

## PROPOSED CAPITAL IMPROVEMENT PROGRAM

BUDGET	2018 - 2019
PLAN	2018 - 2023

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**MEMORANDUM**

**TO: Ramsey County Board of Commissioners**

**FROM: Julie Kleinschmidt, County Manager** *JK*

**DATE: August 8, 2017**

**SUBJECT: 2018-2019 Capital Improvement Program (CIP) Budget and  
2018-2023 Capital Improvement Program Plan Recommendations**

Recommendations for the 2018-2019 Capital Improvement Program (CIP) Budget and 2018-2023 Capital Improvement Program Plan have been completed and are presented in this book for your review.

The 2018-2019 Capital Improvement Program (CIP) Budget and 2018-2023 Capital Improvement Program Plan is presented at the same time as the Operating Budget. This is done to emphasize the importance of long-range capital planning as a necessary adjunct to the annual operating budget. The operating budget provides for the funding mechanisms, while the Capital Improvement Program Plan document provides the detailed background and analysis for the proposed capital expenditures.

## **MISSION STATEMENT**

Ramsey County's mission is to enhance the quality of life for its citizens by providing progressive and innovative leadership that addresses Federal and State directives and changing community needs by delivering services in a responsive, professional, and cost-effective manner.

One of the guiding principles critical to the success of the County's mission is: "The County strives to maximize the return on its human, physical, and fiscal resources in providing quality services to the public." The recommendations contained herein are consistent with this principle in that they:

1. Assist departments in providing a quality work environment for employees and clients.
2. Assist departments in preserving and maintaining the County's investment in buildings, land, infrastructure, and equipment.
3. Are based on a prioritized ranking system including the effective utilization of available outside funding sources (Federal, State, Other) in addition to appropriate County funding levels.

## **GOALS AND STRATEGIES**

Following are the goals and strategies used in forming recommendations:

- A. To establish long-range (10 years) projected financing levels for regular capital projects and major building projects.
- B. To continue funding for an Equipment Replacement Schedule (primarily for mobile/motorized equipment) using Capital Improvement and Equipment Replacement Levy (pay-as-you-go) as a financing method.
- C. To continue funding scheduled building improvements in County-owned buildings operated as Internal Services Funds, through dedicated rental revenues.
- D. To establish and finance a Comprehensive Capital Asset Management and Preservation Plan as one of the County Board's priority goals set in 2005.
- E. To establish responsible debt issuance levels, and compare them to certain debt indicator benchmarks.
- F. To provide for needed capital repairs to County buildings, lands, and infrastructure to extend useful lives.
- G. To provide for new capital investment to replace poorly functioning or non-functioning assets.
- H. To maximize the use of Federal, State, and other non-County financing sources

## **PROPOSED BUDGET**

### **MAJOR PROJECTS**

#### **A. Juvenile Institutions**

This project is for funding the pre-design process for determining the appropriate size and location of a correctional residential treatment facility for youth involved in the justice system. Funding for this project is proposed to be financed with \$500,000 of County Bonds in 2018 and \$500,000 of County Bonds in 2019.

#### **B. Juvenile & Family Justice Center Building Expansion**

This project is for funding the planning and design of the Juvenile & Family Justice Center Building in conjunction with the County's Strategic Facility plan. Funding for this project is proposed to be financed with \$200,000 of County Bonds in 2018.

#### **C. Education and Collections Preservation Facility**

This project is for funding the architectural and engineering costs for the construction of a new facility at the Ramsey County Historical Society Gibbs Farm location. The new facility will provide severe weather shelter, space for growing youth education programs, address inadequate restroom facilities, and create a safe linkage for sit visitors to the Bell Museum. A financing plan incorporating non-County funding will be developed by the Ramsey County Historical Society. Funding for this project is proposed to be financed with \$132,000 of County Bonds in 2018.

#### **D. Aldrich Arena Bituminous & Fire Protection**

This project is for repaving parking lots, installing a new fire suppression system required by the City of Maplewood inside Aldrich Arena and trenching a new watermain to the building's mechanical room for the new fire suppression system. Trees will also be planted to provide some screening, beautification and shade for the parking lot and site. The total project cost is estimated to be \$1,954,200 with County funding proposed to be financed with \$1,454,200 of County Bonds in 2018.

#### **E. Arena Regulatory Compliance**

This project consists of capital life-cycle replacements such as roofing systems and masonry wall systems, infrastructure for new refrigerant systems required due to environmental regulations, and Americans with Disabilities Act required modifications to Shoreview, White Bear Lake, and Aldrich ice arenas. The total project cost is estimated to be \$3,854,450. County funding is proposed to be financed with \$1,516,000 of County Bonds in 2018 and with \$1,738,450 of County Bonds in 2019.

#### **F. Green Ice Initiative**

This project is for implementation of improved building management systems, LED lighting retrofits, and other energy-efficiency projects at the Shoreview, White Bear Lake, and Aldrich Arenas. Funding for this project is proposed to be financed with \$385,000 of County Bonds in 2018 and with \$650,000 of County Bonds in 2019.

**G. Parks & Recreation Bituminous Pavement Maintenance**

This project is for the ongoing need of bituminous repair and replacement at County Parks, Golf Courses, and Arenas. There are 40 acres of parking lots, four miles of county park trails and 5 miles of golf cart paths needing repair or replacements, based on a replacement schedule. Funding for this project is proposed to be financed with \$1,396,485 of County Bonds in 2019.

**H. Law Enforcement Center Security Access System**

This project is to replace the building access system at the Law Enforcement Center (LEC). The current system supports 24/7 operations of the 500-bed jail, including opening and locking doors and jail cells. The current system has reached its useful life. Funding for this project is proposed to be financed with \$2,400,000 of County Bonds in 2018.

**I. Radios Replacement**

This project is to replace the 800 MHz radios used by deputies across the County. The radios provide a critical communications link between all public safety agencies, including the Emergency Communications Center and the community. Funding for this project is proposed to be financed with \$700,000 of County Bonds in 2018 and with \$700,000 of County Bonds in 2019.

**REGULAR PROJECTS**

Regular projects proposed for funding in the 2018-2019 Capital Improvement Plan Budget address the needs for maintaining capital facilities and infrastructure. The various renovations, repairs, and replacements recommended will allow the County to maintain and improve services currently provided. Funding in the amount of \$3,800,000 in 2018 and \$4,000,000 in 2019 will be available from the sale of bonds.

Regular projects include capital items between \$50,000 and \$1,000,000 such as land, buildings, building improvements, and new equipment purchases. These requests are related to new/improved technology, expansion of programs, or the repair/replacement of assets used in a current program.

## **CAPITAL IMPROVEMENT & EQUIPMENT REPLACEMENT LEVY**

### **Building Improvements/Repairs**

Funding of \$1,100,000 in 2018 and \$1,100,000 in 2019 is proposed for Building Improvements/Repairs. This funding is for buildings and grounds which are not currently recorded in separate Internal Service Funds. The County Board set a goal to finance predictable life cycle maintenance of buildings and grounds currently in the County's General Fixed Assets.

### **BUILDING IMPROVEMENTS/MAINTENANCE**

In 1996, the Capital Improvement Program (Citizens) Advisory Committee (CIPAC) recommended, and the County Board approved, the use of dedicated rental revenues in the RCGC-East and RCGC-West buildings' operating budgets to fund a plan of building improvements/maintenance. In the 2001 budget, the County Board approved the use of dedicated rental revenues in the Juvenile and Family Justice Center to finance a 5-Year plan for the first time. Beginning with their opening, the Law Enforcement Center, the Public Works Facility, the Sheriff Patrol Station and the Suburban Court Facility are also using this same funding method. The County Board also approved the use of dedicated rental revenues for the Courthouse/City Hall, the Libraries, the 911 Dispatch Center, the 90 West Plato Boulevard location, the Metro Square building, the 402 University Avenue building, the 5 South Owasso Boulevard location, the Correctional Facility (Workhouse), the Medical Examiner building, and the 555 Cedar building.

Continued funding in this manner for the building improvements/maintenance is proposed, as Other County Funds.



2018-2019 CIP FINANCING SOURCES

	<u>2018</u>	<u>2019</u>
<u>Bonds</u>		
Major Projects	\$ 7,287,200	\$4,984,935
Bond Issuance Costs	112,800	115,065
Regular Projects	3,625,138	3,791,523
Bond Issuance Costs	<u>174,862</u>	<u>208,477</u>
Total Bonds	11,200,000	9,100,000
<u>Capital Improvement Levy</u>		
Building Improvements/Repairs	<u>1,100,000</u>	<u>1,100,000</u>
Total Levy	1,100,000	1,100,000
<u>Other Funding Sources</u>		
Federal Funds	8,229,000	7,943,000
State Funds	14,175,500	12,429,800
Municipal/Other Funds	21,484,820	26,260,090
Emergency Communications	97,300	97,300
Other County Funds	<u>8,061,367</u>	<u>6,795,717</u>
Total Other	<u>52,047,987</u>	<u>53,525,907</u>
TOTAL PROPOSED CIP FINANCING	<u>\$64,347,987</u>	<u>\$63,725,907</u>

The Debt Service levy and Capital Improvement levy amounts necessary to finance these approved funding levels are included in the 2018-2019 Proposed Operating Budget.

**IMPACT ON OPERATING BUDGET**

Ramsey County has worked to stabilize the County's debt service levy and maintain it at a consistent level. The proposed budget supports this goal and allows the County Board to continue reviewing and prioritizing current and future capital improvement demands. Requests for Board Action (RBA), approving major capital improvement projects will include authorization to establish specific capital project budgets.

## **MAJOR PROJECTS**

### **A. Juvenile Institutions**

There is no impact on the 2018 and 2019 operating budgets as the project is for the pre-design process for determining the appropriate size and location of a correctional residential treatment facility for youth involved in the justice system.

### **B. Juvenile & Family Justice Center Building Expansion**

There is no impact on the 2018 and 2019 operating budgets as the project is for the planning and design of the Juvenile & family Justice Center building in conjunction with the County's Strategic Facility plan.

### **C. Education and Collections Preservation Facility**

There is no impact on Ramsey County's operating budgets, as the Gibbs Farm is operated by the Ramsey County Historical Society.

### **D. Aldrich Arena Bituminous & Fire Protection**

There will be no impact on the annual operating maintenance costs beyond general maintenance.

### **F. Arena Regulatory Compliance**

It is not expected that there will be any additional costs to the Parks & Recreation's operating budget for 2018 or 2019.

### **G. Green Ice Initiative**

It is estimated that operating costs such as maintenance and energy costs, will be reduced by \$64,000 per year during the 40 year life-cycle.

### **H. Parks & Recreation Bituminous Pavement Maintenance**

There is no direct impact on the 2018 and 2019 operating budgets as completing regular pavement maintenance will extend the life cycle of the pavement.

### **I. Law Enforcement Center Security Access System**

There may be potential savings in staff time achieved by having a more user-friendly security system and reduced litigation risk to the county by ensuring the jail remains secure.

### **J. Radios Replacement**

The impact on the 2018 and 2019 operating budget is unknown, but the repair costs for radios will be decreased as replacement radios are implemented.

## **REGULAR PROJECTS**

Most of the CIP Regular Projects proposed for financing are repair/replacement and maintenance projects. These projects should help improve operating efficiencies and offset increased costs for operations and repairs.

## **CAPITAL IMPROVEMENT LEVY**

### **Building Improvements/Repairs**

The County Board approved the Capital Improvement Program Citizens' Advisory Committee (CIPAC) recommendation to eliminate the separate Comprehensive Capital Asset Management and Preservation Plan (CCAMPP) prioritization process and to expand the use of Internal Services Funds for all facilities not currently in separate Internal Service funds. Staff will continue to work on an inventory of the County's capital assets that have predictable, planned life-cycle costs, and to create the appropriate maintenance schedules.

### **BUILDING IMPROVEMENTS/MAINTENANCE**

Providing funds for building improvements through dedicated rental revenues annually will enable capital improvements to be scheduled as needed, over time, rather than waiting for an emergency situation which will cost more to correct. Completion of scheduled building maintenance improvements will extend the lives of the buildings.

## DEBT STRATEGY

Effective November 6, 1992, Ramsey County became a Home Rule Charter County, the first in the State of Minnesota. Most debt and building fund levy limits and other restrictions established under previous Capital Improvement Program State Statutes no longer apply, giving Ramsey County the opportunity, and the responsibility, to establish realistic and affordable Capital Improvement levies for debt service and the Capital Improvement levy (pay-as-you-go).

**Legal Debt Limit** - Minnesota governmental entities are subject to Minnesota Statutes, Section 475.53, Subd. 1. which establishes a legal limit on the amount of debt that can be incurred by any such entity. The statutory debt limit is 3% of the Estimated Market Value of all taxable property in the County. The computation of Ramsey County's legal debt limit as of December 31, 2016 was 3% of \$43,807,052,300 or \$1,314,211,569. Ramsey County's debt subject to this limit was \$155,035,718, leaving a Legal Debt Margin of \$1,159,175,851.

**Debt Service as a Percentage of Expenditures** - Per County policy, Ramsey County also monitors its debt affordability measurement *Debt Services as a Percentage of Expenditures*. This ratio measures the annual fixed-cost burden that debt place on the County budget. Ramsey County received a Very Strong score for this measurement for the County's most recent bond rating. To be considered 'Very Strong', the highest classification, the measurement should be less than 8%. County policy also state that this ratio should not rise above 8%. Standard & Poor's (S&P) measured this ratio at 5.1% in 2016. Ramsey County measurement for 2017 is 4.83%. County projections for 2018 and 2019 are 4.11% and 4.13%.

### Other County Debt Indicators

In addition to complying with the statutory and policy measurements mentioned above, the County also monitors its debt with measurements used by both Standard and Poor's (S&P) and Moody's rating agencies.

### **Net Debt as a Percentage of Operating Revenues (S&P and Moody's) – 'Strong'**

Ramsey County received a 'Strong' score from both S&P and Moody's for this measurement for the most recent bond rating. This ratio measures the total debt burden on the County's revenue position and can show the potential budgetary impact of future debt service. Ramsey County's measurement by S&P was 35.1% and by Moody's was 44%.

	<u>Very Strong</u>	<u>Strong</u>
Standard and Poor's	<30%	30 - 60%
Moody's	<33%	33 - 67%

### **Neb Debt to Taxable Value (Moody's) – 'Very Strong'**

Ramsey County received a 'Very Strong' score for this measurement for the most recent bond rating. This ratio measure how onerous future debt service payments could be to the tax base and the capacity available to generate additional revenues from the tax base to pay debt service. To be considered 'Very Strong', the highest classification, the measurement should be less than .75%. Ramsey County's measurement was .49%.

**Joint Property Tax Advisory Committee (JPTAC)**

Ramsey County also participates in a cross-jurisdictional effort to coordinate and monitor the impact of debt on taxpayers in the City of St. Paul. Elected officials and executive staff representing Ramsey County, the City of St. Paul, Independent School District 625, and the St. Paul Port Authority meet regularly as the Joint Property Tax Advisory Committee (JPTAC). The JPTAC initiates cooperative efforts to jointly plan for meeting the capital needs of each jurisdiction, coordinate general obligation financing of the areas capital needs, keep financings within agreed upon debt level targets, and monitor associated impacts on property taxes in the City of St. Paul.

The JPTAC publishes a report bi-annually and adopts target ranges for certain debt position and ability to pay indicators as benchmarks for the jurisdictions. Many of the measurements which are used, focus on the debt service levied and its effect on City taxpayers. The benchmarks have been met consistently since 1977.

## **POTENTIAL FUTURE MAJOR CAPITAL PROJECTS**

Potential future Major Capital Improvement Projects that have been discussed by the County Board include:

- Riverfront Development
- Rice Creek Commons Development
- Solar Gardens
- Strategic Facilities Plan Building Program outcome
- Golf Course Study outcome

## **CIP PROJECT REQUESTS**

CIP projects are currently divided into three categories: 1) Regular Projects, 2) Major Projects, and 3) Building Improvements. Major Projects and Building Improvements are separated from what are generally considered the “regular” capital maintenance projects for discussion and recommendation purposes.

Departments and agencies submitted 14 Major Project requests, 38 Regular Project requests, and 10 Building Improvement requests covering the six-year period of 2018-2023. A working document was created to assist members of the Capital Improvement Program (Citizen) Advisory Committee (CIPAC) and County staff in reviewing the project requests. County department/agency heads and staff made oral presentations and answered questions about their project requests to these raters on March 16, 2017.

## **COUNTY MANAGER RATING SYSTEM**

The County Manager Rating System is based on criteria identified by the County Board and are grouped in two categories: Service Based Criteria and Capital Based Criteria. This grouping reinforces the fact that a capital project has two aspects:

1. It is intended to provide a service, not to exist on its own, and
2. Capital improvement projects are complex activities that need to be developed and implemented well; and once a capital project is completed, it becomes a part of the County's asset base and should be maintained well.

Eight staff members from various Ramsey County departments were selected to review and rank 18 Regular CIP projects. Twenty Regular CIP projects which did not request bond funding in 2018 or 2019 were not ranked. Requests for staff are made to different County Departments every other year, supporting equitability and variety in opinions. These eight people rated the CIP project requests using a rating system that was established in 1987, and updated in 2000, in order to more clearly distinguish "good" projects. This rating system is based on the criteria outlined in County Board Resolution 87-089 (February 9, 1987).

For the 2018-2023 Capital Improvement Program Plan, each project could receive a point value ranging from 0 to 4 for each of 7 rating criteria. Each of the rating criteria has a weighting percentage assigned to it in the order of its importance. The weighting percentage was multiplied by the point value for each of the criteria to determine the actual rating points for each of the criteria for each project.

The criteria and weighting percentages in order of priority are:

<u>Percentage</u>	<u>Weighting</u>	<u>Max. Points</u>	<u>Max. Score</u>
1. Protect Life/Public Safety/Public Health	25%	4.0	1.00
2. Replace Facility/Maintain Facility	22%	4.0	.88
3. Protect Property	15%	4.0	.60
4. Reduce Operating Costs	15%	4.0	.60
5. Provide Public Service	10%	4.0	.40
6. Provide Public Convenience	7%	4.0	.28
7. Enhance County Image	<u>6%</u>	4.0	<u>.24</u>
	100%		4.00

Each of the eight staff raters was able to assign a maximum of 4 points to a project, giving each project the possibility of being awarded a maximum of 32 points. Total points actually awarded ranged from 12.92 to 26.12.

## **CIPAC RATING SYSTEM**

The Capital Improvement Program (Citizen) Advisory Committee (CIPAC) rated 18 CIP projects concurrent with, but independent from, the County staff. The County Board established the CIPAC in order to obtain input from the citizens of Ramsey County.

Each member of the CIPAC independently rated these projects in groups of eight, a rating system developed for the 1989 CIP, and used consistently since then. Projects in each group then received the following number of points.

<u>Rating Group</u>		<u>Points</u>
First group of	3	6
Second group of	3	5
Third group of	3	4
Fourth group of	3	3
Fifth group of	3	2
Sixth group of	<u>3</u>	1
Total	18	

Points from each member of the CIPAC were tabulated by project and the projects placed in priority order. The maximum number of points assignable to each project by the CIPAC was 72 (12 members of the committee ranked projects for 2018-2019). Total points ranged from 20 to 67.

## **COMBINED RANK**

The Capital Improvement Program Advisory Committee and I agreed upon a statistically valid method of combining the two ratings. The Combined Rank then was used to set overall Regular CIP project request priorities for the Capital Improvement Program 6-Year Plan, 2018 – 2023.



## CONCLUSION

I am again very pleased with the methodology, outcomes, and recommendations obtained through the Capital Improvement Program planning process. The research, analysis, and updating of debt and debt service projections and comparisons with industry benchmarks serves as a guide for future capital plans, and outlines our commitment to long-range planning for capital needs. Objective priority setting allows me to support the projects recommended for funding. The continuation of a funded Equipment Replacement Schedule for mobile/motorized equipment is essential to the continued effective and efficient operation of County departments. Funding for Building Improvements (formerly Comprehensive Capital Assets Management and Preservation Plan) continues the ongoing financing of predictable fixed asset life-cycle maintenance costs. Realistic financing levels and methods help analyze needs and not overburden County taxpayers while restoring our capital infrastructure to a sound level. The Capital Improvement Program Advisory Committee continues the process of reviewing regular capital projects on an ongoing basis.

I would like to take this opportunity to thank all of those who have contributed to this process. I thank the Capital Improvement Program Advisory Committee for their comments and recommendations, and the County departments for their planning and input.

I would also like to thank the staff of the County Manager's Department, Property Management Department, and the Finance Department for their efforts.

### Capital Improvement Program Advisory Committee (as of June 30, 2017):

Gary Bank	District II	(Mary Jo McGuire)
Triesta Brown	District IV	(Toni Carter)
Quinn Doheny	District IV	(Toni Carter)
Sue Hauwiler	District VI	(Jim McDonough)
Bonnie Jackelen	District I	(Blake Huffman)
Joe Kolar	District V	(Rafael Ortega)
Dennis Larson	District VII	(Victoria Reinhardt)
Greg Lauer	District III	(Janice Rettman)
Shaun McClary	District III	(Janice Rettman)
James Miller	District V	(Rafael Ortega)
Dan Parker	District II	(Mary Jo McGuire)
Lawrence Sagstetter	District VI	(Jim McDonough)
Gary Unger	District VII	(Victoria Reinhardt)
Vacant	District I	(Blake Huffman)

**TO:** Ramsey County Board of Commissioners

**FROM:** James Miller, Chair - Ramsey County Capital Improvement Program Citizens' Advisory Committee

**DATE:** July 14, 2017

**SUBJECT:** Evaluation and Recommendations of Capital Projects for 2018 and 2019

The Ramsey County Capital Improvement Program Advisory Citizens' Committee (CIPAC) is pleased to present its recommendation of the 2018 and 2019 proposed capital improvement projects for review by the Ramsey County Board of Commissioners. The combined rankings of the capital projects requested by Ramsey County departments and agencies are included for your consideration.

The members of CIPAC represent the interests of Ramsey County and are dedicated to building better communities in our county. CIPAC is a group of volunteers who devote their time, talents and energy to review capital project requests in order to provide you, the Board, a vehicle for citizen input on a variety of projects in the county.

The following are recommendations by CIPAC:

CIPAC recommends the following projects, totaling \$3,900,000 which includes \$3,800,000 bonding, be funded in 2018:

- a. Combined Rank #1, Parks & Recreation, ADA Implementation at Co. Facilities - \$100,000;
- b. Combined Rank #2, Sheriff, Safety & Security Enhancements-Adult Detention Center - \$160,000;
- c. Combined Rank #3, Historical Society, National Register & Education Asset Preservation - \$111,279;
- d. Combined Rank #4, Landmark Center, North Tower Masonry Repair - \$210,000;
- e. Combined Rank #5, Public Works, Pavement Preservation - \$2,000,000;
- f. Combined Rank #6, Medical Examiner, X-Ray Machine - \$349,000;
- g. Combined Rank #7, Medical Examiner, Storage System & Equipment - \$56,758;
- h. Combined Rank #8, Parks & Recreation, Natural Resource Habitat Restoration - \$100,000;
- i. Combined Rank #9, Parks & Recreation, Island Lake County Park Channel Bridge - \$248,000;
- j. Combined Rank #10, Public Works, Facility Space Planning - \$100,000;
- k. Combined Rank #11, Library, Furniture Re-upholstery & Replacement – funded by Library CIP Contingent account;

- l. Combined Rank #12, Medical Examiner, Cart Replacements - \$90,101;
- m. Combined Rank #13, Beaver Lake County Park Master Plan - \$100,000;
- n. Not Rated, County Manager, Bond Issuance Costs - \$174,862.

CIPAC recommends the following projects, totaling \$4,100,000 which includes \$4,000,000 bonding, be funded in 2019:

- a. Combined Rank #1, Parks & Recreation, ADA Implementation at Co. Facilities - \$100,000
- b. Combined Rank #2, Sheriff, Safety & Security Enhancements-Adult Detention Center - \$800,000
- c. Combined Rank #5, Public Works, Pavement Preservation - \$2,000,000;
- d. Combined Rank #7, Landmark Center, North Tower Masonry Repair - \$210,000;
- e. Combined Rank #8, Parks & Recreation, Natural Resource Habitat Restoration - \$100,000;
- f. Combined Rank #11, Library, Furniture Re-upholstery & Replacement - funded by Library CIP Contingent account ;
- g. Combined Rank #15, Parks & Recreation, Vadnais Sports Center Parking Lot - \$581,523;
- h. Not Rated, County Manager, Bond Issuance Costs - \$208,477.

We extend our thanks and appreciations to Ramsey County staff, who work hard for the benefit of citizens of the County.

Thank you for the opportunity to present recommendations for the 2018 and 2019 Capital Improvement Projects for Ramsey County.

## CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS in Progress Report (as of 6/30/17)

CIP YEAR	DEPARTMENT	PROJECT TITLE/BUDGET CODES	FUNDING SOURCES			TOTAL BUDGET	(Unexpended)	TOTAL EXPENDED 06/30/17	REMAINING FUNDING AVAILABLE 06/30/17				
			BONDS	+	LEVY		+			OTHER	=	TOTAL Encumbered 06/30/17	=
	COMM. HUMAN SER	<u>402 UNIVERSITY AVENUE EMERGENCY POWER</u>											
2014		<u>17134-350180-P032194</u> 2014 project	<u>267,000.00</u>		<u>0.00</u>	<u>0.00</u>	<u>267,000.00</u>	<u>0.00</u>	<u>207,902.43</u> 59,097.57				
	CO. MANAGER	<u>Twin Cities Army Ammunition Plant (TCAAP) Development</u>											
2011		<u>17301-210180-P031100</u>	0.00		652,337.62	0.00	652,337.62	0.00	0.00				
2013		<u>17301-210180-P031100</u>	0.00		125,974.42	0.00	125,974.42	0.00	18,000.00				
2014		<u>17301-210180-P031100</u>	0.00		173,025.11	0.00	173,025.11	0.00	0.00				
2015		<u>17301-210180-P031100</u>	0.00		246,083.45	0.00	246,083.45	0.00	0.00				
2016		<u>17301-210180-P031100</u>	0.00		205,080.00	60,000.00	265,080.00	0.00	60,000.00				
2017		<u>17301-210180-P031100</u> The project is in progress.	<u>0.00</u>		<u>250,321.40</u>	<u>0.00</u>	<u>250,321.40</u>	<u>60,050.00</u>	<u>117,332.42</u> 150,938.98				
	CO. MANAGER	<u>(TCAAP) Land Purchase &amp; Remediation</u>											
2011		<u>17301-210180-P031101</u>	0.00		595,087.50	0.00	595,087.50	0.00	0.00				
2012		<u>17301-210180-P031101</u>	0.00		8,000,000.00	0.00	8,000,000.00	0.00	0.00				
2013		<u>17133-210180-P031101</u>	12,000,000.00		0.00	0.00	12,000,000.00	0.00	0.00				
2014		<u>17134-210180-P031101</u> The project is in progress.	<u>9,404,912.50</u>		<u>0.00</u>	<u>0.00</u>	<u>9,404,912.50</u>	<u>3,667,965.09</u>	<u>4,508,282.72</u> 1,228,664.69				
	CO. MANAGER	<u>Twin Cities Army Ammunition Plant (TCAAP) Pre-Development</u>											
2013		<u>17301-210180-P031103</u>	0.00		1,700,000.00	0.00	1,700,000.00	23,238.83	1,658,761.17				
2013		<u>17133-210180-P031103</u>	2,000,000.00		0.00	0.00	2,000,000.00	1,325,832.17	618,112.83				
2015		<u>17301-210180-P031103</u> The project is in progress.	<u>0.00</u>		<u>3,539,111.80</u>	<u>0.00</u>	<u>3,539,111.80</u>	<u>7,894.81</u>	<u>3,530,093.12</u> 1,123.87				
	CO. MANAGER	<u>Solar Facility Primer Tracer Area Evironmental Study</u>											
2015		<u>17301-210180-P031105</u> The project is in progress.	<u>0.00</u>		<u>15,000.00</u>	<u>0.00</u>	<u>15,000.00</u>	<u>0.00</u>	<u>9,666.91</u> 5,333.09				
	CORRECTIONS	<u>CORRECTIONAL FACILITY SECURITY GLASS</u>											
2012		<u>17132-500180-P032186</u> 2012 project is in progress.	<u>51,722.00</u>		<u>0.00</u>	<u>0.00</u>	<u>51,722.00</u>	<u>0.00</u>	<u>11,745.92</u> 39,976.08				
	CORRECTIONS	<u>BOYS TOTEM TOWN</u>											
2012		<u>17132-350180-P032144</u>	500,000.00		0.00	0.00	500,000.00	0.00	159,304.28				
2013		<u>17133-350180-P032144</u>	3,000,000.00		0.00	0.00	3,000,000.00	0.00	0.00				
2015		<u>17135-350180-P032144</u> The scope of the project is to be determined.	<u>0.00</u>		<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u> 3,340,695.72				

**CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS in Progress Report (as of 6/30/17)**

CIP YEAR	DEPARTMENT	PROJECT TITLE/BUDGET CODES	FUNDING SOURCES			TOTAL BUDGET	(Unexpended)	TOTAL EXPENDED	REMAINING FUNDING AVAILABLE
			BONDS	+	LEVY		+		
	CORRECTIONS	<u>BOYS TOTEM TOWN SECURITY CAMERA SYSTEM</u>							
2016		<u>17125-500680-P032231</u>	164,663.10		0.00	0.00	164,663.10	164,663.10	0.00
2016		<u>17134-500680-P032231</u>	19,954.84		0.00	0.00	19,954.84	7,728.76	12,226.08
2016		<u>17301-500680-P032231</u>	<u>33,382.06</u>		<u>0.00</u>	<u>0.00</u>	<u>33,382.06</u>	<u>33,382.06</u>	<u>0.00</u>
		Project approved on 1/26/2016.	218,000.00		0.00	0.00	218,000.00	205,773.92	12,226.08
	CORRECTIONS	<u>JDC CAMERAS &amp; VIDEO RECORDING EQUIPMENT</u>							
2016		<u>17136-500780-P032221</u>	<u>60,000.00</u>		<u>0.00</u>	<u>0.00</u>	<u>60,000.00</u>	<u>60,000.00</u>	<u>0.00</u>
		2016 project	60,000.00		0.00	0.00	60,000.00	60,000.00	0.00
	CORRECTIONS	<u>CORRECTIONAL FACILITY COOLER/FREEZER</u>							
2016		<u>17136-500180-P032222</u>	<u>225,000.00</u>		<u>0.00</u>	<u>0.00</u>	<u>225,000.00</u>	<u>225,000.00</u>	<u>0.00</u>
		2016 project	225,000.00		0.00	0.00	225,000.00	225,000.00	0.00
	EMERGENCY	<u>COMPUTER AIDED DISPATCH SYSTEM</u>							
2013	COMMUNICATIONS	<u>17133-490180-P032193</u>	5,000,000.00		0.00	0.00	5,000,000.00	0.00	5,000,000.00
2012		<u>17124-210180-P032193</u>	200,000.00		0.00	0.00	200,000.00	0.00	200,000.00
2012		<u>14001-490180-P032193</u>	<u>0.00</u>		<u>0.00</u>	<u>3,326,600.00</u>	<u>3,326,600.00</u>	<u>0.00</u>	<u>2,835,835.17</u>
2013		<u>14001-490180-P032193</u>	<u>0.00</u>		<u>0.00</u>	<u>750,000.00</u>	<u>750,000.00</u>	<u>0.00</u>	<u>605,699.91</u>
		Project approved on 11/06/2012.	5,200,000.00		0.00	4,076,600.00	9,276,600.00	0.00	8,641,535.08
	EMERGENCY	<u>COMUTER AIDED DISPATCH REPLACEMENT</u>							
2016	COMMUNICATIONS	<u>14001-490180-P032234</u>	0.00		0.00	800,000.00	800,000.00	0.00	0.00
2017	COMMUNICATIONS	<u>14001-490180-P032234</u>	<u>0.00</u>		<u>0.00</u>	<u>800,000.00</u>	<u>800,000.00</u>	<u>0.00</u>	<u>0.00</u>
		Set aside for future project.	0.00		0.00	1,600,000.00	1,600,000.00	0.00	0.00
	EMERGENCY	<u>CALL LOGGING SYSTEM</u>							
2014	COMMUNICATIONS	<u>14001-490180-P032209</u>	<u>0.00</u>		<u>0.00</u>	<u>400,000.00</u>	<u>400,000.00</u>	<u>0.00</u>	<u>292,725.00</u>
		2014 project	0.00		0.00	400,000.00	400,000.00	0.00	292,725.00
	EMERGENCY	<u>DISPATCH CENTER UPS</u>							
2017	COMMUNICATIONS	<u>14001-490180-P032228</u>	<u>0.00</u>		<u>0.00</u>	<u>200,000.00</u>	<u>200,000.00</u>	<u>0.00</u>	<u>0.00</u>
		2017 project	0.00		0.00	200,000.00	200,000.00	0.00	0.00
	EMERGENCY	<u>MONITORS/VIDEO EQUIPMENT</u>							
2014	COMMUNICATIONS	<u>14001-490180-P032210</u>	<u>0.00</u>		<u>0.00</u>	<u>75,000.00</u>	<u>75,000.00</u>	<u>0.00</u>	<u>38,408.45</u>
		2014 project	0.00		0.00	75,000.00	75,000.00	0.00	38,408.45
	EMERGENCY	<u>9-1-1 PHONE SYSTEM</u>							
2014	COMMUNICATIONS	<u>14001-490180-P032211</u>	<u>0.00</u>		<u>0.00</u>	<u>1,200,000.00</u>	<u>1,200,000.00</u>	<u>0.00</u>	<u>1,027,940.38</u>
		2014 project	0.00		0.00	1,200,000.00	1,200,000.00	0.00	1,027,940.38

## CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS in Progress Report (as of 6/30/17)

CIP YEAR	DEPARTMENT	PROJECT TITLE/BUDGET CODES	FUNDING SOURCES			TOTAL BUDGET	(Unexpended)	TOTAL	TOTAL	REMAINING				
			BONDS	+	LEVY		+	OTHER	=	Encumbered	EXPENDED	FUNDING		
							-	06/30/17	-	06/30/17	=	06/30/17		
2014	EMERGENCY COMMUNICATIONS	<u>800 MHz CONSOLE REPLACEMENT</u> 14001-490180-P032212 2014 and 2016 project	0.00		0.00	1,500,000.00		1,500,000.00		88,751.64		1,090,856.36		320,392.00
2016	EMERGENCY COMMUNICATIONS	<u>800 MHz RADIO BASE STATION</u> 14001-490180-P032227	0.00		0.00	434,717.00		434,717.00		0.00		0.00		434,717.00
2017	COMMUNICATIONS	<u>14001-490180-P032227</u> Set aside for future project.	0.00		0.00	434,717.00		434,717.00		0.00		0.00		434,717.00
2015	EMERGENCY COMMUNICATIONS	<u>BUILDING SECURITY SYSTEM</u> 14001-490180-P032214 2015 project	0.00		0.00	75,000.00		75,000.00		0.00		0.00		75,000.00
2015	EXTENSION/ PROP. MGMT.	<u>COUNTY BARN FIRE PREVENTION ADDITIONS</u> 17135-350180-P032204 2015 project	200,000.00		0.00	0.00		200,000.00		0.00		0.00		200,000.00
2015	FAMILY SERV CTR/ PROP. MGMT.	<u>FAMILY SERVICE CENTER BUILDING SYSTEMS MAINTENANCE</u> 17135-350180-P032205 2015 project	98,000.00		0.00	0.00		98,000.00		0.00		0.00		98,000.00
2017	FINANCE	<u>FINANCE MOVE TO METRO SQUARE &amp; REMODEL</u> 17103-210380-P034016 Project approved on 5/23/2017.	0.00		0.00	892,304.00		892,304.00		0.00		0.00		892,304.00
2012	INFO. SERVICES	<u>INSTITUTIONAL FIBER OPTIC NETWORK</u> 17132-450180-P032191	250,000.00		0.00	0.00		250,000.00		0.00		250,000.00		0.00
2013		<u>17133-450180-P032191</u> The project is in progress with bonds issued in multiple years.	7,000,000.00		0.00	0.00		7,000,000.00		0.00		4,660,426.75		2,339,573.25
2015	LANDMARK	<u>FREIGHT ELEVATOR UPDATE</u> 17135-720180-P032206 2015 and 2016 project	275,000.00		0.00	0.00		275,000.00		0.00		210,887.00		64,113.00
2012	LANDMARK	<u>TOWER ROOF REPLACEMENT &amp; BUILDING TUCK POINTING</u> 17132-350180-P032192	1,350,000.00		0.00	0.00		1,350,000.00		0.00		1,339,994.18		10,005.82
2012		<u>11101-720180-P032192</u>	0.00		0.00	126,625.00		126,625.00		28,415.86		98,209.14		0.00
2013		<u>17133-350180-P032192</u>	1,936,800.00		0.00	0.00		1,936,800.00		0.00		1,930,802.14		5,997.86
2013		<u>17128-350180-P032192</u>	0.00		0.00	37,714.67		37,714.67		9,172.38		28,542.29		0.00
2013		<u>17129-350180-P032192</u> The project is in progress with bonds issued in multiple years.	0.00		0.00	231,085.33		231,085.33		23,958.99		190,451.24		16,675.10
			3,286,800.00		0.00	395,425.00		3,682,225.00		61,547.23		3,587,998.99		32,678.78

## CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS in Progress Report (as of 6/30/17)

CIP YEAR	DEPARTMENT	PROJECT TITLE/BUDGET CODES	FUNDING SOURCES			TOTAL BUDGET	(Unexpended)	TOTAL EXPENDED 06/30/17	REMAINING FUNDING AVAILABLE 06/30/17	
			BONDS	+	LEVY		+			OTHER
2016	LANDMARK	<u>BUILDING ACCESSIBLE ELEVATOR</u> 17136-720180-P032223 2016 project	245,000.00		0.00	0.00	245,000.00	102,927.00	0.00	142,073.00
2017	LANDMARK	<u>FREIGHT ELEVATOR UPDATE</u> 17137-720180-P032229 2017 project	0.00		0.00	120,000.00	120,000.00	0.00	0.00	120,000.00
2016	MEDICAL EXAMINER	<u>MORGUE FREEZER REPLACEMENT &amp; STORAGE RACK SYSTEM</u> 17136-510180-P032224 2016 project	250,000.00		0.00	0.00	250,000.00	246,465.59	3,534.41	0.00
2017	MEDICAL EXAMINER	<u>RENOVATION &amp; EXPANSION</u> 17137-350180-P032235 2017 project	0.00		0.00	2,570,658.00	2,570,658.00	0.00	0.00	2,570,658.00
2014	PARKS & REC.	<u>ALDRICH ARENA ELEVATOR</u> 17301-660280-P032217 Project funding approved by County Board in 2014.	0.00		0.00	250,000.00	250,000.00	2,365.23	151,648.77	95,986.00
2013	PARKS & REC.	<u>BATTLE CREEK WINTER RECREATION</u> 17129-660580-P032208	0.00		0.00	34,731.32	34,731.32	0.00	34,731.32	0.00
2013		17131-660580-P032208	0.00		0.00	8,840.49	8,840.49	0.00	8,840.49	0.00
2013		17301-660580-P032208	0.00		0.00	36,428.19	36,428.19	0.00	35,029.32	1,398.87
2017		17137-660580-P032208 Project approved on 9/17/2013.	0.00		0.00	1,000,000.00	1,000,000.00	0.00	0.00	1,000,000.00
			0.00		0.00	1,080,000.00	1,080,000.00	0.00	78,601.13	1,001,398.87
2010	PARKS & REC.	<u>CAPITAL ASSET MANAGEMENT-ICE ARENAS</u> 17130-660280-P032170	423,005.39		0.00	0.00	423,005.39	0.00	423,005.39	0.00
2011		17131-660280-P032170	494,000.00		0.00	0.00	494,000.00	0.00	494,000.00	0.00
2012		17132-660280-P032170	205,020.37		0.00	88,031.65	293,052.02	0.00	293,052.02	0.00
2013		17133-660280-P032170	124,974.24		0.00	0.00	124,974.24	0.00	121,586.67	3,387.57
2015		17135-660280-P032170	607,000.00		0.00	0.00	607,000.00	0.00	0.00	607,000.00
2015		17135-660280-P032170 The project is in progress with bonds issued in multiple years.	0.00		0.00	819,237.00	819,237.00	0.00	0.00	819,237.00
			1,854,000.00		0.00	907,268.65	2,761,268.65	0.00	1,331,644.08	1,429,624.57
2010	PARKS & REC.	<u>CAPITAL ASSET MANAGEMENT-PARKS</u> 17130-660580-P032168	93,100.00		0.00	0.00	93,100.00	0.00	93,100.00	0.00
2011		17131-660580-P032168	50,000.00		0.00	0.00	50,000.00	0.00	50,000.00	0.00
2012		17132-660580-P032168	112,000.00		0.00	0.00	112,000.00	0.00	112,000.00	0.00
2013		17133-660580-P032168	57,500.00		0.00	0.00	57,500.00	0.00	29,394.12	28,105.88
2015		17135-660580-P032168 The project is in progress with bonds issued in multiple years.	131,500.00		0.00	0.00	131,500.00	0.00	0.00	131,500.00
			444,100.00		0.00	0.00	444,100.00	0.00	284,494.12	159,605.88

**CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS in Progress Report (as of 6/30/17)**

CIP YEAR	DEPARTMENT	PROJECT TITLE/BUDGET CODES	FUNDING SOURCES			TOTAL BUDGET	(Unexpended)	TOTAL EXPENDED	REMAINING FUNDING AVAILABLE	
			BONDS	+	LEVY		+			OTHER
	PARKS & REC.	<u>HARDING, BIFF ADAMS ARENA, WHITE BEAR &amp; ALDRICH ARENAS</u>								
2010		<u>17301-660280-P070064</u>	0.00		0.00	325,000.00	325,000.00	0.00	174,998.97	150,001.03
2012		<u>17301-660280-P070077</u>	0.00		0.00	70,800.00	70,800.00	0.00	38,530.00	32,270.00
2013		<u>17301-660280-P070085</u>	0.00		0.00	65,000.00	65,000.00	0.00	19,928.68	45,071.32
2016		<u>17301-660280-P070098</u>	<u>0.00</u>		<u>0.00</u>	<u>125,000.00</u>	<u>125,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>125,000.00</u>
		<i>This project is funded from various private entity payments.</i>	0.00		0.00	585,800.00	585,800.00	0.00	233,457.65	352,342.35
	PARKS & REC.	<u>HIGHLAND ARENA ELEVATOR</u>								
2014		<u>17301-660280-P032219</u>	<u>0.00</u>		<u>0.00</u>	<u>180,000.00</u>	<u>180,000.00</u>	<u>19,179.02</u>	<u>144,845.61</u>	<u>15,975.37</u>
		<i>Project funding approved by County Board in 2014.</i>	0.00		0.00	180,000.00	180,000.00	19,179.02	144,845.61	15,975.37
	PARKS & REC.	<u>HIGHLAND ARENA SEWER</u>								
2014		<u>17301-660280-P032220</u>	0.00		0.00	20,000.00	20,000.00	0.00	20,000.00	0.00
2015		<u>17124-660280-P032220</u>	0.00		0.00	59,192.39	59,192.39	0.00	59,192.39	0.00
2015		<u>17301-660280-P032220</u>	<u>0.00</u>		<u>0.00</u>	<u>20,807.61</u>	<u>20,807.61</u>	<u>0.00</u>	<u>20,807.61</u>	<u>0.00</u>
		<i>Project funding approved by County Board in 2014.</i>	0.00		0.00	100,000.00	100,000.00	0.00	100,000.00	0.00
	PARKS & REC.	<u>HIGHLAND PARKING LOT &amp; DRAINAGE IMPROVEMENTS</u>								
2016		<u>17136-660280-P032225</u>	<u>890,300.00</u>		<u>0.00</u>	<u>0.00</u>	<u>890,300.00</u>	<u>0.00</u>	<u>76,513.10</u>	<u>813,786.90</u>
		<i>2016 project</i>	890,300.00		0.00	0.00	890,300.00	0.00	76,513.10	813,786.90
	PARKS & REC.	<u>KELLER GOLF COURSE</u>								
2011		<u>17131-660380-P032179</u>	1,000,000.00		0.00	633.45	1,000,633.45	0.00	994,333.45	6,300.00
2012		<u>11101-660380-P032179</u>	0.00		0.00	417,807.00	417,807.00	0.00	416,155.86	1,651.14
2012		<u>17132-660380-P032179</u>	10,613,000.00		0.00	117,058.62	10,730,058.62	0.00	10,715,671.28	14,387.34
2013		<u>17301-660380-P032179</u>	<u>0.00</u>		<u>0.00</u>	<u>140,000.00</u>	<u>140,000.00</u>	<u>0.00</u>	<u>140,000.00</u>	<u>0.00</u>
		<i>The project is in progress with bonds issued in multiple years.</i>	11,613,000.00		0.00	675,499.07	12,288,499.07	0.00	12,266,160.59	22,338.48
	PARKS & REC.	<u>LAKE OWASSO COUNTY PARK REDEVELOPMENT</u>								
2016		<u>17136-660580-P032226</u>	1,415,000.00		0.00	14,825.00	1,429,825.00	36,408.94	87,434.51	1,305,981.55
2017		<u>17136-660580-P032226</u>	<u>0.00</u>		<u>0.00</u>	<u>500,000.00</u>	<u>500,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>500,000.00</u>
		<i>2016 project</i>	1,415,000.00		0.00	514,825.00	1,929,825.00	36,408.94	87,434.51	1,805,981.55



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CIP YEAR	DEPARTMENT	PROJECT TITLE/BUDGET CODES	FUNDING SOURCES			TOTAL BUDGET	(Unexpended) TOTAL Encumbered 06/30/17	TOTAL EXPENDED 06/30/17	REMAINING FUNDING AVAILABLE 06/30/17	
			BONDS	+	LEVY					+
PARKS & REC. <u>MANITOU RIDGE GOLF COURSE MAINTENANCE FACILITY</u>										
2010		<u>17130-660380-P032169</u>	75,000.00		0.00	0.00	75,000.00	0.00	75,000.00	0.00
2012		<u>17123-660380-P032169</u>	40,948.57		0.00	0.00	40,948.57	0.00	40,948.57	0.00
2012		<u>17126-660380-P032169</u>	105,955.85		0.00	0.00	105,955.85	0.00	105,955.85	0.00
2012		<u>17128-660380-P032169</u>	103,095.58		0.00	0.00	103,095.58	0.00	103,095.58	0.00
2013		<u>17133-660380-P032169</u>	850,000.00		0.00	0.00	850,000.00	0.00	850,000.00	0.00
2014		<u>17129-660380-P032169</u>	79,000.00		0.00	0.00	79,000.00	0.00	79,000.00	0.00
2014		<u>17130-660380-P032169</u>	11,994.61		0.00	0.00	11,994.61	0.00	11,994.61	0.00
2014		<u>17132-660380-P032169</u>	46,979.63		0.00	0.00	46,979.63	0.00	46,979.63	0.00
2014		<u>17133-660380-P032169</u>	110,999.76		0.00	0.00	110,999.76	0.00	110,999.76	0.00
2014		<u>17301-660380-P032169</u>	0.00		0.00	50,000.00	50,000.00	0.00	25,901.64	24,098.36
		The project is in progress with bonds issued in multiple years.	1,423,974.00		0.00	50,000.00	1,473,974.00	0.00	1,449,875.64	24,098.36
PARKS & REC. <u>SOCCER FIELD ACQUISITION AND DEVELOPMENT</u>										
2011		<u>17129-660180-P032078</u>	50,000.00		0.00	0.00	50,000.00	0.00	0.00	50,000.00
		Project funding approved by County Board on 1/11/2011.	50,000.00		0.00	0.00	50,000.00	0.00	0.00	50,000.00
PARKS & REC. <u>TURTLE LAKE COUNTY PARK REDEVELOPMENT</u>										
2010		<u>17130-660580-P032171</u>	128,487.00		0.00	0.00	128,487.00	0.00	128,487.00	0.00
2011		<u>17129-660580-P032171</u>	22,459.00		0.00	0.00	22,459.00	0.00	22,459.00	0.00
2011		<u>17131-660580-P032171</u>	799,054.00		0.00	490.00	799,544.00	0.00	795,151.50	4,392.50
		The project is in progress with bonds issued in multiple years.	950,000.00		0.00	490.00	950,490.00	0.00	946,097.50	4,392.50
PARKS & REC. <u>UPPER MAINTENANCE LOT REDEVELOPMENT</u>										
2014		<u>17134-660180-P032196</u>	278,400.00		0.00	7,500.00	285,900.00	0.00	281,435.25	4,464.75
2014		<u>17301-660180-P032196</u>	0.00		0.00	49,388.00	49,388.00	0.00	49,388.00	0.00
		2014 project in progress	278,400.00		0.00	56,888.00	335,288.00	0.00	330,823.25	4,464.75
PROP. MGMT./ INFO SERVICES <u>I.S. OFFICE SPACE PROJECT</u>										
2015		<u>17301-350180-P031104</u>	0.00		0.00	864,850.00	864,850.00	0.00	819,304.97	45,545.03
		2015 project	0.00		0.00	864,850.00	864,850.00	0.00	819,304.97	45,545.03
PROP. MGMT./ LIBRARY <u>LIBRARY CONTINGENT</u>										
2009	LIBRARY	<u>17203-210380-P032059 (Roseville Library construction)</u>	0.00		0.00	0.00	0.00	0.00	0.00	0.00
2011	LIBRARY	<u>17201-210380-P031027 (Arden Hills disposition/sale)</u>	0.00		0.00	0.00	0.00	0.00	0.00	0.00
2011	LIBRARY	<u>17201-210380-P031027 (New Brighton Library)</u>	0.00		0.00	34,620.83	34,620.83	0.00	0.00	34,620.83
2013	LIBRARY	<u>17203-210380-P032215 (Shorview Library Property)</u>	0.00		0.00	0.00	0.00	0.00	0.00	0.00
2014	LIBRARY	<u>17204-210380-P031027 (New Brighton Library)</u>	0.00		0.00	8,400.00	8,400.00	0.00	0.00	8,400.00
2015	LIBRARY	<u>17205-210380-P032059 (Shoreview Library bond issuance)</u>	141,905.94		0.00	0.00	141,905.94	0.00	0.00	141,905.94
2016	LIBRARY	<u>17205-210380-P032059 (Shoreview Library construction)</u>	0.00		0.00	0.00	0.00	0.00	0.00	0.00
		This is the balance from closed out Library projects and can be used for future Library projects/emergencies.	141,905.94		0.00	43,020.83	184,926.77	0.00	0.00	184,926.77

## CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS in Progress Report (as of 6/30/17)

CIP YEAR	DEPARTMENT	PROJECT TITLE/BUDGET CODES	FUNDING SOURCES			TOTAL BUDGET	(Unexpended)	TOTAL EXPENDED	REMAINING FUNDING AVAILABLE
			BONDS	+	LEVY		+		
	PROP. MGMT./	<u>SHOREVIEW LIBRARY PROPERTY</u>							
2013	LIBRARY	<u>17203-350180-P032215</u>	0.00		300,000.00	300,000.00	0.00	237,059.52	62,940.48
2015	LIBRARY	<u>17205-350180-P032215</u>	0.00		0.00	0.00	0.00	0.00	0.00
		Project approved on 12/17/2013.	0.00		300,000.00	300,000.00	0.00	237,059.52	62,940.48
	PROP. MGMT./	<u>SHOREVIEW LIBRARY</u>							
2015	LIBRARY	<u>17205-350180-P032207</u>	15,240,914.00		1,857,727.00	17,098,641.00	1,204,342.03	15,836,847.44	57,451.53
2016	LIBRARY	<u>17205-350180-P032207</u>	0.00		606,500.00	606,500.00	3,157.00	9,723.30	593,619.70
2016	LIBRARY	<u>17205-650180-P032207</u>	0.00		400,000.00	400,000.00	0.00	273,073.56	126,926.44
		2015 project	15,240,914.00		2,864,227.00	18,105,141.00	1,207,499.03	16,119,644.30	777,997.67
	PROP. MGMT./	<u>EXHAUST &amp; MONITORING EQUIPMENT</u>							
2016	PH555 CEDAR	<u>17127-350180-P032232</u>	0.00		25,240.00	25,240.00	0.00	0.00	25,240.00
2016	PH555 CEDAR	<u>17132-350180-P032232</u>	0.00		8,073.43	8,073.43	0.00	0.00	8,073.43
2016	PH555 CEDAR	<u>17301-350180-P032232</u>	0.00		66,686.57	66,686.57	0.00	0.00	66,686.57
		Project funding approved by County Board in 2016.	0.00		100,000.00	100,000.00	0.00	0.00	100,000.00
	PROP. MGMT.	<u>OPERATIONAL ENERGY SAVINGS</u>							
2013		<u>17301-350180-P031102</u>	0.00	322,334.00	0.00	322,334.00	0.00	235,122.98	87,211.02
		Project approved on 12/17/2013.	0.00	322,334.00	0.00	322,334.00	0.00	235,122.98	87,211.02
	PROP. MGMT.	<u>RIVERFRONT DECONSTRUCTION</u>							
2015		<u>17301-350180-P070088</u>	0.00		16,700,000.00	16,700,000.00	5,362,941.73	11,263,084.05	73,974.22
2016		<u>17301-350180-P070088</u>	0.00		300,000.00	300,000.00	0.00	0.00	300,000.00
		2015 project	0.00		17,000,000.00	17,000,000.00	5,362,941.73	11,263,084.05	373,974.22
	PUBLIC HEALTH	<u>555 CEDAR STREET-VARIABLE AIR VOLUME CONTROLS</u>							
2014		<u>17134-580180-P032197</u>	103,393.00		0.00	103,393.00	0.00	0.00	103,393.00
		2014 project	103,393.00		0.00	103,393.00	0.00	0.00	103,393.00
	PUBLIC HEALTH	<u>555 CEDAR STREET-COOLING TOWER UPGRADE</u>							
2014		<u>17134-580180-P032198</u>	144,248.00		0.00	144,248.00	0.00	138,850.98	5,397.02
		2014 project in progress	144,248.00		0.00	144,248.00	0.00	138,850.98	5,397.02
	PUBLIC WORKS	<u>CONCRETE ROAD REHABILITATION</u>							
2013		<u>11101-550480-P061068</u>	0.00		4,000,000.00	4,000,000.00	3,157.62	3,983,933.32	12,909.06
		The project is in progress.	0.00		4,000,000.00	4,000,000.00	3,157.62	3,983,933.32	12,909.06
	PUBLIC WORKS	<u>CONCRETE ROAD REHABILITATION</u>							
2017		<u>17137-550480-P033370</u>	0.00		360,000.00	360,000.00	0.00	0.00	360,000.00
		2017 project	0.00		360,000.00	360,000.00	0.00	0.00	360,000.00

## CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS in Progress Report (as of 6/30/17)

CIP YEAR	DEPARTMENT	PROJECT TITLE/BUDGET CODES	FUNDING SOURCES			TOTAL BUDGET	(Unexpended)	TOTAL EXPENDED 06/30/17	REMAINING FUNDING AVAILABLE 06/30/17	
			BONDS	+	LEVY		+			OTHER
	PUBLIC WORKS	<u>EXTRAORDINARY BRIDGE REPAIRS</u>								
2001		<u>17118-550480-P033014</u>	30,000.00		0.00	0.00	30,000.00	0.00	30,000.00	0.00
2002		<u>17119-550480-P033014</u>	30,000.00		0.00	0.00	30,000.00	0.00	30,000.00	0.00
2007		<u>17127-550480-P033014</u>	60,000.00		0.00	0.00	60,000.00	0.00	60,000.00	0.00
2008		<u>17128-550480-P033014</u>	30,000.00		0.00	0.00	30,000.00	4,361.44	25,638.56	0.00
2009		<u>17129-550480-P033014</u>	30,000.00		0.00	0.00	30,000.00	0.00	30,000.00	0.00
2012		<u>17132-550480-P033014</u>	50,000.00		0.00	0.00	50,000.00	0.00	50,000.00	0.00
2013		<u>17133-550480-P033014</u>	50,000.00		0.00	0.00	50,000.00	0.00	50,000.00	0.00
2014		<u>17134-550480-P033014</u>	50,000.00		0.00	0.00	50,000.00	0.00	50,000.00	0.00
2015		<u>17135-550480-P033014</u>	50,000.00		0.00	0.00	50,000.00	0.00	32,138.00	17,862.00
2016		<u>17136-550480-P033014</u>	50,000.00		0.00	0.00	50,000.00	0.00	0.00	50,000.00
2017		<u>17137-550480-P033014</u>	<u>0.00</u>		<u>0.00</u>	<u>50,000.00</u>	<u>50,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>50,000.00</u>
		A contract for Maryland Avenue bridge repairs is expected to use all remaining project funds in 2013.	430,000.00		0.00	50,000.00	480,000.00	4,361.44	357,776.56	117,862.00
	PUBLIC WORKS	<u>TRAFFIC SIGNAL CONTROLLERS</u>								
2012		<u>17132-550480-P033316</u>	65,000.00		0.00	0.00	65,000.00	0.00	65,000.00	0.00
2013		<u>17133-550480-P033316</u>	65,000.00		0.00	0.00	65,000.00	0.00	65,000.00	0.00
2015		<u>17132-550480-P033316</u>	5,709.50		0.00	0.00	5,709.50	0.00	5,709.50	0.00
2015		<u>17301-550480-P033316</u>	28,520.50		0.00	0.00	28,520.50	0.00	26,237.72	2,282.78
2015		<u>17135-550480-P033316</u>	30,770.00		0.00	0.00	30,770.00	0.00	30,770.00	0.00
2017		<u>17137-550480-P033316</u>	<u>0.00</u>		<u>0.00</u>	<u>130,000.00</u>	<u>130,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>130,000.00</u>
		The project is in progress with bonds issued in multiple years.	195,000.00		0.00	130,000.00	325,000.00	0.00	192,717.22	132,282.78
	PUBLIC WORKS	<u>PAVEMENT RESURFACING / ROAD MAINTENANCE</u>								
2012		<u>17132-550480-P033074</u>	1,000,000.00		0.00	0.00	1,000,000.00	0.00	1,000,000.00	0.00
2013		<u>17133-550480-P033074</u>	2,000,000.00		0.00	0.00	2,000,000.00	0.00	2,000,000.00	0.00
2014		<u>17134-550480-P033074</u>	2,000,000.00		0.00	0.00	2,000,000.00	127,794.90	1,872,205.10	0.00
2015		<u>17135-550480-P033074</u>	2,000,000.00		0.00	0.00	2,000,000.00	0.00	2,000,000.00	0.00
2016		<u>17136-550480-P033074</u>	2,000,000.00		0.00	0.00	2,000,000.00	445,281.49	1,494,927.96	59,790.55
2017		<u>17137-550480-P033074</u>	<u>0.00</u>		<u>0.00</u>	<u>2,000,000.00</u>	<u>2,000,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>2,000,000.00</u>
		The project is in progress with bonds issued in multiple years.	9,000,000.00		0.00	2,000,000.00	11,000,000.00	573,076.39	8,367,133.06	2,059,790.55
	PUBLIC WORKS	<u>NEW EQUIPMENT ACQUISITION</u>								
2014		<u>17301-550380-P033181</u>	0.00		0.00	80,000.00	80,000.00	0.00	80,000.00	0.00
2015		<u>17301-550380-P033181</u>	0.00		0.00	80,000.00	80,000.00	57,185.98	22,814.02	0.00
2016		<u>17301-550380-P033181</u>	0.00		0.00	80,000.00	80,000.00	0.00	0.00	80,000.00
2017		<u>17301-550380-P033181</u>	<u>0.00</u>		<u>0.00</u>	<u>80,000.00</u>	<u>80,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>80,000.00</u>
		The project is in progress with bonds issued in multiple years.	0.00		0.00	320,000.00	320,000.00	57,185.98	102,814.02	160,000.00

## CAPITAL IMPROVEMENT PROGRAM (CIP) PROJECTS in Progress Report (as of 6/30/17)

CIP YEAR	DEPARTMENT	PROJECT TITLE/BUDGET CODES	FUNDING SOURCES			TOTAL BUDGET	(Unexpended)	TOTAL EXPENDED	REMAINING FUNDING AVAILABLE		
			BONDS	+	LEVY		+			OTHER	=
SHERIFF											
<u>ELECTRONIC CRIMES SPACE</u>											
2012		<u>17132-480480-P032218</u>	0.00		0.00	60,185.33		60,185.33	0.00	53,447.38	6,737.95
2013		<u>17301-480480-P032218</u>	<u>0.00</u>		<u>0.00</u>	<u>15,855.07</u>		<u>15,855.07</u>	<u>0.00</u>	<u>4,800.00</u>	<u>11,055.07</u>
		The project was approved on 10/14/2014, Res. 2014-328.	0.00		0.00	76,040.40		76,040.40	0.00	58,247.38	17,793.02
SHERIFF											
<u>LAW ENFORCEMENT CENTER KITCHEN EQUIPMENT</u>											
2014		<u>17134-480180-P032200</u>	101,611.00		0.00	0.00		101,611.00	0.00	101,611.00	0.00
2015		<u>17135-480180-P032200</u>	57,730.00		0.00	0.00		57,730.00	0.00	5,960.97	51,769.03
2016		<u>17136-480180-P032200</u>	29,700.00		0.00	0.00		29,700.00	0.00	0.00	29,700.00
2017		<u>17137-480180-P032200</u>	<u>0.00</u>		<u>0.00</u>	<u>340,763.00</u>		<u>340,763.00</u>	<u>0.00</u>	<u>0.00</u>	<u>340,763.00</u>
		The project is in progress with bonds issued in multiple years.	189,041.00		0.00	340,763.00		529,804.00	0.00	107,571.97	422,232.03
SHERIFF											
<u>PARKS &amp; PATROL SECURITY CAMERAS</u>											
2014		<u>17134-480180-P032201</u>	<u>160,474.00</u>		<u>0.00</u>	<u>0.00</u>		<u>160,474.00</u>	<u>0.00</u>	<u>148,992.52</u>	<u>11,481.48</u>
		2014 project	160,474.00		0.00	0.00		160,474.00	0.00	148,992.52	11,481.48
SHERIFF											
<u>SECURITY CAMERAS &amp; EQUIPMENT at ADC &amp; PATROL STATION</u>											
2016		<u>17136-480180-P032202</u>	200,000.00		0.00	0.00		200,000.00	47,330.64	112,501.06	40,168.30
2017		<u>17137-480180-P032202</u>	<u>0.00</u>		<u>0.00</u>	<u>130,000.00</u>		<u>130,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>130,000.00</u>
		2016 project	200,000.00		0.00	130,000.00		330,000.00	47,330.64	112,501.06	170,168.30
CO MANAGER											
<u>CONTINGENT ACCOUNTS</u>											
2003	17301-210380-P031027	2003 Levy Contingent	0.00		0.00	0.00		0.00	0.00	0.00	0.00
2005	17301-210380-P031027	2005 Levy Contingent	0.00		(0.00)	116,511.87		116,511.87	0.00	0.00	116,511.87
2007	17301-210380-P031027	2007 Levy Contingent	0.00		0.00	80,245.03		80,245.03	0.00	0.00	80,245.03
2008	17301-210380-P031027	2008 Levy Contingent	0.00		0.00	78,216.43		78,216.43	0.00	0.00	78,216.43
2014	17134-210380-P032059	2014 Bond Contingent	<u>0.00</u>		<u>0.00</u>	<u>0.00</u>		<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
		Total Contingent Accounts	0.00		(0.00)	274,973.33		274,973.33	0.00	0.00	274,973.33

The Capital Improvement Program Citizens' Advisory Committee (CIPAC) has encouraged the County to include a contingent account in the annual CIP Budget. These funds have been built up from unexpended CIP project funds over the years. CIPAC recommended that a total balance in the range of \$200,000-\$250,000 be retained for unanticipated or emergency requests.

Updated 6/30/17 by Finance Department

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**Resolution**  
Board of  
*Ramsey County Commissioners*

Presented By Commissioner McCarty Date February 9, 1987 No. 87-089  
Attention:

Budget & Accounting; All Commissioners; Jacqueline Byrd; Terry Schutten

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WHEREAS, The Ramsey County Board of Commissioners desires to establish a Capital Improvement Program; and

WHEREAS, The purpose of the Capital Improvement Program is to provide an orderly and efficient long-term plan for acquiring necessary buildings, land, major equipment and other commodities of significant value which have a useful life of several years; Now, Therefore, Be It

RESOLVED, That the Ramsey County Board of Commissioners establishes the following goals:

- A. To establish a climate in which the opportunity for optimal decision-making occurs by proposers, users and evaluators of capital projects.
- B. To preserve the fiscal integrity of the County by undertaking a thorough analysis of each proposed capital project. This analysis shall include the long-range impact upon operating costs, capital costs, and potential revenue generation.
- C. To maintain a continuum of services - from the protection of life and maintaining the health, safety, and welfare of the residents and employees of Ramsey County to enhancing the County image, - through the preservation, replacement and/or consolidation of public facilities which provide the most efficient, economic, and effective service delivery possible; and

WHEREAS, The Ramsey County Board of Commissioners desires to establish Capital Improvement Program Policies; Now, Therefore, Be It

RESOLVED, That

- A. Citizen participation shall be strongly encouraged throughout the process of developing and adopting the Capital Improvement Program.

**Resolution**  
Board of  
*Ramsey County Commissioners*

Presented By Commissioner McCarty Date February 9, 1987 No. 87-089  
Attention:

Budget & Accounting;

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- B. The Capital Improvement Program shall include all of the capital improvement projects requested. Each project shall have funding sources delineated, such as bond proceeds, special tax levies, state or federal grants, donations, special assessments, etc.
- C. Capital projects should be financed to the greatest extent possible through user fees and assessment districts where direct benefit to the user results from the construction of the project (examples are golf courses, nursing homes, watershed districts, etc.).
- D. Grants or private funds should be secured to finance projects whenever possible.
- E. The County should continue its cooperative efforts with other agencies in relation to Capital Improvement projects (examples are the Waste-to-Energy Plant with Washington County; Lake Como restoration project with the City of St. Paul, etc.).
- F. All projects will be reviewed and analyzed as to the overall priority and relative importance according to the following priority order:
- |                               |                               |
|-------------------------------|-------------------------------|
| 1. Protect Life/Safety        | 6. Protect Property           |
| 2. Maintain Public Health     | 7. Provide Public Service     |
| 3. Replace Facility           | 8. Provide Public Convenience |
| 4. Maintain Physical Property | 9. Enhance County Image       |
| 5. Reduce Operating Costs     |                               |
- G. Projects which may take more than one year to complete and have already received funding approval for the first year by the County Board, will be given priority consideration in subsequent years;

**Resolution**  
Board of  
*Ramsey County Commissioners*

Presented By Commissioner McCarty Date February 9, 1987 No. 87-089  
Attention:

Budget & Accounting;

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WHEREAS, The Ramsey County Board of Commissioners desires to establish a Capital Improvement Program that is a multi-year planning instrument used to identify needed capital projects and to coordinate financing and timing of improvements in a way that maximizes the return to the public; Now, Therefore, Be It

RESOLVED, That:

- A. Each year, the head of each County department, agency, and interested citizens requesting funds for capital improvements from the Board of County Commissioners shall submit their requests for the next ensuing year and for four additional years to the Executive Director at a time set by the Executive Director, using the Capital Improvement Request Forms established and approved by the Executive Director.
- B. The Executive Director shall examine each Capital Improvement Request, meet with each requesting entity, evaluate and prioritize each project, and recommend financing of these projects to the County Board.
- C. Not later than the second Monday in August of each year, the Executive Director shall submit the CAPITAL IMPROVEMENT BUDGET AND PLAN to the County Board.
- D. After submission to the County Board, the County Board shall hold public hearings on the CAPITAL IMPROVEMENT BUDGET AND PLAN. Citizen participation is strongly encouraged throughout the process of developing and adopting the CAPITAL IMPROVEMENT BUDGET AND PLAN.
- E. After the public hearings, the County Board may adopt the CAPITAL IMPROVEMENT BUDGET AND PLAN with or without amendment. The County Board shall adopt the CAPITAL IMPROVEMENT BUDGET AND PLAN by October 10th of each year, pursuant to Minnesota Statutes 275.07.

Diane Ahrens, Chairperson

By *John N. Velin*  
Chief Clerk - County Board



**Resolution**  
Board of  
*Ramsey County Commissioners*

Presented By Commissioner Hunt Date March 23, 1987 No. 87-162  
Attention:

Budget & Accounting; Commissioner Ruby Hunt; Tom Ryan, Legislative Lobbyist

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WHEREAS, The Draft Ramsey County Capital Improvement Program, Policy and Procedures document, describing the program's mission statement, policies, responsibilities, planning and procedures, strongly encourages citizen participation; and

WHEREAS, Citizen participation in the capital improvement planning process is best assured through a broad-based citizens' advisory committee; Now, Therefore, Be It

RESOLVED, The Board of Ramsey County Commissioners hereby creates a fourteen-member Capital Improvement Program Citizens' Advisory Committee, to be composed of two residents from each of the seven county commissioner districts appointed by the appropriate county commissioner; and Be It Further

RESOLVED, Nominations for appointment to the citizens' advisory committee may be made by any group or interested individual, including, but not limited to, neighborhood groups, community councils, city councils, and members of the legislative delegation.

Diane Ahrens, Chair

By   
Clerk Clerk - County Board

Resolution  
Board of  
*Ramsey County Commissioners*

Presented By Commissioner Schaber Date March 21, 1989 No. 89-256  
Attention: Budget & Accounting

Page 1 of 2

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WHEREAS, Capital Improvement Projects in the past were for a single purpose, such as a nursing home or jail, and involved only one department; and

WHEREAS, Previously, the County Board normally retained a project manager to oversee the budget and administrative procedures of the project; approved all contracts and change order; and authorized payments to contractors to ensure property management of the projects; and

WHEREAS, The County now has a five-year ongoing capital improvement program which involves almost all of the County departments and agencies for which the budget and administrative procedures need to be delineated; Now, Therefore, Be It

RESOLVED, That the same budgetary and administrative procedures used for the operating budget also be used for the capital improvement program; and Be It Further

RESOLVED, That department heads, or their designee, serve as the project representative and be responsible for managing the projects for their department; and Be It Further

RESOLVED, That agencies such as Minnesota Landmarks, Historical Society, etc., be responsible for soliciting bids and awarding contracts for their projects; that bond proceeds for agency projects be disbursed under either of the following two methods:

1. The agency makes the payment to the vendor and requests reimbursement of County Bond proceeds on a regular basis; or
2. The agency recommends approval of the invoices, prepares the disbursement document and the County makes a direct payment to the vendor from the bond proceeds.

Resolution  
Board of  
*Ramsey County Commissioners*

Presented By Commissioner Schaber Date March 21, 1989 No. 89-256  
Attention: Budget & Accounting

Page 2 of 2

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and, Be It Further

RESOLVED, That the Executive Director is authorized to approve supplemental agreements and/or change orders equal to 10 percent of the contract amount or \$25,000, whichever is less, as long as funds are available within the project budget; and Be It Further

RESOLVED, That Resolution 89-224, dated February 28, 1989, be the control authority for road projects in the capital improvement program; and Be It Further

RESOLVED, That actions approved by the Executive Director will be reported annually to the County Board; and Be It Further

RESOLVED, That requests for additional funds of \$25,000 or more from the Contingent Account or other sources will be presented to the CIP Advisory Committee for their recommendation, and then to the County Board for approval.

Hal A. Norgard, Chairman

By *Donnie Chackler*  
Chief Clerk - County Board

# Resolution

Board of

## *Ramsey County Commissioners*

Presented By: Commissioner McDonough Date: December 16, 2008 No. 2008-382

Attention: Budgeting and Accounting  
CIPAC

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WHEREAS, The Capital Improvement Program Citizens' Advisory Committee (CIPAC) provides citizen participation throughout the process of developing and adopting the Capital Improvement Program (CIP); and

WHEREAS, During the 2008-2013 CIP Budget Hearing in August 2007, the Ramsey County Board of Commissioners discussed changes in the CIP since the inception of the program more than twenty years ago; and

WHEREAS, The Ramsey County Board of Commissioners requested the CIPAC review the history of the CIP, best practices, current policies and procedures, and recommend improvements; and

WHEREAS, The CIPAC devoted several of its 2007 and 2008 meetings to review the CIP and develop recommendations; and

WHEREAS, The CIPAC developed recommendations for improvements in the planning, budgeting, and financing of the Ramsey County Capital Improvement Program; Now, Therefore, Be It

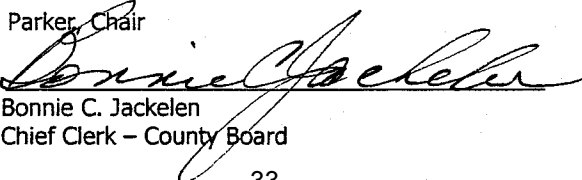
RESOLVED, The Ramsey County Board of Commissioners hereby accepts the Capital Improvement Program Recommendations report from the Capital Improvement Program Citizens' Advisory Committee (CIPAC); and Be It Further

RESOLVED, The Ramsey County Board of Commissioners hereby directs staff to implement the CIPAC recommendations as soon as practicable within the budget constraints.

Ramsey County Board of Commissioners

	YEA	NAY	OTHER
Tony Bennett	X		
Toni Carter	X		
Jim McDonough	X		
Rafael Ortega	X		
Victoria Reinhardt			Absent
Janice Rettman	X		
Jan Parker	X		

Jan Parker, Chair

By:   
Bonnie C. Jackelen  
Chief Clerk - County Board

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**ADMINISTRATIVE PROCEDURES**  
**CAPITAL IMPROVEMENT PROGRAM PROJECTS**  
**Approved by County Board Resolution 1996-121**

1. Funds remaining in completed or canceled Capital Improvement Program projects will be periodically closed to the appropriate contingent accounts, after review with the Department/Agencies, and made available to finance other approved County projects.
2. Financing of shortages in previously approved projects will be as follows:
  - a. If funds are available in a Department's/Agency's open Capital Improvement Program projects and the shortage is less than \$25,000, a budget transfer can be processed administratively.
  - b. If funds are available in a Department's/Agency's open Capital Improvement Program projects and the shortage is \$25,000 or greater, the request for additional funds will be presented to the Capital Improvement Program Advisory Committee for recommendation and the County Board for approval.
  - c. If funds are not available in a Department's/Agency's open Capital Improvement Program projects, a request for contingent funds, if available, or other sources, will be presented to the Capital Improvement Program Advisory Committee for recommendation and the County Board for approval, regardless of the amount of the shortage.
3. Requests for funding of emergency/unanticipated projects during a plan year, not originally financed through the Capital Improvement Program, must be presented to the Capital Improvement Program Advisory Committee for recommendation and to the County Board for approval. The minimum project request is \$25,000. Projects under \$25,000 should be financed using operating budget funds.
4. Departments/Agencies must demonstrate a good faith effort to expend allocated project funds in a timely manner. Within 18 months of availability of project funds, Departments/Agencies must be able to show documented progress toward completion of their projects, or the project funds will be returned to the contingent account to finance future projects.

**ADMINISTRATIVE PROCEDURES**  
**CAPITAL IMPROVEMENT PROGRAM PROJECTS**  
**Approved by County Board Resolution 2008-382**

5. Distinguish between “routine” and “non-routine” capital projects and focus most Capital Improvement Program Citizens’ Advisory Committee (CIPAC) effort on “non-routine” projects.
6. Separate road and bridge capital projects from other non-public works projects for review and financing.
7. Expand the use of Internal Service Funds to account for the costs of buildings and grounds that are currently in operating department budgets such as Parks & Recreation and Medical Examiner. Use the Comprehensive Capital Assets and Management Preservation Plan (CCAMPP) budget to establish these funds.
8. Increase the minimum amount for a capital project to be considered for the CIP to \$50,000.
9. Establish a goal to maintain the CIP Contingent Reserve Account at \$200,000 to \$250,000 for unanticipated or emergency requests.
10. Develop a longer range facilities and infra structure plan.

**RAMSEY COUNTY HOME RULE CHARTER**  
(Effective November 6, 1992)

Section 9.05 Bonding

Ramsey County, by ordinance and without an election, may issue general or special bonds, notes, obligations, or evidence of indebtedness for any authorized corporate purpose. Such indebtedness may otherwise be issued on such terms, and at such rate or rates as the County Board shall determine consistent with Minnesota Statutes relating to public indebtedness.

The proceeds of indebtedness shall be applied to the purpose for which the indebtedness is issued and may be applied to the payment of any necessary, desirable, or incidental expenses related thereto.

Notwithstanding any provision of this charter, the County may issue indebtedness for emergency borrowing as provided in Chapter 10. The certificates of indebtedness for emergency borrowing shall not be included in the net debt of the County.

The aggregate principal amount of indebtedness of the County outstanding at any time shall not exceed the statutory limitations on indebtedness under Minnesota Statutes, Chapter 475, for which purpose there shall not be counted any indebtedness except from the calculation of net debt by general or special law.

Section 10.05 Capital Improvement Plans

A. The County Board shall prepare a five-year capital improvements plan to include:

1. A clear, general summary of its contents;
2. A list of all capital improvements costing over a specified dollar amount designated by the County Board which are proposed to be undertaken during the next five ensuing fiscal years with appropriate information to show the necessity for these improvements;
3. Cost estimates, method of financing, and recommended time schedules for each of these improvements;
4. The estimated cost of operating and maintaining the facilities to be constructed or acquired; and
5. The estimated cost for debt service for capital expenditures. These will be financed from current revenues in the ensuing fiscal year and shall be included in the budget as well as in the capital program. Appropriations for such expenditures shall be included in the budget.

B. Hearings, Date for Adoption, Submission of Capital Budget



1. Annually, the County Board shall cause to be prepared a recommended capital improvements budget for the ensuing fiscal year. The proposed budget shall then become a public record.
  2. The above information shall be revised and extended each year with regard to capital improvements still ending or in the process of construction or acquisition.
- C. Adoption of Capital Budget
1. The capital budget shall be adopted by resolution of the County Board.

## DESCRIPTION OF CAPITAL IMPROVEMENT PROGRAM BUDGETING PROCESS

The Ramsey County Board of Commissioners adopted Resolution 87-089, dated February 8, 1987, which established the basic policies and procedures to be used in establishing a Capital Improvement Program (CIP) Budget and Plan for Ramsey County. County Board Resolution 87-162, dated March 23, 1987, established a 14-member Capital Improvement Program Citizens Advisory Committee (CIPAC) to provide citizen input to the County Board and County Manager.

**Legislation** - The 1988 Minnesota Legislature approved Chapter 519, titled “Counties Building Funds, Capital Improvement Bonds” giving Minnesota Counties the ability to bond for Capital Improvement Programs. The law required that the Counties’ Capital Improvement Program Budget and Plan be approved by the Minnesota Department of Trade and Economic Development (TED). This authority was used for the CIP Plans from 1989 through 1993.

**Ramsey County Home Rule Charter** - On November 5, 1990, Ramsey County voters approved a Home Rule Charter, effective November 6, 1992. The Charter requires the establishment of a 5-year Capital Improvement Program Plan and authorizes bonding and levy authority to finance the plan. The 2016-2021 CIP Plan recommendations are made using these authorities and complying with the Charter requirements.

**Administrative Procedures** - In January, 1995, the County Manager established the administrative procedures and created the forms necessary for County departments, other agencies, and interested citizens to request Capital Improvement Projects for 2012 through 2017. The forms, general policies, and procedures were distributed December 26, 2014, with a due date of January 26, 2015.

**Workbook and Presentations** - From January 2015 to March 2015, the County Manager’s staff assembled the departments’ requests into a CIP workbook. The CIPAC and County Manager staff used this workbook during department and agency head presentations on March 19 and April 9, 2015.

**County Manager Rating Process** - In March, the County Manager’s staff used the rating system created in 1988, to rate 29 project requests. The rating system assigned weighted points to the nine criteria established by the County Board in Resolution 87-089. Eight County staff rated the requested projects.

**Capital Improvement Program Advisory Committee Rating Process** - Also in March, the Capital Improvement Program Advisory Committee members each rated projects into six groups, first 5, second 5, etc., and sixth group of 4. Projects were assigned points based on the group each rater placed them in and the total points tabulated. Ten CIPAC members rated the requested projects.

**Combined Rank** - The ratings for each project from both the CIPAC and County staff were then statistically combined to prioritize the projects overall into a “Combined Rank,” agreed to by the CIPAC and County Manager. On May 7, 2015, the CIPAC met to discuss the priorities established and recommend projects for funding to the County Board.

**Approval Process** - On July 21, 2015, the 2016-2017 proposed budget, including the 2016-2021 Capital Improvement Program Plan was presented to the County Board. The County Board will hold a Public Hearing on November XX, 2015, to receive public comment on the proposed 2016-2017 Operating Budget and 2016-2021 CIP Plan, and approve them with or without changes.

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**2016-2021 CAPITAL IMPROVEMENT PROGRAM  
GLOSSARY OF TERMS**

**Building Improvements** – Rent paid by departments to Property Management to fund periodic repair and maintenance such as carpet replacement and painting. Property Management manages and collects rent on most, but not all, county owned facilities.

**Building Improvements/Repairs** – County levy to fund periodic repair and maintenance such as carpet replacement and painting for buildings not managed directly by Property Management. This is formerly known as Comprehensive Capital Assets and Management Preservation Plan (CCAMPP).

**Capital** – Assets that have a useful life beyond a single fixed period.

**Capital Improvement** - Acquisition or betterment of public lands, buildings, or other improvements within the County for the purpose of a County Courthouse, administrative building, health or social service facility, correctional facility, jail, law enforcement center, hospital, morgue, library, park, and roads and bridges. An improvement must have an expected useful life of one or more years to qualify. “Capital Improvement” does not include light rail transit or any activity related to it.

**Capital Improvement Program (CIP)** – Policies, procedures, plans and budgets established to address capital needs.

**Capital Improvement & Equipment Replacement (CIER) Levy** - (Formerly called the Building Fund Levy.) A pay-as-you-go levy whose proceeds are spent directly on capital improvement projects, rather than issuing bonds, to save interest costs.

**County Manager Rating** - The County Manager rating system is based on the criteria outlined in County Board Resolution #87-089 (February 9, 1987). The criteria, in order of priority, are:

	<u>Weighting Percentage</u>
1. Protect Life/Public Safety/Public Health	25%
2. Replace Facility/Maintain Facility	22%
3. Protect Property	15%
4. Reduce Operating Costs	15%
5. Provide Public Service	10%
6. Provide Public Convenience	7%
7. Enhance County Image	6%

Each project can receive a point value ranging from 0 to 4 for each of the 7 rating criteria. Each of the rating criteria has a weighting percentage assigned to it in order of importance. The weighting percentage is multiplied by the point value for each of the criteria to determine the actual rating points for each of the criteria for each project.

**CIPAC** - The Capital Improvement Program (Citizens) Advisory Committee. The County Board established this Committee in order to obtain citizen input on the Capital Improvement Program. It is comprised of up to 14 members, two from each of the seven County Commissioner districts.

**CIPAC Rating** - Capital Improvement Program Advisory Committee Rating. Each committee member independently rated 29 regular project requests. Each member then divided these into groups of eight projects each. Points were assigned to each project as follows:

<b>Rating Group</b>		<b>Points Assigned</b>
First	5	6
Second	5	5
Third	5	4
Fourth	5	3
Fifth	5	2
Sixth	4	1

**Combined Rank** - A statistically valid method developed to combine the CIPAC and County Manager ratings into one ranking used to set overall project request priorities for the five-year 2016-2021 Capital Improvement Program.

**County Bonds** - Project requests, which use “County Bonds” as a financing source, refer to the proceeds of the General Obligation Bonds to be issued under the capital improvement bonding authority in the Ramsey County Home Rule Charter.

**Equipment Replacement Schedule** - Project requests related to replacement of mobile/motorized equipment, which needs to be replaced on a scheduled basis determined by useful lives of the equipment. Mobile/motorized equipment include items such as squad cars, transport vans, moving equipment, and snow plows.

**Major Capital (non-regular) Project** – A capital project request related to building construction, reconstruction, or purchase exceeding \$1,000,000. These projects are not rated using the regular rating processes, but are considered for current or future funding based on projected debt levels. CIPAC members' written comments are included in the CIP budget document. Major Capital Projects can also be classified as Non-routine Capital Projects.

**Non-routine Capital Project** – Capital projects which are new, replacement, major enhancement, major renovation or refurbishment projects with a useful life of 10 years or more and cost \$50,000 or more.

**Regular Capital (non-major) Project** - A capital project request not related to the construction or purchase of a major building for \$50,000 or more and up to \$1,000,000. These projects are generally related to remodeling, reconstruction, road construction, and replacement of capital assets. Regular Capital Projects can also be classified as Non-routine or Routine Capital Projects.

**Road Reconstruction** - The complete removal of the entire existing roadbed and underlying undesirable soils. The reconstructed roadway could include new sewer, curbs, and pavement.

**Routine Capital Project** – Capital projects for planned, predictable life cycle maintenance projects with a life or more than one year and up to 10 years.

**Transportation Improvement and Deficient Bridge Programs (TIP)** – Public Works program to monitor conditions of transportation network of County roads, based on technical analysis in the Pavement Management Report, prioritization, and funds available.

COMBINED RANK ORDER

CAPITAL IMPROVEMENT REGULAR PROJECTS (2018 - 2023)

PRO-JECT NO.	PAGE NO.	Dept. Priority	DEPT NAME	PROJECT TITLE	CIPAC RANK	CM RANK	COM-BINED RANK	2018 COUNTY PROPOSED		2019 COUNTY PROPOSED		2018/2019 PROPOSED FUNDING SOURCES					2018/2019 PROPOSED TOTAL
								Source	Amount	Source	Amount	COUNTY	CO-OTHER	FEDERAL	STATE	OTHER	
				<b>BOND ISSUANCE COSTS</b>	NR	NR	NR	B	174,862	B	208,477	383,339	-	-	-	-	383,339
16	143	1	PARKS & REC	ADA IMPLEMENTATION-COUNTY FACILITIES	3	2	1	B, S	200,000	B, S	200,000	200,000	-	-	200,000	-	400,000
37	265	1	SHERIFF	SAFETY & SECURITY ENHANCEMENTS-ADULT DETENTION CTF	2	3	2	B	160,000	B	800,000	960,000	-	-	-	-	960,000
6	99	1	HISTORICAL SOCIETY	NATIONAL REGISTER & EDUCATION ASSET PRESERVATION	5	4	3	B	111,279	-	0	111,279	-	-	-	-	111,279
7	107	1	LANDMARK CENTER	NORTH TOWER MASONRY REPAIR	4	8	4	B	210,000	B	210,000	420,000	-	-	-	-	420,000
28	241	2	PUBLIC WORKS	PAVEMENT PRESERVATION	11	1	5	B, O	6,800,000	B, O	6,800,000	4,000,000	-	-	-	9,600,000	13,600,000
13	131	1	MEDICAL EXAMINER	X-RAY MACHINE	1	13	6	B	349,000	-	0	349,000	-	-	-	-	349,000
15	135	3	MEDICAL EXAMINER	STORAGE SYSTEM & EQUIPMENT	10	6	7	B	56,758	-	0	56,758	-	-	-	-	56,758
17	179	2	PARKS & REC	NATURAL RESOURCE HABITAT RESTORATION	8	9	8	B	100,000	B	100,000	200,000	-	-	-	-	200,000
18	183	3	PARKS & REC	ISLAND LAKE COUNTY PARK CHANNEL BRIDGE	12	5	9	B	248,000	-	0	248,000	-	-	-	-	248,000
27	239	1	PUBLIC WORKS	PUBLIC WORKS FACILITY SPACE PLANNING	6	11	10	B	100,000	-	0	100,000	-	-	-	-	100,000
12	123	1	LIBRARY	FURNITURE REUPHOLSTERY & REPLACEMENT	9	10	11	LIB CONT	100,000	LIB CON'	100,000	0	200,000	-	-	-	200,000
14	133	2	MEDICAL EXAMINER	CART REPLACEMENTS	7	12	12	B	90,101	-	0	90,101	-	-	-	-	90,101
21	201	6	PARKS & REC	BEAVER LAKE COUNTY PARK MASTER PLAN	14	7	13	B	100,000	-	0	100,000	-	-	-	-	100,000
38	267	2	SHERIFF	SAFETY & SECURITY ENHANCEMENTS-FIREARMS RANGE	13	16	14	-	0	-	0	0	-	-	-	-	-
20	195	5	PARKS & REC	VADNAIS SPORTS CENTER PARKING LOT IMPROVEMENTS	15	15	15	B	0	B	581,523	581,523	-	-	-	-	581,523
23	213	8	PARKS & REC	POPLAR LAKE COUNTY PARK MASTER PLAN	17	14	16	-	0	-	0	0	-	-	-	-	-
19	189	4	PARKS & REC	KELLER PRACTICE FACILITY	16	18	17	-	0	-	0	0	-	-	-	-	0
22	207	7	PARKS & REC	SATELLITE MAINTENANCE FACILITY	18	17	18	-	0	-	0	0	-	-	-	-	0
1	81	1	EMERGENCY COMM	REPLACE DISPATCH CENTER UPS	NR	NR	NR	-	0	ECFB	200,000	0	200,000	-	-	-	200,000
2	83	2	EMERGENCY COMM	EMCOM NETWORK UPGRADES	NR	NR	NR	-	0	-	0	0	-	-	-	-	-
3	85	3	EMERGENCY COMM	BACKUP CENTER HVAC REPLACEMENT	NR	NR	NR	-	0	-	0	0	-	-	-	-	0
4	87	4	EMERGENCY COMM	800 MHZ RADIO BASE STATION REPLACEMENT	NR	NR	NR	ECFB	532,017	ECFB	532,017	0	1,064,034	-	-	-	1,064,034
5	89	5	EMERGENCY COMM	CAD REPLACEMENT	NR	NR	NR	ECFB	800,000	ECFB	800,000	0	1,600,000	-	-	-	1,600,000
8	109	2	LANDMARK CENTER	REPLACE CARPETING	NR	NR	NR	-	0	-	0	0	-	-	-	-	0
9	111	3	LANDMARK CENTER	REPLACE ELECTRIC PANELS	NR	NR	NR	-	0	-	0	0	-	-	-	-	0
10	113	4	LANDMARK CENTER	FIRE SYSTEM UPDATE	NR	NR	NR	-	0	-	0	0	-	-	-	-	0
11	115	5	LANDMARK CENTER	UPDATE ENERGY MANAGEMENT SYSTEM	NR	NR	NR	-	0	-	0	0	-	-	-	-	0
24	219	9	PARKS & REC	REGIONAL PARK & TRAIL CIP/LEGACY	NR	NR	NR	S, O	2,635,820	S, O	1,292,090	0	-	-	1,418,000	2,509,910	3,927,910
25	225	10	PARKS & REC	CAPITAL ASSET MANAGEMENT-ADMIN/MAINTENANCE	NR	NR	NR	-	0	-	0	0	-	-	-	-	-
26	229	11	PARKS & REC	CAPITAL ASSET MANAGEMENT-PARKS	NR	NR	NR	-	0	-	0	0	-	-	-	-	-
29	243	3	PUBLIC WORKS	COUNTY STATE AID HIGHWAY ROAD CONSTRUCTION	NR	NR	NR	F,S,O	31,070,000	F,S,O	35,986,000	0	-	16,172,000	23,499,000	27,385,000	67,056,000
30	245	4	PUBLIC WORKS	TRAFFIC SIGNAL UPGRADES	NR	NR	NR	O	800,000	O	800,000	0	-	-	-	1,600,000	1,600,000
31	247	5	PUBLIC WORKS	DRAINAGE SYSTEMS & STRUCTURES	NR	NR	NR	O	600,000	O	500,000	0	-	-	-	1,100,000	1,100,000
32	249	6	PUBLIC WORKS	COMPREHENSIVE BRIDGE MAINTENANCE	NR	NR	NR	O	600,000	O	500,000	0	-	-	-	1,100,000	1,100,000
33	251	7	PUBLIC WORKS	PEDESTRIAN & BIKE FACILITIES	NR	NR	NR	O	800,000	O	700,000	0	-	-	-	1,500,000	1,500,000
34	253	8	PUBLIC WORKS	ADA COMPLIANCE	NR	NR	NR	O	600,000	O	500,000	0	-	-	-	1,100,000	1,100,000
35	255	9	PUBLIC WORKS	ROADWAY APPURTENANCES	NR	NR	NR	O	700,000	O	600,000	0	-	-	-	1,300,000	1,300,000
36	257	10	PUBLIC WORKS	NEW EQUIPMENT	NR	NR	NR	S	80,000	S	80,000	0	-	-	160,000	-	160,000
				<b>TOTAL REGULAR PROJECTS</b>					<b>48,017,837</b>		<b>51,490,107</b>	<b>7,800,000</b>	<b>3,064,034</b>	<b>16,172,000</b>	<b>25,277,000</b>	<b>47,194,910</b>	<b>99,507,944</b>

Financing: (B)=CIP Bonds; (\*)=Funding at a reduced level from requested; (LIB CONT)= Library Capital Contingent; (ECFB)=Emergency Communications Fund Balance; (F)=Federal Funding; (S)=State Funding; (O)=Other Funding such as Wheelage Tax;

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CIP REGULAR PROJECTS - \$3,800,000 CIP BONDS + \$44,217,837 OTHER FUNDING - 2018

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2018 FUNDING SOURCE					2018 TOTAL PROPOSED	
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE		MUNICIPAL/ OTHER
<b>EMERGENCY COMMUNICATIONS</b>										
4	87	800 MHZ RADIO BASE STATION REPLACEMENT	Not Ranked	-	97,300	434,717 (1)	-	-	-	532,017
5	89	CAD REPLACEMENT	Not Ranked	-	-	800,000 (1)	-	-	-	800,000
		TOTAL EMERGENCY COMMUNICATIONS		-	97,300	1,234,717	-	-	-	1,332,017
<b>HISTORICAL SOCIETY</b>										
6	99	NATIONAL REGISTER & EDUCATION ASSET PRESERVATION	3	111,279	-	-	-	-	-	111,279
		TOTAL HISTORICAL SOCIETY		111,279	-	-	-	-	-	111,279
<b>LANDMARK CENTER</b>										
7	107	NORTH TOWER MASONRY REPAIR	4	210,000	-	-	-	-	-	210,000
		TOTAL LANDMARK CENTER		210,000	-	-	-	-	-	210,000
<b>LIBRARY</b>										
12	123	FURNITURE REUPHOLSTERY & REPLACEMENT	11	-	-	100,000 (2)	-	-	-	100,000
		TOTAL LIBRARY		-	-	100,000	-	-	-	100,000
<b>MEDICAL EXAMINER</b>										
13	131	X-RAY MACHINE	6	349,000	-	-	-	-	-	349,000
14	133	CART REPLACEMENTS	12	90,101	-	-	-	-	-	90,101
15	135	STORAGE SYSTEM & EQUIPMENT	7	56,758	-	-	-	-	-	56,758
		TOTAL MEDICAL EXAMINER		495,859	-	-	-	-	-	495,859
<b>PARKS &amp; RECREATION</b>										
16	143	ADA IMPLEMENTATION-COUNTY FACILITIES	1	100,000	-	-	-	100,000	-	200,000
17	179	NATURAL RESOURCE HABITAT RESTORATION	8	100,000	-	-	-	-	-	100,000
18	183	ISLAND LAKE COUNTY PARK CHANNEL BRIDGE	9	248,000	-	-	-	-	-	248,000
21	201	BEAVER LAKE COUNTY PARK MASTER PLAN	13	100,000	-	-	-	-	-	100,000
24	219	REGIONAL PARK & TRAIL CIP/LEGACY	Not Ranked	-	-	-	-	1,418,000	1,217,820	2,635,820
		TOTAL PARKS & RECREATION		548,000	-	-	-	1,518,000	1,217,820	3,283,820
<b>PUBLIC WORKS</b>										
27	239	PUBLIC WORKS FACILITY SPACE PLANNING	10	100,000	-	-	-	-	-	100,000
28	241	PAVEMENT PRESERVATION	5	2,000,000	-	-	-	-	4,800,000	6,800,000
29	243	COUNTY STATE AID HIGHWAY ROAD CONSTRUCTION	Not Ranked	-	-	-	8,229,000	11,999,000	10,842,000	31,070,000
30	245	TRAFFIC SIGNAL UPGRADES	Not Ranked	-	-	-	-	-	800,000	800,000
31	247	DRAINAGE SYSTEMS & STRUCTURES	Not Ranked	-	-	-	-	-	600,000	600,000
32	249	COMPREHENSIVE BRIDGE MAINTENANCE	Not Ranked	-	-	-	-	-	600,000	600,000
33	251	PEDESTRIAN & BIKE FACILITIES	Not Ranked	-	-	-	-	-	800,000	800,000
34	253	ADA COMPLIANCE	Not Ranked	-	-	-	-	-	600,000	600,000
35	255	ROADWAY APPURTENANCES	Not Ranked	-	-	-	-	-	700,000	700,000
36	257	NEW EQUIPMENT	Not Ranked	-	-	-	-	80,000	-	80,000
		TOTAL PUBLIC WORKS		2,100,000	-	-	8,229,000	12,079,000	19,742,000	42,150,000
<b>SHERIFF</b>										
37	265	SAFETY & SECURITY ENHANCEMENTS-ADULT DETENTION CT	2	160,000	-	-	-	-	-	160,000
38	267	SAFETY & SECURITY ENHANCEMENTS-FIREARMS RANGE	14	-	-	-	-	-	-	-
		TOTAL SHERIFF		160,000	-	-	-	-	-	160,000



PROPOSED CAPITAL IMPROVEMENT PROJECTS BY DEPARTMENT FOR 2018-2019

SCHEDULE 1  
(Continued)

-----	73	<b>OTHER</b>								
		BOND ISSUANCE COSTS	Not Ranked	174,862	-	-	-	-	-	174,862
		TOTAL OTHER		174,862	-	-	-	-	-	174,862
<b>TOTAL CIP REGULAR PROJECTS BONDS</b>				<b>3,800,000</b>	<b>97,300</b>	<b>1,334,717</b>	<b>8,229,000</b>	<b>13,597,000</b>	<b>20,959,820</b>	<b>48,017,837</b>

(1) Emergency Communications fund balance  
(2) \$100,000 to be funded from Library Capital Improvement Program (CIP) Contingent account

**CIP MAJOR PROJECTS - \$7,400,000 CIP BONDS + \$700,000 OTHER FUNDING - 2018**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2018 FUNDING SOURCE						2018 TOTAL PROPOSED
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE	MUNICIPAL/ OTHER	
<b>MAJOR PROJECTS</b>										
-----	333	JUVENILE INSTITUTIONS	Not Ranked	500,000	-	-	-	-	-	500,000
-----	353	JUVENILE AND FAMILY JUSTICE CENTER BUILDING EXPANSION	Not Ranked	200,000	-	-	-	-	-	200,000
-----	363	EDUCATION AND COLLECTIONS PRESERVATION FACILITY	Not Ranked	132,000	-	-	-	-	-	132,000
-----	441	ALDRICH ARENA BITUMINOUS & FIRE PROTECTION	Not Ranked	1,454,200	-	-	-	-	500,000	1,954,200
-----	473	ARENA REGULATORY COMPLIANCE	Not Ranked	1,516,000	-	-	-	200,000	-	1,716,000
-----	489	GREEN ICE INITIATIVE	Not Ranked	385,000	-	-	-	-	-	385,000
-----	569	LAW ENFORCEMENT CENTER SECURITY ACCESS SYSTEM	Not Ranked	2,400,000	-	-	-	-	-	2,400,000
-----	577	RADIOS REPLACEMENT	Not Ranked	700,000	-	-	-	-	-	700,000
		TOTAL MAJOR PROJECTS		7,287,200	-	-	-	200,000	500,000	7,987,200
<b>OTHER</b>										
-----	73	BOND ISSUANCE COSTS	Not Ranked	112,800	-	-	-	-	-	112,800
		TOTAL OTHER		112,800	-	-	-	-	-	112,800
<b>TOTAL CIP MAJOR PROJECTS BONDS</b>				<b>7,400,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>200,000</b>	<b>500,000</b>	<b>8,100,000</b>

PROPOSED CAPITAL IMPROVEMENT PROJECTS BY DEPARTMENT FOR 2018-2019

SCHEDULE 1  
(Continued)

**BUILDING IMPROVEMENTS/REPAIRS - \$1,100,000 LEVY + \$403,500 OTHER FUNDING - 2018**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2018 FUNDING SOURCE					2018 TOTAL PROPOSED	
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE		MUNICIPAL/ OTHER
<b>BUILDING IMPROVEMENTS/ REPAIRS</b>										
-----	293	BLDG IMPROVEMENTS-BOYS TOTEM TOWN	Not Ranked	-	113,300	-	-	-	-	113,300
-----	297	BLDG IMPROVEMENTS-EXTENSION BARN	Not Ranked	-	31,900	-	-	-	-	31,900
-----	301	BLDG IMPROVEMENTS-FAMILY SERVICE CENTER	Not Ranked	-	28,600	-	-	-	-	28,600
-----	305	BLDG IMPROVEMENTS-LANDMARK CENTER	Not Ranked	-	192,500	-	-	-	-	192,500
-----	309	BLDG IMPROVEMENTS-PARKS	Not Ranked	-	733,700	-	-	378,500	25,000	1,137,200
<b>TOTAL BUILDING IMPROVEMENTS/REPAIRS</b>				-	1,100,000	-	-	378,500	25,000	1,503,500

**BUILDING IMPROVEMENTS - \$6,726,650 RENTAL REVENUES - 2018**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2018 FUNDING SOURCE					2018 TOTAL PROPOSED	
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE		MUNICIPAL/ OTHER
<b>BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT</b>										
-----	271	BLDG IMPROVEMENTS - PUBL WKS/PATROL STATION	Not Ranked	-	-	467,000 (1)	-	-	-	467,000
-----	275	BLDG IMPROVEMENTS - LIBRARIES	Not Ranked	-	-	205,000 (1)	-	-	-	205,000
-----	279	BLDG IMPROVEMENTS - CH/CH	Not Ranked	-	-	1,503,000 (1)	-	-	-	1,503,000
-----	283	BLDG IMPROVEMENTS - GENERAL BUILDING FUND	Not Ranked	-	-	4,551,650 (1)	-	-	-	4,551,650
<b>TOTAL BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT</b>				-	-	6,726,650	-	-	-	6,726,650

(1) Dedicated Rental Revenues and Fund Balance from Building Funds

PROPOSED CAPITAL IMPROVEMENT PROJECTS BY DEPARTMENT FOR 2018-2019

SCHEDULE 1  
(Continued)

**SUMMARY BY FUNDING AND ACCOUNT CLASSIFICATION FOR 2018**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2018 FUNDING SOURCE					2018 TOTAL PROPOSED	
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE		MUNICIPAL/ OTHER
<b>CIP REGULAR PROJECT BONDS</b>										
		Building Additions, Renovations, Repairs		581,279	-	-	-	100,000	-	681,279
		Improvements Other Than Buildings		943,859	97,300	1,334,717	-	1,498,000	1,217,820	5,091,696
		County Roads		2,100,000	-	-	8,229,000	11,999,000	19,742,000	42,070,000
		Bond Issuance Costs		174,862	-	-	-	-	-	174,862
		<b>TOTAL CIP REGULAR PROJECTS BONDS</b>		<b>3,800,000</b>	<b>97,300</b>	<b>1,334,717</b>	<b>8,229,000</b>	<b>13,597,000</b>	<b>20,959,820</b>	<b>48,017,837</b>
<b>CIP MAJOR PROJECT BONDS</b>										
		Major Projects		7,287,200	-	-	-	200,000	500,000	7,987,200
		Bond Issuance Costs		112,800	-	-	-	-	-	112,800
		<b>TOTAL CIP MAJOR PROJECTS BONDS</b>		<b>7,400,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>200,000</b>	<b>500,000</b>	<b>8,100,000</b>
<b>CAPITAL IMPROVEMENT &amp; EQUIPMENT REPLACEMENT LEVY</b>										
		Building Lifecycle Maintenance		-	1,100,000	-	-	378,500	25,000	1,503,500
		<b>TOTAL BUILDING IMPROVEMENTS/REPAIRS</b>		<b>-</b>	<b>1,100,000</b>	<b>-</b>	<b>-</b>	<b>378,500</b>	<b>25,000</b>	<b>1,503,500</b>
<b>BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT</b>										
		Building Additions, Renovations, Repairs		-	-	6,726,650	-	-	-	6,726,650
		<b>TOTAL BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT</b>		<b>-</b>	<b>-</b>	<b>6,726,650</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,726,650</b>
<b>TOTAL CIP PROJECTS PROPOSED FOR FUNDING IN 2018</b>				<b>11,200,000</b>	<b>1,197,300</b>	<b>8,061,367</b>	<b>8,229,000</b>	<b>14,175,500</b>	<b>21,484,820</b>	<b>64,347,987</b>

PROPOSED CAPITAL IMPROVEMENT PROJECTS BY DEPARTMENT FOR 2018-2019

SCHEDULE 1  
(Continued)

CIP REGULAR PROJECTS - \$4,000,000 CIP BONDS + \$47,490,107 OTHER FUNDING - 2019

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2019 FUNDING SOURCE					2019 TOTAL PROPOSED		
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE		MUNICIPAL/ OTHER	
<b>EMERGENCY COMMUNICATIONS</b>											
1	81	REPLACE DISPATCH CENTER UPS	Not Ranked	-	-	200,000	(1)	-	-	-	200,000
4	87	800 MHZ RADIO BASE STATION REPLACEMENT	Not Ranked	-	97,300	434,717	(1)	-	-	-	532,017
5	89	CAD REPLACEMENT	Not Ranked	-	-	800,000	(1)	-	-	-	800,000
		TOTAL EMERGENCY COMMUNICATIONS		-	97,300	1,434,717		-	-	-	1,532,017
<b>LANDMARK CENTER</b>											
7	107	NORTH TOWER MASONRY REPAIR	4	210,000	-	-	-	-	-	-	210,000
		TOTAL LANDMARK CENTER		210,000	-	-	-	-	-	-	210,000
<b>LIBRARY</b>											
12	123	FURNITURE REUPHOLSTERY & REPLACEMENT	11	-	-	100,000	(2)	-	-	-	100,000
		TOTAL LIBRARY		-	-	100,000		-	-	-	100,000
<b>PARKS &amp; RECREATION</b>											
16	143	ADA IMPLEMENTATION-COUNTY FACILITIES	1	100,000	-	-	-	100,000	-	-	200,000
17	179	NATURAL RESOURCE HABITAT RESTORATION	8	100,000	-	-	-	-	-	-	100,000
20	195	VADNAIS SPORTS CENTER PARKING LOT IMPROVEMENTS	15	581,523	-	-	-	-	-	-	581,523
24	219	REGIONAL PARK & TRAIL CIP/LEGACY	Not Ranked	-	-	-	-	-	-	1,292,090	1,292,090
		TOTAL PARKS & RECREATION		781,523	-	-	-	100,000	1,292,090	-	2,173,613
<b>PUBLIC WORKS</b>											
28	241	PAVEMENT PRESERVATION	5	2,000,000	-	-	-	-	4,800,000	-	6,800,000
29	243	COUNTY STATE AID HIGHWAY ROAD CONSTRUCTION	Not Ranked	-	-	-	7,943,000	11,500,000	16,543,000	-	35,986,000
30	245	TRAFFIC SIGNAL UPGRADES	Not Ranked	-	-	-	-	-	800,000	-	800,000
31	247	DRAINAGE SYSTEMS & STRUCTURES	Not Ranked	-	-	-	-	-	500,000	-	500,000
32	249	COMPREHENSIVE BRIDGE MAINTENANCE	Not Ranked	-	-	-	-	-	500,000	-	500,000
33	251	PEDESTRIAN & BIKE FACILITIES	Not Ranked	-	-	-	-	-	700,000	-	700,000
34	253	ADA COMPLIANCE	Not Ranked	-	-	-	-	-	500,000	-	500,000
35	255	ROADWAY APPURTENANCES	Not Ranked	-	-	-	-	-	600,000	-	600,000
36	257	NEW EQUIPMENT	Not Ranked	-	-	-	-	80,000	-	-	80,000
		TOTAL PUBLIC WORKS		2,000,000	-	-	7,943,000	11,580,000	24,943,000	-	46,466,000
<b>SHERIFF</b>											
37	265	SAFETY & SECURITY ENHANCEMENTS-ADULT DETENTION CT	2	800,000	-	-	-	-	-	-	800,000
38	267	SAFETY & SECURITY ENHANCEMENTS-FIREARMS RANGE	14	-	-	-	-	-	-	-	-
		TOTAL SHERIFF		800,000	-	-	-	-	-	-	800,000
<b>OTHER</b>											
-----	73	BOND ISSUANCE COSTS		208,477	-	-	-	-	-	-	208,477
		TOTAL OTHER		208,477	-	-	-	-	-	-	208,477
<b>TOTAL CIP REGULAR PROJECTS BONDS</b>				<b>4,000,000</b>	<b>97,300</b>	<b>1,534,717</b>		<b>7,943,000</b>	<b>11,680,000</b>	<b>26,235,090</b>	<b>51,490,107</b>

(1) Emergency Communications fund balance

(2) \$100,000 to be funded from Library Capital Improvement Program (CIP) Contingent account

PROPOSED CAPITAL IMPROVEMENT PROJECTS BY DEPARTMENT FOR 2018-2019

SCHEDULE 1  
(Continued)

**CIP MAJOR PROJECTS - \$5,100,000 CIP BONDS + \$400,000 OTHER FUNDING - 2019**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2019 FUNDING SOURCE					2019 TOTAL PROPOSED	
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE		MUNICIPAL/ OTHER
<b>MAJOR PROJECTS</b>										
-----	333	JUVENILE INSTITUTIONS	Not Ranked	500,000	-	-	-	-	-	500,000
-----	521	BITUMINOUS PAVEMENT MAINTENANCE	Not Ranked	1,396,485	-	-	-	-	-	1,396,485
-----	473	ARENA REGULATORY COMPLIANCE	Not Ranked	1,738,450	-	-	-	400,000	-	2,138,450
-----	489	GREEN ICE INITIATIVE	Not Ranked	650,000	-	-	-	-	-	650,000
-----	577	RADIOS REPLACEMENT	Not Ranked	700,000	-	-	-	-	-	700,000
		<b>TOTAL MAJOR PROJECTS</b>		<b>4,984,935</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>400,000</b>	<b>-</b>	<b>5,384,935</b>
<b>OTHER</b>										
-----	73	BOND ISSUANCE COSTS	Not Ranked	115,065	-	-	-	-	-	115,065
		<b>TOTAL OTHER</b>		<b>115,065</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>115,065</b>
		<b>TOTAL CIP MAJOR PROJECTS BONDS</b>		<b>5,100,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>400,000</b>	<b>-</b>	<b>5,500,000</b>

**BUILDING IMPROVEMENTS/REPAIRS - \$1,100,000 LEVY + \$374,800 OTHER FUNDING - 2019**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2019 FUNDING SOURCE					2019 TOTAL PROPOSED	
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE		MUNICIPAL/ OTHER
<b>BUILDING IMPROVEMENTS/ REPAIRS</b>										
-----	293	BLDG IMPROVEMENTS-BOYS TOTEM TOWN	NOT RATED	-	113,300	-	-	-	-	113,300
-----	297	BLDG IMPROVEMENTS-EXTENSION BARN	NOT RATED	-	31,900	-	-	-	-	31,900
-----	301	BLDG IMPROVEMENTS-FAMILY SERVICE CENTER	NOT RATED	-	28,600	-	-	-	-	28,600
-----	305	BLDG IMPROVEMENTS-LANDMARK CENTER	NOT RATED	-	192,500	-	-	-	-	192,500
-----	309	BLDG IMPROVEMENTS-PARKS	NOT RATED	-	733,700	-	-	349,800	25,000	1,108,500
		<b>TOTAL BUILDING IMPROVEMENTS/REPAIRS</b>		<b>-</b>	<b>1,100,000</b>	<b>-</b>	<b>-</b>	<b>349,800</b>	<b>25,000</b>	<b>1,474,800</b>

**BUILDING IMPROVEMENTS - \$5,261,000 RENTAL REVENUES - 2019**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2019 FUNDING SOURCE					2019 TOTAL PROPOSED	
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE		MUNICIPAL/ OTHER
<b>BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT</b>										
-----	271	BLDG IMPROVEMENTS - PUBL WKS/PATROL STATION	NOT RATED	-	-	266,000 (1)	-	-	-	266,000
-----	275	BLDG IMPROVEMENTS - LIBRARIES	NOT RATED	-	-	234,000 (1)	-	-	-	234,000
-----	279	BLDG IMPROVEMENTS - CH/CH	NOT RATED	-	-	1,065,000 (1)	-	-	-	1,065,000
-----	283	BLDG IMPROVEMENTS - GENERAL BUILDING FUND	NOT RATED	-	-	3,696,000 (1)	-	-	-	3,696,000
		<b>TOTAL BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT</b>		<b>-</b>	<b>-</b>	<b>5,261,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,261,000</b>

(1) Dedicated Rental Revenues and Fund Balance from Building Funds

PROPOSED CAPITAL IMPROVEMENT PROJECTS BY DEPARTMENT FOR 2018-2019

SCHEDULE 1  
(Continued)

**SUMMARY BY FUNDING AND ACCOUNT CLASSIFICATION FOR 2019**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2019 FUNDING SOURCE					2019 TOTAL PROPOSED	
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE		MUNICIPAL/ OTHER
<b>CIP REGULAR PROJECT BONDS</b>										
		Building Additions, Renovations, Repairs		1,110,000	-	-	-	100,000	-	1,210,000
		Improvements Other Than Buildings		681,523	97,300	1,534,717	-	80,000	1,292,090	3,685,630
		County Roads		2,000,000	-	-	7,943,000	11,500,000	24,943,000	46,386,000
		Bond Issuance Costs		208,477	-	-	-	-	-	208,477
		<b>TOTAL CIP REGULAR PROJECTS BONDS</b>		<b>4,000,000</b>	<b>97,300</b>	<b>1,534,717</b>	<b>7,943,000</b>	<b>11,680,000</b>	<b>26,235,090</b>	<b>51,490,107</b>
<b>CIP MAJOR PROJECT BONDS</b>										
		Major Projects		4,984,935	-	-	-	400,000	-	5,384,935
		Bond Issuance Costs		115,065	-	-	-	-	-	115,065
		<b>TOTAL CIP MAJOR PROJECTS BONDS</b>		<b>5,100,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>400,000</b>	<b>-</b>	<b>5,500,000</b>
<b>CAPITAL IMPROVEMENT &amp; EQUIPMENT REPLACEMENT LEVY</b>										
		Building Lifecycle Maintenance		-	1,100,000	-	-	349,800	25,000	1,474,800
		<b>TOTAL BUILDING IMPROVEMENTS/REPAIRS</b>		<b>-</b>	<b>1,100,000</b>	<b>-</b>	<b>-</b>	<b>349,800</b>	<b>25,000</b>	<b>1,474,800</b>
<b>BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT</b>										
		Building Additions, Renovations, Repairs		-	-	5,261,000	-	-	-	5,261,000
		<b>TOTAL BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT</b>		<b>-</b>	<b>-</b>	<b>5,261,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,261,000</b>
<b>TOTAL CIP PROJECTS PROPOSED FOR FUNDING IN 2019</b>				<b>9,100,000</b>	<b>1,197,300</b>	<b>6,795,717</b>	<b>7,943,000</b>	<b>12,429,800</b>	<b>26,260,090</b>	<b>63,725,907</b>

PROPOSED CAPITAL IMPROVEMENT PROJECTS BY DEPARTMENT FOR 2018-2019

SCHEDULE 1  
(Continued)

**SUMMARY OF PROJECTS BY DEPARTMENT FOR 2018 - 2019**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2018-2019 FUNDING SOURCE					2018-2019 TOTAL PROPOSED
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE	
<b>COMMUNITY CORRECTIONS</b>									
-----	333	JUVENILE INSTITUTIONS	Not Ranked	1,000,000	-	-	-	-	1,000,000
		TOTAL COMMUNITY CORRECTIONS		1,000,000	-	-	-	-	1,000,000
<b>COURTS</b>									
-----	353	JUVENILE AND FAMILY JUSTICE CENTER BUILDING EXPANSION	Not Ranked	200,000	-	-	-	-	200,000
		TOTAL COURTS		200,000	-	-	-	-	200,000
<b>EMERGENCY COMMUNICATIONS</b>									
1	81	REPLACE DISPATCH CENTER UPS	Not Ranked	-	-	200,000	-	-	200,000
4	87	800 MHZ RADIO BASE STATION REPLACEMENT	Not Ranked	-	194,600	869,434	-	-	1,064,034
5	89	CAD REPLACEMENT	Not Ranked	-	-	1,600,000	-	-	1,600,000
		TOTAL EMERGENCY COMMUNICATIONS		-	194,600	2,669,434	-	-	2,864,034
<b>HISTORICAL SOCIETY</b>									
6	99	NATIONAL REGISTER & EDUCATION ASSET PRESERVATION	3	111,279	-	-	-	-	111,279
-----	363	EDUCATION AND COLLECTIONS PRESERVATION FACILITY	Not Ranked	132,000	-	-	-	-	132,000
		TOTAL HISTORICAL SOCIETY		243,279	-	-	-	-	243,279
<b>LANDMARK CENTER</b>									
7	107	NORTH TOWER MASONRY REPAIR	4	420,000	-	-	-	-	420,000
		TOTAL LANDMARK CENTER		420,000	-	-	-	-	420,000
<b>LIBRARY</b>									
12	123	FURNITURE REUPHOLSTERY & REPLACEMENT	11	-	-	200,000	-	-	200,000
		TOTAL LIBRARY		-	-	200,000	-	-	200,000
<b>MEDICAL EXAMINER</b>									
13	131	X-RAY MACHINE	6	349,000	-	-	-	-	349,000
14	133	CART REPLACEMENTS	12	90,101	-	-	-	-	90,101
15	135	STORAGE SYSTEM & EQUIPMENT	7	56,758	-	-	-	-	56,758
		TOTAL MEDICAL EXAMINER		495,859	-	-	-	-	495,859
<b>PARKS &amp; RECREATION</b>									
16	143	ADA IMPLEMENTATION-COUNTY FACILITIES	1	200,000	-	-	-	200,000	400,000
17	179	NATURAL RESOURCE HABITAT RESTORATION	8	200,000	-	-	-	-	200,000
18	183	ISLAND LAKE COUNTY PARK CHANNEL BRIDGE	9	248,000	-	-	-	-	248,000
20	195	VADNAIS SPORTS CENTER PARKING LOT IMPROVEMENTS	15	581,523	-	-	-	-	581,523
21	201	BEAVER LAKE COUNTY PARK MASTER PLAN	13	100,000	-	-	-	-	100,000
24	219	REGIONAL PARK & TRAIL CIP/LEGACY	Not Ranked	-	-	-	-	1,418,000	3,927,910
-----	521	BITUMINOUS PAVEMENT MAINTENANCE	Not Ranked	1,396,485	-	-	-	-	1,396,485
-----	441	ALDRICH ARENA BITUMINOUS & FIRE PROTECTION	Not Ranked	1,454,200	-	-	-	500,000	1,954,200
-----	473	ARENA REGULATORY COMPLIANCE	Not Ranked	3,254,450	-	-	-	600,000	3,854,450
-----	489	GREEN ICE INITIATIVE	Not Ranked	1,035,000	-	-	-	-	1,035,000
		TOTAL PARKS & RECREATION		8,469,658	-	-	-	2,218,000	13,697,568

**SUMMARY OF PROJECTS BY DEPARTMENT FOR 2018 - 2019**

PROJECT NO.	CIP PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	COMBINED RANK	2018-2019 FUNDING SOURCE						2018-2019 TOTAL PROPOSED
				CIP BONDS	COUNTY LEVY	COUNTY OTHER	FEDERAL	STATE	MUNICIPAL/ OTHER	
<b>PUBLIC WORKS</b>										
27	239	PUBLIC WORKS FACILITY SPACE PLANNING	10	100,000	-	-	-	-	-	100,000
28	241	PAVEMENT PRESERVATION	5	4,000,000	-	-	-	-	9,600,000	13,600,000
29	243	COUNTY STATE AID HIGHWAY ROAD CONSTRUCTION	Not Ranked	-	-	-	16,172,000	23,499,000	27,385,000	67,056,000
30	245	TRAFFIC SIGNAL UPGRADES	Not Ranked	-	-	-	-	-	1,600,000	1,600,000
31	247	DRAINAGE SYSTEMS & STRUCTURES	Not Ranked	-	-	-	-	-	1,100,000	1,100,000
32	249	COMPREHENSIVE BRIDGE MAINTENANCE	Not Ranked	-	-	-	-	-	1,100,000	1,100,000
33	251	PEDESTRIAN & BIKE FACILITIES	Not Ranked	-	-	-	-	-	1,500,000	1,500,000
34	253	ADA COMPLIANCE	Not Ranked	-	-	-	-	-	1,100,000	1,100,000
35	255	ROADWAY APPURTENANCES	Not Ranked	-	-	-	-	-	1,300,000	1,300,000
36	257	NEW EQUIPMENT	Not Ranked	-	-	-	-	160,000	-	160,000
TOTAL PUBLIC WORKS				4,100,000	-	-	16,172,000	23,659,000	44,685,000	88,616,000
<b>SHERIFF</b>										
37	265	SAFETY & SECURITY ENHANCEMENTS-ADULT DETENTION CT	2	960,000	-	-	-	-	-	960,000
38	267	SAFETY & SECURITY ENHANCEMENTS-FIREARMS RANGE	14	-	-	-	-	-	-	-
-----	569	LAW ENFORCEMENT CENTER SECURITY ACCESS SYSTEM	Not Ranked	2,400,000	-	-	-	-	-	2,400,000
-----	577	RADIOS REPLACEMENT	Not Ranked	1,400,000	-	-	-	-	-	1,400,000
TOTAL SHERIFF				4,760,000	-	-	-	-	-	4,760,000
<b>BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT</b>										
-----	271	BLDG IMPROVEMENTS - PUBL WKS/PATROL STATION	NOT RATED	-	-	733,000	-	-	-	733,000
-----	275	BLDG IMPROVEMENTS - LIBRARIES	NOT RATED	-	-	439,000	-	-	-	439,000
-----	279	BLDG IMPROVEMENTS - CH/CH	NOT RATED	-	-	2,568,000	-	-	-	2,568,000
-----	283	BLDG IMPROVEMENTS - GENERAL BUILDING FUND	NOT RATED	-	-	8,247,650	-	-	-	8,247,650
TOTAL BUILDING IMPROVEMENTS - PROPERTY MANAGEMENT				-	-	11,987,650	-	-	-	11,987,650
<b>BUILDING IMPROVEMENTS/REPAIRS</b>										
-----	293	BLDG IMPROVEMENTS-BOYS TOTEM TOWN	NOT RATED	-	226,600	-	-	-	-	226,600
-----	297	BLDG IMPROVEMENTS-EXTENSION BARN	NOT RATED	-	63,800	-	-	-	-	63,800
-----	301	BLDG IMPROVEMENTS-FAMILY SERVICE CENTER	NOT RATED	-	57,200	-	-	-	-	57,200
-----	305	BLDG IMPROVEMENTS-LANDMARK CENTER	NOT RATED	-	385,000	-	-	-	-	385,000
-----	309	BLDG IMPROVEMENTS-PARKS	NOT RATED	-	1,467,400	-	-	728,300	50,000	2,245,700
TOTAL BUILDING IMPROVEMENTS/REPAIRS				-	2,200,000	-	-	728,300	50,000	2,978,300
<b>OTHER</b>										
-----	73	BOND ISSUANCE COSTS	NOT RATED	611,204	-	-	-	-	-	611,204
				611,204	-	-	-	-	-	611,204
<b>TOTAL CIP PROJECTS PROPOSED FUNDING FOR 2018 - 2019</b>				<b>20,300,000</b>	<b>2,394,600</b>	<b>14,857,084</b>	<b>16,172,000</b>	<b>26,605,300</b>	<b>47,744,910</b>	<b>128,073,894</b>



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CAPITAL IMPROVEMENT PROJECTS REQUESTED BY DEPARTMENT (2018 - 2023)

SCHEDULE 2  
(Continued)

PRO- JECT NO.	PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	CIPAC RANK	CM RANK	COM- BINED RANK	YEARS						TOTAL ALL YEARS
						2018	2019	2020	2021	2022	2023	
<b>EMERGENCY COMMUNICATIONS</b>												
1	81	REPLACE DISPATCH CENTER UPS				-	200,000	-	-	-	-	200,000
2	83	EMCOM NETWORK UPGRADES				-	-	100,000	-	-	-	100,000
3	85	BACKUP CENTER HVAC REPLACEMENT				-	-	-	100,000	-	-	100,000
4	87	800 MHZ RADIO BASE STATION REPLACEMENT				532,017	532,017	532,017	-	-	-	1,596,051
5	89	CAD REPLACEMENT				800,000	800,000	800,000	800,000	800,000	800,000	4,800,000
		TOTAL EMERGENCY COMMUNICATIONS				1,332,017	1,532,017	1,432,017	900,000	800,000	800,000	6,796,051
<b>HISTORICAL SOCIETY</b>												
6	99	NATIONAL REGISTER & EDUCATION ASSET PRESERVATION				111,279	-	-	-	-	-	111,279
		TOTAL HISTORICAL SOCIETY				111,279	-	-	-	-	-	111,279
<b>LANDMARK CENTER</b>												
7	107	NORTH TOWER MASONRY REPAIR				210,000	210,000	-	-	-	-	420,000
8	109	REPLACE CARPETING				-	-	148,700	-	-	-	148,700
9	111	REPLACE ELECTRIC PANELS				-	-	-	116,000	-	-	116,000
10	113	FIRE SYSTEM UPDATE				-	-	-	-	135,000	135,000	270,000
11	115	UPDATE ENERGY MANAGEMENT SYSTEM				-	-	-	-	-	85,000	85,000
		TOTAL LANDMARK CENTER				210,000	210,000	148,700	116,000	135,000	220,000	1,039,700
<b>LIBRARY</b>												
12	123	FURNITURE REUPHOLSTERY & REPLACEMENT				50,000	50,000	-	-	-	-	100,000
		TOTAL LIBRARY				50,000	50,000	-	-	-	-	100,000
<b>MEDICAL EXAMINER</b>												
13	131	X-RAY MACHINE				349,000	-	-	-	-	-	349,000
14	133	CART REPLACEMENTS				90,101	-	-	-	-	-	90,101
15	135	STORAGE SYSTEM & EQUIPMENT				56,758	-	-	-	-	-	56,758
		TOTAL MEDICAL EXAMINER				495,859	-	-	-	-	-	495,859
<b>PARKS &amp; RECREATION</b>												
16	143	ADA IMPLEMENTATION-COUNTY FACILITIES				200,000	200,000	200,000	200,000	200,000	200,000	1,200,000
17	179	NATURAL RESOURCE HABITAT RESTORATION				100,000	100,000	100,000	100,000	100,000	100,000	600,000
18	183	ISLAND LAKE COUNTY PARK CHANNEL BRIDGE				248,000	-	-	-	-	-	248,000
19	189	KELLER PRACTICE FACILITY				596,555	-	-	-	-	-	596,555
20	195	VADNAIS SPORTS CENTER PARKING LOT IMPROVEMENTS				-	581,523	-	-	-	-	581,523
21	201	BEAVER LAKE COUNTY PARK MASTER PLAN				100,000	-	-	-	-	-	100,000
22	207	SATELLITE MAINTENANCE FACILITY				-	110,000	-	-	-	-	110,000
23	213	POPLAR LAKE COUNTY PARK MASTER PLAN				-	300,000	-	-	-	-	300,000
24	219	REGIONAL PARK & TRAIL CIP/LEGACY				2,635,820	1,292,090	2,841,380	1,423,380	2,841,380	1,423,380	12,457,430
25	225	CAPITAL ASSET MANAGEMENT-ADMIN/MAINTENANCE				-	-	100,000	-	-	-	100,000
26	229	CAPITAL ASSET MANAGEMENT-PARKS				-	-	-	110,000	225,000	300,000	635,000
		TOTAL PARKS & RECREATION				3,880,375	2,583,613	3,241,380	1,833,380	3,366,380	2,023,380	16,928,508

CAPITAL IMPROVEMENT PROJECTS REQUESTED BY DEPARTMENT (2018 - 2023)

SCHEDULE 2  
(Continued)

PRO- JECT NO.	PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	CIPAC RANK	CM RANK	COM- BINED RANK	YEARS					TOTAL ALL YEARS	
						2018	2019	2020	2021	2022		2023
<b>PUBLIC WORKS</b>												
27	239	PUBLIC WORKS FACILITY SPACE PLANNING				100,000	-	-	-	-	-	100,000
28	241	PAVEMENT PRESERVATION				6,800,000	6,800,000	6,800,000	6,800,000	6,800,000	6,800,000	40,800,000
29	243	COUNTY STATE AID HIGHWAY ROAD CONSTRUCTION				31,070,000	35,986,000	26,386,000	53,637,000	-	-	147,079,000
30	245	TRAFFIC SIGNAL UPGRADES				800,000	800,000	800,000	800,000	800,000	800,000	4,800,000
31	247	DRAINAGE SYSTEMS & STRUCTURES				600,000	500,000	600,000	600,000	600,000	600,000	3,500,000
32	249	COMPREHENSIVE BRIDGE MAINTENANCE				600,000	500,000	600,000	600,000	600,000	600,000	3,500,000
33	251	PEDESTRIAN & BIKE FACILITIES				800,000	700,000	800,000	800,000	800,000	800,000	4,700,000
34	253	ADA COMPLIANCE				600,000	500,000	600,000	600,000	600,000	600,000	3,500,000
35	255	ROADWAY APPURTENANCES				700,000	600,000	700,000	700,000	700,000	700,000	4,100,000
36	257	NEW EQUIPMENT				80,000	80,000	80,000	80,000	80,000	80,000	480,000
		TOTAL PUBLIC WORKS				42,150,000	46,466,000	37,366,000	64,617,000	10,980,000	10,980,000	212,559,000
<b>SHERIFF</b>												
37	265	SAFETY & SECURITY ENHANCEMENTS-ADULT DETENTION CTR.				160,000	800,000	-	-	-	-	960,000
38	267	SAFETY & SECURITY ENHANCEMENTS-FIREARMS RANGE				260,000	625,000	-	-	-	-	885,000
		TOTAL SHERIFF				420,000	1,425,000	-	-	-	-	1,845,000
<b>BUILDING IMPROVEMENTS - PROPERTY MGMT</b>												
271		BLDG IMPROVEMENTS - PUBL WKS/PATROL STATION				295,000	429,000	337,000	158,000	3,030,000	676,000	4,925,000
275		BLDG IMPROVEMENTS - LIBRARIES				275,000	169,000	185,000	140,000	60,000	60,000	889,000
279		BLDG IMPROVEMENTS - CH/CH				679,000	811,000	648,000	484,000	920,000	40,000	3,582,000
283		BLDG IMPROVEMENTS - GENERAL BUILDING FUND				3,786,800	3,239,800	3,198,400	1,741,100	1,516,800	1,767,100	15,250,000
		TOTAL BUILDING IMPROVEMENTS				5,035,800	4,648,800	4,368,400	2,523,100	5,526,800	2,543,100	24,646,000
<b>BUILDING IMPROVEMENTS/REPAIRS</b>												
293		BLDG IMPROVEMENTS-BOYS TOTEM TOWN				1,285,400	124,000	530,000	50,000	54,000	27,000	2,070,400
297		BLDG IMPROVEMENTS-EXTENSION BARN				46,800	45,000	14,000	10,000	-	93,000	208,800
301		BLDG IMPROVEMENTS-FAMILY SERVICE CENTER				367,200	110,000	149,000	22,000	168,000	55,000	871,200
305		BLDG IMPROVEMENTS-LANDMARK CENTER				938,000	437,000	151,000	162,000	280,000	351,000	2,319,000
309		BLDG IMPROVEMENTS-PARKS				2,460,430	256,931	468,353	508,994	409,070	504,757	4,608,535
		TOTAL BUILDING IMPROVEMENTS (CCAMPP)				5,097,830	972,931	1,312,353	752,994	911,070	1,030,757	10,077,935

CAPITAL IMPROVEMENT PROJECTS REQUESTED BY DEPARTMENT (2018 - 2023)

SCHEDULE 2  
(Continued)

PRO- JECT NO.	PAGE NO.	DEPARTMENT NAME/PROJECT TITLE	CIPAC RANK	CM RANK	COM- BINED RANK	YEARS						TOTAL ALL YEARS
						2018	2019	2020	2021	2022	2023	
<b>MAJOR PROJECTS</b>												
333		JUVENILE INSTITUTIONS				13,000,000	13,000,000	14,000,000	-	-	-	40,000,000
345		JUVENILE AND FAMILY JUSTICE CENTER REMODEL				810,000	690,000	-	-	-	-	1,500,000
353		JUVENILE AND FAMILY JUSTICE CENTER BUILDING EXPANSION				2,305,667	9,781,667	12,061,666	-	-	-	24,149,000
363		EDUCATION AND COLLECTIONS PRESERVATION FACILITY				132,000	2,590,016	-	-	-	-	2,722,016
377		INTERIOR IMPROVEMENTS TO LANDMARK CENTER				-	-	-	6,300,000	-	-	6,300,000
399		ADMINISTRATIVE BUILDING ASSET PRESERVATION				1,000,000	1,000,000	-	-	-	-	2,000,000
441		ALDRICH ARENA BITUMINOUS & FIRE PROTECTION				1,954,200	-	-	-	-	-	1,954,200
457		GOODRICH GOLF COURSE IRRIGATION & BUNKERS				1,514,000	-	-	-	-	-	1,514,000
473		ARENA REGULATORY COMPLIANCE				1,716,000	2,138,450	-	-	-	-	3,854,450
489		GREEN ICE INITIATIVE				385,000	650,000	-	-	-	-	1,035,000
505		MANITOU RIGE GOLF COURSE IRRIGATION & BUNKERS				-	1,474,000	-	-	-	-	1,474,000
521		BITUMINOUS PAVEMENT MAINTENANCE				-	1,396,485	260,974	105,688	259,512	373,279	2,395,938
569		LAW ENFORCEMENT CENTER SECURITY ACCESS SYSTEM				2,400,000	-	-	-	-	-	2,400,000
577		RADIOS REPLACEMENT				700,000	700,000	700,000	-	-	-	2,100,000
		TOTAL MAJOR PROJECTS				25,916,867	33,420,618	27,022,640	6,405,688	259,512	373,279	93,398,604
<b>TOTAL CAPITAL IMPROVEMENT PROJECTS REQUESTED</b>						<b>84,700,027</b>	<b>91,308,979</b>	<b>74,891,490</b>	<b>77,148,162</b>	<b>21,978,762</b>	<b>17,970,516</b>	<b>367,997,936</b>

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**RAMSEY COUNTY  
CAPITAL IMPROVEMENT PROGRAM 2018 - 2023  
SUMMARY - PROJECTED BONDING AND CAPITAL IMPROVEMENT FUND LEVIES**

**Projected Annual Bonding**

	Regular CIP (A)	Major Projects (B)	Total
2018	\$ 4,000,000	\$ 10,000,000	\$ 14,000,000
2019	\$ 4,000,000	10,000,000	14,000,000
2020	\$ 4,000,000	10,000,000	14,000,000
2021	\$ 4,000,000	10,000,000	14,000,000
2022	\$ 4,000,000	10,000,000	14,000,000
2023	\$ 4,000,000	10,000,000	14,000,000
<b>Total</b>	<b>\$ 24,000,000</b>	<b>\$ 60,000,000</b>	<b>\$ 84,000,000</b>

**Estimated Tax Levies**

		Debt Service Existing	Debt Service - Projected Bond Issues			Reimbursements Fund Balance	Total
		Bond Issues (A)	Regular CIP (B)	Major Projects (C)	Total	Appropriated (D)	Annual Levies
EST.	2018	23,512,180	481,000	735,818	1,216,818	(4,028,998)	20,700,000
EST.	2019	23,010,618	962,000	1,471,636	2,433,636	(4,744,254)	20,700,000
EST.	2020	21,340,358	1,443,000	2,207,454	3,650,454	(2,404,529)	22,586,283
EST.	2021	20,004,180	1,924,000	2,943,272	4,867,272	(2,400,421)	22,471,030
EST.	2022	16,535,606	2,405,000	3,679,090	6,084,090	(2,395,575)	20,224,121
EST.	2023	12,404,095	2,886,000	4,414,908	7,300,908	(2,384,967)	17,320,036

- (A) Includes \$19,965,000 of 2017 General Facilities bond financing. These bonds have not been issued as 7/1/2017.  
 (B) Schedules prepared with \$4,000,000 of County Regular project bond financing each year beginning with 2018.  
 (C) Schedules prepared with \$10,000,000 of County Major project bond financing each year beginning with 2018.  
 (D) \$1,000,000 of fund balance use included annually 2020-2028.

**Ramsey County  
Current and Projected Tax Levies  
County and Suburban**

Budget Year	COUNTY						SUBURBAN				TOTAL
	CURRENT	PROJECTED			Less Interest, Reimbursements Fund Balance Appropriated (D)	Countywide Existing & Projected Tax Levies	CURRENT	PROJECTED	Less Interest Reimbursements Fund Balance Appropriated	Suburban Existing & Projected Tax Levies	Total Existing & Projected Tax Levies
	Current Debt Service Appropriation (A)	Debt Service on Bonds for Regular CIP (B)	Debt Service on Bonds for Major Projects (C)	Total Projected Additional Debt Service			Current Library Debt Service	Debt Service on Bonds for Major Projects (E)			
2018	\$ 23,512,182	\$ 481,000	\$ 735,818	\$ 1,216,818	\$ (4,029,000)	\$ 20,700,000	\$ 3,192,379	\$ -	\$ (518,065)	\$ 2,674,314	23,374,314
2019	23,010,620	962,000	1,471,636	\$ 2,433,636	(4,744,256)	\$ 20,700,000	3,171,105	\$ -	\$ (505,558)	\$ 2,665,548	23,365,548
2020	21,340,358	1,443,000	2,207,454	\$ 3,650,454	(2,404,529)	\$ 22,586,283	3,160,743	\$ -	(492,697)	\$ 2,668,045	25,254,328
2021	20,004,180	1,924,000	2,943,272	\$ 4,867,272	(2,400,421)	\$ 22,471,031	3,155,295	\$ -	(479,304)	\$ 2,675,991	25,147,022
2022	16,535,606	2,405,000	3,679,090	\$ 6,084,090	(2,395,575)	\$ 20,224,121	3,144,813	\$ -	(465,378)	\$ 2,679,435	22,903,556
2023	12,404,095	2,886,000	4,414,908	\$ 7,300,908	(2,384,967)	\$ 17,320,036	3,134,068	\$ -	(451,009)	\$ 2,683,059	20,003,094
2024	11,543,650	3,367,000	5,150,726	\$ 8,517,726	(2,383,647)	\$ 17,677,729	2,453,861	\$ -	(442,292)	\$ 2,011,569	19,689,297
2025	11,150,125	3,848,000	5,886,544	\$ 9,734,544	(2,381,321)	\$ 18,503,348	2,435,551	\$ -	(425,506)	\$ 2,010,045	20,513,393
2026	10,097,010	4,329,000	6,622,362	\$ 10,951,362	(2,377,719)	\$ 18,670,653	2,426,884	\$ -	(408,053)	\$ 2,018,831	20,689,484
2027	8,856,993	4,810,000	7,358,180	\$ 12,168,180	(2,368,024)	\$ 18,657,149	2,415,136	\$ -	(389,836)	\$ 2,025,300	20,682,449
2028	8,312,619	5,291,000	8,093,998	\$ 13,384,998	(2,122,439)	\$ 19,575,178	2,395,431	\$ -	(370,952)	\$ 2,024,479	21,599,658

(A) Includes \$19,965,000 of 2017 General Facilities bond financing. These bonds have not been issued as 7/1/2017.

(B) Schedules prepared with \$4,000,000 of County regular project bond financing each year beginning with 2018.

(C) Schedules prepared with \$10,000,000 of County major project bond financing each year beginning with 2018.

(D) \$1,000,000 of fund balance use included annually 2020-2028.

(E) Schedules prepared with no additional Library project bond financing.

### CURRENT OUTSTANDING NET DEBT

	2016 Actual	2017 Projected	2018 Projected	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	2025 Projected	2026 Projected
Outstanding Net Debt (Existing)	185,100,000	169,790,000	173,285,000	154,770,000	135,205,000	118,370,000	102,100,000	88,545,000	78,595,000	69,780,000	61,005,000
Plus 2017 General Facilities Potential Bond		19,965,000									
<u>Less Principal Retired Each Year</u>											
General County Debt - Principal retired	(13,500,000)	(14,595,000)	(16,565,000)	(17,555,000)	(14,740,000)	(14,075,000)	(11,260,000)	(7,565,000)	(7,005,000)	(6,900,000)	(6,095,000)
Library Debt - Principal retired	(1,810,000)	(1,875,000)	(1,950,000)	(2,010,000)	(2,095,000)	(2,195,000)	(2,295,000)	(2,385,000)	(1,810,000)	(1,875,000)	(1,945,000)
<b>Outstanding Net Debt (budget year-end)</b>	<b>\$ 169,790,000</b>	<b>\$ 173,285,000</b>	<b>\$ 154,770,000</b>	<b>\$ 135,205,000</b>	<b>\$ 118,370,000</b>	<b>\$ 102,100,000</b>	<b>\$ 88,545,000</b>	<b>\$ 78,595,000</b>	<b>\$ 69,780,000</b>	<b>\$ 61,005,000</b>	<b>\$ 52,965,000</b>

Note: Outstanding Net Debt is total outstanding debt less debt supported by pledged revenues.

Debt supported by pledged revenues includes 2001A GO Notes (Pedestrian Tunnel), 2012C State Aid Street Bonds, and 2016A GO Solid Waste Facility Revenue Bonds.



## ANNUAL DEBT SERVICE TAX LEVY

Includes outstanding bonds issued prior to 2018 and bonding proposed for 2018 and 2019

	2016 Actual	2017 Budget	2018 Proposed	2019 Proposed	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	2025 Projected	2026 Projected
General County Debt Service (A)	\$ 40,198,925	\$ 29,059,410	\$ 24,729,000	\$ 25,444,256	\$ 21,340,358	\$ 20,004,180	\$ 16,535,606	\$ 12,404,095	\$ 11,543,650	\$ 11,150,125	\$ 10,097,010
Library Debt Service	3,221,781	3,385,290	3,192,379	3,171,105	3,160,743	3,155,295	3,144,813	3,134,068	2,453,861	2,435,551	2,426,884
<b>Total Debt Service Tax Levy</b>	<b>43,420,706</b>	<b>32,444,700</b>	<b>27,921,379</b>	<b>28,615,361</b>	<b>24,501,100</b>	<b>23,159,475</b>	<b>19,680,419</b>	<b>15,538,163</b>	<b>13,997,511</b>	<b>13,585,676</b>	<b>12,523,894</b>
<b><u>Less Fund Balance &amp; Revenues Available for Appropriation:</u></b>											
Debt Service Fund Balance	627,839	5,405,607	2,311,223	3,039,970	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Library Debt Service Fund Balance	126,647	42,698	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
CIP Refunding Series 2016C (A)	17,931,786										
Nursing Home Revenues	111,255	111,255	95,010	95,010	95,010	95,010	95,010	95,010	95,010	95,010	95,010
Mounds View ISD Lease Payments - Library	125,700	380,262	251,400	251,400	251,400	251,400	251,400	251,400	251,400	251,400	251,400
IRS Credit on BABs - County	29,909	52,990	45,770	38,080	37,823	34,515	31,019	27,361	23,441	19,215	14,700
IRS Credit on BABs - Library	190,832	178,728	166,665	154,158	141,297	127,904	113,978	99,609	90,892	74,106	56,653
Lake Owasso Per Diem revenues	324,500	324,500	300,250	299,250							
County State Aid Revenues	238,758	260,058	255,858	251,657	252,457	253,157	248,757	244,357	244,958	245,458	245,570
Resource Recovery	234,878	2,205,000	1,020,889	1,020,289	1,019,239	1,017,739	1,020,789	1,018,239	1,020,239	1,021,639	1,022,439
<b>Total Fund Balance &amp; Revenues</b>	<b>19,942,104</b>	<b>8,961,098</b>	<b>4,547,065</b>	<b>5,249,814</b>	<b>2,897,226</b>	<b>2,879,725</b>	<b>2,860,952</b>	<b>2,835,976</b>	<b>2,825,940</b>	<b>2,806,828</b>	<b>2,785,771</b>
<b><u>Net Tax Levy</u></b>											
General County	20,700,000	20,700,000	20,700,000	20,700,000	18,935,829	17,603,759	14,140,032	10,019,128	9,160,002	8,768,804	7,719,291
Library	2,778,602	2,783,602	2,674,314	2,665,548	2,668,045	2,675,991	2,679,435	2,683,059	2,011,569	2,010,045	2,018,831
<b>Net Tax Levy</b>	<b>\$ 23,478,602</b>	<b>\$ 23,483,602</b>	<b>\$ 23,374,314</b>	<b>\$ 23,365,548</b>	<b>\$ 21,603,875</b>	<b>\$ 20,279,750</b>	<b>\$ 16,819,466</b>	<b>\$ 12,702,187</b>	<b>\$ 11,171,571</b>	<b>\$ 10,778,849</b>	<b>\$ 9,738,122</b>

(A) \$17,931,786 of bond proceeds from advance refunding issue 2016C shown as both expenditure and revenue.

**CURRENT NET DEBT AS PERCENTAGE OF ESTIMATED MARKET VALUE**

	2016 Actual	2017 Projected	2018 Projected	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	2025 Projected	2026 Projected
Outstanding Current Net Debt	\$ 169,790,000	\$ 173,285,000	\$ 154,770,000	\$ 135,205,000	\$ 118,370,000	\$ 102,100,000	\$ 88,545,000	\$ 78,595,000	\$ 69,780,000	\$ 61,005,000	\$ 52,965,000
Ramsey County Estimated Market Value (A)	\$43,807,052,300	\$46,585,787,600	\$47,983,361,228	\$49,422,862,065	\$50,905,547,927	\$52,432,714,365	\$54,005,695,796	\$55,625,866,670	\$57,294,642,670	\$59,013,481,950	\$60,783,886,409
<b>Outstanding Current Net Debt as Percent of Estimated Market Value</b>	<b>0.388%</b>	<b>0.372%</b>	<b>0.323%</b>	<b>0.274%</b>	<b>0.233%</b>	<b>0.195%</b>	<b>0.164%</b>	<b>0.141%</b>	<b>0.122%</b>	<b>0.103%</b>	<b>0.087%</b>

**State Statute:** 2016 MN. Statutes, Section 475.53, Sub. 1 states "no municipality shall incur or be subject to a net debt in excess of three percent of the Estimated Market Value of taxable property in the municipality."

**County Policy:** County net debt should not rise above the low debt burden level of three percent of Estimated Market Value.

**Rating Agency Evaluation:** Standard and Poor's considers Net Debt as Percentage of Estimated Market Value of less than 3% as a positive factor. Moody's considers this measurement Strong if less than 1.75% and Very Strong if less than .75%.

(A) Estimated Market Value figures for 2016 and 2017 come from the Ramsey County Assessor's office. 2018 and later is projected with 3% annual increase.

**CURRENT ANNUAL DEBT SERVICE AS PERCENTAGE OF BUDGET**

	2016 Actual	2017 Budgeted	2018 Projected	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	2025 Projected	2026 Projected
Net County Budget - General Operations (B)	\$619,862,880	\$638,869,814	\$651,647,210	\$664,680,154	\$677,973,757	\$691,533,232	\$705,363,897	\$719,471,175	\$733,860,599	\$748,537,811	\$763,508,567
Debt Service Budget (C)	25,198,120	32,444,700	27,921,379	28,615,361	24,501,100	23,159,475	19,680,419	15,538,163	13,997,511	13,585,676	12,523,894
Total General Operations plus Debt Service	\$645,061,000	\$671,314,514	\$679,568,589	\$693,295,515	\$702,474,857	\$714,692,707	\$725,044,316	\$735,009,338	\$747,858,110	\$762,123,487	\$776,032,461
Annual Debt Service on Current Debt	\$25,198,120	\$32,444,700	\$27,921,379	\$28,615,361	\$24,501,100	\$23,159,475	\$19,680,419	\$15,538,163	\$13,997,511	\$13,585,676	\$12,523,894
<b>Debt Service as Percent of Budget</b>	<b>3.910%</b>	<b>4.830%</b>	<b>4.110%</b>	<b>4.130%</b>	<b>3.490%</b>	<b>3.240%</b>	<b>2.710%</b>	<b>2.110%</b>	<b>1.870%</b>	<b>1.780%</b>	<b>1.610%</b>

**County Policy:** Annual Debt Service as a Percentage of Budget shall not rise above 8%.

**Rating Agency Evaluation:** Standard and Poor's classifies the County's debt profile as Very Strong. To achieve this classification, Debt Service as a Percentage of Budget should be less than 8%. Moody's classifies the County's debt profile as conservative and manageable, but is not currently including Debt Service as a Percentage of Budget as a quantifying factor in their methodology.

(B) Net County Budget - General Operations figures for 2018 and later are projected with 2% annual increase.

(C) 2016 Debt Service budget reduced by \$17,931,876 to remove effect of 2016C refunding bond expenditures.

## POTENTIAL FUTURE CAPITAL IMPROVEMENT PROJECTS

NOTE: THIS SCHEDULE IS FOR PROJECTION PURPOSES ONLY

	Project Amount	Bond Issue Size (A)	Annual Debt Service	Increase in Debt as a Percent of Market Value (B)	Increase in Debt Service as Percent of Budget (B)
<b>REGULAR CIP PROJECTS</b>					
2018 Capital Improvement Program	3,950,000	4,000,000	481,000	0.009%	0.07%
2019 Capital Improvement Program	3,950,000	4,000,000	481,000	0.009%	0.07%
2020 Capital Improvement Program	3,950,000	4,000,000	481,000	0.009%	0.07%
2021 Capital Improvement Program	3,950,000	4,000,000	481,000	0.009%	0.07%
2022 Capital Improvement Program	3,950,000	4,000,000	481,000	0.009%	0.07%
2023 Capital Improvement Program	3,950,000	4,000,000	481,000	0.009%	0.07%
2024 Capital Improvement Program	3,950,000	4,000,000	481,000	0.009%	0.07%
2025 Capital Improvement Program	3,950,000	4,000,000	481,000	0.009%	0.07%
2026 Capital Improvement Program	3,950,000	4,000,000	481,000	0.009%	0.07%
<b>Total Future Regular CIP Projects</b>	<b>\$35,550,000</b>	<b>\$36,000,000</b>	<b>\$4,329,000</b>	<b>0.081%</b>	<b>0.63%</b>
<b>UNDESIGNATED AND MAJOR CIP PROJECTS</b>					
2018 Capital Improvement Program	\$9,800,000	10,000,000	735,818	0.023%	0.11% #
2019 Capital Improvement Program	\$9,800,000	10,000,000	735,818	0.023%	0.11% #
2020 Capital Improvement Program	\$9,800,000	10,000,000	735,818	0.023%	0.11%
2021 Capital Improvement Program	\$9,800,000	10,000,000	735,818	0.023%	0.11% #
2022 Capital Improvement Program	\$9,800,000	10,000,000	735,818	0.023%	0.11%
2023 Capital Improvement Program	\$9,800,000	10,000,000	735,818	0.023%	0.11% #
2024 Capital Improvement Program	\$9,800,000	10,000,000	735,818	0.023%	0.11% #
2025 Capital Improvement Program	\$9,800,000	10,000,000	735,818	0.023%	0.11% #
2026 Capital Improvement Program	\$9,800,000	10,000,000	735,818	0.023%	0.11% #
<b>Total Future Major CIP Projects</b>	<b>\$88,200,000</b>	<b>\$90,000,000</b>	<b>\$6,622,362</b>	<b>0.207%</b>	<b>0.99% #</b>
<b>TOTAL ALL PROJECTS</b>	<b>\$123,750,000</b>	<b>\$126,000,000</b>	<b>\$10,951,362</b>	<b>0.288%</b>	<b>1.62%</b>

**(A) Bond Issuance Assumptions:**

Regular CIP Projects - \$4,000,000 of 10 year bonds @ 3.5% annually; Major Projects - \$10,000,000 of 20 year bonds @ 4.00% annually. Includes estimates for issuance costs.

**(B) Other Assumptions:**

2016 Market Value - \$43,807,052,300 ; 2016 Budget - \$645,061,000

## WORKSHEET - IMPACT OF FUTURE CIP PROJECTS ON PROJECTED DEBT OUTSTANDING

NOTE: THIS SCHEDULE IS FOR PROJECTION PURPOSES ONLY

	2016 Actual	2017 Projected	2018 Projected	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	2025 Projected	2026 Projected
<b>Current County Net Debt</b>	\$ 169,790,000	\$ 173,285,000	\$ 154,770,000	\$ 135,205,000	\$ 118,370,000	\$ 102,100,000	\$ 88,545,000	\$ 78,595,000	\$ 69,780,000	\$ 61,005,000	\$ 52,965,000
<b>POTENTIAL FUTURE BOND ISSUES</b>											
<b>REGULAR CIP PROJECTS</b>											
2018 Capital Improvement Program			4,000,000	3,600,000	3,200,000	2,800,000	2,400,000	2,000,000	1,600,000	1,200,000	800,000
2019 Capital Improvement Program				4,000,000	3,600,000	3,200,000	2,800,000	2,400,000	2,000,000	1,600,000	1,200,000
2020 Capital Improvement Program					4,000,000	3,600,000	3,200,000	2,800,000	2,400,000	2,000,000	1,600,000
2021 Capital Improvement Program						4,000,000	3,600,000	3,200,000	2,800,000	2,400,000	2,000,000
2022 Capital Improvement Program							4,000,000	3,600,000	3,200,000	2,800,000	2,400,000
2023 Capital Improvement Program								4,000,000	3,600,000	3,200,000	2,800,000
2024 Capital Improvement Program									4,000,000	3,600,000	3,200,000
2025 Capital Improvement Program										4,000,000	3,600,000
2026 Capital Improvement Program											4,000,000
<b>Total Future Regular CIP Projects</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,000,000</b>	<b>\$ 7,600,000</b>	<b>\$ 10,800,000</b>	<b>\$ 13,600,000</b>	<b>\$ 16,000,000</b>	<b>\$ 18,000,000</b>	<b>\$ 19,600,000</b>	<b>\$ 20,800,000</b>	<b>\$ 21,600,000</b>
<b>UNDESIGNATED AND MAJOR CIP PROJECTS</b>											
2018 Capital Improvement Program			10,000,000	9,500,000	9,000,000	8,500,000	8,000,000	7,500,000	7,000,000	6,500,000	6,000,000
2019 Capital Improvement Program				10,000,000	9,500,000	9,000,000	8,500,000	8,000,000	7,500,000	7,000,000	6,500,000
2020 Capital Improvement Program					10,000,000	9,500,000	9,000,000	8,500,000	8,000,000	7,500,000	7,000,000
2021 Capital Improvement Program						10,000,000	9,500,000	9,000,000	8,500,000	8,000,000	7,500,000
2022 Capital Improvement Program							10,000,000	9,500,000	9,000,000	8,500,000	8,000,000
2023 Capital Improvement Program								10,000,000	9,500,000	9,000,000	8,500,000
2024 Capital Improvement Program									10,000,000	9,500,000	9,000,000
2025 Capital Improvement Program										10,000,000	9,500,000
2026 Capital Improvement Program											10,000,000
<b>Total Future Major CIP Projects</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000,000</b>	<b>\$ 19,500,000</b>	<b>\$ 28,500,000</b>	<b>\$ 37,000,000</b>	<b>\$ 45,000,000</b>	<b>\$ 52,500,000</b>	<b>\$ 59,500,000</b>	<b>\$ 66,000,000</b>	<b>\$ 72,000,000</b>
<b>TOTAL PROJECTED OUTSTANDING DEBT</b>	<b>\$ 169,790,000</b>	<b>\$ 173,285,000</b>	<b>\$ 168,770,000</b>	<b>\$ 162,305,000</b>	<b>\$ 157,670,000</b>	<b>\$ 152,700,000</b>	<b>\$ 149,545,000</b>	<b>\$ 149,095,000</b>	<b>\$ 148,880,000</b>	<b>\$ 147,805,000</b>	<b>\$ 146,565,000</b>

## WORKSHEET - IMPACT OF FUTURE CIP PROJECTS ON PROJECTED DEBT SERVICE TAX LEVY

NOTE: THIS SCHEDULE IS FOR PROJECTION PURPOSES ONLY

	2016 Actual	2017 Projected	2018 Projected	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	2025 Projected	2026 Projected
<b>Current Estimated Debt Service Tax Levy</b>	<b>\$23,478,602</b>	<b>\$23,483,602</b>	<b>\$23,374,314</b>	<b>\$23,365,548</b>	<b>\$21,603,875</b>	<b>\$20,279,750</b>	<b>\$16,819,466</b>	<b>\$12,702,187</b>	<b>\$11,171,571</b>	<b>\$10,778,849</b>	<b>\$9,738,122</b>
<b>POTENTIAL FUTURE BOND ISSUES</b>											
<b>REGULAR CIP PROJECTS</b>											
2018 Capital Improvement Program					481,000	481,000	481,000	481,000	481,000	481,000	481,000
2019 Capital Improvement Program					481,000	481,000	481,000	481,000	481,000	481,000	481,000
2020 Capital Improvement Program					481,000	481,000	481,000	481,000	481,000	481,000	481,000
2021 Capital Improvement Program						481,000	481,000	481,000	481,000	481,000	481,000
2022 Capital Improvement Program							481,000	481,000	481,000	481,000	481,000
2023 Capital Improvement Program								481,000	481,000	481,000	481,000
2024 Capital Improvement Program									481,000	481,000	481,000
2025 Capital Improvement Program										481,000	481,000
2026 Capital Improvement Program											481,000
<b>Total Future Regular CIP Projects</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,443,000</b>	<b>\$ 1,924,000</b>	<b>\$ 2,405,000</b>	<b>\$ 2,886,000</b>	<b>\$ 3,367,000</b>	<b>\$ 3,848,000</b>	<b>\$ 4,329,000</b>
<b>UNDESIGNATED AND MAJOR CIP PROJECTS</b>											
2018 Capital Improvement Program					735,818	735,818	735,818	735,818	735,818	735,818	735,818
2019 Capital Improvement Program					735,818	735,818	735,818	735,818	735,818	735,818	735,818
2020 Capital Improvement Program					735,818	735,818	735,818	735,818	735,818	735,818	735,818
2021 Capital Improvement Program						735,818	735,818	735,818	735,818	735,818	735,818
2022 Capital Improvement Program							735,818	735,818	735,818	735,818	735,818
2023 Capital Improvement Program								735,818	735,818	735,818	735,818
2024 Capital Improvement Program									735,818	735,818	735,818
2025 Capital Improvement Program										735,818	735,818
2026 Capital Improvement Program											735,818
<b>Total Future Major CIP Projects</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,207,454</b>	<b>2,943,272</b>	<b>3,679,090</b>	<b>4,414,908</b>	<b>5,150,726</b>	<b>5,886,544</b>	<b>6,622,362</b>
<b>TOTAL PROJECTED TAX LEVY</b>	<b>\$ 23,478,602</b>	<b>\$ 23,483,602</b>	<b>\$ 23,374,314</b>	<b>\$ 23,365,548</b>	<b>\$ 25,254,329</b>	<b>\$ 25,147,022</b>	<b>\$ 22,903,556</b>	<b>\$ 20,003,095</b>	<b>\$ 19,689,297</b>	<b>\$ 20,513,393</b>	<b>\$ 20,689,484</b>

## WORKSHEET - IMPACT OF FUTURE CIP PROJECTS ON NET DEBT AS PERCENTAGE OF ESTIMATED MARKET VALUE

NOTE: THIS SCHEDULE IS FOR PROJECTION PURPOSES ONLY

	2016 Actual	2017 Projected	2018 Projected	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	2025 Projected	2026 Projected
<b>Outstanding Net Debt as % of Estimated Market Value</b>	<b>0.388%</b>	<b>0.372%</b>	<b>0.323%</b>	<b>0.274%</b>	<b>0.233%</b>	<b>0.195%</b>	<b>0.164%</b>	<b>0.141%</b>	<b>0.122%</b>	<b>0.103%</b>	<b>0.087%</b>
<b>POTENTIAL FUTURE BOND ISSUES</b>											
<b>REGULAR CIP PROJECTS</b>											
2018 Capital Improvement Program			0.009%	0.009%	0.009%	0.009%	0.009%	0.009%	0.009%	0.009%	0.009%
2019 Capital Improvement Program				0.009%	0.009%	0.009%	0.009%	0.009%	0.009%	0.009%	0.009%
2020 Capital Improvement Program					0.009%	0.009%	0.009%	0.009%	0.009%	0.009%	0.009%
2021 Capital Improvement Program						0.009%	0.009%	0.009%	0.009%	0.009%	0.009%
2022 Capital Improvement Program							0.009%	0.009%	0.009%	0.009%	0.009%
2023 Capital Improvement Program								0.009%	0.009%	0.009%	0.009%
2024 Capital Improvement Program									0.009%	0.009%	0.009%
2025 Capital Improvement Program										0.009%	0.009%
2026 Capital Improvement Program											0.009%
<b>Total Future Regular CIP Projects</b>		<b>0.000%</b>	<b>0.009%</b>	<b>0.018%</b>	<b>0.027%</b>	<b>0.036%</b>	<b>0.045%</b>	<b>0.054%</b>	<b>0.063%</b>	<b>0.072%</b>	<b>0.081%</b>
<b>UNDESIGNATED AND MAJOR CIP PROJECTS</b>											
2018 Capital Improvement Program			0.023%	0.023%	0.023%	0.023%	0.023%	0.023%	0.023%	0.023%	0.023%
2019 Capital Improvement Program				0.023%	0.023%	0.023%	0.023%	0.023%	0.023%	0.023%	0.023%
2020 Capital Improvement Program					0.023%	0.023%	0.023%	0.023%	0.023%	0.023%	0.023%
2021 Capital Improvement Program						0.023%	0.023%	0.023%	0.023%	0.023%	0.023%
2022 Capital Improvement Program							0.023%	0.023%	0.023%	0.023%	0.023%
2023 Capital Improvement Program								0.023%	0.023%	0.023%	0.023%
2024 Capital Improvement Program									0.023%	0.023%	0.023%
2025 Capital Improvement Program										0.023%	0.023%
2026 Capital Improvement Program											0.023%
<b>Total Future Major CIP Projects</b>		<b>0.000%</b>	<b>0.023%</b>	<b>0.046%</b>	<b>0.069%</b>	<b>0.092%</b>	<b>0.115%</b>	<b>0.138%</b>	<b>0.161%</b>	<b>0.184%</b>	<b>0.207%</b>
<b>TOTAL NET DEBT AS % OF ESTIMATED MARKET VALUE (A)</b>	<b>0.388%</b>	<b>0.372%</b>	<b>0.355%</b>	<b>0.338%</b>	<b>0.329%</b>	<b>0.323%</b>	<b>0.324%</b>	<b>0.333%</b>	<b>0.346%</b>	<b>0.359%</b>	<b>0.375%</b>

(A) Projection uses a 3% annual increase in market value from 2017 to 2026.

## WORKSHEET - IMPACT OF FUTURE CIP PROJECTS ON DEBT SERVICE AS PERCENT OF BUDGET

NOTE: THIS SCHEDULE IS FOR PROJECTION PURPOSES ONLY

	2016 Actual	2017 Projected	2018 Projected	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	2025 Projected	2026 Projected
<b>Current Debt Service as % of Budget</b>	<b>3.91%</b>	<b>4.83%</b>	<b>4.11%</b>	<b>4.13%</b>	<b>3.49%</b>	<b>3.24%</b>	<b>2.71%</b>	<b>2.11%</b>	<b>1.87%</b>	<b>1.78%</b>	<b>1.61%</b>
<b>POTENTIAL FUTURE BOND ISSUES</b>											
<b>REGULAR CIP PROJECTS</b>											
2018 Capital Improvement Program					0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
2019 Capital Improvement Program					0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
2020 Capital Improvement Program					0.07%	0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
2021 Capital Improvement Program						0.07%	0.07%	0.07%	0.07%	0.07%	0.07%
2022 Capital Improvement Program							0.07%	0.07%	0.07%	0.07%	0.07%
2023 Capital Improvement Program								0.07%	0.07%	0.07%	0.07%
2024 Capital Improvement Program									0.07%	0.07%	0.07%
2025 Capital Improvement Program										0.07%	0.07%
2026 Capital Improvement Program											0.07%
<b>Total Future Regular CIP Projects</b>		<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.21%</b>	<b>0.28%</b>	<b>0.35%</b>	<b>0.42%</b>	<b>0.49%</b>	<b>0.56%</b>	<b>0.63%</b>
<b>UNDESIGNATED AND MAJOR CIP PROJECTS</b>											
2018 Capital Improvement Program					0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%
2019 Capital Improvement Program					0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%
2020 Capital Improvement Program					0.11%	0.11%	0.11%	0.11%	0.11%	0.11%	0.11%
2021 Capital Improvement Program						0.11%	0.11%	0.11%	0.11%	0.11%	0.11%
2022 Capital Improvement Program							0.11%	0.11%	0.11%	0.11%	0.11%
2023 Capital Improvement Program								0.11%	0.11%	0.11%	0.11%
2024 Capital Improvement Program									0.11%	0.11%	0.11%
2025 Capital Improvement Program										0.11%	0.11%
2026 Capital Improvement Program											0.11%
<b>Total Future Major CIP Projects</b>		<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.33%</b>	<b>0.44%</b>	<b>0.55%</b>	<b>0.66%</b>	<b>0.77%</b>	<b>0.88%</b>	<b>0.99%</b>
<b>TOTAL DEBT SERVICE AS % OF BUDGET (A)</b>	<b>3.91%</b>	<b>4.83%</b>	<b>4.11%</b>	<b>4.13%</b>	<b>4.03%</b>	<b>3.96%</b>	<b>3.61%</b>	<b>3.19%</b>	<b>3.13%</b>	<b>3.22%</b>	<b>3.23%</b>

(A) Annual Projected increase in Net Budget for General Operations is 2.0%, based on past historical increases.

## SUMMARY - IMPACTS OF FUTURE CIP PROJECTS ON DEBT INDICATORS

	2016 Actual	2017 Projected	2018 Projected	2019 Projected	2020 Projected	2021 Projected	2022 Projected	2023 Projected	2024 Projected	2025 Projected	2026 Projected
<b>TOTAL NET DEBT AS PERCENT OF ESTIMATED MARKET VALUE</b>	<b>0.388%</b>	<b>0.372%</b>	<b>0.355%</b>	<b>0.338%</b>	<b>0.329%</b>	<b>0.323%</b>	<b>0.324%</b>	<b>0.333%</b>	<b>0.346%</b>	<b>0.359%</b>	<b>0.375%</b>

**State Statute:** 2016 MN. Statutes, Section 475.53, Sub. 1 states "no municipality shall incur or be subject to a net debt in excess of three percent of the estimated market value of taxable property in the municipality."

**County Policy:** County net debt should not rise above the low debt burden level of three percent of estimated market value.

**Rating Agency Evaluation:** Standard and Poor's considers Net Debt as Percentage of Estimated Market Value of less than 3% as a positive factor. Moody's considers this measurement Strong if less than 1.75% and Very Strong if less than .75%.

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<b>TOTAL DEBT SERVICE AS PERCENT OF BUDGET</b>	<b>3.91%</b>	<b>4.83%</b>	<b>4.11%</b>	<b>4.13%</b>	<b>4.03%</b>	<b>3.96%</b>	<b>3.61%</b>	<b>3.19%</b>	<b>3.13%</b>	<b>3.22%</b>	<b>3.23%</b>
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**County Policy:** Annual Debt Service as a Percentage of Budget shall not rise above 8%.

**Rating Agency Evaluation:** Standard and Poor's classifies Ramsey County's debt profile as Very Strong. To achieve this classification, Debt Service as a Percentage of Budget should be less than 8%. Moody's classifies the County's debt profile as conservative and manageable, but is not currently including Debt Service as a Percentage of Budget as a quantifying factor in their methodology. Moody's previous methodology considered 0-5% as Low.



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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

**Dept Name & Code #** Finance Department - 210380

<b>FUNDING SOURCE</b>	<b>Total All Years</b>	<b>ESTIMATED FUNDING</b>					
		<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
County Funds	611,204	287,662	323,542	-	-	-	-
Federal Funds	-	-	-	-	-	-	-
State Funds	-	-	-	-	-	-	-
Other (Specify)	-	-	-	-	-	-	-
<b>TOTALS (Must agree with Summary by Project)</b>	<b>611,204</b>	<b>287,662</b>	<b>323,542</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

**Dept Name & Code #** Finance Department - 210380

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
	Bond Issuance Costs	611,204	287,662	323,542	-	-	-	-
<b>TOTALS (Last Page Only)</b>		611,204	287,662	323,542	-	-	-	-

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANK** NR

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)  
Or ROUTINE  
(Maintenance)

**Yes**

**No**

X

—

**Code #:** Finance Department - 210380

**Item:** Bond Issuance Costs

—

X

**Account:** 441201\_\_\_ 441212\_\_\_  
441202\_\_\_ OTHER 421109

**Dept Priority Number:** \_\_\_\_\_

CIPAC Rating Not Rated

CM Rating Not Rated

**PROJECT DESCRIPTION:**

To provide funds for estimated costs incurred in issuing general obligation bonds. These costs include bond rating fees, bond counsel services, financial advisor services, underwriter discount, and document printing. Any funds not needed for issuance costs will be transferred to a Contingent Account for the Capital Improvement Program.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 611,204	\$ 287,662	\$ 323,542	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 611,204</b>	<b>\$ 287,662</b>	<b>\$ 323,542</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Finance Department

**Date of Estimate:** Feb-11

**NARRATIVE JUSTIFICATION:**

The appropriation is needed in order to pay for financial advisor, underwriter discount, bond counsel services and costs of two bond ratings that are incurred in issuing bonds. Estimated costs are for the Regular Projects bond issuance and for the Major Projects bond issuance.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	—	—	7. Provide Public Service	—	—
3 & 4. Replace Facility or Maintain Physical Property	—	—	8. Provide Public Convenience	—	—
5. Reduce Operating Costs	—	—	9. Enhance County Image	—	—
6. Protect Property	—	—			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only) \_\_\_\_\_

**Department Name &**

**Code #:** Finance - 210380

**Project Title or**

**Item:** Bond Issuance Costs

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes \_\_\_      No \_\_\_      When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes \_\_\_      No \_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** \_\_\_\_\_

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

Not applicable.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing the bond issuance costs of \$287,662 in 2018 and \$323,542 in 2019 from bond proceeds.

# Department Summary

Scott Williams, Director

388 13th Street, Saint Paul, MN



Emergency Communications

## VISION

A vibrant community where all are valued and thrive.

## MISSION

**A county of excellence working with you to enhance our quality of life.**

## DEPARTMENT OVERVIEW

The Department strives to provide outstanding emergency communications services to our communities and first responders in a manner that, from the customer's experience, is a seamless continuum of public safety service between county, city, and state resources. This requires close collaboration and cooperation on operational and technical issues with our 18 public safety police, fire, and emergency medical partner agencies. Our 24/7/365 public safety call center handles over one million telephone calls per year and is the largest in the state. Serving approximately 9.5 percent of the State's population, the Department receives 11 percent of the 9-1-1 calls in the State. The Department also manages and maintains critical public safety communications and related technology systems, including the county's public safety radio system, the 9-1-1 telephone system, the computer aided dispatch/mobiles system, and the emergency mass notification system, among others. The Department is a leader in metropolitan and statewide public safety collaboration.

Immediate challenges facing the Department include implementation, with the State, of new text-to-911 technology. Text-to-911 will expand our channels of communication with the deaf and hard of hearing and with others in situations where texting may be the safest way to communicate. Future capability to carry photo and video communications may enhance situational awareness, but may also create an information overload, requiring a redefinition of the 9-1-1 operator's workload, responsibility, and training requirements.

As our entry-level employment positions at the Department do not require a college degree, they have often provided our successful employees an entrée to positions in other county departments. Currently, openings due to separations, county transfers, and promotions must be filled in an increasingly tight metropolitan labor market. Creative recruitment efforts will be required to sustain staffing levels, recruit talent with second language ability, and staff to reflect the community we serve.

# Department Summary

Scott Williams, Director

388 13th Street, Saint Paul, MN



## Emergency Communications

### PROGRAMS / SERVICES

- Answer 9-1-1 and non-emergency telephone calls arriving at the Ramsey County Emergency Communications Center.
- Provide multi-agency dispatching services for law enforcement, fire, and emergency medical responders in the County.
- Operate and maintain the county's 800 MHz interoperable radio system and support over 4,700 mobile and portable 800 MHz radio users.
- Manage sophisticated public safety technology systems, including the computer aided dispatch and mobile system, the 9-1-1 telephone system, fire station alerting, the emergency mass notification system.

### GOALS & STRATEGIES

#### **Strengthen individual, family and community health, safety and well-being.**

- Our emergency communications services help protect all people in the county, of all cultures, races, ages, abilities and income levels, from injury and property loss by enabling an effective and seamless continuum of public safety services of closely coordinated county, city, and state resources to help build healthier, safer and more sustainable communities.

#### **Cultivate economic prosperity and invest in neighborhoods with concentrated financial poverty.**

- Engage residents from all neighborhoods, races, classes, and cultures to build trust and familiarity with our public safety services and inform them of our employment opportunities.

#### **Enhance access to opportunity and mobility for all residents and businesses.**

- Focus on talent attraction, retention, and promotion so that Ramsey County is viewed by talented employees across races, classes and cultures as a welcoming place where they can contribute and thrive.

#### **Model forward-thinking investment, fiscal accountability and transparency.**

- Our sustainable funding for capital equipment is shaped by community input to fit investment to technology advancements and requirements, while sustaining service levels that meet community standards.
- Our levels of service are defined through collaborative governance with the cities and agencies we serve, who share responsibility to maintain, coordinate, and finance upgrades to public safety infrastructure as service level requirements, operational strategies, and technological capabilities evolve.

# Department Summary

Scott Williams, Director

388 13th Street, Saint Paul, MN

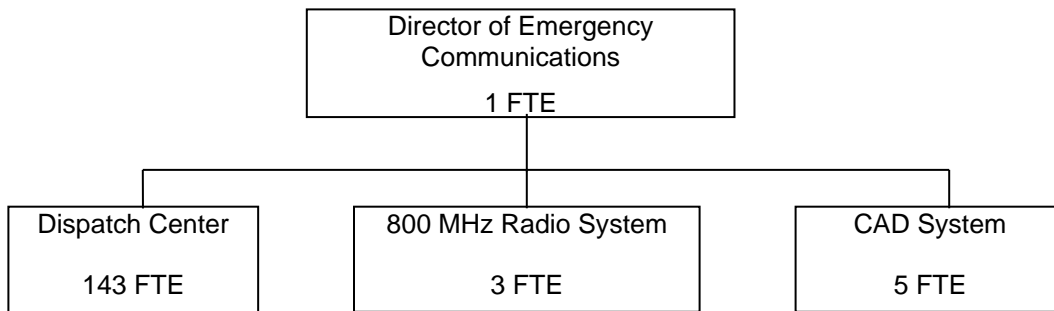


## Emergency Communications

### 2017 ORGANIZATION CHART

#### Personnel - FTE

2016 Budget	-	152
2017 Budget	-	152
2018 Proposed	-	150
2019 Proposed	-	150





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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

**Dept Name & Code #** Emergency Communications (EMCOM) 490101

<b>FUNDING SOURCE</b>	<b>Total All Years</b>	<b>ESTIMATED FUNDING</b>					
		<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	-	-	-	-	-	-	-
State Funds	-	-	-	-	-	-	-
Other (Dept Fund Balance)	6,504,151	1,234,717	1,434,717	1,334,717	900,000	800,000	800,000
Other (Operating Budget)	291,900	97,300	97,300	97,300	-	-	-
<b>TOTALS (Must agree with Summary by Project)</b>	<b>\$ 6,796,051</b>	<b>\$ 1,332,017</b>	<b>\$ 1,532,017</b>	<b>\$ 1,432,017</b>	<b>\$ 900,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

**Dept Name & Code #** Emergency Communications (EMCOM) 490101

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
1	Replace Dispatch Center UPS	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ -
2	EMCOM Network Upgrades	100,000	-	-	100,000	-	-	-
3	HVAC System Replacement	100,000	-	-	-	100,000	-	-
4	800MHz Radio Base Station Replacement	1,596,051	532,017	532,017	532,017	-	-	-
5	CAD Replacement	4,800,000	800,000	800,000	800,000	800,000	800,000	800,000
<b>TOTALS (Last Page Only)</b>		\$ 6,796,051	\$ 1,332,017	\$ 1,532,017	\$ 1,432,017	\$ 900,000	\$ 800,000	\$ 800,000

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** **NR**

**Department Name &** Emergency Communications

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** (EMCOM) 490101

**Item:** Replace Dispatch Center UPS

Or ROUTINE  
(Maintenance)

\_\_\_

\_\_\_

X

\_\_\_

**Account:** 441201 X 441212 \_\_\_

**Dept Priority**

441202 \_\_\_ OTHER \_\_\_

**Number:**

1

CM Ranking Not Ranked

CIPAC Ranking Not Ranked

**PROJECT DESCRIPTION:**

Replacement of the Uninterruptable Power Supply (UPS) at the Emergency Communications Center (ECC). The UPS provides power to the Emergency Communications Center for up to an hour should utility power be temporarily interrupted and/or the backup power generator fails. Operating standards for equipment at the ECC require 99.999% of "up time," or a failure rate of only a few minutes per year.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Dept Fund Balance):	\$ 200,000	-	200,000	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ 200,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Based upon original cost of current equipment.

**Date of Estimate:** Jul-06

**NARRATIVE JUSTIFICATION:**

The UPS batteries are required to sustain emergency communications operations should electrical power be lost for any reason. The UPS was installed in 2007 at the Emergency Communications Center and are not expected to last beyond ten years. No alternatives have been considered.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	___	<u>X</u>	9. Enhance County Image	___	<u>X</u>
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &** Emergency Communications

**Project Title or**

**Code #:** (EMCOM) 490101

**Item:** Replace Dispatch Center UPS

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Should the UPS fail upon a power surge or outage, operations at the Emergency Communications Center would cease, interrupting public safety operations throughout the County.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?    Yes\_\_\_    No\_     When? \_\_\_\_\_  
If project was funded, are carryover funds available?    Yes\_\_\_    No\_\_\_  
Year(s) and amounts budgeted and expended    Year(s) \_\_\_\_\_    Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Maintenance and other costs would be similar to the existing preventive maintenance program.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

N/A

**Estimated Useful Life:**    10 years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rate this project for funding.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project for \$200,000 in 2019 using Emergency Communications fund balance.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** **NR**

**Department Name &** Emergency Communications

**Project Title or**

NON-ROUTINE  
(New/Renovation) \_\_\_\_\_  
Or ROUTINE  
(Maintenance) X \_\_\_\_\_

**Yes** **No**

**Code #:** (EMCOM) 490101

**Item:** EMCOM Network Upgrades

**Account:** 441201 x 441212 \_\_\_\_\_  
441202 \_\_\_\_\_ OTHER \_\_\_\_\_

**Dept Priority**  
**Number:** 2

CM Ranking Not Ranked CIPAC Ranking Not Ranked

**PROJECT DESCRIPTION:**

Emergency Communications Department staff operate several digital networks, including the interoperable 800MHz radio network, the County enterprise network, the Computer Aided Dispatch (CAD) network, and the 9-1-1 telephone system. A high level of performance and reliability is required of these mission critical networks used 24 hours every day of the year. Network switches, routers, and servers need regular replacement to ensure this high level of performance and reliability required by public safety operations.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING				
		2018	2019	2020	2021	2022
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-
Other (Dept Fund Balance):	\$ 100,000	-	-	100,000	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Based upon original cost of current equipment.

**Date of Estimate:** 7/01//2013

**NARRATIVE JUSTIFICATION:**

Maintain backup power for emergency communications

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____	7. Provide Public Service	<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____	8. Provide Public Convenience	<u>X</u>	_____
5. Reduce Operating Costs	_____	<u>X</u>	9. Enhance County Image	_____	<u>X</u>
6. Protect Property	<u>X</u>	_____			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &** Emergency Communications

**Project Title or**

**Code #:** (EMCOM) 490101

**Item:** EMCOM Network Upgrades

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Without replacement of aging devices, public safety networks used by the Department lose performance capability, reliability, and security. They could lose connectivity and threaten public safety.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes\_\_\_      No\_ x      When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes\_\_\_      No\_ x  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Maintenance and costs would be similar to the existing preventive maintenance program.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

N/A

**Estimated Useful Life:**      five years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

This project did not request funding in 2018 or 2019.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING NR**

**Department Name &** Emergency Communications

**Project Title or** Backup Center

NON-ROUTINE  
(New/Renovation)  
Or ROUTINE  
(Maintenance)

**Yes**                      **No**  
X                              \_\_\_\_\_  
\_\_\_\_\_                      \_\_\_\_\_

**Code #:** (EMCOM) 490101

**Item:** HVAC System Replacement

**Account:** 441201\_\_x\_\_ 441212\_\_\_\_  
441202\_\_\_\_ OTHER\_\_\_\_\_

**Dept Priority**  
**Number:** 3

CM Ranking Not Ranked

CIPAC Ranking Not Ranked

**PROJECT DESCRIPTION:**

The life of Heating Ventilation, and Air Conditioning (HVAC) Systems is approximately 13 years. The HVAC System at the Emergency Communications Backup Center, located at 1411 Paul Kirkwold Drive in Arden Hills, will be 13 years in 2019, and require replacement. The HVAC System is required to maintain a working environment at the Backup Center, which is used for employee training, software testing, and as the backup should the Emergency Communications Center require backup services.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING				
		2018	2019	2020	2021	2022
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-
Other (Dept Fund Balance):	\$ 100,000	-	-	-	100,000	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Based upon original cost of current equipment.

**Date of Estimate:** 7/1/2005

**NARRATIVE JUSTIFICATION:**

The HVAC equipment replacement is required to maintain environment conditions that protect sensitive electronic equipment and allow employees to work in the Backup Center in a productive manner.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____	7. Provide Public Service	<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____	8. Provide Public Convenience	_____	<u>X</u>
5. Reduce Operating Costs	_____	<u>X</u>	9. Enhance County Image	_____	<u>X</u>
6. Protect Property	<u>X</u>	_____			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

Department Name & Emergency Communications

Project Title or Backup Center

Code #: (EMCOM) 490101

Item: HVAC System Replacement

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Without control of the indoor environment at the Backup Center, employees and sensitive electronic equipment would have a harsh working environment, which would hurt productivity and damage equipment. The Backup Center could become unusable.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously? Yes\_\_\_ No\_ x When? \_\_\_\_\_  
If project was funded, are carryover funds available? Yes\_\_\_ No\_\_\_  
Year(s) and amounts budgeted and expended Year(s) \_\_\_\_\_ Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

The useful life of the HVAC System is 13 years. Replacement of the old system will ensure that future maintenance and other related costs would be similar to the existing preventive maintenance program.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

N/A

Estimated Useful Life: 13 years

Estimated Payback Period: \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

This project did not request funding in 2018 or 2019.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING NR**

**Department Name &** Emergency Communications

**Project Title or** 800 MHz Radio Base

NON-ROUTINE  
(New/Renovation)  
Or ROUTINE  
(Maintenance)

**Yes**                      **No**  
X                              \_\_\_\_\_  
\_\_\_\_\_                      \_\_\_\_\_

**Code #:** (EMCOM) 490102

**Item:** Station Replacement

**Account:** 441201\_\_x\_\_ 441212\_\_\_\_  
441202\_\_\_\_ OTHER\_\_\_\_\_

**Dept Priority**  
**Number:** 4

CM Ranking Not Ranked

CIPAC Ranking Not Ranked

**PROJECT DESCRIPTION:**

Replace 140 public safety radio base stations installed in 2006 at al 7 ARMER simulcast tower sites in Ramsey County with the latest GTR base stations. The County update is needed to sustain interoperability with the Satewide ARMER radio system backbone, under State consideration to update by 2019 upon legislative authorization and appropriation. A state upgrade will force an upgrade of current STR base stations to sustain ARMER platform interoperability.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Dept Fund Balance):	\$ 1,304,151	434,717	434,717	434,717	-	-	-
Other (Operating Budget):	\$ 291,900	97,300	97,300	97,300	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 1,596,051</b>	<b>\$ 532,017</b>	<b>\$ 532,017</b>	<b>\$ 532,017</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Motorola and Vendor based Quate

**Date of Estimate:** 7/19/2016

**NARRATIVE JUSTIFICATION:**

As the State of Minnesota upgrades its 7.17 ARMER system backbone, the County's current STR 3000 base stations will become obsolete, unable to operate on the ARMER public safety radio system.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____	7. Provide Public Service	<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____	8. Provide Public Convenience	_____	<u>X</u>
5. Reduce Operating Costs	_____	<u>X</u>	9. Enhance County Image	_____	<u>X</u>
6. Protect Property	<u>X</u>	_____			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &** Emergency Communications

**Project Title or** 800 MHz Radio Base

**Code #:** (EMCOM) 490102

**Item:** 800 MHz Radio Base Station Replacement

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

This is a renovation project. Ramsey County's 140, STF 300 radio base stations must be upgraded to operate with the statewide ARMER radio system, as directed by the State of Minnesota.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?	Yes <input checked="" type="checkbox"/> x	No <input type="checkbox"/>	When? <u>2016-2021 CIP Plan Major Project Request for 2019 was amended for inclusion</u>
If project was funded, are carryover funds available?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/> x	<u>into 2016-2017 CIP Budget</u>
Year(s) and amounts budgeted and expended	Year(s) <u>2016 and 2017</u>		Budgeted/Expended <u>\$1,054,331</u>

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Maintenance costs will begin after 2020, but annual cost is unknown at this time.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

N/A

**Estimated Useful Life:** 15 years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)  
Without the upgrade, the interoperable public radio system would not function. The payback is over the life of the upgraded system.

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project for \$434,717 in 2018 and \$434,717 in 2019 using Emergency Communications fund balance.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING NR**

**Department Name &** Emergency Communications

**Project Title or**

NON-ROUTINE  
(New/Renovation)  
Or ROUTINE  
(Maintenance)

**Yes**

**No**

**Code #:** (EMCOM) 490103

**Item:** CAD Replacement/Upgrade

X

\_\_\_

\_\_\_

\_\_\_

**Account:** 441201\_\_x\_\_ 441212\_\_\_  
441202\_\_\_ OTHER\_\_\_\_\_

**Dept Priority**  
**Number:** 5

CM Ranking Not Ranked

CIPAC Ranking Not Ranked

**PROJECT DESCRIPTION:**

Per the JPA with Cities receiving dispatch services, the County and the Cities share contributions to the CAD upkeep and replacement funds on a 60%/40% basis for future replacement and ongoing enhancements of the County's CAD's core system. The annual contribution to the replacement fund totals \$350,000 for future CAD replacement, \$150,000 for ongoing hardware replacement, and \$300,000 for ongoing licenses and enhancements.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Dept Fund Balance):	\$ 4,800,000	800,000	800,000	800,000	800,000	800,000	800,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 4,800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>

**Who Prepared Cost Estimate:** Included in CAD users Agreement

**Date of Estimate:** 11/12/2013

**NARRATIVE JUSTIFICATION:**

With the County purchase of a new CAD system, Cities using dispatch services executed a Joint Powers Agreement to help fund overtime, the future purchase of a replacement CAD system, as well as provide funds for required and desired equipment, licenses, and enhancements to the CAD system for improved public safety operations, as recommended by agency chiefs and the Dispatch Policy Committee, comprised of locally elected officials, including the County Sheriff.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	___	<u>X</u>	9. Enhance County Image	___	<u>X</u>
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &** Emergency Communications

**Project Title or**

**Code #:** (EMCOM) 490103

**Item:** CAD Replacement/Upgrade

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

The County is legally bound by the Joint Powers Agreement to maintain the CAD Replacement/Upgrade Fund. CAD equipment has a useful life range from four to seven years.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?

Yes  No

When? 2016-2021 CIP Plan Major Project Request for 2019 was amended for inclusion

If project was funded, are carryover funds available?

Yes  No

into 2016-2017 CIP Budget

Year(s) and amounts budgeted and expended

Year(s) 2016 and 2017

Budgeted/Expended \$1,054,331

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

N/A

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

N/A

**Estimated Useful Life:** hardware replacement required every 4 to 7 years with CAD system replacement estimated between 2023 and 2025.

**Estimated Payback Period:** N/A (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project for \$800,000 in 2018 and \$800,000 in 2019 using Emergency Communications fund balance.

# Department Summary

Chad Roberts, Director

75 West 5th Street



RAMSEY COUNTY HISTORICAL SOCIETY

## VISION

**A vibrant community where all are valued and thrive.**

## MISSION

**A county of excellence working with you to enhance our quality of life.**

Ramsey County Historical Society (RCHS) inspires current and future generations to learn from and value their history by engaging in a diverse program of presenting, publishing and preserving.

## DEPARTMENT OVERVIEW

Established in 1949 to save the Gibbs family farmstead, (now a National Register of Historic Places site) the Ramsey County Historical Society is a premier experiential educational partner to more than 100 schools throughout Ramsey County, the East Metro, and Western Wisconsin - serving 18,000-20,000 students and thousands of educators annually. RCHS preserves an extensive collection of artifacts (14,000), archival materials (2.5 million items), and the Gibbs museum, all of which document the remarkable heritage of Ramsey County. In addition to youth education and preservation, RCHS shares the history of our capital county through robust publishing and exhibits programs, a professionally staffed Research Center, and a variety of other programs that reach more than 20,000 individuals every year.

## PROGRAMS / SERVICES

Education: The Gibbs Museum of Pioneer and Dakota Life has become a premier school and family attraction in the Twin Cities and surrounding region, providing on-site and off-site programs that meet or exceed State Education Standards. In 2014, the Gibbs Museum served **14,334 schoolchildren** on-site and another **4,628 students** via outreach programming.

Exhibits & Programs: RCHS presents three exhibits annually in Landmark Center and at any time has 1-3 traveling exhibits rotating in locations across the county. In addition, RCHS presents family and adult-focused lectures, workshops, hands-on activities that reach more than 23,000 individuals every year.

Research Center: RCHS' artifacts, archival materials, and library are increasingly used by the public through the Research Center. Staff provides free/low-cost archival research assistance responding to more than **1,167 research requests and visits** in 2014. RCHS upholds collection care standards to preserve its collection of more than **14,000 artifacts and millions of archival documents**.

# Department Summary

Chad Roberts, Director

75 West 5th Street



RAMSEY COUNTY HISTORICAL SOCIETY

Publishing: The award-winning magazine, *Ramsey County History*, continues to carry on a distinguished tradition of assembling original, local history articles that detail important and engaging stories that might otherwise be lost. RCHS also publishes books on a variety of subjects, including the 2014 publication, *The German Friend* by John W. Larson.

## GOALS & STRATEGIES

### **Strengthen individual, family and community health, safety and well-being.**

- RCHS Goal 1: increase outreach programming by 10% annually over next three years.
  - Background: RCHS has many education programs for youth improve academic achievement, helping ensure today's youth become healthy and productive citizens. These include on-site school tours, offsite outreach to schools, in-depth co-teaching in three schools, and a new museum-based summer school program beginning in 2015.
  - Strategy: Continue expansion of outreach programming to meet educator needs with a particular focus on expanding the successful Montessori school model.
- RCHS Goal 2: Fully develop summer school program and track results/impact on achievement gap, "summer slump", and competencies in literacy, math, and social studies.
  - Strategy: Complete three-year summer school pilot program.
- RCHS Goal 3: Expand adult education program to serve an additional 2,000 adults on-site at Gibbs Museum in 2016, including stand-alone and integrated memory-loss programming beginning in 2016.
  - Background: RCHS adult education programs, including the new 55+ program this summer at our Gibbs site, help adults remain both physically and mentally active. These efforts are part of a movement nation-wide in which museums help combat memory loss among older adults while keeping them connected to things that they hold dear.
  - Strategy: Complete first year of "Farm Fridays" program and revise based on audience feedback.
  - Strategy: Develop specific memory-loss programming based on both the Hill House and national models.

# Department Summary

Chad Roberts, Director

75 West 5th Street



RAMSEY COUNTY HISTORICAL SOCIETY

- RCHS Goal 4: Ensure a positive and community-embraced transition of the Savage Lake name to something more appropriate.
  - Background: RCHS is assisting Ramsey County in the renaming process for Savage Lake, having researched the origin of the name and ensuring that local preservation concerns are addressed. This is an opportunity for a community to have a positive conversation about race and come together to bestow a new, positive name on an important wetland.
  - Strategy: Complete community engagement process that has been identified by RCHS and Ramsey County to secure local government, organization, and individual support.
  - Strategy: Continue expansion of outreach programming to meet educator needs with a particular focus on expanding the successful Montessori school model.

## **Cultivate economic prosperity and invest in neighborhoods with concentrated financial poverty.**

- RCHS Goal 5: Continue to prioritize the deployment of unique RCHS assets to support education, narrow the achievement gap, and improve the academic achievement of students.
  - Strategy: Maintain and continuously improve school tour program.
  - Strategy: Expand educational outreach programming using the AIMS model.
  - Strategy: Complete a three-year pilot (2015-2017) of a museum-based summer school program created in partnership with the Saint Paul City School and four other museums.
- RCHS Goal 6: Expand existing partnerships and develop strong new partnerships with communities of color to ensure that all RCHS constituents are being served.
  - Background: RCHS has been proactively reaching out to communities of color over the past two years and is committed to racial equity. This outreach has resulted in RCHS being invited to participate more fully in the equity movement in Minnesota, including: participating in the 50<sup>th</sup> anniversary of Bloody Sunday (pilgrimage by 70 community leaders to Selma, Alabama), providing counsel for Rondo heritage projects, an archives project at Hallie Q. Brown Community Center, assisting The Saint Paul Foundation with the “I Am Saint Paul” campaign, invitation to present to Dakota and Ojibwe educators at the Prairie Island Indian Community, hosting training and programming sessions for Dakota Wicohan, American Association for State



# Department Summary

Chad Roberts, Director

75 West 5th Street



## RAMSEY COUNTY HISTORICAL SOCIETY

and Local History, and the Margaret Cargill Philanthropies, and planning and installing the Red Cap exhibit at the Union Depot.

- Strategy: Continue to expand the reach of the Selma project via a year-long *Selma 70* series of programs and exhibits.
- Strategy: Continue to develop relationships with different communities in Ramsey County through direct outreach, listening sessions, working closely with partners, and providing resources (archives, exhibit consulting, oral history projects, etc.) for community-identified cultural projects and programs.
- Strategy: As requested by some members of the Dakota and Rondo communities, act as a connector organization, specifically by hosting a new RCHS event, *Celebrating Our Past, Present, and Future – Together* in fall 2015 and 2016 (hosting up to 40 organizations working on equity issues at CHS field for a public event focused on equity and civil rights in Minnesota).

### Enhance access to opportunity and mobility for all residents and businesses.

- RCHS Goal 7: Ensure all communities in Ramsey County have access to their historical and cultural resources.
  - Strategy: Continue to provide low-cost or free (subsidized) access to RCHS resources and programs
  - Strategy: Maintain consistent access points to cultural resources (e.g. Research Center, Gibbs, Landmark Center gallery, etc.).
  - Strategy: Engage communities in the preservation of their own cultural resources and support access points local to these communities.
- RCHS Goal 8: Become more representative of the communities we serve.
  - Strategy: Continue to increase recruitment of people of color to serve on the board, advisory committees, and staff of RCHS.
  - Strategy: Create more welcoming experiences for diverse audiences in exhibits and programs.
- RCHS Goal 9: Ensure economic development activities integrate cultural resources.

# Department Summary

Chad Roberts, Director

75 West 5th Street



## RAMSEY COUNTY HISTORICAL SOCIETY

- Strategy: Work with partners (e.g. Ramsey County/TCAAP) to incorporate cultural resources to help maintain or create a sense of place for future residents and businesses. A strong sense of place and community identity have been demonstrated to strengthen communities with results including lower crime rates, family-friendly neighborhoods, more local investment, and all the ancillary benefits those three results make possible.

### Model forward-thinking investment, fiscal accountability and transparency.

- RCHS Goal 10: Identify more efficient models for general administration and securing specialized skills/services.
  - Strategy: Complete shared services feasibility study now underway and being led by RCHS with eight partner organizations and present findings at several non-profit and museum conferences.
  - Strategy: Complete new shared staffing model pilot program now underway and being led by RCHS with three partner organizations and present findings at the Minnesota Museum conference
- RCHS Goal 11: Implement most efficient financial and fundraising models in 2015.
  - Strategy: Complete multi-year re-development of all financial practices to reduce costs, staff resource needs, and increase accuracy and transparency.
  - Strategy: Complete integration of new CRM to support fundraising and implement new fundraising practices to reduce costs, increase accuracy, improve results, and improve service to members, donors, and the public.

# Department Summary

Chad Roberts, Director

75 West 5th Street

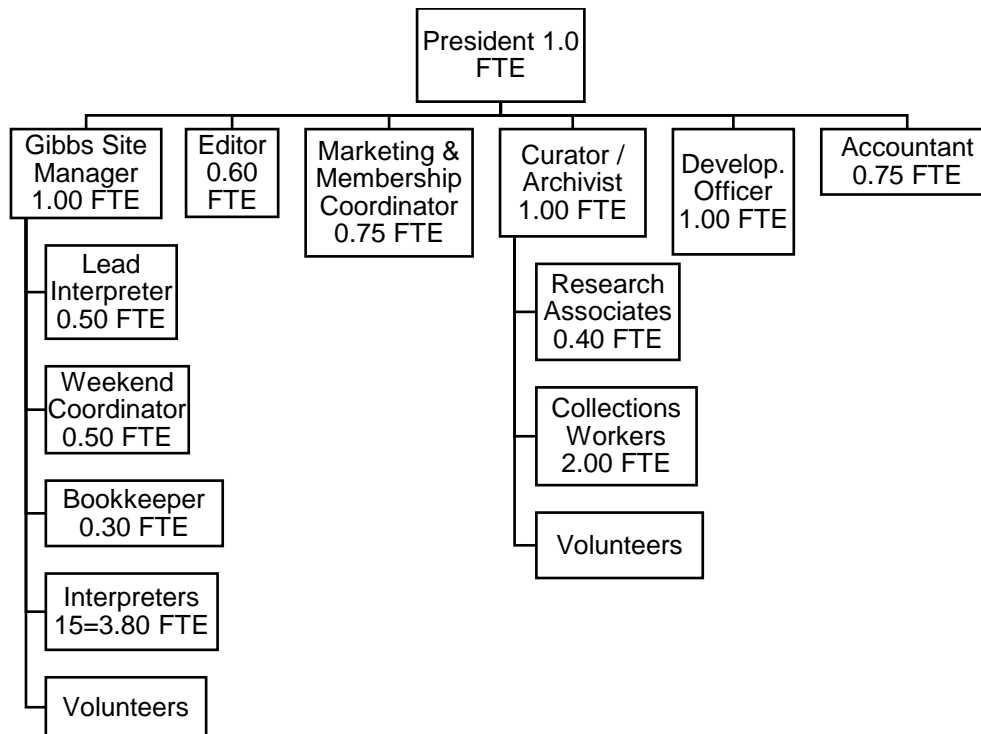


RAMSEY COUNTY  
(651) 222-0701

RAMSEY COUNTY HISTORICAL SOCIETY

## 2015 ORGANIZATION CHART

No County Employees



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

**Dept Name & Code #** Historical Society 710000

<b>FUNDING SOURCE</b>	<b>Total All Years</b>	<b>ESTIMATED FUNDING</b>					
		<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
County Funds	\$ 111,279	\$ 111,279	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	-	-	-	-	-	-	-
State Funds	-	-	-	-	-	-	-
Other (Specify)	-	-	-	-	-	-	-
<b>TOTALS (Must agree with Summary by Project)</b>	<b>\$ 111,279</b>	<b>\$ 111,279</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

Dept Name & Code # Historical Society 710000

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
1	National Register & Education Asset Pres.	\$ 111,279	\$ 111,279	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTALS (Last Page Only)</b>		\$ 111,279	\$ 111,279	\$ -	\$ -	\$ -	\$ -	\$ -



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** 3

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
<b>Code #:</b> <u>Historical Society 710000</u>	National Register & Education Asset <b>Item:</b> <u>Preservation</u>	Or ROUTINE (Maintenance)	<u>X</u>	___

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<b>Account:</b> 441201___ 441212___	<b>Dept Priority</b>	CM Ranking <u>4</u>	CIPAC Ranking <u>5</u>
441202___ OTHER___	<b>Number:</b> <u>1</u>		

**PROJECT DESCRIPTION:**

Ramsey County Historical Society requests \$111,279 to ensure three key buildings essential for its educational mission remain intact, preserved, and usable. This project includes new roofs on each building (White Barn, Red Barn, and Annex), an engineering assessment of the White Barn foundation, new windows in the White Barn, and HVAC replacement in the Annex; the useful life for this project ranges from 20 to 30 years depending on the component. This project addresses critical asset preservation needs and will ensure that each structure at the Gibbs Farm is well preserved and useable by students and adults. Gibbs Farm is a National Register site significant for its age and unique connection between the sites homesteaders and the Dakota people of Cloud Man's Village. These buildings are essential to its operation and the safety of its visitors.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 111,279	\$ 111,279	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals (Project/Item Funding)</b>	<b>\$ 111,279</b>	<b>\$ 111,279</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Midland Heating/Cooling, SP Windows, Tradition Roofing, and Collaborative Design Group **Date of Estimate:** 2016

**NARRATIVE JUSTIFICATION:**

Each building involved in this project serves a critical function in the operation of the Gibbs Farm site that serves more than 25,000 guests annually. Total visitation at the Gibbs Farm is expected to grow dramatically over the next six years due to the Bell Museum moving next door (opening June 2018) and both barns are used by nearly all visitors while the Annex holds offices and program supplies used by all staff and volunteers.

The project addresses building envelope needs that will keep the buildings from deteriorating due to water damage and avoid catastrophic damage caused by failing HVAC systems that have outlived their maximum expected lifespans. Additionally, replacing furnace and AC system in the Annex property with modern, energy efficient models will reduce energy costs by as much as \$3,000 annually and minimize ongoing repair costs as worn out components are replaced piecemeal when they fail.

The White Barn is a contributing structure of this National Register Site and a key part of the Society's educational program. The barn itself is used for direct programming, animal husbandry, and oversize artifact storage. The repair of the building envelope, involving a new roof and window replacement will prevent moisture infiltration due to precipitation and ensure that the existing wooden structure will not prematurely decay and fail. The asphalt shingles on the White Barn are not authentic and will be replaced by cedar shakes. Not only will this restore the barn to its historic state, shakes have a longer lifespan than asphalt shingles and using shakes will add a decade or more to the useful life of this project. The engineering study of the foundation is expected to return a clean bill of health, but is necessary to confirm this expectation.

The Red Barn is in very good condition but requires new asphalt shingles to avoid moisture infiltration. Ensuring that this building remains in good condition is important as it is one of few spaces that can accommodate students in inclement or severe weather. The building is used for public and school programs and houses three public restrooms.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>	___
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			

Project # (CM Use Only)

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

**Department Name &**

**Project Title or**

**Code #:** Historical Society 710000

National Register & Education Asset

**Item:** Preservation

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

If the building envelope of any of the buildings included in this project are allowed to fail the damage could be catastrophic. The White and Red barns would rot quickly and necessitate far more expensive repairs. Both barns are used for programs, and if they were to deteriorate they will be unusable for public programs. The HVAC replacement in the Annex building is no less crucial, should heat fail in the winter (an increasingly likely scenario) the building would be unusable and unlivable. Further, boiler failure would likely lead to water damage and the costs to fix that are substantial. In 2015 we identified that the roof work on the White Barn should be completed within 24 months, it has further deteriorated since then and we don't expect it to remain intact much longer. The Annex roof is already damaged slightly but is not leaking. This deterioration will likely accelerate, making replacement in the next year or so imperative. RCHS re-bid all of this work in 2016 using at least three vendors and was able to secure very attractive pricing. That pricing has been adjusted upwards as follows: 8% inflation between 2016 and 2018; 7% for administrative costs for letting bids and managing contractors; and 10% for contingencies, leading to a project total of \$111,279. This is a very good price for the substantial work to be completed.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes x      No \_\_\_\_\_      When? 2013 \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes \_\_\_\_\_      No \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

This project will ensure more expensive and extensive repairs won't be required in the future. The lifespan of the new roof material for the White Barn is at least 30 years, for the Annex and Red Barn the life cycle of the shingles will be 20-25 years. All will require routine visual inspections and minimal maintenance, both within the capacity of RCHS to provide at an average cost of \$1,000 or less per year. RCHS will spend less than \$600 a year to maintain the HVAC systems provided for in this project. This compares quite favorably to the \$2,000 expended this past year on emergency repairs and maintenance. In addition, energy costs are expected to be reduced by as much \$3,000 annually.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Expected revenue growth in summer program will average \$5,000 annually for the next three years provided that the White Barn, Red Barn, and Annex remain usable. If this project is not completed, the site capacity for revenue generating activities will be curtailed within three years as the White Barn will likely become unusable, reducing earned revenue by approximately \$20,000. If the Annex suffers either roof or HVAC failure, RCHS operating costs will increase dramatically for repairs and securing substitute working spaces. With project completion, RCHS will maintain its current school tour capacity and will be able to use the space for summer programming. Summer programming is increasing (camps, summer school program, 55+ program) and are the only significant, on-site earned revenue growth areas possible until such time as Gibbs becomes a year-round site.

**Estimated Useful Life:**      30 years

**Estimated Payback Period:**      8 years (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 with bonds.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$111,279 in 2018.

# Department Summary

Amy Mino, Executive Director

75 West 5th Street



LANDMARK CENTER

## VISION

**A vibrant community where all are valued and thrive.**

## MISSION

**A county of excellence working with you to enhance our quality of life.**

## DEPARTMENT OVERVIEW

Minnesota Landmarks, an incorporated, nonprofit organization, preserves and manages Landmark Center, on behalf of Ramsey County, its owner, as a dynamic, historic cultural center for the citizens of the County and the broader community. Minnesota Landmarks initiates programs and partnerships that celebrate the cultural diversity and collective history of the community and provides a central gathering place for people, organizations and activities that enhance the quality of life in our community.

Minnesota Landmarks carries out its mission through preserving, managing and developing the beauty and artistic nature of Landmark Center in its role as a premier central gathering place, in partnership with Ramsey County and for community use. True to its original charter, Minnesota Landmarks is open to a future of preserving, managing and adaptively reusing historic properties in creative ways.

## PROGRAMS / SERVICES

Minnesota Landmarks carries out its mission through:

- Preserving, managing and developing the beauty and artistic nature of Landmark Center in its role as a premiere central gathering place, in partnership with Ramsey County and for community use;
- Implementing an annual calendar of accessible, quality programs that educate and enhance the experience of visitors and celebrate the cultural life and history of our region;
- Overseeing both public and private capital investments in Landmark Center to ensure its future as a state, local and national landmark; and
- Raising private funds to support Landmark Center as an historic building and cultural center for the community.



# Department Summary

Amy Mino, Executive Director

75 West 5th Street



LANDMARK CENTER

## **GOALS & STRATEGIES**

### **Strengthen individual, family and community health, safety and well-being.**

- Provide a wide range of accessible social, historical, artistic and cultural activities within Landmark Center that help educate and engage residents and enhance our quality of life.

### **Cultivate economic prosperity and invest in neighborhoods with concentrated financial poverty.**

- Leverage private investment in Landmark Center to support active community engagement activities.
- Support local artists, arts organizations and other micro-business through providing space for them to sell or promote their products and engage the public.

### **Enhance access to opportunity and mobility for all residents and businesses.**

- Provide an accessible arts and cultural center in the heart of the downtown area.
- Provide educational programming that support personal growth and development.

### **Model forward-thinking investment, fiscal accountability and transparency.**

- Provide Landmark Center as a cost effective and well maintained community resource.
- Leverage external funding to maximize the leverage of county funded dollars.

# Department Summary

Amy Mino, Executive Director

75 West 5th Street

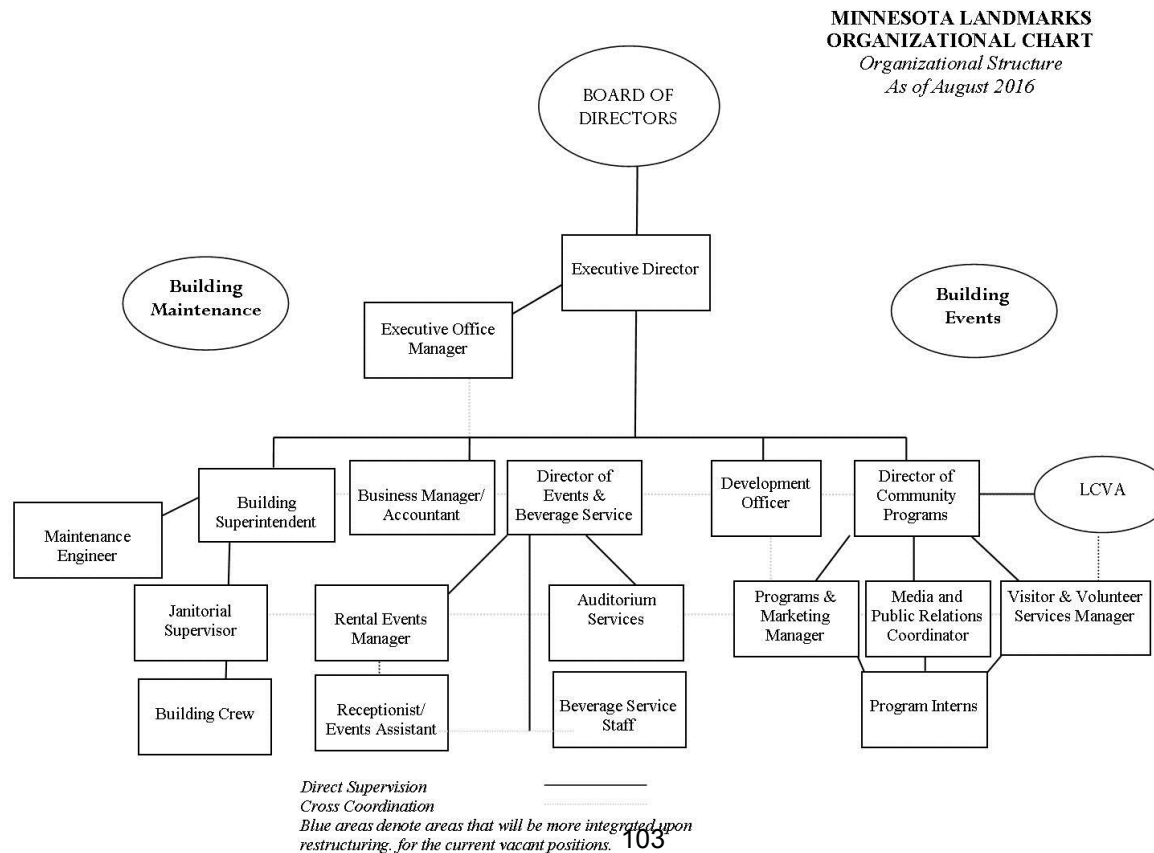


LANDMARK CENTER

## 2017 ORGANIZATION CHART

Personnel FTE listed are building operations only.  
Minnesota Landmarks employs another 8 FTEs in other areas of its operating budget.

No County Employees



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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

**Dept Name & Code #** Landmark Center #720101

<b>FUNDING SOURCE</b>	<b>Total All Years</b>	<b>ESTIMATED FUNDING</b>					
		<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
County Funds	\$ 1,039,700	\$ 210,000	\$ 210,000	\$ 148,700	\$ 116,000	\$ 135,000	\$ 220,000
Federal Funds	-	-	-	-	-	-	-
State Funds	-	-	-	-	-	-	-
Other (Specify)	-	-	-	-	-	-	-
<b>TOTALS (Must agree with Summary by Project)</b>	<b>\$ 1,039,700</b>	<b>\$ 210,000</b>	<b>\$ 210,000</b>	<b>\$ 148,700</b>	<b>\$ 116,000</b>	<b>\$ 135,000</b>	<b>\$ 220,000</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

Dept Name & Code # Landmark Center #720101

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
1	North Tower Masonry Repair	\$ 420,000	\$ 210,000	\$ 210,000	\$ -	\$ -	\$ -	\$ -
2	Replace Carpeting - Landmark Center	148,700	-	-	148,700	-	-	-
3	Replace Electric Panels	116,000	-	-	-	116,000	-	-
4	Fire System Update	270,000	-	-	-	-	135,000	135,000
5	Update Energy Mgmt System	85,000	-	-	-	-	-	85,000
<b>TOTALS (Last Page Only)</b>		<b>\$ 1,039,700</b>	<b>\$ 210,000</b>	<b>\$ 210,000</b>	<b>\$ 148,700</b>	<b>\$ 116,000</b>	<b>\$ 135,000</b>	<b>\$ 220,000</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** 4

<b>Department Name &amp; Code #:</b> <u>Landmark Center #720101</u>	<b>Project Title or Item:</b> <u>North Tower Masonry Repair</u>	NON-ROUTINE (New/Renovation)	Yes	No
			<u>X</u>	___
		Or ROUTINE (Maintenance)	___	___

---

<b>Account:</b> 441201___ 441212___	<b>Dept Priority Number:</b> <u>1</u>	CM Ranking <u>8</u>	CIPAC Ranking <u>4</u>
441202_X___ OTHER_____			

**PROJECT DESCRIPTION:**

Repair and restoration of damaged stone facings on the North Tower.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING				
		2018	2019	2020	2021	2022
County Funds	\$ 420,000	\$ 210,000	\$ 210,000	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 420,000</b>	<b>\$ 210,000</b>	<b>\$ 210,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Collaborative Design Group

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

The extensive restoration of the North and South Tower roofs that was conducted in 2013-14 uncovered stone deterioration in areas of the tower. Several stones were found to have large spall due to apparent corrosion of the supporting steel. The impacted areas were stabilized, but the stone and supporting structures need to be repaired and restored in the future to prevent further damage and ensure stability for the tower into the future. A study of the North Tower masonry conducted by Collaborative Design Group in 2016 resulted in the recommended course of action and the proposed budget.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	___	<u>X</u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	___	<u>X</u>	9. Enhance County Image	___	<u>X</u>
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Landmark Center #720101

**Project Title or**

**Item:** North Tower Masonry Repair

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

The North Tower conditions would worsen and cause potential harm to the building.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?

Yes X

No     

When? 2016-2021 CIP Plan

If project was funded, are carryover funds available?

Yes     

No     

Year(s) and amounts budgeted and expended

Year(s)     

Account Code     

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Repair of the damaged areas of North Tower will protect Landmark Center masonry, including the decorative North Tower balconies, from future damage. There should be no future life cycle maintenance costs needed should this project be completed.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

None anticipated.

**Estimated Useful Life:**

100 years

**Estimated Payback Period:**

Not anticipated

(Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 and 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$210,000 in 2018 and \$210,000 in 2019.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING NR**

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	<b>Yes</b>	<b>No</b>
		Or ROUTINE (Maintenance)	<u>X</u>	___
<b>Code #:</b> <u>Landmark Center #720101</u>	<b>Item:</b> <u>Replace Carpeting - Landmark Center</u>		___	___

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<b>Account:</b>	441201___ 441212___	<b>Dept Priority</b>			
	441202_X___ OTHER_____	<b>Number:</b>	<u>2</u>	CM Ranking	<u>Not Ranked</u>
				CIPAC Ranking	<u>Not Ranked</u>

**PROJECT DESCRIPTION:**

Replacement of two floors of carpeting within Landmark Center (first floor and basement level).

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 148,700	\$ -	\$ -	\$ 148,700	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 148,700</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 148,700</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** CBL Floors

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

The first floor is the most heavily trafficked area of Landmark Center and also the most heavily used by special events. It is the area most visited by the public and the premier site in the building for community programs, weddings and parties. Its life expectancy is approximately 10-12 year (last replaced in 2007). The basement level was last replaced in 2001 and will have seen nearly 20 years of use by replacement time. This floor includes the F. K. Weyerhaeuser Auditorium and the Ramsey County Historical Society Research Center, both used regularly for events and by the public.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>	___
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	___	<u>X</u>			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Landmark Center #720101

**Project Title or**

**Item:** Replace Carpeting - Landmark Center

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

The first floor carpeting sustains significant use with large events. Any tear or ruffling could cause tripping and physical damage to the guest. The basement level carpeting is showing the wear and tear of 20 years of use and cleaning. Beauty and image of the building will be maintained by funding this project.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_\_\_      When? 2016-2021 CIP Plan (not funded)  
If project was funded, are carryover funds available?      Yes \_\_\_\_\_      No \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Not expected, although the event rental income that supports the annual maintenance of the building could be impacted if the Cortile is considered too shabby to rent.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

New carpeting would enhance the sales quality of the Cortile in a competitive market and support Landmrk Center as the classy venue it is.

**Estimated Useful Life:**      10-12 years (first floor); 20 years (basement)

**Estimated Payback Period:**      \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

This project did not request funding in 2018 or 2019.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING NR**

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
		Or ROUTINE (Maintenance)	<u>X</u>	___
<b>Code #:</b> <u>Landmark Center #720101</u>	<b>Item:</b> <u>Replace Electric Panels</u>		___	___

---

<b>Account:</b> 441201___ 441212___	<b>Dept Priority</b>			
441202_X___ OTHER_____	<b>Number:</b> <u>3</u>	CM Ranking <u>Not Ranked</u>	CIPAC Ranking <u>Not Ranked</u>	

**PROJECT DESCRIPTION:**

Repalcement of Landmark Center electrical panels.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 116,000	\$ -	\$ -	\$ -	\$ 116,000	\$ -	\$ -
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals (Project/Item Funding)</b>	<b>\$ 116,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 116,000</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** MN Landmarks Maintenance staff

**Date of Estimate:** 2017

**NARRATIVE JUSTIFICATION:**

The building's electrical panels (21 total) date to the 1970s and early 1980s. The maintenance crew has replaced breakers for the electrical panels for the next several years, and the parts are nearly impossible to get. There is a need to replace the panels before the current supplies run out. The project will also bring the system up to code.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	___	<u>X</u>	7. Provide Public Service	___	<u>X</u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>	___
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	___	<u>X</u>
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Landmark Center #720101

**Project Title or**

**Item:** Replace Electric Panels

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Once the supply runs out, parts cannot be replaced since the panels are outdated. There could be a loss of electricity in the building, which would impact operations in the building.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_\_\_      When? 2016-2021 CIP Plan (not funded)  
If project was funded, are carryover funds available?      Yes \_\_\_\_\_      No \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

New panels would reduce maintenance costs in the first several years.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Timely replacement would deter any break in the scheduling of programs and events, allowing for continued programming and event revenues.

**Estimated Useful Life:**      20 years

**Estimated Payback Period:**      not determined (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

This project did not request funding in 2018 or 2019.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING NR**

<b>Department Name &amp;</b>	<b>Project Title or</b>	<b>NON-ROUTINE (New/Renovation)</b>	<b>Yes</b>	<b>No</b>
<b>Code #:</b> <u>Landmark Center #720101</u>	<b>Item:</b> <u>Fire System Update</u>		<u>X</u>	___
		<b>Or ROUTINE (Maintenance)</b>	___	___

---

<b>Account:</b>	441201___ 441212___	<b>Dept Priority</b>			
	441202_X___ OTHER_____	<b>Number:</b>	<u>4</u>	<b>CM Ranking</b>	<u>Not Ranked</u>
				<b>CIPAC Ranking</b>	<u>Not Ranked</u>

**PROJECT DESCRIPTION:**

Replacement of the Landmark Center fire panel and the controller panel for the fire pump, servicing the fire system for the building.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 270,000	\$ -	\$ -	\$ -	\$ -	\$ 135,000	\$ 135,000
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals (Project/Item Funding)</b>	<b>\$ 270,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 135,000</b>	<b>\$ 135,000</b>

**Who Prepared Cost Estimate:** MN Landmarks Maintenance staff

**Date of Estimate:** 2017

**NARRATIVE JUSTIFICATION:**

This project would replace the fire panel and the fire pump controller and update the fire system, including wiring, smoke detectors, beam detectors, flow switches, and other fire-related equipment. The current panel was installed in 1995 and last updated in 2005.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	___	<u>X</u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	___	<u>X</u>	9. Enhance County Image	___	<u>X</u>
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Landmark Center #720101

**Project Title or**

**Item:** Fire System Update

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

None determined at this time.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?

Yes X

No     

When? 2016-2021 CIP Plan (not funded)

If project was funded, are carryover funds available?

Yes     

No     

Year(s) and amounts budgeted and expended

Year(s)     

Account Code     

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Small savings are anticipated in operating costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

None determined at this time.

**Estimated Useful Life:**

20 years

**Estimated Payback Period:**

not determined

(Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

This project did not request funding in 2018 or 2019.

**CAPITAL IMPROVEMENT PROGRAM  
8 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANKING **NR**

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
<b>Code #:</b> <u>Landmark Center #720101</u>	<b>Item:</b> <u>Update Energy Mgmt System</u>	Or ROUTINE (Maintenance)	<u>X</u>	___
<b>Account:</b> 441201___ 441212___	<b>Dept Priority</b>			
441202_X___ OTHER_____	<b>Number:</b> <u>5</u>	CM Ranking <u>Not Ranked</u>	CIPAC Ranking <u>Not Ranked</u>	

**PROJECT DESCRIPTION:**

Update of the Landmark Center Energy Management System (EMS). This project would replace the communications panel, computer and software but continue to use the current motor control and other equipment.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING				
		2018	2019	2020	2021	2022
County Funds	\$ 85,000	\$ -	\$ -	\$ -	\$ -	\$ 85,000
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals (Project/Item Funding)</b>	<b>\$ 85,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 85,000</b>

**Who Prepared Cost Estimate:** \_\_\_\_\_

**Date of Estimate:** \_\_\_\_\_

**NARRATIVE JUSTIFICATION:**

The full Energy Management System was most recently updated in 1997 and, while software upgrades have been made in recent years, the system is reaching its life expectancy. Replacement of the communications panel, computer and software would make the system faster, more accurate, and easier to maintain. Parts of the old system are becoming obsolete.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	___	<u>X</u>	7. Provide Public Service	___	<u>X</u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	___	<u>X</u>
6. Protect Property	___	<u>X</u>			

**CAPITAL IMPROVEMENT PROGRAM  
8 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Landmark Center #720101

**Project Title or**

**Item:** Update Energy Mgmt System

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

The cost of maintaining the old system will be higher, and parts may not be available in the future.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?

Yes X

No     

When?      2016-2021 CIP Plan (not funded)

If project was funded, are carryover funds available?

Yes     

No     

Year(s) and amounts budgeted and expended

Year(s)     

Account Code     

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Not determined at this time.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Not determined at this time.

**Estimated Useful Life:**

15 years

**Estimated Payback Period:**

not determined

(Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

This project did not request funding in 2018 or 2019.

# Department Summary

Jill Boldenow, Library Director

4560 North Victoria Street



Library

## VISION

A vibrant community where all are valued and thrive.

## MISSION

A county of excellence working with you to enhance our quality of life.

## LIBRARY OVERVIEW

Ramsey County Library was formed in 1951 to provide service to suburban Ramsey County. It is governed by a seven-member Board of Trustees who are appointed by the Ramsey County Board of Commissioners. Most of the funding for Library operations comes from a suburban-only property-tax levy. Nearly 1.6 million people visit Ramsey County Library annually.

## PROGRAMS / SERVICES

Ramsey County Library provides free access to nearly 750,000 items including books, e-books, DVDs, CDs, magazines, maps, newspapers, business directories, large print books and audio books. The Library also offers countless online resources, including access to more than 25 databases. In addition to loaning library materials in a variety of formats, Ramsey County Library offers the following services:

- Personal assistance to answer questions and to help locate books and materials in person, by phone, and via e-mail.
- Events and classes for adults, teens and children.
- Copy machines and printers.
- Telephone or e-mail request notification.
- Community rooms for public use.
- Study rooms.
- Internet computers with Microsoft Office 2007.
- Wireless Internet access.

## GOALS & STRATEGIES

### **Strengthen individual, family and community health, safety and well-being.**

- Foster literacy and student achievement through children's and teen programs and resources.
- Strengthen connections with community efforts and partners to deliver services.



# Department Summary

Jill Boldenow, Library Director

4560 North Victoria Street



Library

**Cultivate economic prosperity and invest in neighborhoods with concentrated financial poverty.**

- Target adult learning needs that create economic opportunities.

**Enhance access to opportunity and mobility for all residents and businesses.**

- Ensure citizens access to library buildings, open hours, materials, programs and digital technology.
- Address racial disparities.

**Model forward-thinking investment, fiscal accountability and transparency.**

- Ensure efficiency and effective use of tax dollars.
- Leverage existing resources to achieve success.

# Department Summary

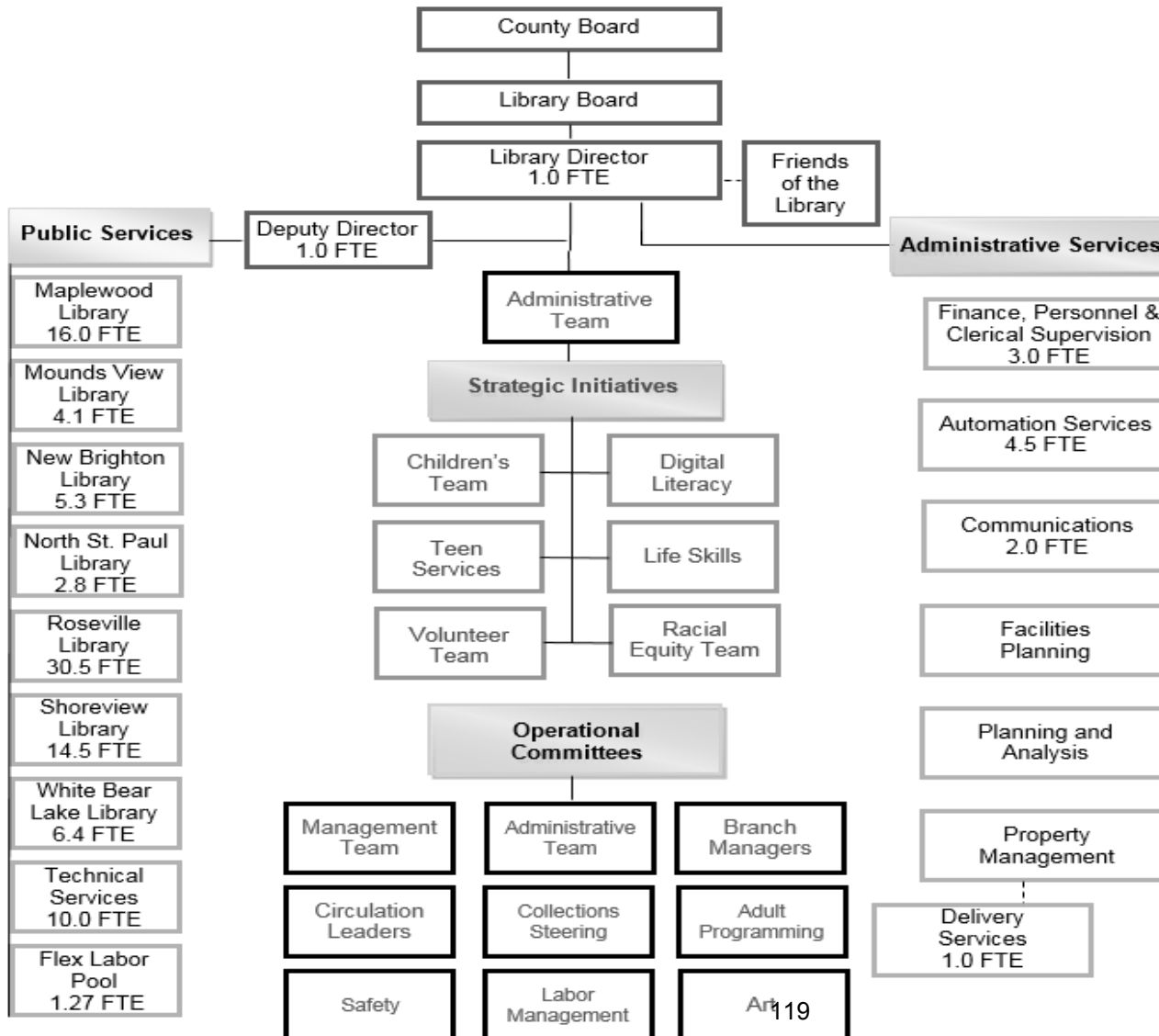
Jill Boldenow, Library Director

4560 North Victoria Street



Library

## 2017 ORGANIZATION CHART



### Personnel - FTE

2016 Budget - 101.17

2017 Budget - 103.37

2018 Proposed - 101.37

2019 Proposed - 101.37

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

**Dept Name & Code #** Ramsey County Library

<b>FUNDING SOURCE</b>	<b>Total All Years</b>	<b>ESTIMATED FUNDING</b>					
		<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
County Funds	\$ 100,000	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	-	-	-	-	-	-	-
State Funds	-	-	-	-	-	-	-
Other (Specify)	-	-	-	-	-	-	-
<b>TOTALS (Must agree with Summary by Project)</b>	<b>\$ 100,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

Dept Name & Code # Ramsey County Library

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
1	Furniture Reupholstery and Replacement	\$ 100,000	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -
<b>TOTALS (Last Page Only)</b>		\$ 100,000	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** 11

**Department Name &**

**Project Title or** Furniture Reupholstery and

NON-ROUTINE  
(New/Renovation)  
Or ROUTINE  
(Maintenance)

**Yes**

**No**

**Code #:** Ramsey County Library

**Item:** Replacement

\_\_\_

x

x

\_\_\_

**Account:** 441201\_\_\_ 441212\_\_\_  
441202\_\_\_ OTHER\_\_\_\_\_

**Dept Priority Number:** 1

CM Ranking 10

CIPAC Ranking 9

**PROJECT DESCRIPTION:**

Reupholstery and replacement of distressed furniture used by the public at Ramsey County Library's Roseville and Maplewood branches.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 100,000	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 100,000</b>	<b>\$ 50,000</b>	<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** General Office Products (GOP) and Library staff

**Date of Estimate:** 2014 (GOP) & 2017 (Based on GOP quote and recent projects)

**NARRATIVE JUSTIFICATION:**

Roseville Library has the highest use of any Minnesota library. Maplewood Library is Ramsey County Library's second busiest branch. The public furniture at these libraries is in high demand. Patrons need chairs and other seating for reading and pre-literacy activities, using internet and catalog stations, accessing Wi-Fi on personal devices, doing group work and maker projects, and attending library programs. Many pieces of Maplewood and Roseville furniture are soiled, torn, or faded. In the past, some worn items have been replaced with castoffs from other facilities, resulting in random upholstery that does not match other furniture or the libraries. The Library serves a variety of citizens, including those experiencing incontinence or other physical issues that have caused damage requiring furniture disposal. To address these conditions, the Library has identified approximately 120 chairs and booth seats at Roseville and Maplewood Libraries to be reupholstered. The Library currently selects more impermeable, durable fabrics, and will do so with this project. A group of chairs at Maplewood should be replaced as the most economical choice. In the past decade, the Library has obtained new furniture with its capital projects. The Library has occasionally funded piecemeal furniture needs with year-end reserves, but it does not forecast adequate reserves for even minimal upgrades. The Library requests funding for a two-year furniture upgrade project to make these high-profile libraries clean, inviting and functional. The project will enhance the public reputation of Ramsey County and the Library and enable the public to fully utilize and enjoy the Library's many resources.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	___	<u>x</u>	7. Provide Public Service	<u>x</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>x</u>	___	8. Provide Public Convenience	<u>x</u>	___
5. Reduce Operating Costs	___	<u>x</u>	9. Enhance County Image	<u>x</u>	___
6. Protect Property	___	<u>x</u>			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &**

**Project Title or**

**Code #:** Ramsey County Library

**Item:** Furniture Reupholstery and Replacement

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

With more than one million annual visits to Maplewood and Roseville Libraries, the public will encounter worn, soiled, and mismatched furniture, leaving a poor impression of the County and the Library. If the Library cannot maintain its furniture, it will discard unusable pieces. The Library will have inadequate seating to meet the public need. Members of the public will discontinue using Ramsey County Libraries or will refrain from using Library resources and programs due to discomfort with the furnishings and the lack of seating.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously? Yes\_\_\_ No\_ x When? \_\_\_\_\_  
If project was funded, are carryover funds available? Yes\_\_\_ No\_\_\_  
Year(s) and amounts budgeted and expended Year(s) \_\_\_\_\_ Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

With an investment in durable reupholstering, the Library will extend the life of its furniture and lower its future replacement costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

N/A

**Estimated Useful Life:** 10-12 years

**Estimated Payback Period:** N/A (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 and 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project for \$100,000 in 2018 and \$100,000 in 2019 from the Library Capital Improvement Program (CIP) Contingent account.

# Department Summary

Michael B. McGee, M.D.

300 East University Ave.



MEDICAL EXAMINER

## VISION

**A vibrant community where all are valued and thrive.**

## MISSION

**A county of excellence working with you to enhance our quality of life.**

## DEPARTMENT OVERVIEW

The mission of the Medical Examiner's Office is to investigate deaths occurring within Ramsey County and to provide a truthful, unbiased and professional account to residents, law enforcement and all appropriate agencies as well as the judicial system within Ramsey County.

The primary purpose of the Medical Examiner's Office is to provide state-of-the-art, competent and professional death investigations for the citizens of Ramsey County. The Office by statute is an independent agency which determines cause and manner of death in an objective manner. The Office has taken steps to promote partnerships by continuing in a joint powers agreement with Washington County for death investigations. In addition, the continued services offered to outstate coroner and medical examiner offices throughout Minnesota, Wisconsin and South Dakota provides a vital service in death investigation while assisting in the financial and operational management of the Office.

In order to continue this trend of excellence in forensic services, the Office has sought certification by the National Association of Medical Examiners, which included an extensive review of the Office and its procedures and culminated with on-site inspection by the accrediting agency. Full accreditation for the Office was received in 2010 with only 61 other offices throughout the United States achieving this goal.

Due to the history of providing forensic services to coroner and medical examiner offices throughout the area, additional certification was sought from the Internals Association of Coroners and Medical Examiners. After a separate extensive review of the Office and its procedures, as well as on-site inspection by the accrediting agency, the Office was granted full accreditation. Currently, there is only one other forensic office in the United States that holds this joint certification.

## PROGRAMS / SERVICES

- Provide high quality death investigations, including complete autopsies, toxicological and laboratory analyses.
- Respond to death scenes and conduct investigations daily, at all hours.
- Assist law enforcement in active investigations by interpreting and disseminating accurate information to investigating agencies in a timely manner.



# Department Summary

Michael B. McGee, M.D.

300 East University Ave.



MEDICAL EXAMINER

## GOALS & STRATEGIES

### **Strengthen individual, family and community health, safety and well-being.**

- Increase public safety through high rate of homicides cleared.
- Further community health and well-being through education and increased participation in donor programs.

### **Cultivate economic prosperity and invest in neighborhoods with concentrated financial poverty.**

- Proactive engagement with partner organizations to report on trends in Ramsey County that impact economic prosperity.
- Provide fair and equitable access to services regardless of religious beliefs or financial ability.

### **Enhance access to opportunity and mobility for all residents and businesses.**

- Enhance collaboration and outreach with county departments and regional partners to increase awareness and education.

### **Model forward-thinking investment, fiscal accountability and transparency.**

- Maintain fiscal accountability by following Medical Examiner guidelines.
- Continue operational excellence through accreditation by the office and investigators.

# Department Summary

Michael B. McGee, M.D.

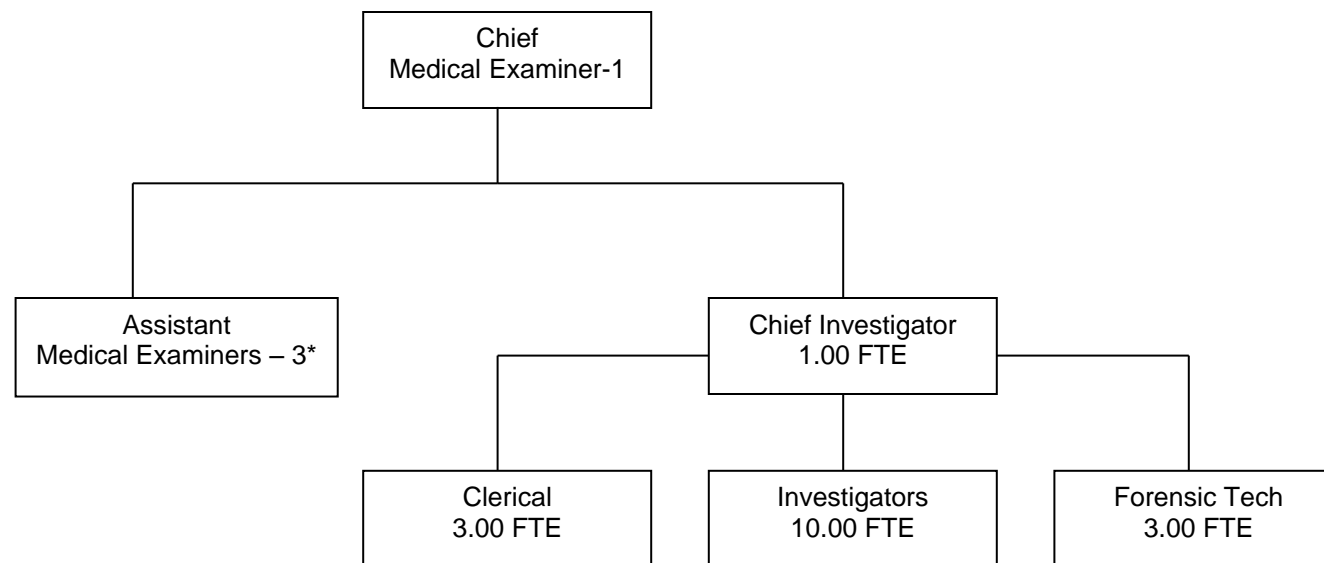
300 East University Ave.



MEDICAL EXAMINER

## 2017 ORGANIZATION CHART

Personnel - FTE  
2016 Budget - 16.00  
2017 Budget - 17.00  
2018 Proposed - 18.00  
2019 Proposed - 18.00



\*Contracted Service

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

Dept Name & Code # Medical Examiner

FUNDING SOURCE	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 495,859	\$ 495,859	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	-	-	-	-	-	-	-
State Funds	-	-	-	-	-	-	-
Other (Specify)	-	-	-	-	-	-	-
<b>TOTALS (Must agree with Summary by Project)</b>	<b>\$ 495,859</b>	<b>\$ 495,859</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

Dept Name & Code # Medical Examiner

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
1	X-Ray Machine	\$ 349,000	\$ 349,000	\$ -	\$ -	\$ -	\$ -	\$ -
2	Cart Replacements	90,101	90,101	-	-	-	-	-
3	Storage System & Equipment	56,758	56,758	-	-	-	-	-
<b>TOTALS (Last Page Only)</b>		<b>\$ 495,859</b>	<b>\$ 495,859</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING 6**

<b>Department Name &amp; Medical Examiner</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
Code #: <u>510101</u>	Item: <u>X-Ray Machine</u>	Or ROUTINE (Maintenance)	<u>X</u>	<u>X</u>
<b>Account:</b> 441201___ 441212___	<b>Dept Priority</b>	<b>CM Ranking</b> <u>13</u>	<b>CIPAC Ranking</b> <u>1</u>	
441202___ OTHER_____	<b>Number:</b> <u>1</u>			

**PROJECT DESCRIPTION:**

Request funding for the purchase of a digital radiography system that delivers complete whole body high resolution radiographic images in under a minute. This purchase would allow the office to have a modern radiographic system housed within the Medical Examiner's Office that would perform, develop, and retain all x-rays.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 349,000	\$ 349,000	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 349,000</b>	<b>\$ 349,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Detection Solutions

**Date of Estimate:** 1/2/2017

**NARRATIVE JUSTIFICATION:**

The current x-ray machine is a portable unit that was purchased shortly after moving into the current facility in 1996. This unit continues to function and is used on a daily basis as part of the examination and identification process carried out by the office on the examination of the deceased subjects. The capability for radiologic examinations of the deceased is a requirement of NAME and IACME and is essential for daily operation of the office to maintain certification. Technology has changed since the unit was purchased and x-rays are currently developed digitally using a reader unit. The office does not own a reader. Regions Hospital has allowed our office to use their readers. We have recently been informed by the hospital that due to continuing changes in technology, the hospital will not replace the current readers and will move to a new type of technology development. As a result, the office is operating with a 20yr old machine and access to developing equipment that will not be accessible from the hospital in the future. If either of these events should occur, the office will have to purchase a similar replacement that utilizes old technology.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	<u>    </u>	7. Provide Public Service	<u>X</u>	<u>    </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>    </u>	<u>X</u>	8. Provide Public Convenience	<u>    </u>	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	<u>    </u>	9. Enhance County Image	<u>X</u>	<u>    </u>
6. Protect Property	<u>    </u>	<u>X</u>			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Medical Examiner**

**Project Title or**

**Code #:** 510101

**Item:** X-Ray Machine

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

The office is operating with a 20 yr old x-ray machine and access to developing equipment that will not be accessible from the hospital in the future.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?    Yes\_\_\_    No\_ X    When? \_\_\_\_\_  
If project was funded, are carryover funds available?    Yes\_\_\_    No\_\_\_  
Year(s) and amounts budgeted and expended    Year(s) \_\_\_\_\_    Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

The ability for the Medical Examiner's Office to be self sufficient with new radiologic technology. It would allow the office to plan for future maintenance costs (\$24,000/year).

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Fees generated by the use of the machine will provide added revenue.

**Estimated Useful Life:**    30 years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 with bonds.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$349,000 in 2018.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING 12**

<b>Department Name &amp; Medical Examiner</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
<b>Code #:</b> <u>510101</u>	<b>Item:</b> <u>Cart Replacements</u>	Or ROUTINE (Maintenance)	<u>   </u>	<u>X</u>
<b>Account:</b> 441201 <u>   </u> 441212 <u>   </u>	<b>Dept Priority</b>			
441202 <u>   </u> OTHER <u>          </u>	<b>Number:</b> <u>2</u>	CM Ranking <u>12</u>	CIPAC Ranking <u>7</u>	

**PROJECT DESCRIPTION:**

Request funding for purchase of 25 Autopsy Carts including chassis and cart tops.C

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING				
		2018	2019	2020	2021	2022
County Funds	\$ 90,101	\$ 90,101	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals (Project/Item Funding)</b>	<b>\$ 90,101</b>	<b>\$ 90,101</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Mopec Inc

**Date of Estimate:** 1/4/2017

**NARRATIVE JUSTIFICATION:**

Currently there are 25 portable autopsy carts in the Medical Examiner's Office. These carts were purchased in 1996 and have been used continuously since that time. Repairs have been attempted in the past but this has proven to be only a temporary fix given the demands of the office. As a result, they are in need of replacement. Many of the wheels and locking mechanisms fail to work correctly making the loading and examining of bodies difficult and at times dangerous for employees.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	<u>   </u>	7. Provide Public Service	<u>X</u>	<u>   </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>   </u>	<u>   </u>	8. Provide Public Convenience	<u>X</u>	<u>   </u>
5. Reduce Operating Costs	<u>X</u>	<u>   </u>	9. Enhance County Image	<u>X</u>	<u>   </u>
6. Protect Property	<u>   </u>	<u>   </u>			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Medical Examiner**

**Project Title or**

**Code #:** 510101

**Item:** Cart Replacements

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

The carts will continue to deteriorate causing unsafe conditions for employees.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes\_\_\_      No\_ X      When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes\_\_\_      No\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:**      20 years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 with bonds.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$90,101 in 2018.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2016-2021)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING 7**

<b>Department Name &amp; Medical Examiner</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	<b>Yes</b>	<b>No</b>
<b>Code #:</b> <u>510101</u>	<b>Item:</b> <u>Storage System &amp; Equipment</u>	Or ROUTINE (Maintenance)	___	___
<b>Account:</b> 441201___ 441212___	<b>Dept Priority</b>			
441202___ OTHER_____	<b>Number:</b> <u>3</u>	CM Ranking <u>6</u>	CIPAC Ranking <u>10</u>	

**PROJECT DESCRIPTION:**

Request funds to purchase collapsible storage system, grossing station and chest freezer.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING				
		2018	2019	2020	2021	2022
County Funds	\$ 56,758	\$ 56,758	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 56,758</b>	<b>\$ 56,758</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Mortuary Response Solutions, Mopec, Thermo Fisher

**Date of Estimate:** 1/5/2017, 1/12/2017

**NARRATIVE JUSTIFICATION:**

The collapsible storage rack would allow for a maximum storage fo 50 deceased individuals within the existing facility. Combined with the capability of the mobile mortuary response trailer, this would provide the needed equipment for responding to a multiple fatality incident. The grossing station & the chest freezer would replace aging & outdated equipment.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>	___
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2016-2021)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Medical Examiner**

**Project Title or**

**Code #:** 510101

**Item:** Storage System & Equipment

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Without the emergency racking system, we would be forced to move offsite for examinations and investigations, in the event of a multiple fatality incident. This would come at a considerable cost to the county. The grossing station is used by pathologists to cut tissue samples and is essential to determine cause and manner of death. The station we currently have should be replaced with new plumbing and dual ventilation systems for the safety of employees. The chest freezer would replace a broken 1996 -85C DNA freezer. We are required by law to retain samples indefinitely. Since 1996 the process has changed for retaining samples. Recently, the freezer broke down. After evaluating the cost to repair & the amount of use, it was determined that a smaller 1 cubic foot chest freezer would better fit our needs. NAME & IACME still require the office to access to -85C freezer space.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes       No       When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes       No   
Year(s) and amounts budgeted and expended      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** 30 years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 with bonds.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$56,758 in 2018.

# Department Summary

Jon Oyanagi, Director

2015 Van Dyke Street



## PARKS & RECREATION DEPARTMENT

### VISION

**A vibrant community where all are valued and thrive.**

### MISSION

**A county of excellence working with you to enhance our quality of life.**

### DEPARTMENT OVERVIEW

The Ramsey County Parks and Recreation Department is responsible for planning, developing, and maintaining a system of regional parks and trails, county parks and trails, open space, golf courses, ice arenas and special use areas. This system encompasses over 6,500 acres of land and serves over 5 million visitors annually. Each park and trail corridor has unique charm and includes facilities for one or more of the following: hiking, biking, cross-country skiing and running, picnicking, children's play, nature study, swimming, boating, fishing, sledding, archery and off-leash dog activity. Thirteen indoor arenas provide year-round venues for ice skating, hockey, curling, roller-derby, graduations, flea markets and other large events. For outdoor fun, the department manages five golf courses, five guarded beaches, three unguarded beaches and an aquatic center. There are educational and recreational opportunities at Tamarack Nature Center complete with an early learning center, nature programs and day camp. The department has a Parks and Recreation Commission made up of citizens representing each county commissioner district along with two at-large members. The group provides community advice on policies, programs, and facility design.

### PROGRAMS / SERVICES

The majority of visitors are engaged in self-directed recreational activity; however, programs are offered to enhance recreational skills and promote a positive environmental ethic. The following department activities support a county of excellence by providing quality control, planning and development, management, natural resources, recreational opportunities, education and partnerships that work to enhance our quality of life.

- Manage the business affairs of the department including human resources, procurement of commodities and services, finance and accounting, in a manner consistent with established County policies, rules and procedures.
- Plan, design and manage capital improvements within parks and recreation areas in order to preserve, maintain and/or improve services.
- Manage the natural resources within the parks and recreation system, consistent with the Parks and Recreation Department's Natural Resources Management Plan, which focuses on protection of high quality environmentally sensitive areas, restoration of degraded areas and maintenance of critical natural processes.
- Provide high-quality facilities and customer service while maximizing revenue through the management of special recreation facilities, including golf courses, ice arenas, an aquatic center and a nature center.

# Department Summary

Jon Oyanagi, Director

2015 Van Dyke Street



## PARKS & RECREATION DEPARTMENT

- Maintain high-quality county and regional parks and trails that are attractive, safe and accessible to all.
- Provide high-quality environmental education and outdoor recreation experiences (programs and self-directed services) that increase awareness and appreciation of nature.
- Partner with other governmental entities, schools, non-profit groups and youth organizations to provide a wide variety of educational and recreational programs for people of all ages, including early childhood development.
- Contribute positively to improve overall health in the community by coordinating programs that create and promote safe, convenient environments for people to integrate physical activity into their lives.

### **GOALS & STRATEGIES**

#### **Strengthen individual, family and community health, safety and well-being.**

- Provide access to well-maintained county and regional parks, offering a variety of services and facilities that promote healthy and active living for all residents of Ramsey County.
- Provide early learning opportunities with a nature-based curriculum.
- Promote environmental stewardship through preservation and restoration of natural resources.

#### **Cultivate economic prosperity and invest in neighborhoods with concentrated financial poverty.**

- Engage in proactive and constructive partnerships and dialogues with residents from all neighborhoods, races, classes and cultures.
- Offer programming that reaches across economic levels and allows opportunities for all residents.
- Create and expand opportunities for local, diverse small businesses and workers through Ramsey County's procurement efforts.

#### **Enhance access to opportunity and mobility for all residents and businesses.**

- Offer educational programming and opportunities, including the classes offered through the Tamarack Nature Center, and provides a field trip destination for schools throughout the region.

# Department Summary

Jon Oyanagi, Director

2015 Van Dyke Street



## **PARKS & RECREATION DEPARTMENT**

- Build, promote and improve pedestrian bike and trail systems that are accessible to all residents of Ramsey County and connect the County to other regional trail networks.
- Develop and maintain a regional park system, accessible to all residents of the county and surrounding areas.

### **Model forward-thinking investment, fiscal accountability and transparency.**

- Invest in the development and maintenance of parks and trail systems through grant opportunities and regional maintenance funding.
- Implement cost and energy saving measures at the various parks facilities and buildings, taking advantage of available programs and funding sources, including capital improvement funding.
- Reach out to residents of Ramsey County through social media and other methods to provide information on the many available parks opportunities.
- Strive to be accredited through the Commission for Accreditation for Parks and Recreation Agencies (CAPRA).
- Actively recruit and engage volunteers to serve in a variety of capacities throughout the park system.

# Department Summary

Jon Oyanagi, Director

2015 Van Dyke Street



## PARKS & RECREATION DEPARTMENT

### 2017 ORGANIZATION CHART

#### Personnel - FTE

2016 Budget - 94.46

2017 Budget - 93.86

2018 Proposed - 93.11

2019 Proposed - 93.11



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

Dept Name & Code # Parks and Recreation/660000

FUNDING SOURCE	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 3,831,078	\$ 1,144,555	\$ 1,191,523	\$ 260,000	\$ 310,000	\$ 425,000	\$ 500,000
Federal Funds	-	-	-	-	-	-	-
State Funds	4,894,000	1,518,000	100,000	1,558,000	100,000	1,518,000	100,000
Other (Specify)	8,203,430	1,217,820	1,292,090	1,423,380	1,423,380	1,423,380	1,423,380
<b>TOTALS (Must agree with Summary by Project)</b>	<b>\$ 16,928,508</b>	<b>\$ 3,880,375</b>	<b>\$ 2,583,613</b>	<b>\$ 3,241,380</b>	<b>\$ 1,833,380</b>	<b>\$ 3,366,380</b>	<b>\$ 2,023,380</b>



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

**Dept Name & Code #** Parks and Recreation/660000

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
1	ADA Impelementation-County Facilities	\$ 1,200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
2	Natural Resource Habitat Restoration	600,000	100,000	100,000	100,000	100,000	100,000	100,000
3	Island Lake County Park Channel Bridge	248,000	248,000	-	-	-	-	-
4	Keller Practice Facility	596,555	596,555	-	-	-	-	-
5	Vadnais Sports Center Parking Lot Imp	581,523	-	581,523	-	-	-	-
6	Beaver Lake County Park Master Plan	100,000	100,000	-	-	-	-	-
7	Satellite Maintenance Facility	110,000	-	110,000	-	-	-	-
8	Poplar Lake County Park Master Plan	300,000	-	300,000	-	-	-	-
9	Regional Park & Trail CIP/Legacy	12,457,430	2,635,820	1,292,090	2,841,380	1,423,380	2,841,380	1,423,380
10	Capital Asset Management-Admin/Maint	100,000	-	-	100,000	-	-	-
11	Capital Asset Management-Parks	635,000	-	-	-	110,000	225,000	300,000
<b>TOTALS (Last Page Only)</b>		<b>\$ 16,928,508</b>	<b>\$ 3,880,375</b>	<b>\$ 2,583,613</b>	<b>\$ 3,241,380</b>	<b>\$ 1,833,380</b>	<b>\$ 3,366,380</b>	<b>\$ 2,023,380</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING 1**

<b>Department Name &amp; Code #:</b> Parks and Recreation/660000	<b>Project Title or Item:</b> ADA Implentation County Park, Arena and Golf Facilities	NON-ROUTINE (New/Renovation) Or ROUTINE (Maintenance)	Yes <u>X</u>	No <u>   </u>
<b>Account:</b> 441201___ 441212___ 441202___ OTHER_____	<b>Dept Priority Number:</b> <u>1</u>	<b>CM Ranking:</b> <u>2</u>	<b>CIPAC Ranking:</b> <u>3</u>	

**PROJECT DESCRIPTION:**

In 2015, the Parks and Recreation Department hired a contractor, Recreation Accessibility Consultants, to conduct an assessment of all Department facilities for compliance with the American with Disabilities Act ("ADA"). This assessment, and recommended priorities and estimates for correction of items not in compliance with Title II requirements, was compiled into a Transition Plan for physical accessibility at County (ice arenas, golf courses, county parks and buildings) and Regional Park/Trail facilities. The total estimate to bring all Department facilities up to ADA compliance was \$4,094,584. Where feasible the Department will coordinate repairs with scheduled maintenance or capital projects. This project will modify existing non-compliant physical accessibility items not anticipated to be corrected in the course of scheduled maintenance or capital projects at County Parks and Golf Courses.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 600,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ 600,000	100,000	100,000	100,000	100,000	100,000	100,000
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 1,200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>	<b>\$ 200,000</b>

**Who Prepared Cost Estimate:** Recreation Accessibility Consultants

**Date of Estimate:** 12/16/2015

**NARRATIVE JUSTIFICATION:**

Section 504 of the Rehabilitation Act requires state and local governments and other entities receiving federal funding to make their programs, activities, services and facilities accessible to individuals with disabilities. Title II of the ADA expands this requirement to all state and local governments, whether or not they receive federal funds. Regardless of a public entity's size, Title II applies and seeks to ensure access to all publicly funded programs, services, and agencies. In addition, Title II of the Act specifically prohibits disability discrimination by all public entities at the local and state level. Under the Title II mandate, local governments are required to provide both programmatic and physical accessibility. Programmatic accessibility includes physical accessibility, and also encompasses all the policies, programs, and procedures that support people with disabilities in participating in programs and accessing important information. The ADA was updated in 2010 and identified 2012 as the year agencies needed to be in compliance with the changes and new additions. The 2015 assessment indicated over 5000 items need attention.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	<u>   </u>	7. Provide Public Service	<u>X</u>	<u>   </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	<u>   </u>	8. Provide Public Convenience	<u>X</u>	<u>   </u>
5. Reduce Operating Costs	<u>X</u>	<u>   </u>	9. Enhance County Image	<u>X</u>	<u>   </u>
6. Protect Property	<u>X</u>	<u>   </u>			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING 1**

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** ADA Implentation County Park,  
Arena and Golf Facilities

Or ROUTINE  
(Maintenance)

X

\_\_\_

\_\_\_

\_\_\_

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Any aspect of a facility not in compliance with ADA places the County in violation with Section 504 of the Rehabilitation Act and Title II requirements, i.e. federal law. There is no "grandfather" clause in the ADA, meaning that facilities constructed prior to ADA enactment are NOT exempt from compliance. All public facilities, including parks and recreation facilities, are required to comply with ADA. Any citizen could lodge a non-compliance claim with the federal Department of Justice which could subject the County to fines and lawsuits. Additionally, the Department strives to provide an inclusive environment at all its facilities, and failure to address items of noncompliance will reflect negatively on the Department's and County's image.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes \_x\_      No \_\_\_      When? \_2016/17 request\_\_\_\_\_  
 If project was funded, are carryover funds available?      Yes \_\_\_      No \_\_\_  
 Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

None

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

None

**Estimated Useful Life:**      various based on component life cycles

**Estimated Payback Period:**      n/a (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 and 2019 with bonds and state funding.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$100,000 and state funding of \$100,000 in 2018 and bond proceeds of \$100,000 and state funding of \$100,000 in 2019.



November 30, 2015

Scott Yonke  
Director of Planning and Development  
Ramsey County Parks and Recreation Department  
2015 North Van Dyke Street  
Maplewood, MN 55109-3796

Dear Scott:

Please accept this letter as the introduction to our final report to the Ramsey County Parks and Recreation Department, in regard to our access audit of Department buildings and sites.

**Authority**

Title II of the Americans with Disabilities Act (42 USC 12131) prohibits more than 89,000 units of state and local government, such as the Ramsey County Parks and Recreation Department from discrimination on the basis of disability in the delivery of programs and services. The definition of programs and services is broad and includes public parks, recreation programs, and the many opportunities made available for the enjoyment of your residents by the Department.

The Department of Justice (DOJ) issued an amended implementing regulation for title II, which became effective on March 15, 2011. This supplemented the regulation issued January 26, 1992. The DOJ regulation is integral to this audit and can be found at 28 CFR Part 35. The amended regulations were anticipated for quite a few years.

Title II requirements that come into play in our work for the Department include:

- section 35.105 self evaluation;
- the section 35.133 maintenance requirement;
- the section 35.150 program access test regarding existing sites;
- the section 35.151 requirements for new facilities and alterations to old facilities, and
- the section 35.163 requirements regarding building signage.

**Final and Enforceable Regulations...and Final Guidelines**

Regarding parks and recreation site and facility design, two sets of federal guidelines were applied to the Department access audit. One is the Americans with Disabilities Act Accessibility Guidelines, also known as ADAAG.

Published by the US Department of Justice (DOJ) on July 26, 1991 as Appendix A to 28 CFR Part 36, this final and enforceable regulation is now known as the 1991 Standards. This older Standard adequately addresses entries, showers, curb cuts, doors, service counters, ramps, decks, and other typical building elements.

On September 14, 2010 the DOJ published the 2010 Standards for Accessible Design. As these Standards were already available as a final guideline, we have long used this as our guide for an access audit. It addresses many recreation environments.

The US Access Board developed the 2010 Standards, which include requirements for playgrounds, fishing areas, boating areas, and more. This process started in 1993 and lasted for almost 20 years.

It is important to know that there is ***not yet a final standard*** for some Ramsey County assets. Still pending are standards for trails, picnic areas, campsites, viewing areas, and outdoor constructed elements such as grills. Where we encountered those assets we used the most recent work of the US Access Board to guide our evaluation. The Access Board, a federal agency, develops ***all*** access guidelines.

***We cite to the 2010 Standards in our work.*** Where Minnesota access standards are more stringent, we cite to those. Additionally, as a smart practice we cite to the work of the US Access Board.

**Approach and Analysis**

Section 35.150 of the DOJ regulation implementing the ADA makes it clear that not necessarily every facility or site of the same type must be made accessible. We interpret this requirement to mean that with similar sites, such as play areas, the Department has some flexibility in determining which site it will make accessible.

However, for unique sites, such as Battle Creek Water Works, the Department has no choice with regard to which site it will make accessible, as there is only one such site. Where we know the Department plans work at certain sites, we have tried to incorporate that in our phased retrofit recommendations.

In an access audit, it is critical to measure each feature of each element of each site, as we have done here. Where we found a variance from access requirements or a smart practice variance, we have digital images so that the Department will better understand the variance.

Our scope of work for the Department also included the identification of a severity rating for retrofit work, as well as facility diagrams. The diagrams don't address every deficit, but do illustrate the correction to be made.

An additional issue is whether a building has been altered since 1992. If so, there is little flexibility in how access requirements are applied to that site. That site or building should have fully complied with the 1991 Standards.

Settlement agreements by federal agencies (Justice, Interior, and Education) adhere to what are now the 2010 Standards. While these were effective for new construction on March 15, 2012, ***the 2010 Standards are to be used in evaluating recreation sites now in existence.***

### **Report Format**

Our audit included an examination of 41 facilities or parks. Each facility or park has its own section in our final report. Our Conclusion section is found at the end of the site reports.

Here is an order of the reports:

1. This cover letter;
2. 41 site reports from the Aldrich Arena to White Bear Lake County Park;
3. Conclusion report with summarized recommendations;
4. A phased transition plan with cost references as well as severity rating; and
5. Program access grid and maps for playgrounds, ball fields, sports fields and picnic areas.

The Department is receiving one hard copy in six binders. The first and second binders have all the final site reports, the program access grid and maps, and the transition plan grid. The remaining four binders have all of the checklists.

Finally, you'll receive a user name and password to our FTP site, where all reports, checklists, and images are available for Department employees and contractors as you wish. Once downloaded; on your screen, the text in the reports section includes a hyperlink to the checklist and the photo being referenced. The checklists also have a hyperlink to the same access deficit images

### **Title II Program Access**

As mentioned above, the title II program access test in 35.150(b) gives the Department great flexibility in making existing facilities and sites ***that have similar features*** accessible. For example, we counted 20, 5 to 12 play areas. Not all of those sites must be accessible.

The program access test requires the Department to make the “program of play areas” accessible to all Department residents. Our goal was then to have at least 1 of every 3 five to twelve play areas accessible, or able to be made accessible. Here is a summary of the results.

There are 20 playgrounds for children aged 5 to 12. Three are currently accessible. The Department could create access to four more without much difficulty and leave the remaining 13 playgrounds “as is” and inaccessible, until those are renovated due to age or for other purposes.

This exceeds the ratio we recommend of 1 of every 3 recurring sites.

Where we believe a site should be made accessible to comply with the program access test, leading into the recommended corrective work our reports will use language like that below:

***“Recommendations (Long Lake Regional Park is designated with an accessible 5 to 12 play area so 1.4.1 through 1.4.6 is integral to compliance with title II program access test):”***

Conversely, where we believe a site need not be made accessible, leading into the recommended corrective work our reports will use language like that below:

***“Recommendations (in the alternative to 1.3.1, leave as is and designate other Department play areas as accessible):”***

We applied this concept to the duplicated elements of volleyball, tennis, basketball, baseball, athletic fields and picnic areas. We believe our recommendations to you make these “programs” accessible to Department residents.

### **How to Use this Information**

***First, read this final report cover letter to Scott Yonke.*** It describes the concepts and requirements invoked throughout the reports.

***Second, read the Conclusion section.*** This is a big picture review of the issues and solutions we recommend.

***Third, read the 41 site reports.*** Use your computer and you’ll have instant access to the report for that site, the images of access deficits, and the checklists. Resist the urge to visit these first...do so at the risk of being buried in detail.

***Fourth, use your knowledge of the sites and of your staffs’ expertise.*** You know Ramsey County Parks and Recreation Department sites very well, and you know the staff better than we do. Blend in what you know with what we recommend in the report. There is always another way to solve an access problem...perhaps you’ll be the one to see that solution.

**Conclusion**

The final reports identify, we believe, every access deficit at the sites, as required by section 35.105 of title II. We have, in our approach to program access, made recommendations so that not every access deficit needs to be corrected.

Our recommendations are flexible enough that later modifications, should your own plans change, can occur. We worked well with all Ramsey County Parks and Recreation Department staff, but owe a special thanks to you, Scott, for your assistance.

The Ramsey County Parks and Recreation Department has shown its commitment to making parks and recreation available for all in the community, including people with disabilities. Addressing our recommendations will assure that those services are available to Ramsey County residents, including those with disabilities.

If there are any questions, please call me at 224/293-6451 or on my cell at 847/363-9384.

Sincerely,

John N. McGovern, J.D.  
President

JNM/RCPRD COVER LETTER 201501



**recreation accessibility**  
consultants, llc



# **FINAL REPORT TO THE Ramsey County Parks and Recreation Department**

## **Conclusions and Recommendations**

**November 30, 2015**

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**One Source,  
Infinite Solutions.**

**2675 Pratum Avenue  
Hoffman Estates, Illinois 60192  
224/293-6451 Fax: 224/293-6455**

## ***All Site Conclusions and Recommendations***

### **Background**

A step-by-step approach will help the Ramsey County Parks and Recreation Department understand and address the deficits in the individual site reports. We recommend the following steps to accomplish the goal of making opportunities in Department sites more accessible to people with disabilities.

### **A Guide to this Section**

There are approximately 5100 access deficits identified in the 41 site reports. That is what is required by the ADA, the identification of every access deficit at every site and facility. And, for every deficit, a solution must be identified. Another way to consider this though is that for every deficit we found, we observed 10 elements that complied with the access requirements. In other words, we saw approximately 51,000 access features that complied.

***This section is all about the big picture. As discussed in the cover letter with this report, the Department does not necessarily have to make every site accessible. It does have to make every program it conducts within its sites accessible.***

We have attempted to identify some broad solutions, such as the refreshing of all accessible parking, as a way to address issues identified in the earlier 41 site reports, and as a way for the Department to better manage compliance. This approach also gives the Department flexibility within its compliance efforts to move resources so that they are applied with optimal impact. Consider these systemic changes as a complement to a site-by-site approach.

However, the scope of our work does not include the design of a solution. Rather, it is performance based. For example, if a park restroom needs to be made accessible we'll make that recommendation. We will not design a solution that includes walls to be removed or plumbing solutions. Those are tasks for Department staff or contractors.

We know of qualified and capable designers. If, once you are considering implementation, need references we can certainly help with that.

***This is also about accountability.*** The adjustments to door closers, eliminating changes in level, and other recommended actions are ineffective if not maintained over time by Department employees. We recommend the following to facilitate review:

***First, read the final report cover letter to Scott Yonke.*** It describes the concepts and requirements invoked throughout the report.

***Second, read this Conclusion section.*** As mentioned above, this is a big picture review of the issues and solutions we recommend.

Ramsey County Parks and Recreation Department  
Access Audit and Transition Plan Conclusions and Recommendations  
November 30, 2015 page 3

*Third, read the 41 site reports.* Use your computer and you'll have instant access to the report for that site, the photos, and the checklists.

*Fourth, use your knowledge of the sites and of your staffs' expertise.* You know the Ramsey County Parks and Recreation Department sites better than we do, and you certainly know the staff better than we do. Blend in what you know with what we recommend in the report. There is always another way to solve an access problem...perhaps you'll be the one to see that solution.

### Common Issues

In our evaluation, some common issues arose. These included the way maintenance affects accessibility to playground surfaces used. The common issues are also "big picture" items for the Department and incorporate many of the specific site recommendations.

#### Maintenance

The Department uses a conscientious staff to maintain its facilities and sites. However, over time, every facility and site yields to wear and tear. The recommendations below describe ways in which attention to maintenance can specifically address some access deficits.

1. **Provide training** to maintenance staffs regarding the features of an accessible route and how to ensure that it remains unobstructed so that park amenities, e.g., garbage cans or signs, are placed adjacent to the accessible route.
2. **Provide training** to recreation staffs regarding the features of an accessible route and how to ensure that it remains unobstructed.
3. **Purchase some new tools.** The Department should have enough battery-powered digital levels, and tools to measure pounds of force for doors, to equip some staff for occasional spot-checks. A great website for gauges is:

<http://www.technologyk.com/crt-door-pressure-gauge-1k-HMCO35.htm?src=froogle>.

#### Changes in Level and Gaps

The routes and sidewalks that make up the Departments network of accessible routes are in fair condition. Wear and tear, settling, weather, and other factors combine to cause changes in level and gaps along portions of those accessible routes, making that portion noncompliant and a barrier to many customers with physical and sensory disabilities.

Removing changes in level and gaps has a significant universal design benefit too, as more people with all types of conditions can more easily use Department routes, such as staff pushing carts of supplies, parents with kids in strollers, and people using an assistive device such as a wheelchair, Segway, or walker.

4. **Eliminate changes in level** by the end of 2016. Using the rationale that the most severe changes in level are the greatest barriers to access, make changes in level of greater than .75" the highest priority. Make changes in level of between .5" and .75" the second priority. Make beveling of changes in level of .25" to .5" the third priority.
5. **Add change in level of more than .25" to park maintenance safety checklists** in 2016. This will help identify and correct these problems before they expand. Make or buy pre-measured shims and distribute to employees for their use and ease of measurement.
6. **Add inspections for gaps of greater than .5" to park maintenance safety checklists** in 2016. Identify and fill these gaps before they expand. **In the alternative, consider resurfacing segments of deteriorated asphalt routes.**
7. **Adopt a policy** about the use of other Power Driven Mobility Devices in Department facilities and at Department sites, and promote that policy to the general public. Every day, more people with limited physical mobility start to use a Segway or similar machines.  
**Pursuant to the new ADA title II regulation published September 14, 2010, this policy was to have been in place by March 15, 2011.**

These assistive devices provide great benefits to people with disabilities and the sooner the Department has a policy in regard to their use the better. The policy could, at a minimum, address times of allowed use (dawn to dusk), speed limits, off-limits areas, status of the user as a person with a disability, and minimum age.

It is important to note that a power driven mobility device is not a wheelchair. That device has a separate definition and is already allowed in facilities and parks.

The components of a policy are noted below. **The Department is welcome to use some, all, or none of this, but a policy must be in place. We recommend at least the following statements:**

**Definition:** *Other power-driven mobility device* (OPDMD) means any mobility device powered by batteries, fuel, or other engines—whether or not designed primarily for use by individuals with mobility disabilities—that is used by individuals with mobility disabilities for the purpose of locomotion, including golf cars, electronic personal assistance mobility devices (EPAMDs), such as the Segway® PT, or any mobility device designed to operate in areas without defined pedestrian routes, but that is not a wheelchair within the meaning of this policy.

**Definition:** *An electronic personal assistive mobility device* (EPAMD) is a device used by a person with a mobility impairment for ambulation. This definition does **not** include gasoline powered devices, golf cars, or riding lawn mowers.

**Permission:** The Ramsey County Parks and Recreation Department authorizes persons with mobility impairments to use OPDMDs and EPAMDs in Department facilities and sites subject to the following restrictions:

1. The operator of the device must be a person with a mobility impairment, and upon request by Department officials, shall produce proof of such within 72 hours;
2. The device, if used in a facility or in a park, is allowed in any area of the facility or park in which the general public is allowed, with the exception of employee only spaces, stairways, and identified hazardous areas;
3. The device, if used in a facility, must be controlled by the operator. It:
  - A. may not exceed 4 mph;
  - B. shall be driven on the right side of the circulation route;
  - C. is prohibited from carrying another person on the frame, or any object on the frame that may make the device less stable; and
  - D. must not be operated in a dangerous or reckless manner that jeopardizes the safety of the operator, Department employees, or Department participants.
4. The device, if used in a park or outside, must be controlled by the operator. It:
  - A. may not be operated between dusk and dawn unless equipped with headlights that are visible at 300';
  - B. may not exceed 6 mph;
  - C. shall not be driven into wet or ecologically sensitive areas which are posted as such;
  - D. shall be driven on the right side of the circulation route;
  - E. is prohibited from carrying another person on the frame, or any object on the frame that may make the device less stable; and
  - F. must not be operated in a dangerous or reckless manner that jeopardizes operator safety, Department employees, or Department participants.
5. The Department accepts no responsibility for storage of the device.

6. The Department accepts no liability for damage to the device, or injury to the operator, whether caused by the operator, another visitor to a Department facility or site, or any other circumstance.
7. The Department accepts no liability for damage caused by the operator of the device, or injury to others caused by the operator of the device.
8. The Department reserves the right to suspend the use of facilities or sites by the operator if doing so is in the best interests of the Department and its participants.
9. The Department reserves the right to change, modify, or amend this policy at any time, as it would any other policy.

#### Obstructed Accessible Routes

Employees *may* see an accessible route as an empty 36” wide space in which a potted plant or garbage can is a perfect fit. However, that blocks or obstructs the accessible route

8. ***Provide training to park maintenance, recreation, and administration staffs*** regarding maintenance of accessible routes in parks and in recreation facilities.

#### Employee Work Areas

The Ramsey County Parks and Recreation Department employs many qualified and skilled full time staff, making parks and recreation services available to residents. The Department employs many more on a part-time or seasonal basis. The Department likely already has employees with disabilities and in the future, will have *more* employees with disabilities, in all categories...full time, seasonal, and regular part time.

It is important to address access to work areas, and both the title II regulation and the work of the Access Board do so. In section 203.9 of the 2010 Standards for Accessible Design, the treatment of employee areas is made clear.

Generally, a person with a disability should be able to ***approach, enter, and exit*** the work area. This is addressed by requirements for accessible routes and accessible means of egress. Other factors are door width, and threshold changes in level.

Excluded from this exception are several types of common spaces in employee areas. Spaces such as the ones below must meet the access guidelines as they are excluded from the definition of employee-only areas:

- corridors;
- toilet rooms;
- kitchenettes for employee dining use, and
- break rooms.

In short, the key issues are the accessible route, changes in level, doors and entries, and maneuvering space once within the work area. This approach is effective so long as when the Department hires an employee with a disability, or a current employee acquires a disability, it will remove architectural barriers in work areas or make other accommodations. The two recommendations below are important for all employees at all Department sites.

9. **Address accessibility in the Department personnel policies**, and note that, upon request by an employee, the Department will make reasonable accommodations, which *may* include the removal of architectural barriers in work spaces.
10. **Require new construction, and alterations or additions** that include employee work areas to be designed and constructed so they are compliant with the 2010 Standards for Accessible Design.

#### Accessible Parking

The Department maintains approximately 4400 standard parking spaces at sites, and 266 more that are designated as accessible parking stalls. In correcting or refreshing its accessible stalls, the Department should address all of them at once to eliminate inconsistencies and come into compliance.

The State of Minnesota has more stringent guidance for parking.

11. **Create a parking stall template.** A suggested template is below.

#### Parking Stall Dimensions

Stalls are a minimum of 8' wide. An adjacent access aisle must also be a minimum of 8' wide. The access aisle must be diagonally striped with **high quality paint**.

The collection of signs must include the US Department of Transportation R7-8 standard sign (the blue icon in a wheelchair). Below that must be the statewide fine sign. Unless the Ramsey County Parks and Recreation Department has adopted a higher fine by ordinance, the sign must note the statewide fine of between \$250.00 and \$500.00.

Federal settlement agreements require a third sign, on at least one stall, that says **VAN ACCESSIBLE**. This stall must be 11' wide with a 5' access aisle. An acceptable alternate is 8' and 8'.

Finally, the bottom edge of the R7-8 sign is a minimum of 60" and max of 66" above the finished grade. We suggest that the signpost be centered at the head of the accessible stall and we suggest that the curb cut and detectable warning run the distance of the access aisle. In Minnesota it is also a requirement that the sign be placed within 8' of the front of the stall.

*The most common deficit in accessible parking stalls and access aisles is the slope. The 2010 standards limits the slope to not more than 2.08% in any direction. This is a challenging requirement that can take considerable effort to meet.*

#### Connection to the Accessible Route

The access aisles should connect to an accessible route. The maximum running slope for the accessible route is 5%, and to account for heaving and settling, we recommend 4%. The maximum cross slope is 2%.

#### Passenger Loading Zone

The loading zone must have an access aisle adjacent and parallel to vehicle pull-up space. The loading zone access aisle must be a minimum of 60" wide and 20' long.

Confirm this template to ensure compliant stalls.

12. In 2016 **implement a plan to correct or refresh every accessible stall** at every Department facility. Incorporate this task into other plans that require parking lot repair, restriping, or resurfacing.

#### Running Slope and Cross Slope

We saw running slopes steeper than permitted. At some sites this was a minimal issue, but at other sites it was a significant variance. This condition naturally occurs when concrete settles, or when connections between new and old routes are off by fractions of an inch. Cross slope is equally important, as it serves drainage as well as access purposes.

13. **Adopt a policy** that in new construction and alterations the slope of the AR shall not exceed 1:21, or 4.7%, as opposed to 1:20, or 5%. This allows room for field error.
14. **Adopt a policy** that in new construction and alterations the ramp slope shall not exceed 1:13, or 7.7%, as opposed to 1:12, or 8.33%. This allows room for field error. It also makes ramps easier to use for everyone, not just people with disabilities. This universal design approach is also a risk management tool.
15. **Adopt a policy** that in new construction or alterations the cross slope shall be an integral part of the project and shall not exceed 2% or 1:50.

#### Detectable Warnings

The US Access Board suspended the detectable warning requirement in the late 90's, for a period of several years. It was restored in 2002. However, it is not required in the 2010 Standards.



*We still, however, as a smart practice, recommend the use of detectable warnings.* It is typical to see noncompliant detectable warnings in every community.

The detectable warnings at curbs *that are not compliant* are often a cross-cut of concrete, or a grid laid on wet concrete to create a diamond-shaped indentation. Over time these should be replaced.

16. As with parking, **develop a template for detectable warnings.**

17. In the same year that parking is refreshed, **implement a plan to correct or refresh every detectable warning** at every curb or crossing at Department facilities. If necessary, phase this out over a two or three-year period.

#### Door Opening Force Requirements

In Department buildings and facilities, there are approximately 740 doors. Many have closer mechanisms. Some of these need adjustment to bring the pounds of force (lbf) necessary into compliance (5 lbf for interior doors and 8.5 lbf for exterior doors).

However, some of the closers are just old. The wear and tear of 20 or more years erodes the closer effectiveness.

18. **Evaluate and determine the age of door closers.**

19. **Add door closer maintenance checks** to safety checklists in 2016 and for closers with 10 years of service or less, aggressively maintain them for effectiveness.

20. **Purchase and install new door closers** for all exterior doors (with closers 20 years old or more) and 50% of interior doors in 2016 or as soon as is possible.

21. **Purchase and install new door closers** for all remaining interior doors (with closers 20 years old or more) in 2017 or as soon as is possible.

#### Signage

Department signs serve several purposes. First, signs assist wayfinding in buildings, such as the Aldrich Arena.

Second, signs identify important permanent elements of facilities, such as restrooms. Third, signs facilitate access by people with vision and physical limitations. We did not note a signage template at the sites we evaluated.

The 2010 Standards treats two types of signs differently. Signs for permanent spaces, such as a bathroom, must be in both Grade 2 Braille and raised lettering. Signs that are directional or informational only require visual lettering of a certain size. Be certain to incorporate these approaches into signs in buildings and sites operated by the Department.

22. **Develop a sign template** in 2016 that describes where and in what facilities signs will be used. The template could include size of sign, mounting height, mounting location, size of characters, space between characters, contrast between characters and background, icons or symbols used in the signs, Department information in the signs (name of facility? phone number? main office number?), and more.

23. **Implement signage template and refresh** Department site signage in 2016.

### Bathrooms

Bathrooms are an essential part of a visit to a Ramsey County Parks and Recreation Department site. Exercise, food and beverage, social activities, and more all rely on one of the oldest designs known to us. Making those facilities accessible is tremendously important.

Additionally, **portable toilets** placed temporarily at sports fields and event venues **must** be accessible and **must be served by an accessible route**.

24. **Develop a bathroom template in 2015.** Confirm it with the State of Minnesota. Be sure to include temporary facilities such as portable toilets in the template. The template should address the toilet, grab bars, items in the stall such as toilet paper and hooks, the stall, operating mechanisms, mirrors, sinks, hand towels, and more.

25. **Include bathroom renovations** at facilities in the Department Capital Acquisition and Replacement Plan.

26. **Consider the use of automatic flush controls.** These have environmental benefits and are also a great way to eliminate some accessibility problems.

27. **In the interim, implement non-structural modifications recommended in each section of this report**, such as lowering mirrors, remounting grab bars, changing the height of toilets and urinals, installing compliant stall hardware, and so forth. These less costly changes on a site-by-site basis will serve your customers well until resources are available to renovate restrooms on a comprehensive scale.

28. **Make one portable toilet**, if one is provided at a site, accessible. This includes a portable toilet placed at a picnic shelter or adjacent to sports fields. These must be accessible and must be served by **an accessible route**.

**The Department has sites with portable toilets; this must be addressed. Use our single-user toilet checklist, and require compliance by Department vendors.**

### Alarms

In existing facilities where an aural or audible fire alarm system is provided, a visual alarm is not required unless the building was constructed after January 26, 1992 or has been upgraded since that same date.

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If an alarm in an existing facility is audible only, it need not be modified to include a visual alarm unless it is replaced or upgraded in the future.

29. ***Determine in 2016*** if systems have been upgraded or replaced since 1992.
30. ***Develop a plan in 2016*** for the installation of aural and visual alarms in renovations.
31. ***Retrofit construction that has occurred since 1992*** to include aural and visual alarms by the end of 2018.

**Brochures**

The use of a park grid in the Department brochures is an important tool for residents and can now be used to communicate about accessibility. Create one to incorporate the access work the Department staff completes and indicate in your grid where, for example, the accessible picnic areas are, or where the accessible playgrounds are.

32. ***Update the parks and facilities*** information on the website to reflect Department plans regarding our recommendations, and to note which sites are accessible or will be made accessible.

**Website**

The title II regulation requires that all public communication used by the Department be available to people with disabilities. Many people with vision impairments use websites every day with the aid of technical equipment.

The Department is required to evaluate its website and make necessary changes so that the website can be read by that type of equipment.

A link at the US Department of Justice website offers guidance on this. The Department IT staff should become familiar with this issue. Go to <http://www.ada.gov/websites2.htm>. The Department can also check the accessibility of its website at a free service. Link to Cynthia Says at [http://www.icdri.org/test\\_your\\_site\\_now.htm](http://www.icdri.org/test_your_site_now.htm) and test your website.

33. ***Evaluate the Department website*** and make changes so that the information on the site is accessible to people with disabilities.

**Maintenance Buildings**

In individual site reports, we address the maintenance areas. As noted earlier, the Department can apply a different standard to spaces used only as employee work areas. Department maintenance staff should receive training in regard to the application of the ***approach, enter, and exit*** strategy so that they understand the reason for the various requirements.

34. *Train maintenance staff supervisors* in accessibility concepts that are applicable to the maintenance building.

35. *Implement recommendations regarding parking, accessible route, changes in level, gaps, doors, and alarm systems* at the maintenance areas.

#### 2 to 5 Playgrounds

The *minimum required* of the Department by title II of the ADA is that the “program” of playgrounds be accessible to residents. This is measured by the “program access test” described in section 35.150 of the title II regulation (see 28 CFR Part 35).

For similar multiple sites, no guidance is given as to how many existing 2 to 5 playgrounds should be made accessible. Again, a good practice is to treat this as a planning exercise and aim for 1 of 3 playgrounds being made accessible.

Our evaluation included 5 two to five playgrounds. Of these, one is accessible. We recommend access to one more. Any new playgrounds to be replaced at any time in the future must comply with the 2010 Standards and will therefore be accessible.

The Program Access Chart, along with Ramsey County Playground Map at the end of this section, illustrates the areas where work is recommended so that every resident of the County is close to an accessible 2 to 5 playground. [[Ramsey County 2 to 5 Playground Map](#)]

36. *Make the corrections* so the 2 to 5 playground at the site below *remains* accessible:

- *Long Lake Regional Park*

37. *Make the corrections* so the 2 to 5 playground at the site below *becomes* accessible:

- *Battle Creek Regional Park*

38. *Leave as is* the playgrounds at the parks named below, and when future alterations or renovations occur at those sites, make them accessible.

- *Battle Creek Waterworks (2)*
- *Tony Schmidt Regional Park*

39. *Advertise the accessible 2 to 5 playgrounds* in the Department website and publications. This is an important way to make the public aware of opportunities, and complies with the section 35.106 notice requirement in the title II regulation.

#### 5 to 12 Playgrounds

The *minimum required* of the Department by title II of the ADA is that the “program” of 5 to 12 playgrounds be accessible to residents. This is measured by the “program access test” described in section 35.150 of the title II regulation (see 28 CFR Part 35).

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For similar multiple sites, no guidance is given as to how many existing 5 to 12 playgrounds should be made accessible. Again, a good practice is to treat this as a planning exercise and aim for 1 of 3 playgrounds being made accessible.

Our evaluation included 20 five to twelve playgrounds. Of these, three are accessible. We believe four more could be made accessible with modest changes. Any new playgrounds to be replaced must comply with the 2010 Standards and will therefore be accessible.

The Program Access Chart, along with Ramsey County Playground Map at the end of this section, illustrates the areas where work is recommended so that every resident of the County is close to an accessible 5 to 12 playground. [[Ramsey County 5 to 12 Playground Map](#)]

40. **Make corrections** cited in the reports so the 5 to 12 playgrounds below **remain** accessible:
  - **Bald Eagle-Otter Lakes Regional Park**
  - **Long Lake Regional Park (2 of 3)**
41. **Make the corrections** so the 5 to 12 playgrounds at sites below **become** accessible:
  - **Battle Creek Regional Park**
  - **Island Lake County Park**
  - **Lake Josephine County Park**
  - **Tamarack Nature Center Park**
42. **Leave as is** the playgrounds at the parks named below, and if future alterations or renovations occur at those sites, make them accessible.
  - **Beaver Lake County Park**
  - **Keller Regional Park**
  - **Lake Gervais County Park**
  - **Lake McCarrons County Park**
  - **Lake Owasso County Park**
  - **Long Lake Regional Park (1 of 3)**
  - **Tony Schmidt Regional Park (3 of 3)**
  - **Turtle Lake County Park**
  - **Vadnais-Snail Lakes Regional Park**
  - **Vadnais-Sucker Lakes Regional Park**
  - **White Bear Lake County Park**
43. **Advertise the accessible 5 to 12 playgrounds** in the Department website and publications.

### Water Access

The *minimum required* of the Department by title II of the ADA is that the “program” of water access be accessible to residents. This is measured by the “program access test” found in section 35.150 of the title II regulation (see 28 CFR Part 35). For similar multiple sites, no guidance is given as to how many existing water access points should be accessible.

We recommend that a minimum of one area of every three be accessible. We saw 38 access points and 13 are accessible. **We recommend access to one more point.**

The Program Access Chart at the end of this section, along with the Ramsey County Water Access Map, illustrates the areas where work is recommended so that every resident is close to an accessible water access. [[Ramsey County Water Access Map](#)]

44. **Make corrections** cited in the reports so the access points below remain accessible:
- **Bald Eagle-Otter Lakes Regional Park (2 of 3)**
  - **Beaver Lake County Park**
  - **Island Lake County Park (1 of 2)**
  - **Lake Gervais County Park (1 of 2)**
  - **Lake Josephine County Park (1 of 3)**
  - **Lake McCarrons County Park (2 of 3)**
  - **Long Lake Regional Park (2 of 3)**
  - **Tony Schmidt Regional Park (2 of 3)**
  - **Vadnais-Snail Lakes Regional Park (1 of 3)**
45. **Make corrections** cited in the reports so the access point below becomes accessible:
- **Lake Gervais County Park (1 of 2)**
46. **Leave as is** the access points at the following sites:
- **Bald Eagle-Otter Lakes Regional Park (1 of 3)**
  - **Island Lake County Park (1 of 2)**
  - **Keller Regional Park (3 of 3)**
  - **Lake Josephine County Park (2 of 3)**
  - **Lake McCarrons County Park (1 of 3)**
  - **Lake Owasso County Park (3 of 3)**
  - **Long Lake Regional Park (1 of 3)**
  - **Rice Creek North Regional Trail**
  - **Rice Creek Water Trail**
  - **Tony Schmidt Regional Park (1 of 3)**
  - **Turtle Lake County Park (2 of 2)**
  - **Vadnais-Snail Lakes Regional Park (2 of 3)**
  - **Vadnais-Sucker Lakes Regional Park (3 of 3)**
  - **White Bear Lake County Park (2 of 2)**

47. *Advertise the accessible water access* in Department website and publications.

#### Dog Parks

The *minimum required* of the Department by title II of the ADA is that the “program” of dog parks be accessible to residents. This is measured by the “program access test” found in section 35.150 of the title II regulation (see 28 CFR Part 35).

For similar multiple sites, no guidance is given as to how many existing dog parks should be accessible. We recommend that at least one of every three be accessible.

There are 4 parks and two are accessible. *We recommend no new access.*

The Program Access Chart at the end of this section, along with the Ramsey County Dog Park Map, illustrates the areas where work is recommended so that every resident of the County is close to an accessible dog park. [[Ramsey County Dog Park Map](#)]

48. *Make corrections* cited in reports so the dog parks below *remain* accessible:
- *Bald Eagle-Otter Lakes Park (2 of 2)*
49. *Leave as is* the dog parks at the following sites:
- *Battle Creek Regional Park*
  - *Rice Creek North Regional Trail*

50. *Advertise the accessible dog parks* in Department website and publications.

#### Volleyball

The *minimum required* of the Department by title II of the ADA is that the “program” of volleyball be accessible to residents. This is measured by the “program access test” found in section 35.150 of the title II regulation (see 28 CFR Part 35).

For similar multiple sites, no guidance is given as to how many existing volleyball courts should be accessible. We recommend that at least one of every three be accessible.

There are four courts and none are accessible. *We recommend access to one.*

The Program Access Chart at the end of this section, along with the Ramsey County Volleyball Map, illustrates the areas where work is recommended so that every resident of the County is close to an accessible volleyball court. [[Ramsey County Volleyball Map](#)]

51. *Make corrections* cited in reports so the volleyball court below *becomes* accessible:
- *Island Lake County Park (1 of 2)*

52. *Leave as is* the courts at the following sites:
- *Island Lake County Park (1 of 2)*
  - *Long Lake Regional Park*
  - *Vadnais-Snail Lakes Regional Park*

53. *Advertise the accessible volleyball courts* in Department website and publications.

#### Baseball

The *minimum required* of the Department by title II of the ADA is that the “program” of baseball be accessible to residents. This is measured by the “program access test” found in section 35.150 of the title II regulation (see 28 CFR Part 35).

For similar multiple sites, no guidance is given as to how many existing baseball fields should be accessible. We recommend that at least one of every three be accessible.

There are four fields and none are accessible. **We recommend access to one field.**

The Program Access Chart at the end of this section, along with the Ramsey County Baseball Map, illustrates accessible ball fields so that every resident of the County is close to an accessible ball field. [[Ramsey County Baseball Map](#)]

54. **Make corrections** cited in report so the ball field below **becomes** accessible:
- *Long Lake Regional Park*
55. *Leave as is* the ball fields at the following sites:
- *Beaver Lake County Park*
  - *Island Lake County Park*
  - *Turtle Lake County Park*

56. **Advertise the accessible ball fields** in Department website and publications.

#### Picnic Areas

The *minimum required* of the Department by title II of the ADA is that the “program” of picnicking be accessible to residents. This is measured by the “program access test” described in section 35.150 of the title II regulation (see 28 CFR Part 35).

For similar multiple sites, no guidance is given as to how many existing picnic sites should be accessible. There 33 picnic areas and 27 are accessible.

**We recommend no new access. Many of these sites need tables or other minor corrections.**



***The issue of picnic area access is not yet settled as a final and enforceable standard.***  
There is significant guidance from the US Access Board, and we have applied it here to Department picnic areas.

However, the US Access Board does not have the authority to establish a Standard, which is the step above the ***final guideline*** that exists today. That said, we recommend Department continue as a smart practice to adhere to the Access Board guidance on this matter.

The Program Access Chart at the end of this section, with the Ramsey County Picnic Areas Map, illustrates accessible picnic areas so that every resident of the County is close to an accessible picnic area. [[Ramsey County Picnic Areas Map](#)]

57. ***Make corrections*** needed to ***maintain or create access***, including adding tables, to picnic areas at:
- ***Bald Eagle-Otter Lakes Regional Park***
  - ***Battle Creek Regional Park (2 of 5)***
  - ***Beaver Lake County Park***
  - ***Island Lake County Park (3 of 3)***
  - ***Keller Regional Park (4 of 7)***
  - ***Lake McCarrons County Park***
  - ***Lake Owasso County Park (3 of 3)***
  - ***Long Lake Regional Park (2 of 2)***
  - ***Tamarack Nature Center (2 of 2)***
  - ***Tony Schmidt Regional Park (3 of 3)***
  - ***Turtle Lake County Park***
  - ***Vadnais-Snail Lakes Regional Park (2 of 2)***
  - ***Vadnais-Sucker Lakes Regional Park (2 of 2)***
58. ***Leave as is*** the picnic areas at the following sites:
- ***Battle Creek Regional Park (3 of 5)***
  - ***Keller Regional Park (3 of 7)***
59. ***Advertise accessible picnic areas*** in the Department website and publications

### Trails

The ***minimum required*** of the Department by title II of the ADA is that the “program” of trails be accessible to residents. This is measured by the “program access test” found in section 35.150 of the title II regulation (see 28 CFR Part 35). For similar multiple sites, no guidance is given as to how many existing trails should be accessible.

We recommend that a minimum of one area of every three be accessible. We saw 11 trails and eight are accessible. ***We recommend no new access.***

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*The issue of trails is not yet settled as a final and enforceable standard.* There is significant guidance from the US Access Board, and we have applied it here to Department picnic areas.

However, the US Access Board does not have the authority to establish a Standard, which is the step above the *final guideline* that exists today. That said, we recommend Department continue as a smart practice to adhere to the Access Board guidance on this matter.

The Program Access Chart at the end of this section, along with the Ramsey County Trail Map, illustrates the areas where work is recommended so that every resident is close to an accessible trail. [[Ramsey County Trail Map](#)]

60. **Make corrections** cited in the reports so the trails below remain accessible:

- **Battle Creek Regional Park (1 of 3)**
- **Birch Lake Regional Trail**
- **Bruce Vento Regional Trail**
- **Hwy 96 Regional Trail**
- **Rice Creek North Regional Trail**
- **Rice Creek West Regional Trail**
- **Trout Brook Regional Trail**
- **Vadnais-Snail Lake Regional Park**

61. **Leave as is** the trails at the following sites:

- **Battle Creek Regional Park (2 of 3)**
- **Tamarack Nature Center Regional Park**

**Advertise the accessible trails** in Department website and publications.

**Ice Arenas**

The *minimum required* of the Department by title II of the ADA is that the “program” of arenas be accessible to residents. This is measured by the “program access test” found in section 35.150 of the title II regulation (see 28 CFR Part 35). For similar multiple sites, no guidance is given as to how many existing arenas should be accessible.

We recommend that a minimum of one arena of every three be accessible. We saw 11 arenas and none are accessible. **We recommend access to five (5) arenas.**

The Program Access Chart at the end of this section, along with the Ramsey County Ice Arena Map, illustrates the areas where work is recommended so that every resident is close to an accessible arena. [[Ramsey County Ice Arena Map](#)]

62. **Make corrections** cited in the reports so the arenas below become accessible:

- **Aldrich Arena**

- **Charles M. Schultz-Highland Arena**
- **Shoreview Arena**
- **Vadnais Sports Center (2 of 2)**

63. **Leave as is** the arenas at the following sites:

- **Gustafson-Phalen Arena**
- **Harding Arena**
- **Ken-Yachel-West Side Arena**
- **Oscar Johnson Arena**
- **Pleasant Arena**
- **White Bear Arena**

**Advertise the accessible arenas** in Department website and publications.

#### Accessible Golf Courses

The *minimum required* of the Department by title II of the ADA is that the “program” of golf be accessible to residents. This is measured by the “program access test” found in section 35.150 of the title II regulation (see 28 CFR Part 35). For similar multiple sites, no guidance is given as to how many existing golf courses should be accessible.

We recommend that a minimum of one area of every three be accessible. We saw five golf courses and none were accessible. **We recommend access to two courses.**

The Program Access Chart at the end of this section, along with the Ramsey County Golf Course Map, illustrates the areas where work is recommended so that every resident is close to an accessible golf course. [[Ramsey County Golf Course Map](#)]

64. **Make corrections** cited in the reports so the courses below become accessible:

- **Keller Golf Course**
- **Manitou Ridge Golf Course**

65. **Leave as is** the courses at the following sites:

- **Goodrich Golf Course**
- **Island Lake Golf Course**
- **The Ponds at Battle Creek**

**Advertise the accessible golf courses** in Department website and publications.

Community Engagement

An integral part of the development of a transition plan is the solicitation of public feedback. In our work for RCPRD, we engaged the public in two ways: an online survey and community meetings. Each is discussed below.

*Online Survey*

First, an online survey was developed by our firm and RCPRD, and implemented by RCPRD. The survey inquired about accessibility preferences and priorities of Ramsey County residents and users of RCPRD sites and facilities. Fewer than 20 individuals replied, and those respondents were a mix of persons with disabilities, family or friends of a person with a disability, service providers, or other interested persons. See question 1 of the survey.

All but one respondent lives or works in Ramsey County. A high percentage (60%) used RCPRD sites frequently (2 or 3 times per week) or often (weekly). Most preferred self-directed activities, such as walking, running, or rolling on RCPRD trails. We interpret the latter two set of replies as an indicator that this is as a group of interested respondents with a personal connection to RCPRD. See questions 2, 3, and 4 of the survey.

Regarding RCPRD infrastructure, most rated access to buildings and structures as average. On the subject of RCPRD outdoor assets such as playgrounds, fields, and trails, most replied rated RCPRD as good. This is logical as some of the ice and golf infrastructure is older construction and therefore less likely to be accessible. See questions 6 and 7 of the survey.

In a series of questions, clear guidance emerged regarding how to plan for access retrofits.

- Most preferred dispersed access (58%), where some but not all assets at sites are made accessible, and spread through Ramsey County, to centralized access, where all assets are made accessible at one site before moving retrofit work to other sites (see question 9)
- Most were willing to travel to a park that is not the closest to their home (66.7% for accessible park assets, see question 10)
- Most preferred that some assets be accessible at every park (75%) as opposed to all assets being accessible at a park before work begins at other park (see question 11)

As to the types of park assets to be made accessible, questions 8 and 12 of the survey identify preferences of the respondents. Parks, playgrounds, and picnic areas rated highest at 50%, as did Tamarack Nature Center at 41.67%.

However, basic assets rated by far the highest, with bathrooms at 83.3%, accessible routes at 58.3%, and accessible parking at 50%. This could be viewed as a preference that the site and facility basic building blocks (parking, accessible routes, and restrooms) are a higher priority than the reason for coming to the site or facility.

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Or, conversely, it could be viewed that if the reason for coming to the site is made accessible but the basic building blocks are not, the accessible features will not be used, or will be harder to use.

***Community Meetings***

We planned and facilitated three community meetings at RCPRD sites. RCPRD coordinated marketing and invitations for these meetings.

The first was held on November 18 at 6:00 p.m. at the Vadnais Sports Center. In attendance were the Parks and Recreation Board and RCPRD staff, and one member of the public. We reviewed our process and work, and illustrated some of our access audit findings in a PowerPoint presentation. In a thoughtful discussion, several preferences and questions emerged:

- Most preferred that we lean towards a hybrid of the centralized/dispersed model for retrofit planning
- Several identified an efficiencies approach, where, for example, all parking is done together, in theory getting more work for a better price
- A trend of addressing the basics (restrooms, parking, exterior accessible routes) over recreation elements emerged, consistent with the online survey
- Several thought that density of use should be a factor in determining when work occurs, with a preference for more heavily used sites
- Also discussed was whether free sites (playgrounds, parks, picnic areas) should have a higher priority than sites where a fee is paid (golf), and this was not resolved

The second community meeting was held at 10:30 a.m. on Thursday, November 19 at Battle Creek Community Center. No members of the public attended and we adjourned the meeting at 11:00 a.m.

The third community meeting was held at Goodrich Golf Course at 6:00 p.m. on Thursday, November 19. This meeting was attended by five members of the public and two RCPRD staff. We reviewed our process and work, and illustrated some of our access audit findings in a PowerPoint presentation. In a thoughtful discussion, several preferences and questions emerged:

- Access points to RCPRD sites need to connect to public transit
- Are pervious asphalt trail surfaces an effective option for RCPRD?
- Most preferred a dispersed approach as opposed to a centralized approach

- Discussed was whether free sites (playgrounds, parks, picnic areas) should have a higher priority than sites where a fee is paid (golf), all acknowledged this needs more discussion
- Consensus of the group was to start with the basics (parking, exterior accessible routes, and restrooms)

### ***Conclusion***

The online survey and the community meetings raised some consistent issues and preferences. They should be considered by RCPRD. We do not believe, however, that enough participation occurred to determine a direction. We urge RCPRD to consider the opinions expressed in evaluating our recommended phasing of work.

### **Transition Plan**

The Department must have a transition plan per 35.150(d) of the DOJ title II regulation. The plan should identify the barrier, the corrective work, the date by which the work will occur (in our reports, the Phase), and the person responsible for barrier removal.

Barriers should be removed as soon as is possible. Phasing the work to be done allows for access to occur and makes the best use of the resources of the Ramsey County Parks and Recreation Department.

In the view of DOJ, the recreation design requirements were available to the Department since 2004, if not earlier. Enforcement staff has said at meetings and in conversations that work should have already been underway to identify and remedy access deficits.

We recommend work in three phases. We also note the work we recommend need not occur in a category titled Department Option. Should the Department plans change, or should other resources become available, the corrective work needed at these sites is known. We acknowledge that each phase likely requires three or more fiscal years for completion.

We have made cost *references* for the corrective work recommended. We note that these are not estimates and should be used only for planning purposes. The final design, the year in which the work will occur, the relationship with the contractor, and many other factors must be considered before a cost estimate is made.

The total of corrective work we recommend is \$2,802,338.25. We believe the retrofit work can be implemented over a ten-year period.

In Phase One, we recommend work in the amount of \$1,149,007.50. Generally, the work in this Phase falls into two categories: easy to do with existing staff and resources (low-hanging fruit), and old requirements (such as parking) at sites otherwise accessible. The Department should decide how many years are required to complete a phase.

***Here we would suggest that Phase One is a four-year process.***

**Ramsey County Parks and Recreation Department  
Access Audit and Transition Plan Conclusions and Recommendations  
November 30, 2015 page 23**

In Phase Two, we recommend work in the amount of \$935,441.50. Generally, the work in this Phase includes changes to recreation amenities, such as playground surfaces, ball fields and athletic fields. The Department should decide how many years are required to complete a phase.

***Here we would suggest that Phase Two is a three-year process.***

In Phase Three, we recommend work in the amount of \$717,292,245.74. Generally, the work in this Phase falls into two categories: elements not yet addressed by a final Standard, such as trails, and elements where correction is complex or costly. The Department should decide how many years are required to complete a phase.

***Here we would suggest that Phase Three is a three-year process.***

We identified work in the amount of \$1,292,245.74 in Department Option. This is work at a site or element with access deficits where we believe the Department already meets the program access test and need not make these sites accessible, until later altered for another purpose.

**Funding Access Retrofits**

At the request of RCPRD, we have developed this section to address some of the funding sources other cities, counties, park districts, and governmental entities have used for accessibility compliance. This is not intended as a comprehensive list, but should serve as food for thought on this subject.

***No Dedicated Federal Source***

There is no dedicated source of federal funds for accessibility renovations to existing sites. This will not likely change in the future. We look to the Land and Water Conservation Fund as an example, and that LWCF resource, even with a dedicated funding source, is typically underfunded.

***Earmarks***

Some of our clients have pursued Congressional earmarks for accessibility work. Earmarks are increasingly unpopular, and difficult to obtain. However, the Congressional practice of adding grant earmarks to bills proceeding through the US Congress still exists.

***Community Development Block Grant Funds***

Several of our clients have acquired federal Community Development Block Grant (CDBG) funds for accessibility renovations at existing sites. Administered through local entities, CDBG funds often have a priority. It would be important to establish accessibility as a priority for CDBG applications, which are very competitive.

### *State Grants Programs*

Several states, and several of our clients, have successfully pursued state legislation to set aside dedicated state funds that can be used for recreation purposes, including access retrofits. To name a few, Illinois, New Jersey, Colorado, Ohio, Florida, and Texas all have sources of revenue funded in various ways, such as the real estate transfer tax.

While the various states have all at times not fully funded these grant programs, they remain an effective tool for parks and recreation site acquisition and development.

### *State Discretionary Funds*

Every state legislature provides some type of discretionary funding for members of the legislature. In some states, these are relatively small grants of under \$50,000. In other states, it is common to see legislative grants of \$500,000 or more. As with Congressional earmarks these have become less popular in recent years, but still exist in most states.

### *Special Accessibility Legislation*

At least one state (Illinois) has adopted legislation that allows park districts or municipalities to levy a tax that can be used only for recreation for people with disabilities. Included as a purpose here can be the use of those funds to retrofit existing sites and facilities. Statewide, local entities in Illinois levy and expend an estimated \$80,000,000 annually on this purpose.

### *Private Giving*

Some of our clients have successfully sought private gifts for accessibility purposes. The private giving area is subject to fluctuations depending on the economy, political issues, and related fiscal impacts. In our experience, private giving works best when an agency such as RCPRD has an employee dedicated to this purpose.

### *Corporate Giving*

Some of our clients have successfully sought grants from corporations. These may, for corporate purposes, come from marketing (such as naming rights to an RCPRD facility) or from community giving. Also, many corporations have a related foundation that manages corporate giving. A good example here is the Mitsubishi Foundation. In our experience, corporate giving works best when an agency such as RCPRD has an employee dedicated to this purpose.

### *Community Foundations and Other Foundations*

Community foundations, which operate on a regional basis, have also been involved in accessibility giving. Perhaps the greatest example here is the multi-million dollar Kellogg Foundation project that improved accessibility in Michigan, Ohio, Indiana, Illinois, and other states that bordered the Kellogg headquarters in Michigan.



### *Other Methods*

There are other methods. A New Jersey community takes 100% of accessible parking fines and applies those towards recreation for people with disabilities. Several Illinois park districts have added a \$1 to \$10 surcharge to every registration, with the fees generated being earmarked for access and inclusion expenses. Several communities have successfully sought budget increases to address accessibility backlogs, just as they have with maintenance backlogs.

### *Risk Management*

Investing in playground safety saves money for a parks agency by avoiding legal expenses related to playground injuries. The same concept applies here. Investing in accessibility retrofits saves the cost of staff time and attorneys to defend against ADA lawsuits or administrative complaints. While we do not believe a decision about access should hinge solely on risk management factors, we do recommend that RCPRD be aware of this factor going forward. ADA enforcement continues to grow and touch more and more communities.

### Conclusion

The Ramsey County Parks and Recreation Department has a variety of recreation facilities and sites. The skilled staff operates facilities and sites the community wants and enjoys. This report identifies some issues that are typical in a Park Department infrastructure. The Department takes steps towards accessibility every year and that undoubtedly helped.

The Department should determine to what extent it will act on our recommendations and any staff recommendations. Access work should occur every year during the transition plan.

While no one can say with certainty how long the Department can stretch these projects, the Department should make access retrofits an ongoing part of its annual plans and budgets. US Department of Justice officials have said work must be completed as soon as is possible.

***Be certain to understand that the Department could be forced to accelerate its pace. Making access work a high priority is critical.***

Your strategy should definitely address the common issues identified in this report.

The Ramsey County Parks and Recreation Department should be commended for undertaking this task. Although this access audit and the transition plan are both mandated tasks, many of your neighbors have not completed these steps.

In closing, thanks again to the staff at the Department for their cooperation and spirit. All of the team at our firm enjoyed working with them. We acknowledged you, Scott, for your assistance earlier, and we do so again here.

**Ramsey County Parks and Recreation Department  
Access Audit and Transition Plan Conclusions and Recommendations  
November 30, 2015 page 26**

Call me at Recreation Accessibility Consultants at 224/293-6451 if there are any questions.  
Thanks again for inviting us to work with the Ramsey County Parks and Recreation  
Department.

**Submitted by**



**John N. McGovern, J.D., President  
Recreation Accessibility Consultants LLC**

**RCPRD CONCLUSIONS 201501**

**RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT**  
**TRANSITION PLAN SUMMARY**  
 December 16, 2015

Summary	Phase	1	2	3	CO	Grand Total
Site Name						
Aldrich Arena	\$	279,888.50				\$ 279,888.50
Bald Eagle-Otter Lakes Regional Park			\$ 33,219.75	\$ 21,035.00		\$ 54,254.75
Battle Creek Regional Park			\$ 115,722.50	\$ 39,901.25	\$	\$ 155,623.75
Battle Creek Waterworks				\$ 54,126.75	\$ 9,100.00	\$ 63,226.75
Beaver Lake County Park	\$	11,152.50	\$ 1,695.00	\$ 1,792.50	\$ 65,425.00	\$ 80,065.00
Birch Lake Regional Trail				\$ 3,892.50		\$ 3,892.50
Bruce Vento Regional Trail				\$ 10,631.25		\$ 10,631.25
Charles M. Schultz - Highland Arena	\$	155,652.50				\$ 155,652.50
Goodrich Golf Course					\$ 68,146.50	\$ 68,146.50
Gustafson-Phalen Arena					\$ 125,808.50	\$ 125,808.50
Harding Arena					\$ 125,958.75	\$ 125,958.75
Highway 96 Regional Trail				\$ 5,092.50		\$ 5,092.50
Island Lake County Park	\$	67,214.25	\$ 27,006.25	\$ 7,400.00	\$ 14,400.00	\$ 116,020.50
Island Lake Golf Course					\$ 34,274.75	\$ 34,274.75
Keller Golf Course	\$	121,099.50		\$ 49,161.25		\$ 170,260.75
Keller Regional Park			\$ 155,291.25	\$ 30,250.00	\$ 20,425.00	\$ 205,966.25
Ken Yachel - West Side Arena					\$ 78,631.00	\$ 78,631.00
Lake Gervais County Park	\$	46,695.00	\$ 4,985.00	\$ 7,472.50	\$ 56,618.75	\$ 115,771.25
Lake Josephine County Park	\$	36,243.50	\$ 15,652.50	\$ 6,687.50		\$ 58,583.50
Lake McCarrons County Park	\$	28,845.00	\$ 9,217.50	\$ 9,072.50	\$ 10,700.00	\$ 57,835.00
Lake Owasso County Park	\$	17,472.50	\$ 32,850.00		\$ 25,637.50	\$ 75,960.00
Long Lake Regional Park			\$ 182,118.25	\$ 20,218.75	\$ 1,460.00	\$ 203,797.00

**1 - ADA Implementation**  
**Attachment B - Estimate**

**RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT**  
**TRANSITION PLAN SUMMARY**  
 December 16, 2015

Summary	Phase			CO	Grand Total
	1	2	3		
Site Name					
Manitou Ridge Golf Course	\$ 68,263.25		\$ 30,089.50	\$ 87,325.00	\$ 98,352.75
Oscar Johnson Arena				\$ 87,325.00	\$ 87,325.00
Parks and Recreation HQ			\$ 266,283.75		\$ 266,283.75
Pleasant Arena				\$ 83,005.75	\$ 83,005.75
Poplar Lake County Park				\$ -	\$ -
Rice Creek North Regional Trail			\$ 13,472.50	\$ 6,068.75	\$ 19,541.25
Rice Creek Water Trail				\$ 8,335.00	\$ 8,335.00
Rice Creek West Regional Trail			\$ 8,081.25		\$ 8,081.25
Shoreview Arena	\$ 92,440.25				\$ 92,440.25
Tamarack Nature Center Regional Park		\$ 111,836.75	\$ 57,348.75	\$ 13,597.50	\$ 182,783.00
The Ponds at Battle Creek Golf Course				\$ 58,107.75	\$ 58,107.75
Tony Schmidt Regional Park		\$ 95,066.50	\$ 28,708.00	\$ 174,968.75	\$ 298,743.25
Trout Brook Regional Trail			\$ 13,935.00		\$ 13,935.00
Turtle Lake County Park	\$ 24,580.00	\$ 800.00		\$ 27,825.00	\$ 53,205.00
Vadnais Sports Center	\$ 199,460.75				\$ 199,460.75
Vadnais-Snail Lakes Regional Park		\$ 96,787.75	\$ 19,676.25	\$ 8,168.75	\$ 124,632.75
Vadnais-Sucker Lakes Regional Park		\$ 53,192.50	\$ 13,560.00	\$ 17,400.00	\$ 84,152.50
White Bear Arena				\$ 87,522.25	\$ 87,522.25
White Bear Lake County Park				\$ 83,335.49	\$ 83,335.49
<b>Grand Total</b>	<b>\$ 1,149,007.50</b>	<b>\$ 935,441.50</b>	<b>\$ 717,889.25</b>	<b>\$ 1,292,245.74</b>	<b>\$ 4,094,583.99</b>

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING 8**

<b>Department Name &amp; Code #:</b> Parks and Recreation/660000	<b>Project Title or Item:</b> Natural Resource Habitat Restoration	NON-ROUTINE (New/Renovation) Or ROUTINE (Maintenance)	<b>Yes</b>	<b>No</b>
			<u>X</u>	___
			___	___

<b>Account:</b>	441201___ 441212___	<b>Dept Priority Number:</b>	<u>2</u>	<b>CM Ranking</b>	<u>9</u>	<b>CIPAC Ranking</b>	<u>8</u>
	441202___ OTHER_____						

**PROJECT DESCRIPTION:**

This project includes the expansion, maintenance and restoration of natural areas to increase and improve habitat while promoting environmental education and awareness within the County Parks and Open Space system. This is in line with the goal set forth by the County Board to "strengthen individual, family and community health, safety and well-being" by encouraging environmental stewardship in an urban setting.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 600,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 600,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>

**Who Prepared Cost Estimate:** Park Planning and Development Staff

**Date of Estimate:** \_\_\_\_\_

**NARRATIVE JUSTIFICATION:**

Ramsey County Parks and Recreation Department oversees the management of natural areas and habitat within the County Parks and Open Spaces, which includes a total of 1,394 acres. Efforts have been made to restore around 80 acres of natural areas within Open Space, but the remaining natural areas within these Parks have become degraded over time. Because County Parks and Opens Spaces are small in size, averaging 60 acres, they receive no Regional Park funding and many local and State government grant programs offer little and highly volatile grant programs that fall short to help support the natural resources of these park lands. Although smaller in size, these areas do still provide a much needed oasis for nesting birds and pollinators living within an urban environment. If funded, the restoration management plan would include invasive species removal, conversion of idle turf areas to native plantings, and expansion of pollinator friendly habitat. In addition, the restoration work would be promoted on social media and through Ramsey County Parks Recreation educational programs in an effort to educate the public on the benefit of environmental stewardship. If this work is not completed, the environmental risks and cost of restoration will only increase with time. The further encroachment of invasive species will continue to degrade the current natural areas. Now is the time to invest funding into the initial restoration and expansion of natural resources within our County Parks and Open Spaces and continued maintenance of these lands.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	___	<u>X</u>	7. Provide Public Service	___	<u>X</u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &**

**Project Title or**

**Code #:** Parks and Recreation/660000

**Item:** Natural Resource Habitat Restoration

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

If this work is not completed the environmental risks and cost of restoration will increase with time. The further encroachment of invasive species will continue to degrade the current natural areas. Now is the time to invest funding into the initial restoration and expansion of natural resources within our County Parks and Open Spaces and plan for consistent funds to continually maintain these lands.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_\_\_      When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes \_\_\_\_\_      No \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Annual life cycle maintenance costs are estimated to be 1% of restoration cost. The maintenance cycle varies depending on specific habitat type. Maintenance for habitat restoration areas would consist of ongoing invasive specie/weed removal, tree care, rotational mowing for prairie grass areas, and prescribed burns

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:**      varies based on maintenance life cycles specific habitat type.

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 and 2019 with bonds.

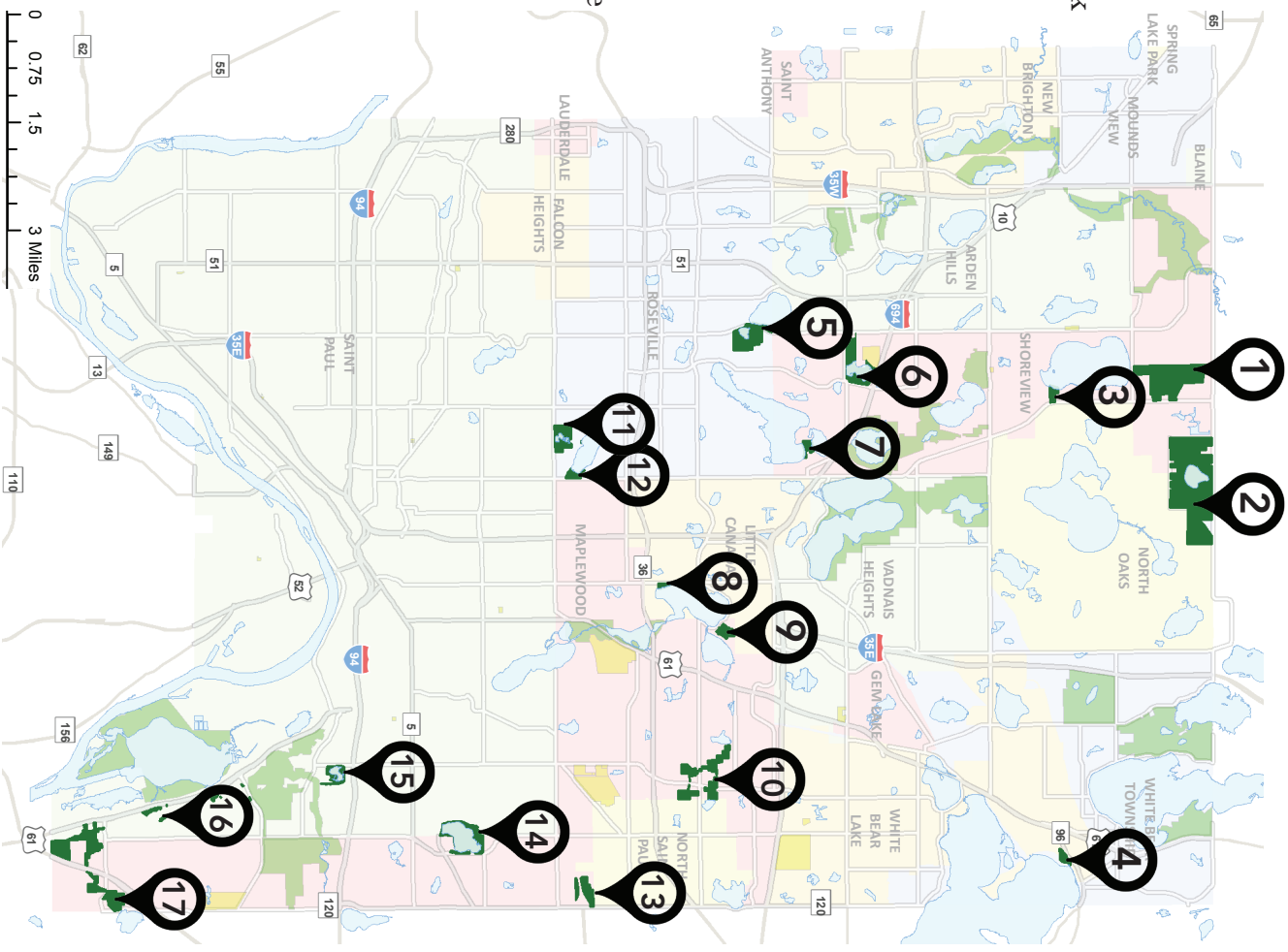
**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$100,000 in 2018 and bond proceeds of \$100,000 in 2019.

## County Parks &

### Open Spaces

- 1) Turtle Creek Open Space  
-197 Acres
- 2) Poplar Lake County Park  
-438 Acres
- 3) Turtle Lake County Park  
-13 Acres
- 4) White Bear Lake County Park  
-11 Acres
- 5) Lake Josephine County Park  
-85 Acres
- 6) Island Lake County Park  
-129 Acres
- 7) Lake Owasso County Park  
-14 Acres
- 8) Lake Gervais County Park  
-7 Acres
- 9) North Kolman Marsh Open Space  
-19 Acres
- 10) Kohlman Creek Open Space  
-72 Acres
- 11) Woodview Open Space  
-48.5 Acres
- 12) Lake McCarrons County Park  
-13 Acres
- 13) Holloway Marsh Open Space  
-31 Acres
- 14) Beaver lake County Park  
-118 Acres
- 15) Suburban Avenue Pond Open Space  
-34 Acres
- 16) Mississippi River Bluffs Open Space  
-16 Acres
- 17) Fish Creek Open Space  
-143 Acres





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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** 9

<b>Department Name &amp; Code #:</b> <u>Parks and Recreation/660000</u>	<b>Project Title or Item:</b> <u>Island Lake County Park Channel Bridge and Roadway Project</u>	NON-ROUTINE (New/Renovation) <u>  </u> Or ROUTINE (Maintenance) <u>  </u>	<b>Yes</b> <u>  x  </u>	<b>No</b> <u>  </u>
<b>Account:</b> 441201 <u>  </u> 441212 <u>  </u> 441202 <u>  </u> OTHER <u>  </u>	<b>Dept Priority Number:</b> <u>  3  </u>	<b>CM Ranking</b> <u>  5  </u>	<b>CIPAC Ranking</b> <u>  12  </u>	

**PROJECT DESCRIPTION:**

Ramsey County Public Works submitted a request for 2018 Federal Bridge Off-System Funds (BROS) funding in the amount of \$640,000, which would include both Federal and local match to reconstruct the Island Lake Channel Bridge within Island Lake County Park. The local match for this Federal funding is 20% or \$128,000. In conjunction with the bridge replacement project, it is planned to mill/overlay the existing boat launch access road and parking lot, increase the roadway width to accommodate a shared on-road trail by widening into the existing shoulders, provide trail transitions onto the new bridge, and improve existing trail connection to shared on-road trail. The shared on-road multi-use trail is planned to be 8'-10' in width.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 248,000	\$ 248,000	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 248,000</b>	<b>\$ 248,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Planning and Development Staff

**Date of Estimate:** 1/17/2017

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING** 9

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Island Lake County Park Channel  
Bridge and Roadway Project

Or ROUTINE  
(Maintenance)

X

\_\_\_

\_\_\_

\_\_\_

**NARRATIVE JUSTIFICATION:**

The Island Lake Channel Bridge was constructed in 1959 and is part of the Island Lake County Park boat access road, which provides vehicular and pedestrian access over the Island Lake Channel to the boat launch within the park. The current sufficiency rating of the bridge is 37.3 (out of 100), so it is in poor condition. The bridge also has substandard pedestrian access with only a 5' concrete sidewalk located on the south side of the bridge. Due to the age of the bridge, it is available for Federal Bridge Off-System Funds, designated "BROS" funding in the State Transportation Improvement Program (STIP). Ramsey County Public Works submitted a request for 2018 BROS funding in the amount of \$640,000, which would include both Federal and local match to reconstruct the Island Lake Channel Bridge within Island Lake County Park. The local match for this Federal funding is 20% or \$128,000. The proposed bridge is planned to accommodate two vehicular travel lanes, a buffer and a multi-use trail.

In addition, the existing boat launch access road and parking lot is in poor condition due to the age and condition of the bituminous pavement. The boat launch access road is a two-way road that wraps around the north side of Island Lake County Park between I-694 and Island Lake, and serves as the only pedestrian access over Island Lake Channel to the neighborhoods on the west side of the lake.

Currently there is no on-road or off-road trail system to provide safe pedestrian passage.

Due to a lower volume of traffic on the boat launch access road, a shared on-road trail is proposed. This type of design is appropriate in areas where space is not available to add a separated trail and where traffic volume is at low speeds. It is proposed to mill/overlay the existing boat launch access road and increase the roadway width into the existing shoulders and available upland area to accommodate an 8-10' wide on-road shared trail, provide trail transitions onto the new bridge, and improve existing trail connections and signage for the shared on-road trail. This will reduce the amount of impact to Island Lake and still accommodate an on-road trail access along the boat launch road.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>	___
5. Reduce Operating Costs		<u>X</u>	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** 9

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Island Lake County Park Channel  
Bridge and Roadway Project

Or ROUTINE  
(Maintenance)

x

\_\_\_

\_\_\_

\_\_\_

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Public Works does not have a funding source for the local match since the boat launch access road is not part of the County State Aid Highway system. If Parks cannot supply the local match, any Federal money received will need to be given back and the Island Lake Channel Bridge will not be able to be replace. In addition, the boat launch access road will remain in poor shape and not provide safe pedestrian/trail facilities for residential neighborhoods on the west side of Island Lake and will ultimately result in the loss of the intended public service.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes\_\_\_      No\_ x      When? \_\_\_\_\_  
 If project was funded, are carryover funds available?      Yes\_\_\_      No\_\_\_  
 Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Annual life cycle maintenance costs are estimated to be 1% of construction cost. Design and construction efficiencies will be incorporated into this project with this intent to prevent or reduce increased maintenance and operations costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

N/A

**Estimated Useful Life:**      20-30-years

**Estimated Payback Period:**      \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

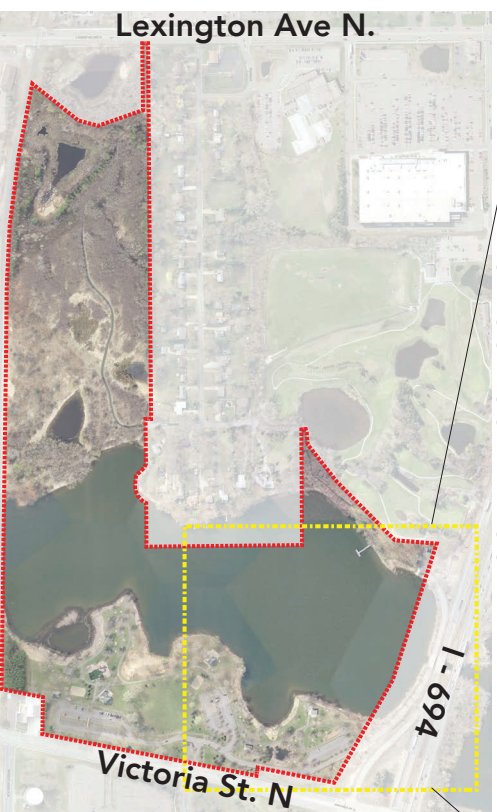
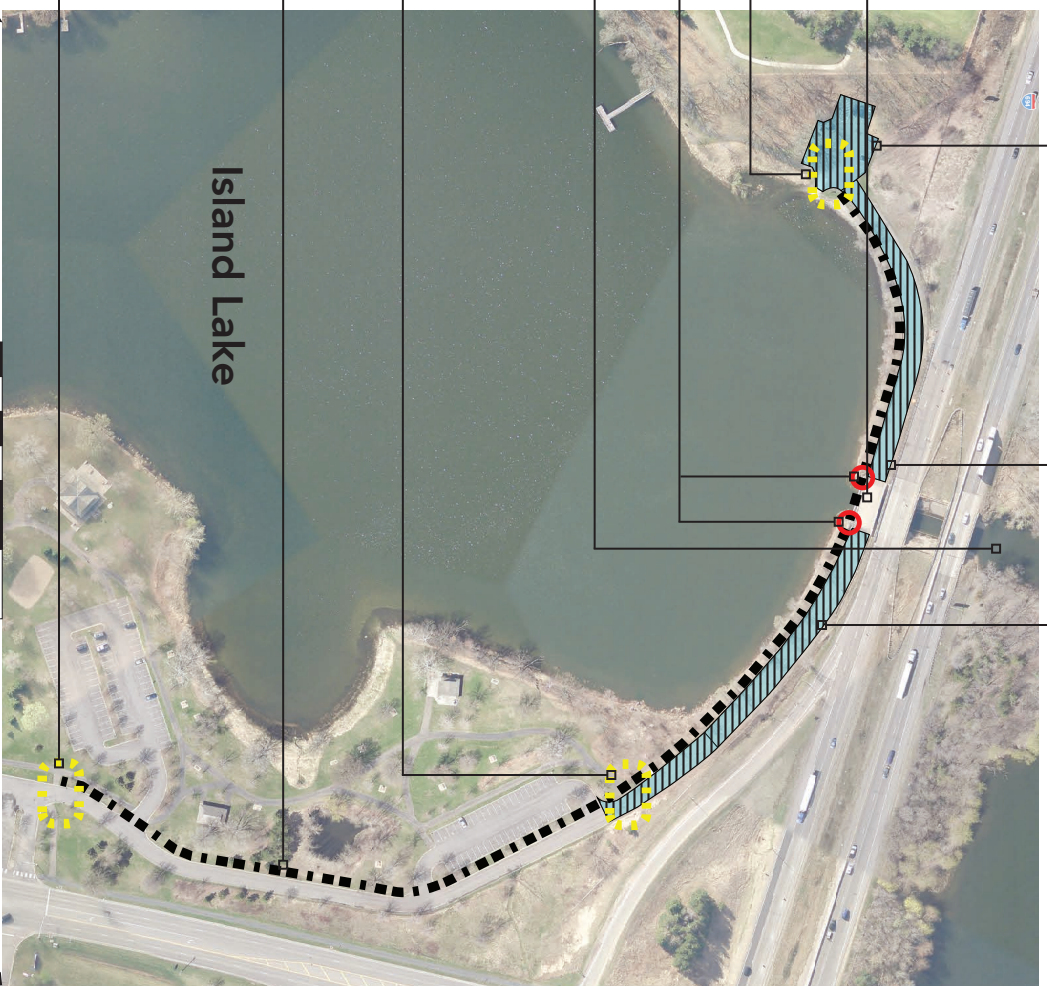
**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 with bonds.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$248,000 in 2018.

- Mill & Overlay Road, Widen to Existing Shoulder to Provide a Shared Use Trail Mill & Overlay Boat Parking Lot
- Replace Island Lake County Park Bridge
- Improve Trail Connection to On Road Shared Trail Provide Trail Transitions to New Bridge
- Island Lake Channel
- Improve Trail Connection to On Road Shared Trail
- On Road Shared Trail TYP.
- Improve Trail Connection to On Road Shared Trail



Island Lake County Park Estimate  
Date 1/17/2017

Grant Match Estimate					Notes
Item	Unit	Total Quantity	Unit Price	Total Cost	
Grant Match for replacement of Island Lake Channel Bridge	LS	1	\$ 128,000	\$ 128,000	
<b>Sub-Total Project</b>				<b>\$ 128,000</b>	

Entrance Road, Parking Lot and Trail Estimate					Notes
Item	Unit	Total Quantity	Unit Price	Total Cost	
Improvements for Entrance Road, Boat Launch Parking Lot, shared on-road trail, signage, and site amenities.	EA	1	\$ 100,000.00	\$ 100,000	
<b>Subtotal</b>				<b>\$ 100,000</b>	
Construction Contingency				\$ 5,000	
<b>Sub-Total</b>				<b>\$ 105,000</b>	
Site Design, Engineering, and Construction Management				\$ 6,500	
Survey				\$ 5,000	
Permits				\$ 1,000	
Construction testing - conc., compaction, soils verification, etc				\$ 2,500	
<b>Sub-Total Project</b>				<b>\$ 120,000</b>	

**248,000** Total CJP Request

**3 - Island Lake County Park Channel Bridge  
Attachment B - Estimate**

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING** 17

<b>Department Name &amp; Code #:</b> <u>Parks and Recreation/660000</u>	<b>Project Title or Item:</b> <u>Keller Practice Facility</u>	NON-ROUTINE (New/Renovation) <u>X</u>	Yes	No
		Or ROUTINE (Maintenance) _____	_____	_____
<b>Account:</b> 441201____ 441212____	<b>Dept Priority Number:</b> <u>4</u>	<b>CM Ranking</b> <u>18</u>	<b>CIPAC Ranking</b> <u>16</u>	
441202____ OTHER_____				

**PROJECT DESCRIPTION:**

The recent remodel of the Keller Golf Course Practice Facility is negatively affecting the neighbors on the east side of the range. Prior to the remodel, the driving range was angled more towards the west. In that configuration the neighbors never reported experiencing golf balls landing in their yards. The reconstruction in 2013 shifted the angle of the range to the east. The new configuration has created a hazard for the neighbors. In 2016, Parks and Recreation brought in Keller Golf Course remodel Architect, Richard Mandell, to review the driving range configuration and discuss options to eliminate errant golf balls leaving the confined area. The Architect proposed several options to a staff committee for review and the committee has selected a layout which combines two of Mandell's drawings. The recommendation includes a modification to the tee box and additional netting. The tee box will be rotated 2-5 degrees to the west at an estimated cost of \$223,355. Tee box rotation will include layout and shaping of a new tee box along with installation of new irrigation lines and a drainage basin. 800 linear feet of new netting and 125 feet tall poles will be installed on the west side of the range to protect golfers on the course. Netting on the east side will remain the same. The estimated cost for poles and netting is \$280,000. In addition to this work, Parks and Recreation would like to make American with Disabilities Act (ADA) path improvements to meet code, make improvements to the parking lot and entrance road, add a row of artificial turf, and install a new range ball dispensing machine at an additional cost of \$93,200.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 596,555	\$ 596,555	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 596,555</b>	<b>\$ 596,555</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Richard Mandell (Architect), Department Planning personnel

**Date of Estimate:** Nov-16



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING** 17

Department Name & Code #:	Project Title or Item:	NON-ROUTINE (New/Renovation)	Yes	No
		Parks and Recreation/660000	Keller Practice Facility	Or ROUTINE (Maintenance)

**NARRATIVE JUSTIFICATION:**

In September of 2015, the County Parks and Recreation staff and County Commissioner Victoria Reinhardt met with 13 residents of Duluth Street whose backyards abut the eastern side of the Keller Golf Course practice facility. Each household (6 in total) shared bags and buckets of golf balls that have been landing in their yards since the course reopened in July of 2014. They shared their fears of being in their yards, stories of near misses and a frustration with the County in not responding to their complaints. In the spring of 2016, the Director of Golf and the Keller Golf Professional worked on introducing low cost measures to fix the problem. While those efforts have drastically reduced the number of golf balls in these yards, it has not totally resolved the issue. Commissioner Reinhardt set up a meeting with one particular family that was extremely upset after a near miss in their back yard left them feeling as if they had narrowly escaped death. That meeting resulted in the architect's design change options. Doing the required improvements to the cart paths, walking paths, parking access as well as the other practice facility upgrades will increase the county's share in the revenue from 3-10% annually. By combining these two projects Parks and Recreation will be able to realize some economies of scale through lower costs and less down time.

EVALUATION CRITERIA:	Yes	No	Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>
6. Protect Property	<u>X</u>	___		

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** 17

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)  
Or ROUTINE  
(Maintenance)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Keller Practice Facility

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

The risk exists of a resident experiencing a serious injury or death from an errant golf ball. There will be continued discontent of homeowners that border the golf course property, which would negatively impact the image of the County and its golf operations.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes\_\_\_      No\_ x      When? \_\_\_\_\_  
 If project was funded, are carryover funds available?      Yes\_\_\_      No\_\_\_  
 Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Increasing the netting will increase the eventual repair or replacement costs associated. Additional cart paths will increase bituminous repair needs. No additional expense to turf maintenance.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Driving range revenues have declined due to departmental imposed use restrictions that reduce errant golf balls. Estimated revenue increases as a result of this project are \$15,000.

**Estimated Useful Life:**      40 years  
    39 years      (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC does not recommend financing this project in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager does not recommend financing this project in 2018 or 2019.

CONTACT INFORMATION:  
B. Gus Blumer, Landscape Architect  
2015 N. Van Dyke Street  
Maplewood, MN 55109  
bblumer@co.ramsey.mn.us  
651.748.2500

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Registration: Landscape Architect  
State: Minnesota  
Number: 42944  
Signature: B. Gus Blumer

NO.	DATE	DESCRIPTION
1	2-22-13	BID DOCUMENTS

DESIGN PHASE:

REVIEW DOCUMENTS

**KELLER GOLF COURSE PRACTICE RANGE, BITUMINOUS MAINTENANCE REPLACEMENT & ACCESS PLAN**  
RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT  
KELLER GOLF COURSE

DATE: JANUARY 2017

DESIGNED BY: BGB  
DRAWN BY: BGB  
CHECKED BY: SAY



TITLE

CONCEPT PLAN

**RW 1.0**

SHEET 2 OF 2



**4 - Keller Practice Facility**  
Attachment A - Project Graphics



**CONTACT INFORMATION:**  
B. Gus Blumer, Landscape Architect  
2015 N. Van Dyke Street  
Maplewood, MN 55109  
brett.blumer@co.ramsey.mn.us  
651.748.2500

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Registration: Landscape Architect  
State: Minnesota  
Number: 42944  
Signature: B. Gus Blumer

NO.	DATE	DESCRIPTION
1	2-22-13	BID DOCUMENTS

DESIGN PHASE:  
**REVIEW DOCUMENTS**

**KELLER GOLF COURSE PRACTICE RANGE, BITUMINOUS MAINTENANCE REPLACEMENT & ACCESS PLAN**  
RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT  
KELLER GOLF COURSE

DATE: JANUARY 2017  
DESIGNED BY: BGB  
DRAWN BY: BGB  
CHECKED BY: SAY



TITLE  
**ENLARGED CONCEPT PLAN AT PARKING LOT**

**RW 2.0**  
SHEET 2 OF 2



**Keller Golf Course Practice Facility**  
**Date 7/23/2015 Updated 1/25/2017**

<b>Site Plan Estimate</b>				
Item	Unit	Total Quantity	Unit Price	Total Cost
Mobilization (5%)	LS	1.00	1.00	\$ 22,366
Layout and Staking	LS	1.00	2,500.00	\$ 2,500
Spray and Rotivate Existing Turf	AC	3.50	2,320.00	\$ 8,120
Silt Fence	LF	3.00	1,700.00	\$ 5,100
Tee Complex and Green Shaping	LS	1.00	30,000.00	\$ 30,000
4" Perforated HDPE Pipe (N-12 ADS)	LF	7.25	1,100.00	\$ 7,975
6" Solid HDPE Pipe (N-12-ADS)	LF	911.00	9.75	\$ 8,882
Catch Basins	EA	9.00	750.00	\$ 6,750
Tee Construction w/ 4" sand cap	SF	1.70	45,529.00	\$ 77,399
Green Construction	SF	1.70	4,000.00	\$ 6,800
Green Moisture Barrier	LF	1.50	270.00	\$ 405
Bunker Removal	SF	1.20	450.00	\$ 540
Sand bunker Construction	SF	4.85	750.00	\$ 3,638
Irrigation Heads to be relocated	LS	23.00	1,000.00	\$ 23,000
Seeded Prep and Finish Work	AC	2.35	3,200.00	\$ 7,520
Soil Amendments	AC	-	425.00	\$ -
Sod Tee (low mow bluegrass)	SF	0.11	45,529.00	\$ 5,008
Sod Other disturbed Areas	AC	2.35	1,920.00	\$ 4,512
Seed Practice Green	SF	0.21	4,000.00	\$ 840
Selective Clearing by Tree	EA	5.00	400.00	\$ 2,000
New 125' Tall Driving Range Netting and Steel Poles	LF	800.00	350.00	\$ 280,000
<b>Subtotal</b>				<b>\$ 503,355</b>
Mobilization (5%)	LS	1	\$ 10,000	\$ 10,000
Erosion control - silt fence or bio roll	LF	300	\$ 2.50	\$ 750
2"Class V base overlay	SF	10,500	\$ 0.50	\$ 5,250
Remove 8ft cart path	LF	200	\$ 8.00	\$ 1,600
new 10ft cart path	LF	300	\$ 45.00	\$ 13,500
Bituminous Pavement parking and road -3" Standard section	Ton	195	\$ 120.00	\$ 23,400
Parking Lot Striping - paint	LS	1	\$ 700.00	\$ 700
Concrete pad and sidewalk	SF	1,500	\$ 8.00	\$ 12,000
Move building	LS	1	\$ 3,000.00	\$ 3,000
Move electrical for building	LS	1	\$ 8,000.00	\$ 8,000
Add water line - from existing irrigation	LS	1	\$ 5,000.00	\$ 5,000
Subtotal				\$ 83,200
Civil Site Design, Engineering				\$ -
Site Investigation - Soils				\$ -
Survey - Topographic				\$ -
<b>Permits</b>				<b>\$ -</b>
Construction testing - conc., compaction, soils verification, etc				\$ -
Sub-Total Project				\$ 83,200
<b>Sub-Total Project</b>				<b>\$ 586,555</b>
Construction Contingency				\$ 10,000
<b>Total Project Complete</b>				<b>\$ 596,555</b>

4 - Keller Practice Facility  
Attachment B - Estimate

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING 15**

<b>Department Name &amp; Code #:</b> Parks and Recreation/660000	<b>Project Title or Item:</b> Vadnais Sports Center Parking Lot Improvements	NON-ROUTINE (New/Renovation) _____ Or ROUTINE (Maintenance) _____	<b>Yes</b> _____	<b>No</b> _____
<b>Account:</b> 441201____ 441212____ 441202____ OTHER_____	<b>Dept Priority Number:</b> <u>5</u>	<b>CM Ranking</b> <u>15</u>	<b>CIPAC Ranking</b> <u>15</u>	

**PROJECT DESCRIPTION:**

In 2014, Ramsey County purchased the Vadnais Sports Center and began operation and management in July of 2014. As a part of the purchase, the county assumed an existing Planned Unit Development agreement for the site. Article 5 of the agreement concerns parking. The number of parking spaces was to be at 574. The City of Vadnais Heights reduced the requirement to 528. A Second Amendment reduced the number to 515. The Third Amendment reduced the requirement to 503. The current lot has 464 spaces. The Fourth Amendment will see the addition of 50 spaces bringing the new total to 514. The proposed project will reconfigure the existing lot to add an additional 51 spaces with the potential to add 13 more in the future. The 51 spaces would increase the lot size to 565 spaces. 51 spaces can provide enough parking for two to four teams worth of vehicles.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 581,523	\$ -	\$ 581,523	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 581,523</b>	<b>\$ -</b>	<b>\$ 581,523</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Scott Yonke and Ben Karp

**Date of Estimate:** 29-Dec-16

**NARRATIVE JUSTIFICATION:**

The City of Vadnais Heights is requiring additional parking spaces for the Vadnais Sports Center to comply with the amended Planned Unit Development agreement for the site. With the success of the sports center along with the development of the three out lots on the site, the location requires the maximum number of parking spaces available. When special events are added, overflow parking is needed. The three out lot owners compliment the use of the parking lot. They are primarily weekday users. The sports center is primarily weekday evening and weekend users. The lot also houses a restaurant and sporting goods retailer which have business all day and evening. The site is busy.

EVALUATION CRITERIA:	Yes	No	Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<input checked="" type="checkbox"/>	_____	7. Provide Public Service	<input checked="" type="checkbox"/>
3 & 4. Replace Facility or Maintain Physical Property	<input checked="" type="checkbox"/>	_____	8. Provide Public Convenience	<input checked="" type="checkbox"/>
5. Reduce Operating Costs	<input checked="" type="checkbox"/>	_____	9. Enhance County Image	<input checked="" type="checkbox"/>
6. Protect Property	<input checked="" type="checkbox"/>	_____		

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &**

**Project Title or**

**Code #:** Parks and Recreation/660000

**Item:** Vadnais Sports Center Parking Lot Improvements

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

The parking lot project will maximize parking for the site. Without the project there will be 51 fewer spaces which impacts peak use times and special events. The impact on the businesses will be felt if potential customers cannot park and do not stop. This may also discourage return visits.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes\_\_\_      No\_ x      When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes\_\_\_      No\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

The project slightly increases the area for parking lot maintenance. Those costs are shared by all of the property owners so the impact to the county is reduced. The existing lot will require regular maintenance including crack-sealing and seal-coating every five years, mill and overlay every 20 years, and a reconstruction every 40 years.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

The ability to provide adequate parking for the sports center activities maintains customer satisfaction. The impact to the various lot owners and lease tenants helps their business or purpose thrive which in turn keeps them on the county tax roll.

**Estimated Useful Life:**      40 years

**Estimated Payback Period:**      N/A      (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2019 with bonds.

**COUNTY MANAGER COMMENTS:**

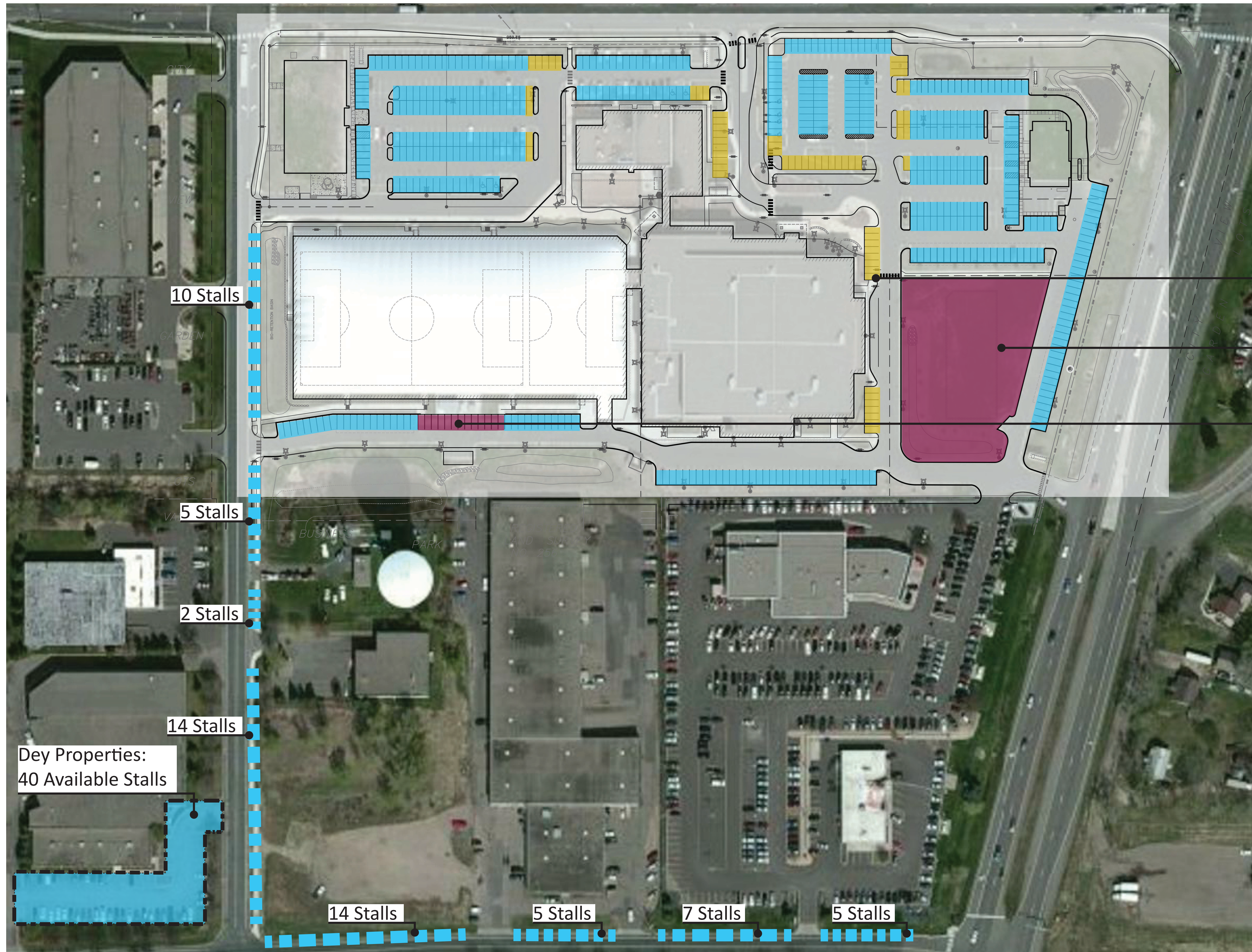
County Manager recommends financing this project using bond proceeds of \$581,523 in 2019.



**Parking Notes:**

Existing On Site Parking 464 Stalls





**Parking Notes:**

Existing On Site Parking	464 Stalls
Parking Available Immediately	453 Stalls
Parking Short Term Availability	62 Stalls
Parking Long Term Availability	63 Stalls
Proposed Overflow Parking	102 Stalls
<b>Total Proposed Parking</b>	<b>680 Stalls</b>

Yellow Parking Bays to be Added with Future Parking Lot Construction

50 Additional Stalls Available Once Lot is Developed

Parking to be Installed as Mechanical Equipment is Moved

**LEGEND**

- Parking Available Immediately ■
- Parking Available, Near Future ■
- Parking Available, Long Term ■
- On Street, Overflow Parking Available ▬

Dey Properties:  
40 Available Stalls

10 Stalls

5 Stalls

2 Stalls

14 Stalls

14 Stalls

5 Stalls

7 Stalls

5 Stalls

VSC Parking Re-Development  
Date 12-28-2016

Existing Construction to be Demolished						Notes
Item	Unit	Total Quantity	Unit Price	Total Cost		
Saw Cutting Pavement (Asphalt, Concrete, Etc.)	LF	3,000	\$ 3	\$ 9,000		
Landscape Wall Removed & Rebuilt On Site	LS	1	\$ 8,000.00	\$ 8,000		
General Site Demolition	LS	1	\$ 25,000.00	\$ 25,000		
<b>Subtotal</b>				<b>\$ 42,000</b>		

New Construction						Notes
Item	Unit	Total Quantity	Unit Price	Total Cost		
Light Post Removed & Replaced on Site	EA	8	\$ 6,000.00	\$ 48,000		
Fire Hydrant Removed & Replaced on Site	EA	3	\$ 6,500.00	\$ 19,500		
Extend Water Lines to New Hydrant Locations	LF	40	\$ 300.00	\$ 12,000		
Catch Basin Remove/Move	EA	13	\$ 1,000.00	\$ 13,000		
Storm PVC Pipe As Needed	LF	665	\$ 50.00	\$ 33,250		
Parking Signs Removal & Replaced on Site	EA	33	\$ 200.00	\$ 6,600		
Tree Planting (2.5" BB)	EA	48	\$ 300.00	\$ 14,400		
Earthwork (Rough & Finish Grade for Asphalt, Concrete & Landscape Beds	SF	38,100	\$ 0.75	\$ 28,575		
Concrete sidewalk - 4"	SF	7,800	\$ 7.00	\$ 54,600		
Parking Lot Striping - paint	LS	1	\$ 5,000.00	\$ 5,000		
New Curb/Gutter	LF	2,500	\$ 22.00	\$ 55,000		
Bituminous Pavement Repair/Patch	SF	20,100	\$ 3.10	\$ 62,310		
New Topsoil & Placement	CY	120	\$ 25.00	\$ 3,000		
Sod New Landscape Areas	SY	1,150	\$ 5.00	\$ 5,750		
Irrigation Heads/Lines Moved	LS	1	\$ 20,000.00	\$ 20,000		
Mobilization	LS	1	\$ 20,000.00	\$ 20,000		
Traffic Control	LS	1	\$ 10,000.00	\$ 10,000		
Construction Fencing (@ \$20/LF)	LS	1	\$ 36,600.00	\$ 36,600		
<b>Subtotal</b>				<b>\$ 447,585</b>		

<b>Construction Activities Total</b>				<b>\$ 489,585</b>		
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Construction Contingency						Notes
Item	Unit	Total Quantity	Unit Price	Total Cost		
Construction Contingency (10%)	LS	1	\$ 48,958.50	\$ 48,959		

Construction Fees & Permits						Notes
Item	Unit	Total Quantity	Unit Price	Total Cost		
Construction Testing	LS	1	\$ 4,500.00	\$ 4,500		
Construction Permits	LS	1	\$ 4,000.00	\$ 4,000		
Site Storm Water Control Design & Engineering (5%)	LS	1	\$ 24,479.25	\$ 24,479		
<b>Subtotal</b>				<b>\$ 42,979</b>		

<b>Grand total</b>				<b>\$ 581,523</b>		
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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING 13**

<b>Department Name &amp; Code #:</b> <u>Parks and Recreation/660000</u>	<b>Project Title or Item:</b> <u>Beaver Lake County Park Master Plan</u>	NON-ROUTINE (New/Renovation) <u>X</u> Or ROUTINE (Maintenance) <u>    </u>	<b>Yes</b> <u>    </u>	<b>No</b> <u>    </u>
<b>Account:</b> 441201 <u>    </u> 441212 <u>    </u> 441202 <u>    </u> OTHER <u>    </u>	<b>Dept Priority Number:</b> <u>    6    </u>	CM Ranking <u>    7    </u>	CIPAC Ranking <u>    14    </u>	

**PROJECT DESCRIPTION:**

Beaver Lake County Park, approximately 55-acres, is located in the southeast part of Ramsey County in the cities of St. Paul and Maplewood. This project would develop a revised master plan for Beaver Lake County Park including design/engineering, community engagement to identify improvements for existing elements such as buildings, roads, parking, creeks, ponds, lakes, wetlands, trails, amenities, turf games, landscaping, utilities, stormwater management, restoration, signage, gathering nodes, and fitness/play elements.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Park Planning and Development Staff

**Date of Estimate:** 1/12/2017

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** **13**

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Beaver Lake County Park Master Plan (Maintenance)

  X  

Or ROUTINE  
(Maintenance)

**NARRATIVE JUSTIFICATION:**

Beaver Lake County Park wraps around Beaver Lake and was developed in the late 1970's with some minor components in the early 1980's. There is a 10-acre picnic site located on the west shore of the lake, which includes a 30-car parking lot, small picnic shelter, open turf game area, playground and fishing pier. In addition, there is a bituminous trail that extends around the lake except for a small section of trail along Case Avenue where there is no Park property. The park has had minor improvements over the years, but due to the age of the park, the parking lot, picnic shelter, trail, and site elements have degraded to a point that are in need of replacement. There are no restroom facilities serving the picnic area and the picnic shelters have no water or electrical, and do not meet the needs of the users. The majority of site elements within the park do not meet current accessibility standards and has substandard pedestrian access into the park. The park does not currently meet the needs and trends for park users. The master plan will provide a planned approach for redevelopment and community engagement that is consistent with the County Vision, Mission and Goals. The master plan will include redevelopment improvements for existing site, building, and natural resource elements; proposed development concept with a plan for implementation.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>  X  </u>		7. Provide Public Service	<u>  X  </u>	<u>    </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>  X  </u>	<u>    </u>	8. Provide Public Convenience	<u>  X  </u>	<u>    </u>
5. Reduce Operating Costs	<u>    </u>	<u>  X  </u>	9. Enhance County Image	<u>  X  </u>	<u>    </u>
6. Protect Property	<u>  X  </u>	<u>    </u>			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** 13

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Beaver Lake County Park Master Plan (Maintenance)

x

\_\_\_

\_\_\_

\_\_\_

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Without a plan for redevelopment, the park will continue to deteriorate and will reflect negatively on the County's image, and will ultimately result in the loss of the intended public service when the buildings and grounds are no longer functional.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?    Yes \_\_\_    No x    When? \_\_\_\_\_  
 If project was funded, are carryover funds available?    Yes \_\_\_    No x  
 Year(s) and amounts budgeted and expended    Year(s) \_\_\_\_\_    Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Annual life cycle maintenance costs are estimated to be 1% of construction cost. Design and construction efficiencies will be incorporated into this project with this intent to prevent or reduce increased maintenance and operations costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

N/A

**Estimated Useful Life:**    20-30 years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018.

**COUNTY MANAGER COMMENTS:**

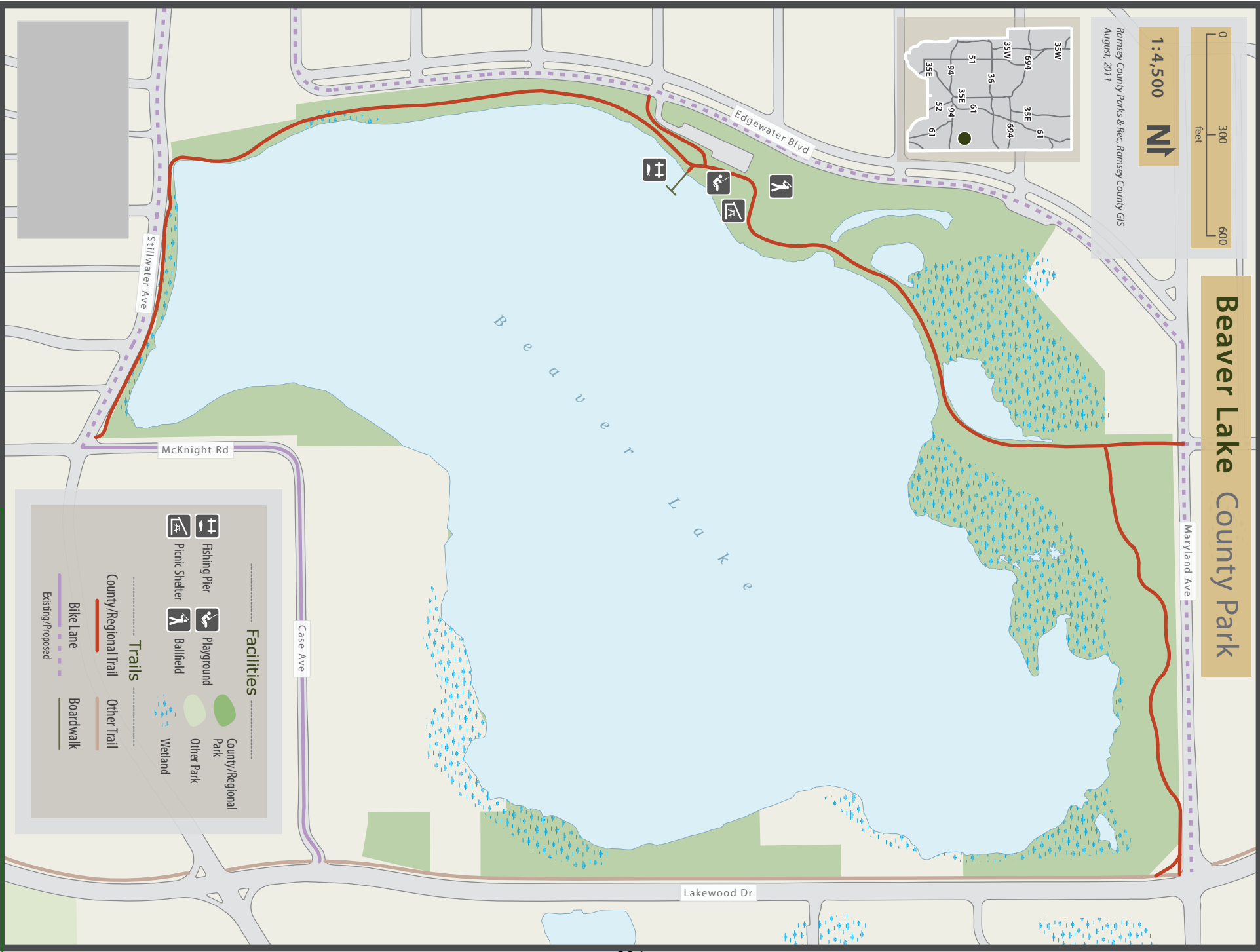
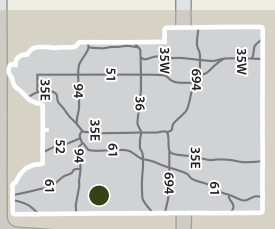
County Manager recommends financing this project using bond proceeds of \$100,000 in 2018.

# Beaver Lake County Park

0 300 600  
feet

1:4,500 **NI**

Ramsey County Parks & Rec, Ramsey County GIS  
August, 2011



Facilities	
	Fishing Pier
	Picnic Shelter
	Playground
	Ballfield
Trails	
	County/Regional Trail
	Other Trail
	Bike Lane
	Boardwalk
	Existing/Proposed
Park Types	
	County/Regional Park
	Other Park
	Wetland

6 - Beaver Lake Park Redevelopment  
Attachment A - Park Map

## Beaver Lake County Park

### Preliminary Estimate for Master Planning Process

Here is a schematic flow chart for the Beaver Lake County Park master plan:

#### Phase 1 – Site Inventory and Analysis Phase (\$30,000) –

Complete Site Inventory and Analysis Phase (Approx. 3 months to complete)  
Includes: Topographic Survey, Tree Survey, Soil Boring/Soil Analysis, Natural Resource Component Analysis, Archeological Survey, and Phase I and Phase II.

#### Phase 2 - Master Plan Document Phase (\$70,000) –

Master Plan Document Phase (Approx. 9 months to complete)

- **Planning Framework**
  - Overview
  - Regional Context
  - Ramsey County Parks and Recreation
  - History
- **Inventory and Needs Assessment**
  - Demand Forecast
  - Equity Review
- **Boundaries and Acquisition Costs**
- **Historic and Natural Resources Inventory**
- **Development Concept**
  - Design parameters
  - Development Concept
  - Conflicts
  - Accessibility
- **Stewardship Plan**
- **Implementation Plan**
  - Construction Cost Estimate
  - Phasing and Priorities
  - Operations
- **Public Engagement and Participation occurs throughout all phases**
- **Public Services**
- **Public Awareness**
- **Approvals**



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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING 18**

Department Name & Code #:	Project Title or Item:	NON-ROUTINE (New/Renovation) Or ROUTINE (Maintenance)	Yes	No
			_____	_____
Parks and Recreation/660000	Satellite Maintenance Facility		_____	_____
<b>Account:</b> 441201____ 441212____	<b>Dept Priority</b>			
441202____ OTHER_____	<b>Number:</b> <u>7</u>			
		CM Ranking <u>17</u>	CIPAC Ranking <u>18</u>	

**PROJECT DESCRIPTION:**

Design and development of a permanent equipment storage facility that would also serve as a satellite work location for Parks and Recreation maintenance employees who perform maintenance and service to the White Bear Lake County Park, Bald Eagle Otter Lakes Regional Park and Tamarack Nature Center facilities. Employees servicing these facilities currently report to the Parks and Recreation Maplewood office location and commute, trailering all equipment to and from the noted park facilities each day. Project includes design and construction of an all season 2,400 square-foot equipment storage facility including small break room for employees to access as they check in and out each day and have lunch.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 110,000	\$ -	\$ 110,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Gus Blumer - Parks Project Manager

**Date of Estimate:** 1/15/2017

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING 18**

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Satellite Maintenance Facility

Or ROUTINE  
(Maintenance)

\_\_\_

\_\_\_

\_\_\_

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**NARRATIVE JUSTIFICATION:**

The Parks and Recreation Department divides the seasonal maintenance responsibilities of parks into specific geographic districts. The goal of grouping a series of parks that are in close proximity to each other into a district is to maximize efficient use of staff resources and county owned equipment to maintain facilities and prepare them for patron use in a timely manner. The main maintenance and storage facility for the Parks Department is located at 2015 N Van Dyke Street in Maplewood. One way travel time to Ramsey County Park facilities located in the northeastern portion of the county can exceed 30 minutes while in traffic. This travel time reduces direct service to park facilities and park patrons as it creates a significant distance for employees to travel to and from parks each day to carry out routine duties such as emptying trash, cleaning facilities, performing maintenance and mowing lawns. A permanent equipment storage facility improves operations by reducing fuel consumption and drive time and maximizes the time employees spend performing service to the park facilities. Having a locked secure storage facility protects county assets, and with the facility located at the Tamarack Nature Center, equipment that is currently stored outside during the winter could be housed inside protecting assets and increasing their longevity of use. The County's image would also be improved as any efforts to reduce reoccurring commuting and increase the presense of staff performing maintenance in the park demonstrates a stronger commitment to serving the public and maintaining the park facilities.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	<u>X</u>	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** 18

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)  
Or ROUTINE  
(Maintenance)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Satellite Maintenance Facility

\_\_\_

\_\_\_

\_\_\_

\_\_\_

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Service to the park facilities located in the northeastern portion of the county will be reduced as employees will effectively begin their work day later and end earlier to account for increased drive time. The safety of employees would be placed at greater risk as equipment would have to be trailered to and from parks and on highways as they transport machinery to and from the main parks department facility each day. Fuel costs would increase due to increased travel. Patrons would be affected as facilities would experience a reduction in service and may not be prepared in time for customer use.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes\_                  No\_ x                  When?  
 If project was funded, are carryover funds available?      Yes\_\_\_                  No\_ x  
 Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_                  Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

If this facility were constructed the amount of time directly spent on performing maintenance of the park system would increase. Fuel costs would be reduced as miles driven would be significantly reduced.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

There is likely not a significant difference in the amount of revenue generated with or without this facility. However the higher standards of maintenance the department can provide the more likely customers will return to rent facilities in the future. Poorer maintenance standards lead to a less loyal customer base.

**Estimated Useful Life:**      50 years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC does not recommend financing this project in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager does not recommend financing this project in 2018 or 2019.



**CONTACT INFORMATION:**  
 B. Gus Blumer, Landscape Architect  
 2015 Van Dyke Street  
 Mapplewood, MN 55109  
 brett.blumer@co.ramsey.mn.us  
 651.748.2500

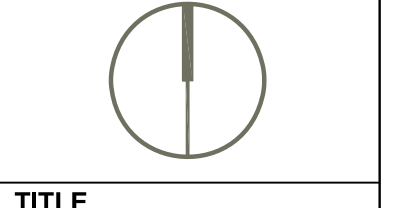
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.  
**Registration:** Landscape Architect  
**State:** Minnesota  
**Number:** 42844  
**Signature:** B. Gus Blumer

NO.	DATE	DESCRIPTION
1	X.YYZ	TEXT

**DESIGN PHASE:**  
**BID DOCUMENTS**

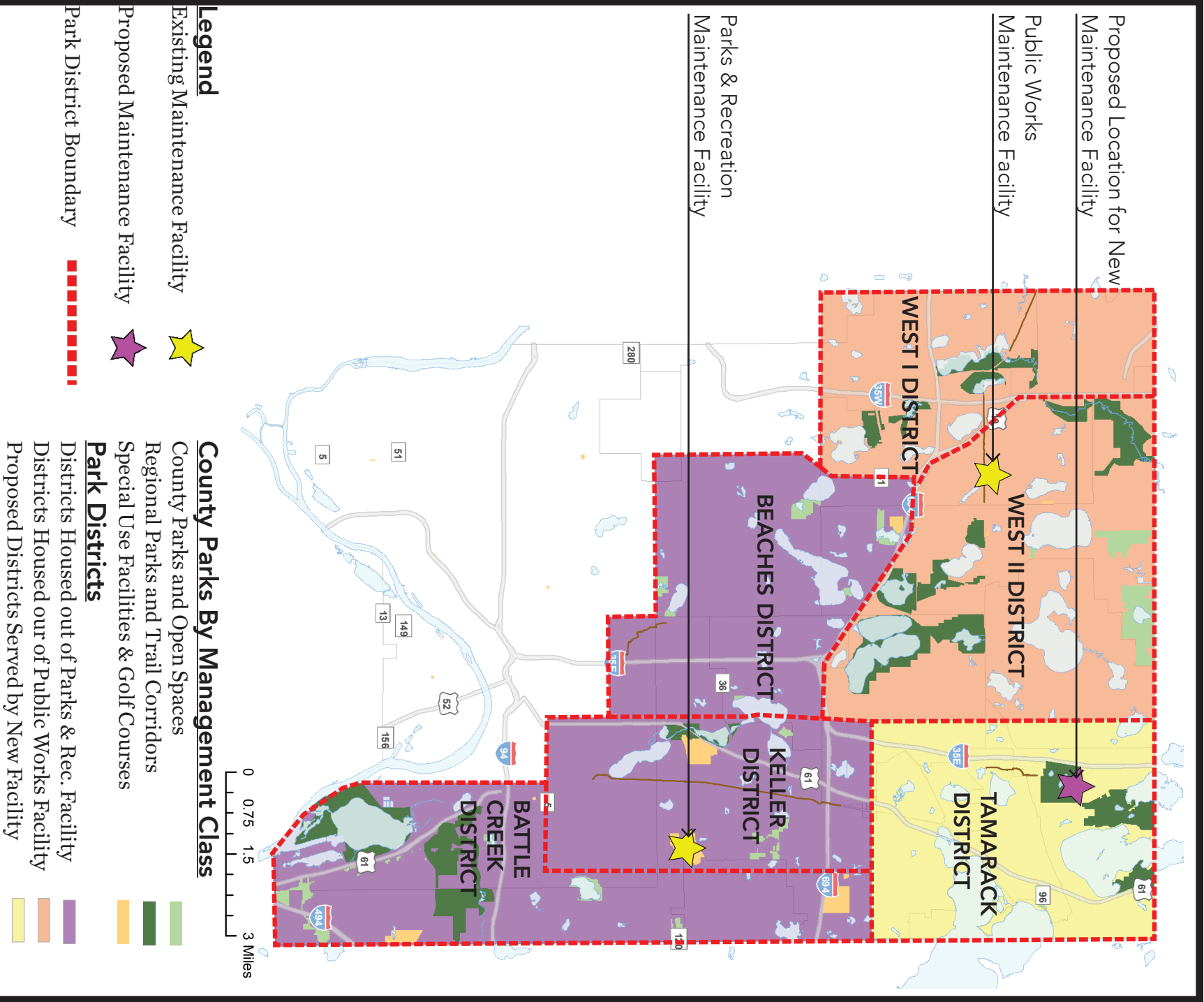
**SATELLITE MAINTENANCE FACILITY**  
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT

**DATE:** JANUARY 2017  
**DESIGNED BY:** BGB  
**DRAWN BY:** BGB  
**CHECKED BY:** SAY



**TITLE**  
 SITE PLAN

**RW 1.0**



**Ramsey County Parks**  
Maintenance Facilities & Management Districts



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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING 16**

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
<b>Code #:</b> <u>Parks and Recreation/660000</u>	<b>Item:</b> <u>Poplar Lake County Park Master Plan</u>	Or ROUTINE (Maintenance)	___	___
<b>Account:</b> 441201___ 441212___	<b>Dept Priority</b>			
441202___ OTHER_____	<b>Number:</b> <u>8</u>	CM Ranking <u>14</u>	CIPAC Ranking <u>17</u>	

**PROJECT DESCRIPTION:**

Poplar Lake County Park is the last of the county park properties left to be developed. The park is 430 acres located on the northern edge of Ramsey County. The western half of the park includes a variety of lowland and upland land habitats including Poplar Lake. The eastern portion of the park is mainly upland and was formerly agricultural. The eastern portion also contains a temporary site for composting. The project includes the development of a master plan to guide future development of the 430 acres. The master plan is proposed to be completed in two phases. Phase 1 Site Inventory and Analysis, will include a topographic survey, tree survey, soil boring/soil analysis, natural resource component analysis, archeological survey, and phase I and phase II environmental reviews. Phase 2 Master Plan Document will include a study of the regional context, historical review, inventory and needs analysis, public engagement process, development concept, stewardship plan, implementation plan, and communication process. The master plan will guide future development for elements such as buildings, roads, parking, creeks, ponds, lakes, wetlands, trails, amenities, turf games, landscaping, utilities, stormwater management, restoration, signage, gathering nodes, fitness/play elements, and potential land acquisition for park in holdings.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 300,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ 300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Parks and Recreation Staff

**Date of Estimate:** Dec-16



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** **16**

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Poplar Lake County Park Master Plan

Or ROUTINE  
(Maintenance)

\_\_\_

\_\_\_

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\_\_\_

**NARRATIVE JUSTIFICATION:**

Community interest in developing a portion of the Poplar Lake County Park property has initiated this process. Community members have inquired as to whether soccer fields could be placed in the park. Because there is not a master plan for the park, staff informed the public request that the master plan needs to be the first step. The master planning process is the public process to help determine what features should exist within the park. The communities of Shoreview and North Oaks are developing up to the park area. Future developments are planned to the north and east which will increase demand and need for developed parkland. There is a demand for additional County Park facilities in this area for active and passive recreations activities. In addition, there is a potential for partnerships with surrounding communities for park redevelopment efforts.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>	___
5. Reduce Operating Costs	___	<u>X</u>	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING 16**

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Poplar Lake County Park Master Plan

Or ROUTINE  
(Maintenance)

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\_\_\_

\_\_\_

\_\_\_

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Without a plan for development, the park will remain undeveloped for a longer period, and recreational needs will go unmet. The public enjoyment of the natural features of the park will remain limited to the rogue trails and informal use that occurs today. In addition, the park will not serve the surrounding communities recreational needs and will ultimately result in the loss of the intended public service.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously? Yes\_\_\_ No\_ x When? \_\_\_\_\_  
 If project was funded, are carryover funds available? Yes\_\_\_ No\_\_\_  
 Year(s) and amounts budgeted and expended Year(s) \_\_\_\_\_ Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

The development of the park will require year-round maintenance and natural resource restoration and maintenance. Annual life cycle maintenance costs are estimated to be 5% of construction cost. This includes approximately .5 FTE (maintenance, natural resource, and contractors), partial cost of maintenance vehicles (for trucks, mowers, garbage, plowing, and trails), supplies, pavilion rental, and other operation and maintenance costs for specific amenities included in the plan. Design and construction efficiencies will be incorporated into this project with this intent to prevent or reduce increased maintenance and operations costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Depending on what amenities are developed, there could be annual revenue from picnic pavilion rental, ski permit sales, and other facility use fees. Large group pavilion typically earns an average of \$25,000 annually in rental fees.

**Estimated Useful Life:** 40 years

**Estimated Payback Period:** N/A (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

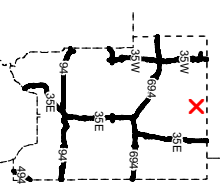
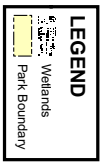
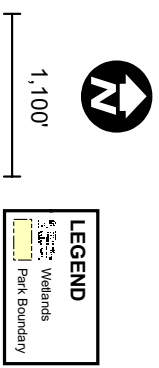
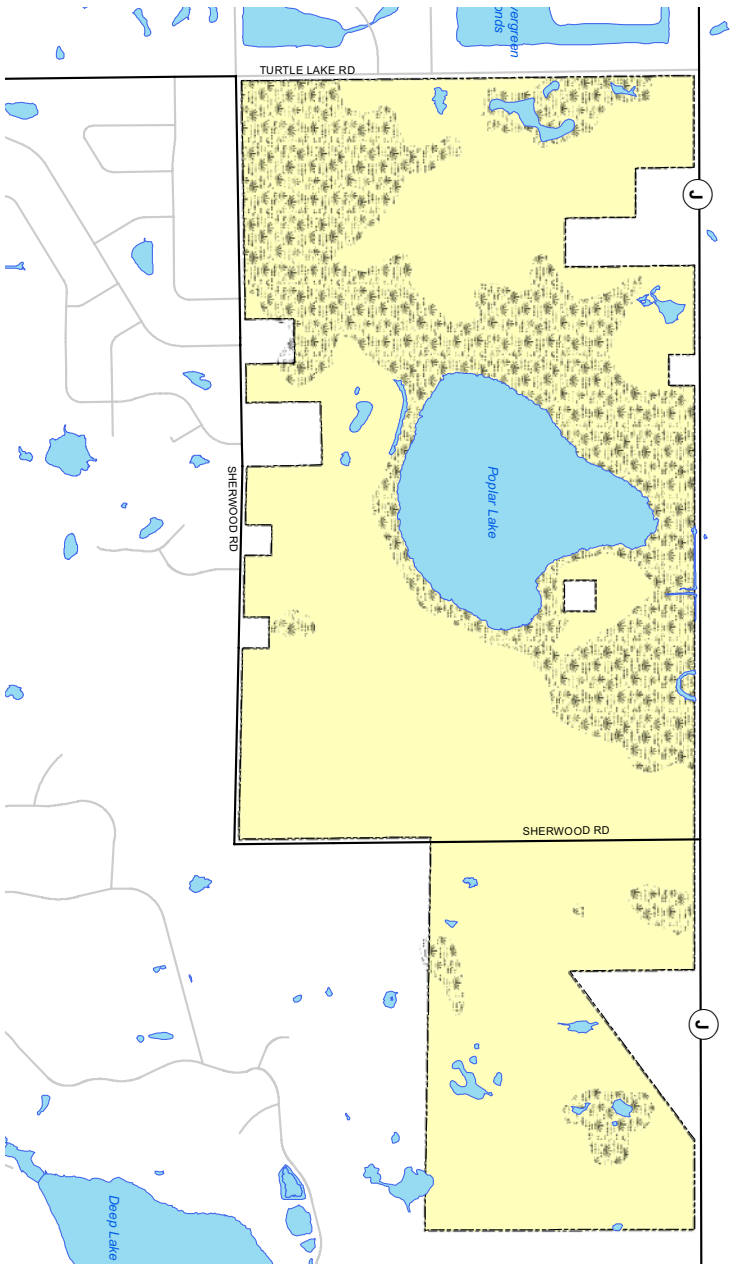
Revenue will not exceed expenses. County parks are provided as a service to the community for the social, emotional, intellectual, physical, and spiritual benefits provided.

**CIPAC COMMENTS:**

CIPAC does not recommend financing this project in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager does not recommend financing this project in 2018 or 2019.



# Poplar Lake County Park

RECREATION DEVELOPMENT MAP

## 8 - Poplar Lake Park Redevelopment Attachment A - Park Map

## Poplar Lake County Park

### Preliminary Estimate for Master Planning Process

Here is a schematic flow chart for the Poplar Lake County Park master plan:

#### Phase 1 – Site Inventory and Analysis Phase (\$150,000) –

Complete Site Inventory and Analysis Phase (Approx. 3 months to complete)

Includes: Topographic Survey, Tree Survey, Soil Boring/Soil Analysis, Natural Resource Component Analysis, Archeological Survey, and Phase I and Phase II.

#### Phase 2 - Master Plan Document Phase (\$150,000) –

Master Plan Document Phase (Approx. 9 months to complete)

- **Planning Framework**
  - Overview
  - Regional Context
  - Ramsey County Parks and Recreation
  - History
- **Inventory and Needs Assessment**
  - Demand Forecast
  - Equity Review
- **Boundaries and Acquisition Costs**
- **Historic and Natural Resources Inventory**
- **Development Concept**
  - Design parameters
  - Development Concept
  - Conflicts
  - Accessibility
- **Stewardship Plan**
- **Implementation Plan**
  - Construction Cost Estimate
  - Phasing and Priorities
  - Operations
- **Public Engagement and Participation occurs throughout all phases**
- **Public Services**
- **Public Awareness**
- **Approvals**

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING NR**

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
<b>Code #:</b> Parks and Recreation/660000	<b>Item:</b> Regional Park & Trail CIP/Legacy	Or ROUTINE (Maintenance)	___	___
<b>Account:</b> 441201___ 441212___	<b>Dept Priority</b>			
441202___ OTHER___	<b>Number:</b> 9	CM Ranking <b>Not Ranked</b>	CIPAC Ranking	<b>Not Ranked</b>

**PROJECT DESCRIPTION:**

Projects included within this category include redevelopment and new development of regional parks, trails and open spaces in accordance with the attached capital improvement program. All projects included in the capital improvement program are based on master plans approved by affected municipalities, the Ramsey County Board of Commissioners and the Metropolitan Council.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ 4,254,000	1,418,000	-	1,418,000	-	1,418,000	-
Other (Specify): Legacy Amendment Funds	\$ 8,203,430	1,217,820	1,292,090	1,423,380	1,423,380	1,423,380	1,423,380
<b>Totals (Project/Item Funding)</b>	<b>\$ 12,457,430</b>	<b>\$ 2,635,820</b>	<b>\$ 1,292,090</b>	<b>\$ 2,841,380</b>	<b>\$ 1,423,380</b>	<b>\$ 2,841,380</b>	<b>\$ 1,423,380</b>

**Who Prepared Cost Estimate:** Park Planning and Development staff

**Date of Estimate:** 1/12/2017

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**



Project # (CM Use Only)

**COMBINED RANKING NR**

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Regional Park & Trail CIP/Legacy

Or ROUTINE  
(Maintenance)

\_\_\_

\_\_\_

\_\_\_

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**NARRATIVE JUSTIFICATION:**

Ramsey County is one of ten implementing agencies for the seven county metropolitan area parks and open space system. The implementing agencies own and operate the parks, trails and open space in the 54,000 acre regional system. Ramsey County owns over 5,000 acres within this system. The Metropolitan Council is responsible for administration of the regional system of parks and open spaces, including approval of all park master plans prepared by the implementing agencies. Development funding, in the form of matching grants, is provided through a Capital Improvement Program (CIP) administered by the Metropolitan Council. The Regional CIP funding is composed of 40% Metro Park bonds and 60% State funding. The amount of funding distributed to each implementing agency is based, in part, on the number of visits to parks in each jurisdiction. Ramsey County is eligible for up to \$1,418,000 in Regional CIP funding for each of the 2018-2019, 2020-2021, and 2022-2023 bienniums, assuming state funding of \$10 million per biennium. Funding is approved separately for each biennium. Ramsey County has proposed park and trail development projects for each biennium within the anticipated funding limits. In addition to the CIP, Regional Parks and Trails are eligible for funding under the Legacy Amendment Parks and Trails Fund. Based on statutory formulas and the historical appropriation in 2018 and 2019 it is anticipated that Ramsey County will receive approximately \$1,217,820 in 2018, \$ 1,292,090 in 2019, and \$1,423,380 each for 2020, 2021, 2022, and 2023 for regional parks and trails projects. Legacy Amendment funds can be used for development, redevelopment, rehabilitation, natural resource management and program services that engage the public in outdoor activity.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>	___
5. Reduce Operating Costs	___	<u>X</u>	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING NR**

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)  
Or ROUTINE  
(Maintenance)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Regional Park & Trail CIP/Legacy

\_\_\_

\_\_\_

\_\_\_

\_\_\_

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Without this funding, necessary development and improvements to regional park facilities would not be implemented. Parks, trails and open spaces may contain barriers to access, be unsafe and not meet the recreational needs of the citizens of Ramsey County and the region.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_      When? \_\_\_\_\_  
 If project was funded, are carryover funds available?      Yes \_\_\_      No X  
 Year(s) and amounts budgeted and expended      Year(s) 1974-2017      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Each improvement will be evaluated for ways to prevent or reduce increased maintenance and operations costs. Design and construction efficiencies will be incorporated into each project with this intent. Forty percent (40%) of any increased O & M costs may be offset by Metropolitan Council funding for regional park operations and maintenance. Ongoing capital asset management will be included in the Regional Park Capital Asset Schedule (routine, non-routine) and are expected to be financed through state appropriations.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Each improvement will be evaluated for the potential to generate revenue sufficient to offset operations and maintenance costs.

**Estimated Useful Life:**      20-30 years

**Estimated Payback Period:**      NA      (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends that State and Legacy Amendment Funds be used in 2018 and 2019 to finance this project.



**REGIONAL PARK AND TRAIL DEVELOPMENT  
Metro Parks CIP and Legacy Funding  
(2018 - 2023)**

Project Description	Funding Source	Total	2018	2019	2020-2021	2022-2023
<b>REGIONAL PARKS</b>						
<b>System Wide</b>						
*Out-reach for nature and outdoor recreation programming	Legacy	\$750,000	\$125,000	\$125,000	\$250,000	\$250,000
*Regional Park and Trail Entrance ID Signs	Legacy	\$221,090	\$0	\$21,090	\$100,000	\$100,000
*ADA Improvements	Legacy	\$500,000	\$0	\$100,000	\$200,000	\$200,000
*Regional Park and Trail Master Plan Development	Legacy	\$440,000	\$40,000	\$200,000	\$100,000	\$100,000
*Natural Resource (CCM) Ea. Year	Legacy	\$660,000	\$110,000	\$110,000	\$220,000	\$220,000
<b>SUBTOTAL LEGACY FUNDING</b>		<b>\$2,571,090</b>	<b>\$275,000</b>	<b>\$556,090</b>	<b>\$870,000</b>	<b>\$870,000</b>
<b>SUBTOTAL CIP FUNDING</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Bald Eagle-Otter Lakes Regional Park</b>						
*TNC - Construction of a 5,500 SF building expansion to the existing Tamarack Nature Center (TNC) consisting of additional classroom and office area, bathrooms, storage; improve interior and exterior public gathering spaces for the existing TNC building; exterior building improvements to TNC; TNC deck and amphitheater; picnic shelter/covered canopy areas; improve connection to Discovery Hollow; relocate Logs and Hollow component of the Nature Play area; building and site improvements to the Tamarack Nature Center Maintenance Facility; Garden House expansion/improvements consisting of interior restrooms, upgrade mechanical systems, retrofit existing garden house section for all year use, outdoor public gathering area; and site improvements throughout the Tamarack Nature Facility including Teal Pond trail development, bituminous and natural trail redevelopment, enhanced viewing areas, prairie restoration, landscaping, stormwater management; site amenities; and signage.	Legacy	\$2,753,520	\$0	\$0	\$1,676,760	\$1,076,760
*TNC - Design/Engineering to develop building plans for a addition to the Nature Center, Sugar Shack, Garden House, Shelters, and Maintenance Facility. Develop site plans for gathering nodes, observation, amenities, trails, landscaping, signage, stormwater management; initiate construction for site related improvements such as trails, gathering nodes, nature observation, signage, landscaping, and site amenities. Supplement construction costs for amenities on the Campus Site and Infrastructure project.	Legacy	\$550,000	\$50,000	\$500,000	\$0	\$0
*Volunteer Coordinator	Legacy	\$450,000	\$75,000	\$75,000	\$150,000	\$150,000
*Design and Construction of Phase 1 Otter Lake Off-Leash Dog Area Improvements	Legacy	\$150,000	\$0	\$0	\$150,000	\$0
<b>SUBTOTAL LEGACY FUNDING</b>		<b>\$3,903,520</b>	<b>\$125,000</b>	<b>\$575,000</b>	<b>\$1,976,760</b>	<b>\$1,226,760</b>
<b>SUBTOTAL CIP FUNDING</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Battle Creek Regional Park</b>						
*Redevelop the existing playground in the Upper Afton section of Battle Creek Regional Park consisting of playground equipment replacement, playground container improvements, replace safety surface material, improved pedestrian connection from the picnic pavilion, landscape enhancement at the playground and picnic pavilion, and signage.	Legacy	\$200,000	\$200,000	\$0	\$0	\$0
*Mountain bike trail improvements consistent with the master plan.	Legacy	\$50,000	\$0	\$0	\$0	\$50,000
*Design and Construction improvements to the Battle Creek Off-Leash Dog Area.	Legacy	\$450,000	\$0	\$0	\$0	\$450,000
<b>SUBTOTAL LEGACY FUNDING</b>		<b>\$700,000</b>	<b>\$200,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>
<b>SUBTOTAL CIP FUNDING</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Long Lake Regional Park</b>						
*Phased design and construct of the Prairie Picnic Area picnic shelter and restroom facility, associated site/ parking/utility improvements, playground development, pedestrian trail connections, landscape restoration/enhancements, habitat restoration, signage, and site amenities; Design and Construction of the Rush Lake Picnic Area consisting of a picnic shelter and restroom facility, associated site/parking/utility improvements, playground development; Phase 1 of the Rush Lake Nature trail consisting of natural surface trails, boardwalk, scenic overlook areas, interpretive elements; Long Lake Boat Launch and South Shore Fishing Area consisting of shoreline restoration, enhanced fishing areas; and site improvements throughout Long Lake Regional Park consisting of bituminous trail redevelopment, pedestrian trail connections at picnic areas, landscape enhancements, habitat restoration, signage, and site amenities.	CIP	\$2,836,000	\$1,418,000	\$0	\$800,000	\$618,000
<b>SUBTOTAL LEGACY FUNDING</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SUBTOTAL CIP FUNDING</b>		<b>\$2,836,000</b>	<b>\$1,418,000</b>	<b>\$800,000</b>	<b>\$618,000</b>	<b>\$618,000</b>

**REGIONAL PARK AND TRAIL DEVELOPMENT**  
**Metro Parks CIP and Legacy Funding**  
**(2018 - 2023)**

Project Description	Funding Source	Total	2018	2019	2020-2021	2022-2023
<b>Tony Schmidt Regional Park</b>						
*Design and Construction of approximately .35 mile of 8' wide off-road bituminous trail along the north side of County Road E for connection into the existing Elmer L. Anderson Trail to the Elmer L. Anderson Trail within Tony Schmidt Regional Park; 1.3 mile trail loop around the Farrel Lake wetland complex consisting of 8' - 10' wide off-road bituminous trail sections and boardwalk on the from County Road E-2 to Lake Valentine Road near Mounds View High School; stormwater management; landscape restoration; signage; and site amenities.	<i>CIP</i>	\$1,418,000	\$0		\$618,000	\$800,000
<b>SUBTOTAL LEGACY FUNDING</b>		<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SUBTOTAL CIP FUNDING</b>		<b>\$1,418,000</b>	<b>\$0</b>		<b>\$618,000</b>	<b>\$800,000</b>
<b>Vadnais - Snail Lakes Regional Park</b>						
*Phase 2 Design and construct fishing nodes along Sucker Lake Channel, improve pedestrian connections, landscape restoration, and signage. Legacy funds will leverage non-state funds provided by the Vadnais Lake Area Water Management Organization (VLAWMO) for fishing node development and landscape restoration.	<i>Legacy</i>	\$160,000	\$160,000	\$0	\$0	\$0
<b>SUBTOTAL LEGACY FUNDING</b>		<b>\$160,000</b>	<b>\$160,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SUBTOTAL CIP FUNDING</b>		<b>\$0</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>
<b>REGIONAL TRAILS</b>						
<b>Bruce Vento Regional Trail</b>						
*Design/Engineering for final trail construction plans between Buerkle Road to Highway 96 consisting of design/engineering for trails, sidewalk, storm water management, wetland impacts, landscape, signage, pedestrian bridge, site amenities; and design/engineering for preliminary trail extension plans between Highway 96 to County Road J consisting of design/engineering for trail alignment, amenities, conceptual pedestrian bridge, grading, landscaping, stormwater management, and signage; and prepare a master plan amendment for the Bruce Vento Regional Trail including design/engineering, community engagement for new trail alignment, amenities, signage, land acquisition, trailhead areas, trail/pedestrian connections, landscaping, restoration, and stormwater management between Buerkle Road and County Road J.	<i>Legacy</i>	\$457,820	\$457,820	\$0	\$0	\$0
*Construction match for the Bruce Vento Regional Trail	<i>Legacy</i>	\$0	\$0	\$0	\$0	\$0
<b>SUBTOTAL LEGACY FUNDING</b>		<b>\$457,820</b>	<b>\$457,820</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Rice Creek Trail</b>						
*Co. Rd. I South Trailhead Development (TCAAP)	<i>Legacy</i>	\$163,000	\$0	\$163,000	\$0	\$0
*Design and Construction for the Rice Creek Off-Leash Dog Area Improvements	<i>Legacy</i>	\$250,000	\$0	\$0	\$0	\$250,000
<b>SUBTOTAL LEGACY FUNDING</b>		<b>\$413,000</b>	<b>\$0</b>	<b>\$163,000</b>	<b>\$0</b>	<b>\$250,000</b>
<b>SUBTOTAL CIP FUNDING</b>		<b>\$0</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>
<b>TOTAL LEGACY FUNDING</b>		<b>\$8,205,430</b>	<b>\$1,217,820</b>	<b>\$1,294,090</b>	<b>\$2,846,760</b>	<b>\$2,846,760</b>
<b>TOTAL CIP FUNDING</b>		<b>\$4,254,000</b>	<b>\$1,418,000</b>		<b>\$1,418,000</b>	<b>\$1,418,000</b>

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** **NR**

<b>Department Name &amp; Code #:</b> <u>Parks and Recreation/660000</u>	<b>Project Title or Item:</b> <u>Capital Asset Management- Admin/Maint</u>	NON-ROUTINE (New/Renovation) <u>      </u> Or ROUTINE (Maintenance) <u>  x  </u>	<b>Yes</b> <u>      </u>	<b>No</b> <u>      </u>
<b>Account:</b> 441201 <u>      </u> 441212 <u>      </u> 441202 <u>      </u> OTHER <u>      </u>	<b>Dept Priority Number:</b> <u>      10      </u>	CM Ranking <u>      Not Ranked      </u>	CIPAC Ranking <u>      Not Ranked      </u>	

**PROJECT DESCRIPTION:**

Scheduled replacement of building components for the Parks Administrative building (e.g. roof systems, HVAC systems, flooring) and grounds elements (e.g. bituminous roads, parking lots, sidewalks) are based on predictable life cycles. Each item included in the request have a scheduled life 10 years or more and a value of more than \$50,000 (see attached spreadsheet).

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 60,000	\$ -	\$ -	\$ 60,000	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ 40,000	-	-	40,000	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** n/a

**Date of Estimate:** n/a

**NARRATIVE JUSTIFICATION:**

In 2004, the Ramsey County Board of Commissioners established a goal: Ramsey County will implement a Comprehensive Capital Asset Management Preservation Plan (CCAMPP) to maintain high-quality services and maximize return on its public investment. Subsequently, the County established a uniform life cycle replacement program for buildings and grounds components based on industry standards and best practices. The Parks and Recreation Administrative/Maintenance Center is included in the program. All components of the facility, building and grounds have been placed in the schedule. The building was constructed in 1985 with funding assistance from the Metropolitan Council, reflecting the shared use to support regional parks. Since the facility supports regional park operations and maintenance, it is anticipated that 40% of the cost of these improvements will be funded through State grants for rehabilitation of regional parks.

EVALUATION CRITERIA:	Yes	No	Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>  x  </u>	<u>      </u>	<u>  x  </u>	<u>      </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>  x  </u>	<u>      </u>	<u>      </u>	<u>  x  </u>
5. Reduce Operating Costs	<u>  x  </u>	<u>      </u>	<u>  x  </u>	<u>      </u>
6. Protect Property	<u>  x  </u>	<u>      </u>	<u>      </u>	<u>      </u>
7. Provide Public Service	<u>      </u>	<u>      </u>	<u>  x  </u>	<u>      </u>
8. Provide Public Convenience	<u>      </u>	<u>      </u>	<u>      </u>	<u>  x  </u>
9. Enhance County Image	<u>      </u>	<u>      </u>	<u>  x  </u>	<u>      </u>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &**

**Project Title or**

**Code #:** Parks and Recreation/660000

**Item:** Capital Asset Management-Admin/Maint

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Deferral of scheduled life cycle replacements for the Administration/Maintenance Center will result in deterioration of the building and grounds requiring extraordinary operating costs for remedial repair and maintenance of failed components.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes x      No \_\_\_\_\_      When? Capital Asset Management projects have been funded through CIP, with matching funds  
If project was funded, are carryover funds available?      Yes \_\_\_\_\_      No \_\_\_\_\_      through the State \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Budgeted/Expended \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Deferral of scheduled life cycle replacements places extraordinary demands on operating budgets in order to maintain and repair antiquated and obsolete components. Since all of the items are included in this request are scheduled life cycle maintenance items, they are part of the current capital asset management system.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

None.

**Estimated Useful Life:**      n/a

**Estimated Payback Period:**      n/a (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

This project did not request funding in 2018 or 2019.

Parks and Recreation  
Capital Asset Management-Admin/Maint

Location	Subsystem Description	Funded	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Admin Bldg	Building Management System		1985	20	2005	\$100,000	100,000	0	0	0	0	0	0	0	0	0	0
Admin Bldg	Fire Suppression System		1985	50	2035	\$450,000	0	0	0	0	0	0	0	0	0	0	0
Admin Bldg	Hoist-Two Post (1)	2013 CCAMP/REG REHAB	2013	25	2038	\$57,751	0	0	0	0	0	0	0	0	0	0	0
Admin Bldg	Paint Interior Roof T-Panels		1985	30	2015	\$180,000	180,000	0	0	0	0	0	0	0	0	0	0
Admin Bldg	Pole Barn		1970	50	2020	\$100,000	0	0	0	0	100,000	0	0	0	0	0	0
Admin Bldg	Roof - Membrane	2006 CIP/REG REHAB	2007	20	2027	\$138,500	0	0	0	0	0	0	0	0	0	0	0
Admin Bldg	Underground Fuel Tanks (3)	2014 CIP REQUEST	2015	30	2045	\$150,000	0	0	0	0	0	0	0	0	0	0	0
							280,000	0	0	0	100,000	0	0	0	0	0	0

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING NR**

**Department Name &**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** Parks and Recreation/660000

**Item:** Capital Asset Management-Parks

Or ROUTINE  
(Maintenance)

\_\_\_

\_\_\_

X

\_\_\_

**Account:** 441201\_\_\_ 441212\_\_\_  
441202\_\_\_ OTHER\_\_\_\_\_

**Dept Priority Number:** 11

CM Ranking Not Ranked

CIPAC Ranking Not Ranked

**PROJECT DESCRIPTION:**

The Parks and Recreation Department manages nine county parks totaling approximately 5,700 acres. This project reflects the scheduled replacement of building and grounds components within parks based on predictable life cycles. Each item included in this request has a scheduled life of 10 years or more and a value of more than \$50,000 (see attached spreadsheet).

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 635,000	\$ -	\$ -	\$ -	\$ 110,000	\$ 225,000	\$ 300,000
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 635,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 110,000</b>	<b>\$ 225,000</b>	<b>\$ 300,000</b>

**Who Prepared Cost Estimate:** Parks & Recreation Staff

**Date of Estimate:** 1/17/2017

**NARRATIVE JUSTIFICATION:**

In 2004, the Ramsey County Board of Commissioners established the goal: Ramsey County will implement a Comprehensive Capital Asset Management Preservation Plan (CCAMPP) to maintain high-quality services and maximize return on its public investment. Subsequently, the County established a uniform life cycle replacement program for buildings and grounds components based on industry standards and best practices. The Department has maintained this system to reflect life cycle replacement that has been implemented for projects funded under the County's Capital Improvement Program (bonds) and Building Improvements Program (levy). In addition, the Department maintains buildings and grounds condition reports for each area which are updated annually to document improvements, life cycle replacement and the general condition of facility components. Following the scheduled life cycle replacement of the buildings and grounds components enables the Department to maintain quality services and preserve the assets of the County. The backlog projects for County parks have been distributed as noted on attached summary.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			





Parks and Recreation  
Capital Asset Management-Parks

Location	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Beaver Lake Park	Playground Equipment		1999	25	2024	\$75,000	0	0	0	0	0	0	0	0	75,000	0	0
Island Lake Park	Playground Equipment		1993	30	2023	\$150,000	0	0	0	0	0	0	0	150,000	0	0	0
Lake Gervais Park	Playground Equipment		1997	25	2022	\$75,000	0	0	0	0	0	0	75,000	0	0	0	0
Lake Josephine Park	Playground Equipment		1997	25	2022	\$75,000	0	0	0	0	0	0	75,000	0	0	0	0
Lake Owasso Park	Playground Equipment		1997	25	2022	\$75,000	0	0	0	0	0	0	75,000	0	0	0	0
McCarron's Park	Boat Launch Planks		2011	25	2036	\$50,000	0	0	0	0	0	0	0	0	0	0	0
McCarron's Park	Playground Equipment		1998	25	2023	\$75,000	0	0	0	0	0	0	0	75,000	0	0	0
Turtle Lake Park	Playground Equipment		1998	25	2023	\$75,000	0	0	0	0	0	0	0	75,000	0	0	0
White Bear Park	Playground Equipment		1996	25	2021	\$110,000	0	0	0	0	0	110,000	0	0	0	0	0
							0	0	0	0	0	110,000	225,000	300,000	75,000	0	0

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# Department Summary

James Tolaas, Director

1425 Paul Kirkwold Dr, Arden Hills



Public Works

## VISION

**A vibrant community where all are valued and thrive.**

## MISSION

**A county of excellence working with you to enhance our quality of life.**

## DEPARTMENT OVERVIEW

The Public Works Department is responsible for construction, operation and maintenance of a 293 mile roadway system which serves as an arterial network connecting neighborhoods and businesses to the trunk and interstate highway system. Enhancing the safety and functionality of that network, for all users and all modes, is of the highest importance.

Program development and delivery continues to evolve within the context of Countywide Goals and Initiatives. Organizational realignment into service teams with Public Works part of the Economic Growth and Community Investment (EGCI) team provides a new foundation for improved collaboration with other departments. EGCI is currently developing a holistic "Impact Investing Framework" to guide team efforts that support the Board's 2013 commitment to "Cultivate Economic Prosperity and Combat Areas of Financial Poverty." Additional traction was gained in 2016 with County Board adoption of a Countywide Pedestrian and Bicycle Plan and All Abilities Transportation Network Policy, putting in place an interactive framework to guide project selection and design priorities to ensure all system users, regardless of age, ethnicity, economics and abilities have access to high quality multi-modal transportation alternatives. Strategic, collaborative transportation infrastructure investments provide mobility and connections critical to reviving neighborhoods, creating jobs and acting as a catalyst or synergistic force to capture private investment. More than ever, collaboration will be key to leverage our limited resources. Public Works continues to partner with state, local and community representatives to secure outside funding sources and identify strategic high value investments. Ongoing implementation of an enterprise asset management system will optimize investment strategies, support data driven solutions and improve fiscal accountability.

As these initiatives are implemented, they are integrated with authentic and robust public engagement designed to foster collaboration across economic status, race and culture with the goal of meeting a wide range of transportation needs. With a clear understanding of how transportation impacts our quality of life, we strive to meet the needs of our community, many of which fall outside the traditional transportation landscape.

# Department Summary

James Tolaas, Director

1425 Paul Kirkwold Dr, Arden Hills



Public Works

## PROGRAMS / SERVICES

- Operate and Maintain County Road System
- Protect and Enhance Water Resources
- Transportation Planning
- Land Survey Records
- Geographic Information System Database

## GOALS & STRATEGIES

### **Strengthen individual, family and community health, safety and well-being.**

- Public Works' transportation program is developed and implemented with the full engagement of communities to ensure transportation infrastructure optimizes a wide array of friendly, safe, accessible, environmentally sensitive mode alternatives for users of all abilities and incomes.

### **Cultivate economic prosperity and invest in neighborhoods with concentrated financial poverty.**

- Enhance and expand public outreach using context appropriate communication strategies and tools during all aspects of program and project development to help ensure all views and ideas are heard and genuinely considered during planning, scoping, design, and implementation.

### **Enhance access to opportunity and mobility for all residents and businesses.**

- Work collaboratively with federal, state, municipal and private sector partners to develop safe and efficient high quality transportation programs, projects, operations, and management strategies to incorporate a complete array of multimodal transportation features in Ramsey County and the surrounding region.

### **Model forward-thinking investment, fiscal accountability and transparency.**

- Prepare and implement transportation programs using asset management principles and tools to support proactive strategies, optimize investments, improve operations, reduce maintenance costs, minimize waste, promote environmental stewardship, improve public access/reporting, and be responsive to changing demographic and social needs.

# Department Summary

James Tolaas, Director

1425 Paul Kirkwold Dr, Arden Hills

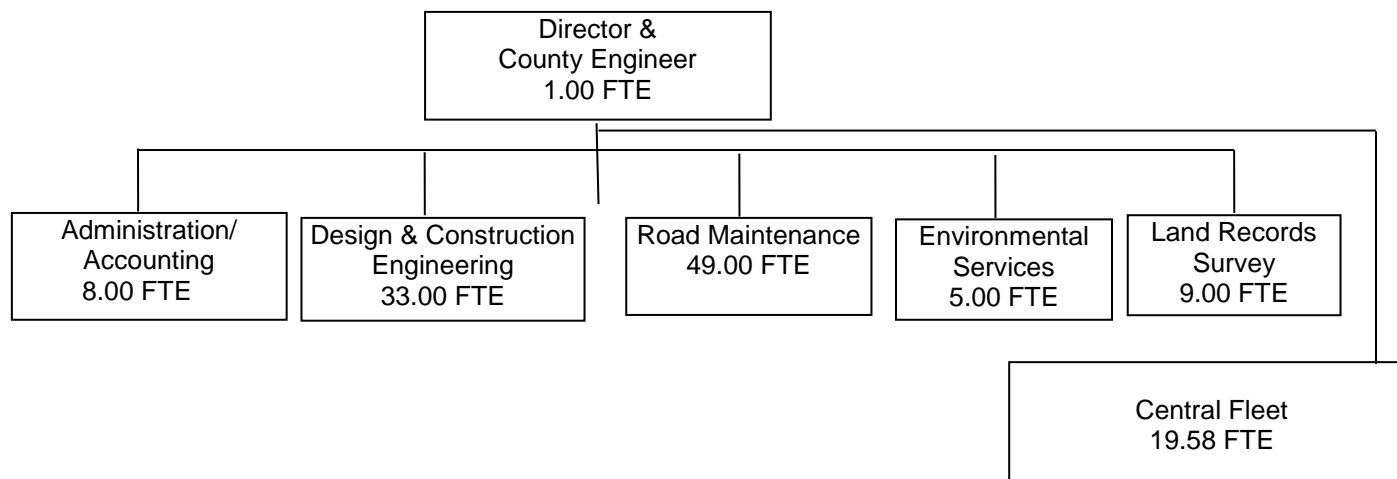


Public Works

## 2017 ORGANIZATION CHART

Personnel - FTE	
2016 Budget	- 117.58
2017 Budget	- 124.58
2018 Proposed	- 129.58
2019 Proposed	- 129.58

(FTE includes both Public Works & Central Fleet)



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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

**Dept Name & Code #** Public Works - 550000

FUNDING SOURCE	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 12,100,000	\$ 2,100,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
Federal Funds	23,172,000	8,229,000	7,943,000	-	7,000,000	-	-
State Funds	44,104,000	12,079,000	11,580,000	8,005,000	12,280,000	80,000	80,000
Other (Specify)      Municipal	20,691,000	1,916,000	4,982,000	2,491,000	11,302,000	-	-
Other (Specify)      County State Aid Highway	65,092,000	9,926,000	12,061,000	16,970,000	24,135,000	1,000,000	1,000,000
Other (Specify)      Wheelage Tax	47,400,000	7,900,000	7,900,000	7,900,000	7,900,000	7,900,000	7,900,000
<b>TOTALS (Must agree with Summary by Project)</b>	<b>\$ 212,559,000</b>	<b>\$ 42,150,000</b>	<b>\$ 46,466,000</b>	<b>\$ 37,366,000</b>	<b>\$ 64,617,000</b>	<b>\$ 10,980,000</b>	<b>\$ 10,980,000</b>



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

Dept Name & Code # Public Works - 550000

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
1	Public Works Facility Space Planning	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -
2	Pavement Preservation	40,800,000	6,800,000	6,800,000	6,800,000	6,800,000	6,800,000	6,800,000
3	CSAH Road Construction	147,079,000	31,070,000	35,986,000	26,386,000	53,637,000	-	-
4	Traffic Signal Upgrades	4,800,000	800,000	800,000	800,000	800,000	800,000	800,000
5	Drainage Systems & Structures	3,500,000	600,000	500,000	600,000	600,000	600,000	600,000
6	Comprehensive Bridge Maintenance	3,500,000	600,000	500,000	600,000	600,000	600,000	600,000
7	Pedestrian & Bike Facilities	4,700,000	800,000	700,000	800,000	800,000	800,000	800,000
8	ADA Compliance	3,500,000	600,000	500,000	600,000	600,000	600,000	600,000
9	Roadway Appurtenances	4,100,000	700,000	600,000	700,000	700,000	700,000	700,000
10	New Equipment - Rd Mtce & Eng	480,000	80,000	80,000	80,000	80,000	80,000	80,000
<b>TOTALS (Last Page Only)</b>		<b>\$ 212,559,000</b>	<b>\$ 42,050,000</b>	<b>\$ 46,466,000</b>	<b>\$ 37,366,000</b>	<b>\$ 64,617,000</b>	<b>\$ 10,980,000</b>	<b>\$ 10,980,000</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING 10**  
Yes No

<b>Department Name &amp;</b>	<b>Project Title or</b>	<b>NON-ROUTINE</b> (New/Renovation)			
<b>Code #:</b> <u>Public Works - 550000</u>	<b>Item:</b> <u>Public Works Facility Space Planning</u>	Or <b>ROUTINE</b> (Maintenance)	<u>    </u>	<u>    </u>	
<b>Account:</b> 441201 <u>    </u> 441212 <u>    </u>	<b>Dept Priority</b>				
441202 <u>    </u> OTHER	<b>Number:</b> <u>    1    </u>			CM Ranking <u>    11    </u>	CIPAC Ranking <u>    6    </u>

**PROJECT DESCRIPTION:**

This request would provide for a comprehensive study of space utilization by Public Works at the 29 acre Arden Hills site. The department is considering a phased hiring of additional staff in a number of divisions that support program delivery and a variety of transportation services. The current facility, which includes office, mechanical/maintenance garage, warm and cold storage and outdoor storage if fully utilized as currently configured and cannot properly support additional staff. This study would assess changes to (continued after CM comments)

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING				
		2018	2019	2020	2021	2022
County Funds	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-
Other (Specify): County State Aid Highway	\$ -	-	-	-	-	-
Other (Specify): Wheelage Tax	\$ -	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 100,000</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Public Works Engineering Staff

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

The 29 acre Public Works Facility was designed and constructed for the current staff and equipment complement. Significant growth in our transportation program and related services over the past 3-5 years has created workloads exceeding the capabilities of existing staff, necessitating a growing reliance on costly outsourced engineering and operations services. The department is evaluating current staff levels and department program size in an effort to better match in-house capabilities to ongoing program delivery requirements. This CIP request will evaluate facilities modifications and/or options to office recommended staff level increases and garage any vehicles or equipment required to support staff services.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	<u>    </u>	7. Provide Public Service	<u>X</u>	<u>    </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	<u>    </u>	8. Provide Public Convenience	<u>X</u>	<u>    </u>
5. Reduce Operating Costs	<u>X</u>	<u>    </u>	9. Enhance County Image	<u>X</u>	<u>    </u>
6. Protect Property	<u>X</u>	<u>    </u>			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** Public Works Facility Space Planning

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Outsourcing of engineering and operations services will continue to be a significant cost factor in program delivery. Program investments, services quality, responsiveness and timeliness of their delivery will be undermined, reducing benefits to the public and value loss to the overall transportation system. The existing facility simply cannot effectively accomodate additional staff hires without modification or development of additional physical work space and existing staff levels cannot fully meet the technical or operational requirements of the current transportation program.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously? Yes\_\_\_ No x When? \_\_\_\_\_  
If project was funded, are carryover funds available? Yes\_\_\_ No x  
Year(s) and amounts budgeted and expended Year(s)

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Outsourced engineering and operations services are more costly than in-house services when applied regularly to program delivery for projects and services that are withing the technical capabilities or skill sets of in-house staff. Additional expenditures on program delivery reduces the level of program investments reduces the level of program investments commensurate with additional staff costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** \_\_\_\_\_

**Estimated Payback Period:**

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 with bonds.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$100,000 in 2018.

**PROJECT DESCRIPTION (continued from page 1)**

space configurations within existing floor plans and identify opportunities to repurpose space uses throughout the complex. That includes evaluating opportunities to alter or redistribute space within building areas occupied by the partnering agencies of Arden Hills, Ramsey Conservation District and Mounds View School District 621. The study will also determine the feasibility of constructing one or more additions to the existing building footprint.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** 5  
Yes No

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
<b>Code #:</b> <u>Public Works - 550000</u>	<b>Item:</b> <u>Pavement Preservation</u>	Or ROUTINE (Maintenance)	<u>   </u>	<u>   </u>
<b>Account:</b> 441201 <u>   </u> 441212 <u>   </u>	<b>Dept Priority</b>	CM Ranking <u>   1   </u>	CIPAC Ranking <u>   11   </u>	
441202 <u>   </u> OTHER <u>443201</u>	<b>Number:</b> <u>   2   </u>			

**PROJECT DESCRIPTION:**

This project includes three types of major road maintenance of pavements: Cold In Place Recycling (CIR), Mill and Overlay and Concrete Rehabilitation. CIR consists of pulverizing deteriorated pavement, adding emulsions, and paving. Mill and overlay consists of grinding off the surface of deteriorated pavement and paving. Concrete repair includes patching deteriorated concrete and joint repair or bituminous overlay. Estimate includes bringing pedestrian facilities into compliance with the Americans with Disabilities Act.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 12,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify): County State Aid Highway	\$ 6,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Other (Specify): Wheelage Tax	\$ 22,800,000	3,800,000	3,800,000	3,800,000	3,800,000	3,800,000	3,800,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 40,800,000</b>	<b>\$ 6,800,000</b>	<b>\$ 6,800,000</b>	<b>\$ 6,800,000</b>	<b>\$ 6,800,000</b>	<b>\$ 6,800,000</b>	<b>\$ 6,800,000</b>

**Who Prepared Cost Estimate:** Public Works Engineering Staff

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

To maintain desirable road conditions, all Ramsey County roads are assessed and maintained according to the Pavement Management System Condition Rating Program. These ratings are performed every two years by visually inspecting every segment of roadway under County jurisdiction. The Pavement Management System is also used to establish priorities for major maintenance work. Projects are completed based upon available funding. Major maintenance activities, such as this project, are a cost-effective method of preserving the County's investment in the underlying structure of the road costing an average of \$250,000 per mile versus many times that amount for full reconstruction.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	<u>   </u>	7. Provide Public Service	<u>X</u>	<u>   </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	<u>   </u>	8. Provide Public Convenience	<u>X</u>	<u>   </u>
5. Reduce Operating Costs	<u>X</u>	<u>   </u>	9. Enhance County Image	<u>X</u>	<u>   </u>
6. Protect Property	<u>X</u>	<u>   </u>			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** Pavement Preservation

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Deterioration of the road system will not only continue, but at an accelerated pace, causing drivers to experience not only the inconvenience but the potential safety hazards of rough pavements. The total service life of roads, that are not resurfaced on a timely basis will be shortened, decreasing the amount of time before the road requires the much more costly reconstruction solution.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously? Yes x No      When? Annually  
If project was funded, are carryover funds available? Yes      No x  
Year(s) and amounts budgeted and expended Year(s) \$2,000,000 annually since 2012, \$1,000,000 annually prior to 2012. Account Code 550480 443201 P033074

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

The American Automobile Association estimates that deteriorated roads add \$.03 per mile in automobile operating expenses and the deteriorated roads cost about \$3,000 more per mile per year to maintain. The average County road carries 9,600 cars per day.  $(9,600 \times \$0.03 \times 365 \text{ days}) + \$3,000 = \$108,120$  per mile per year.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** 15 Years

**Estimated Payback Period:** 2.30 years (\$250,000 per mile est cost / \$108,120.) (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 and 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds, County State Aid Highway funds, and Wheelage Tax funds in 2018 and 2019.



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** **NR**  
Yes No

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
<b>Code #:</b> Public Works - 550000	<b>Item:</b> CSAH Road Construction	Or ROUTINE (Maintenance)	___	<u>X</u>
			<u>X</u>	___

**Account:** 441201\_\_\_ 441212\_\_\_ **Dept Priority**  
441202\_\_\_ OTHER 442305 **Number:** 3 **CM Ranking** Not Ranked **CIPAC Ranking** Not Ranked

**PROJECT DESCRIPTION:**

Reconstruction of Ramsey County roadways and traffic signals according to the priorities established by the Ramsey County Transportation Improvement Program. This request includes only those construction projects for which the County's share of the costs are funded by its County State Aid Highway account balance.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ 23,172,000	8,229,000	7,943,000	-	7,000,000	-	-
State Funds	\$ 43,624,000	11,999,000	11,500,000	7,925,000	12,200,000	-	-
Other (Specify): County State Aid Highway	\$ 59,092,000	8,926,000	11,061,000	15,970,000	23,135,000	-	-
Other (Specify): Municipal	\$ 20,691,000	1,916,000	4,982,000	2,491,000	11,302,000	-	-
Other (Specify): Wheelage Tax	\$ 500,000	-	500,000	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 147,079,000</b>	<b>\$ 31,070,000</b>	<b>\$ 35,986,000</b>	<b>\$ 26,386,000</b>	<b>\$ 53,637,000</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Public Works Engineering Staff

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

The Department of Public Works utilizes the Transportation Improvement Program (TIP) to determine the prioritization of road reconstruction projects. The TIP is developed by assessing the condition of the existing road system and its adequacy to meet needs. Priorities are established with community involvement. Projects are then initiated in accordance with this priority listing and are implemented when the plan development process is complete and accepted via the required public involvement process. The specific projects listed here are those for which funding for the County share is available or will be available from its County State Aid Highway fund balance.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>	___
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** CSAH Road Construction

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Completion of the specific projects listed under this request does not require Non-County State Aid Highway funding for the County's share. No County funds are requested.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes x                      No                           When? Annually  
 If project was funded, are carryover funds available?      Yes                           No x  
 Year(s) and amounts budgeted and expended      Year(s)                           Account Code     

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Implementation of the proposed projects will reduce the cost of maintaining these roadways.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

County State Aid funding is currently based in part on road system needs. Funds are allocated based upon many factors including road conditions and capacity. Accordingly, as road pavements are improved, minor adjustments in the CSAH allotments will occur which will be more than offset by decreased maintenance costs.

**Estimated Useful Life:**      35 Years

**Estimated Payback Period:**      5 to 7 Years      (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project with Federal, State, Municipal, and Wheelage Tax funds in 2018 and 2019.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANKING **NR**  
Yes No

<b>Department Name &amp; Code #:</b> <u>Public Works - 550000</u>	<b>Project Title or Item:</b> <u>Traffic Signal Upgrades</u>	NON-ROUTINE (New/Renovation) Or ROUTINE (Maintenance)	<table border="0"> <tr><td>Yes</td><td>___</td></tr> <tr><td>No</td><td>___</td></tr> <tr><td>Yes</td><td><u>X</u></td></tr> <tr><td>No</td><td>___</td></tr> </table>	Yes	___	No	___	Yes	<u>X</u>	No	___
Yes	___										
No	___										
Yes	<u>X</u>										
No	___										
<b>Account:</b> 441201___ 441212___ 441202___ OTHER <u>442320</u>	<b>Dept Priority Number:</b> <u>4</u>	CM Ranking <u>Not Ranked</u>	CIPAC Ranking <u>Not Ranked</u>								

**PROJECT DESCRIPTION:**

Replacement and upgrades to traffic signal systems.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify): Wheelage Tax	\$ 4,800,000	800,000	800,000	800,000	800,000	800,000	800,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 4,800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>

**Who Prepared Cost Estimate:** Public Works Engineering Staff

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

Ramsey County Public Works owns and operates 162 traffic signals and is responsible for operation of 42 additional signals owned by other agencies. The County also owns an additional 161 signals within the City of St Paul which, by agreement, are operated by the City. The majority of these were built between the years 1970 and 2000. Many of the systems are in need of upgrades or complete replacement. Upgrades may include new conduit and wiring, cabinet and controller replacement, ADA improvements, pedestrian countdown timers, signal head replacement, street lighting, communications equipment and fiber. Signal upgrades can cost as much as \$100,000. More than 50 signals have aged to the point of needing complete replacement. A complete signal replacement costs approximately \$200,000 to \$250,000.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>	___
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** Traffic Signal Upgrades

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

If signals are not replaced or upgraded they will eventually fail, significantly impacting traffic congestion and accident rates.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?	Yes	No <u>X</u>	When? _____
If project was funded, are carryover funds available?	Yes	No	
Year(s) and amounts budgeted and expended	Year		Account Code

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

New and upgraded signals require less operating / maintenance costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** 20 Years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project with Wheelage Tax funds in 2018 and 2019.



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANKING **NR**

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	<b>Yes</b>	<b>No</b>
<b>Code #:</b> <u>Public Works - 550000</u>	<b>Item:</b> <u>Drainage Systems &amp; Structures</u>	Or ROUTINE (Maintenance)	<u>   </u>	<u>   </u>
			<u>  X  </u>	<u>   </u>

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<b>Account:</b> 441201 <u>   </u> 441212 <u>   </u>	<b>Dept Priority</b>	<b>CM Ranking</b>	<b>CIPAC Ranking</b>
441202 <u>   </u> OTHER	<b>Number:</b> <u>   5   </u>	<u>Not Ranked</u>	<u>Not Ranked</u>

**PROJECT DESCRIPTION:**

Regular and major maintenance and/or replacement of drainage structures and systems including a variety of water quality facilities.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify): Wheelage Tax	\$ 3,500,000	600,000	500,000	600,000	600,000	600,000	600,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 3,500,000</b>	<b>\$ 600,000</b>	<b>\$ 500,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>

**Who Prepared Cost Estimate:** Public Works Engineering Staff

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

Ramsey County Public Works has an estimated 9,000 to 10,000 drainage structures and systems which collect and treat stormwater runoff. The department's current goals focus on performing preventative and corrective maintenance of approximately 350 catch basins and 25 outfalls annually. Beginning in 2018, the department proposes to expand its program in scope and expenditures and tie those efforts directly to an Asset Management system which will inventory and assess condition and function of both structure elements and water quality treatment facilities. The importance of water quality, as evidenced by more stringent federal, state and local permit requirements, emphasizes the need to develop proactive timely maintenance to help ensure effective function over designed service life.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>  X  </u>	<u>   </u>	7. Provide Public Service	<u>  X  </u>	<u>   </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>  X  </u>	<u>   </u>	8. Provide Public Convenience	<u>  X  </u>	<u>   </u>
5. Reduce Operating Costs	<u>  X  </u>	<u>   </u>	9. Enhance County Image	<u>  X  </u>	<u>   </u>
6. Protect Property	<u>  X  </u>	<u>   </u>			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** Drainage Systems & Structures

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Lack of proper maintenance results in damage to roadway elements and creates potential public safety issues, increased maintenance or replacement costs of drainage structures and related elements, and inadequate treatment of stormwater runoff prior to discharge to natural resources, and non-compliance with applicable federal, state and local permit requirements.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?	Yes <u>X</u>	No	When? <u>2005, 2014</u>
If project was funded, are carryover funds available?	Yes	No <u>x</u>	
Year(s) and amounts budgeted and expended	Year(s) _____		Account Code _____

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Initial expenditures will be greater than previous years but will result in lower long term investment and maintenance costs by optimizing service life of stormwater assets.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** 20 Years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project with Wheelage Tax funds in 2018 and 2019.



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2022)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANKING **NR**

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	<b>Yes</b>	<b>No</b>
<b>Code #:</b> <u>Public Works - 550000</u>	<b>Item:</b> <u>Comprehensive Bridge Maintenance</u>	Or ROUTINE (Maintenance)	<u>    </u>	<u>    </u>
<b>Account:</b> 441201 <u>    </u> 441212 <u>    </u>	<b>Dept Priority</b>			
441202 <u>    </u> OTHER <u>443201</u>	<b>Number:</b> <u>6</u>			
		CM Ranking <u>Not Ranked</u>	CIPAC Ranking <u>Not Ranked</u>	

**PROJECT DESCRIPTION:**

This work involves extraordinary maintenance of County bridges located both within the City of St Paul and surrounding suburbs. The worked is based upon the annual bridge inspection conducted by the City of St Paul Public Works Bridge Division and the Ramsey County Public Works Engineering Division.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify): Wheelage Tax	\$ 3,500,000	600,000	500,000	600,000	600,000	600,000	600,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 3,500,000</b>	<b>\$ 600,000</b>	<b>\$ 500,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>

**Who Prepared Cost Estimate:** Public Works Engineering Staff

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

The St Paul Public Works Department is responsible for the routine maintenance of County bridges within the City as part of the City/County Joint Powers Agreement for the maintenance of County roads within St. Paul. The Ramsey County Public Works Department maintains the suburban County bridges. The annual maintenance payment to the city, however, does not cover extraordinary repairs including replacement of bridge load bearings, shotcrete repairs to decks, tuck point masonry joints, and replacement of rip-rap. Removal of graffiti is handled on a case by case basis and funded separately.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	<u>    </u>	7. Provide Public Service	<u>X</u>	<u>    </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	<u>    </u>	8. Provide Public Convenience	<u>X</u>	<u>    </u>
5. Reduce Operating Costs	<u>X</u>	<u>    </u>	9. Enhance County Image	<u>X</u>	<u>    </u>
6. Protect Property	<u>X</u>	<u>    </u>			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2022)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** Comprehensive Bridge Maintenance

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

County bridges will deteriorate at an accelerated rate, eventually requiring more expensive repairs and possible closures. Closing bridges would disrupt traffic patterns and have an adverse impact on the County's economic activity.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?	Yes <u>X</u>	No <u>    </u>	When? <u>Annually since 1998.</u>
If project was funded, are carryover funds available?	Yes <u>    </u>	No <u>X</u>	
Year(s) and amounts budgeted and expended	Year(s) \$50,000 annually		Account Code 550480 443201 P033014

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Performing repairs to bridges now will reduce future costs for maintenance or bridge replacement.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** 5 to 15 years

**Estimated Payback Period:** 3 to 15 years (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project with Wheelage Tax funds in 2018 and 2019.



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANKING **NR**

<b>Department Name &amp; Code #:</b> <u>Public Works - 550000</u>	<b>Project Title or Item:</b> <u>Pedestrian &amp; Bike Facilities</u>	NON-ROUTINE (New/Renovation) Or ROUTINE (Maintenance)	<u>    </u>	<u>    </u>
<b>Account:</b> 441201____ 441212____ 441202____ OTHER <u>443201</u>	<b>Dept Priority Number:</b> <u>    7    </u>		<b>Yes</b>	<b>No</b>
			<u>    </u>	<u>    </u>
			<u>  X  </u>	<u>    </u>
		CM Ranking	<u>Not Ranked</u>	CIPAC Ranking <u>Not Ranked</u>

**PROJECT DESCRIPTION:**

Construction and/or enhancement to sidewalks and trails within the County highway system.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify): Wheelage Tax	\$ 4,700,000	800,000	700,000	800,000	800,000	800,000	800,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 4,700,000</b>	<b>\$ 800,000</b>	<b>\$ 700,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>

**Who Prepared Cost Estimate:** Public Works Engineering Staff

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

In order to provide safe and efficient accomodations for all modes of travel, the Public Works Department proposes allocating \$500,000 annually toward construction and/or enhancements to sidewalks and path/trail features within the County Highway system. It is intended that these projects be developed in cooperation wth municipal partners in response to need and benefit. Improvements constructed under this initiative could include stand-alone projects as well as features within major maintenance and road/bridge projects.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>  X  </u>	<u>    </u>	7. Provide Public Service	<u>  X  </u>	<u>    </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>  X  </u>	<u>    </u>	8. Provide Public Convenience	<u>  X  </u>	<u>    </u>
5. Reduce Operating Costs	<u>  X  </u>	<u>    </u>	9. Enhance County Image	<u>  X  </u>	<u>    </u>
6. Protect Property	<u>  X  </u>	<u>    </u>			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** Pedestrian & Bike Facilities

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Non motorized forms of transportation would remain underserved, and in some locations impede safe, reliable mobility for those opting to walk and/or bike.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?	Yes___	No X	When?
If project was funded, are carryover funds available?	Yes___	No___	
Year(s) and amounts budgeted and expended	Year(s)		Account Code

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Operating costs related to life cycle maintenance/restoration requirements are similar in context to road resurfacing. The conservative estimated service life of this type of feature is 20-40 years.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** 20-40 years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project with Wheelage Tax funds in 2018 and 2019.



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANKING **NR**

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	<b>Yes</b>	<b>No</b>
<b>Code #:</b> <u>Public Works - 550000</u>	<b>Item:</b> <u>ADA Compliance</u>	Or ROUTINE (Maintenance)	<u>    </u>	<u>    </u>
			<u>  X  </u>	<u>    </u>

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<b>Account:</b> 441201 <u>    </u> 441212 <u>    </u>	<b>Dept Priority</b>	<b>CM Ranking</b>	<b>CIPAC Ranking</b>
441202 <u>    </u> OTHER <u>443201</u>	<b>Number:</b> <u>    8    </u>	<u>Not Ranked</u>	<u>Not Ranked</u>

**PROJECT DESCRIPTION:**

Construction of and improvements to, pedestrian features such as curb ramps and audible pedestrian signals.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify): Wheelage Tax	\$ 3,500,000	600,000	500,000	600,000	600,000	600,000	600,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 3,500,000</b>	<b>\$ 600,000</b>	<b>\$ 500,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>	<b>\$ 600,000</b>

**Who Prepared Cost Estimate:** Public Works Engineering Staff

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

Federal policy mandates transportation projects and related systems be systematically improved and maintained to become compliant with the Americans with Disabilities Act (ADA). Work completed with respect to ADA standards include such features as curb ramps, Audible Pedestrian Systems (APS), and other pedestrian enhancements. Dedicating a portion of Wheelage Tax proceeds to construction of, and improvements to, pedestrian features and enhancements provides for a long term planful program to bring existing transportation systems into ADA compliance. This initiative is also consistent with Metropolitan Council policies and the County's equity goals.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>  X  </u>	<u>    </u>	7. Provide Public Service	<u>  X  </u>	<u>    </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>  X  </u>	<u>    </u>	8. Provide Public Convenience	<u>  X  </u>	<u>    </u>
5. Reduce Operating Costs	<u>  X  </u>	<u>    </u>	9. Enhance County Image	<u>  X  </u>	<u>    </u>
6. Protect Property	<u>  X  </u>	<u>    </u>			





**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** ADA Compliance

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Transportation features that are not compliant with ADA standards can significantly underserve people with disabilities or special needs. Underserving this sector of the public can undermine access to and within the community, and in some cases pose additional safety risks.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?	Yes___	No X	When?
If project was funded, are carryover funds available?	Yes___	No___	
Year(s) and amounts budgeted and expended	Year(s)		Account Code

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Operating costs related to life cycle maintenance/restoration requirements are similar in context to road resurfacing and signal upgrades. The conservative estimated service life of this type of feature is 20-40 years.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** 20-40 years

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project with Wheelage Tax funds in 2018 and 2019.



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING** **NR**  
Yes No

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
<b>Code #:</b> Public Works - 550000	<b>Item:</b> Roadway Appurtenances	Or ROUTINE (Maintenance)	<u>X</u>	<u>    </u>
<b>Account:</b> 441201____ 441212____	<b>Dept Priority</b>	CM Ranking	<b>Not Ranked</b>	CIPAC Ranking
441202____ OTHER 443201	<b>Number:</b> <u>    9    </u>			<b>Not Ranked</b>

**PROJECT DESCRIPTION:**

Replacement of and/or upgrades to various roadway appurtenances such as guardrail, retaining walls, railroad crossings and landscape elements.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify): Wheelage Tax	\$ 4,100,000	700,000	600,000	700,000	700,000	700,000	700,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 4,100,000</b>	<b>\$ 700,000</b>	<b>\$ 600,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>

**Who Prepared Cost Estimate:** Public Works Engineering Staff

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

The Ramsey County Highway System includes a number of features relating to safety and operations. Many of these features are very old and in poor condition or no longer meet modern design criteria. Guardrails are an effective means to reduce the likelihood of serious injuries to the traveling public. Within the 15 mile system of guardrails, an estimated 21,000 feet do not meet current height guidelines and approximately 170 end treatments do not comply with current standards. Similar deficiencies are apparent in many retaining walls that are at or nearing the end of reasonable service life, warranting comprehensive assessment to determine appropriate stabilization or proactive replacement. The scope of stabilization/replacements varies from modular block and timber to structural cast in place systems. The County road system includes approximately 40 railroad crossings of various ages and design. Many are old and well beyond reasonable service life expectations creating maintenance and operations issues that could be resolved with appropriate upgrades to full concrete pad systems. Signals and gate controls may also be warranted if and when crossing areas can be addressed. Many other roadway features / appurtenances are deteriorating or are already in poor service condition.

EVALUATION CRITERIA:	Yes	No	Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	<u>    </u>	<u>X</u>	<u>    </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	<u>    </u>	<u>X</u>	<u>    </u>
5. Reduce Operating Costs	<u>X</u>	<u>    </u>	<u>X</u>	<u>    </u>
6. Protect Property	<u>X</u>	<u>    </u>	<u>X</u>	<u>    </u>



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** Roadway Appurtenances

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Some roadway appurtenances may simply add to operations and maintenance costs if not proactively upgraded or replaced. Guardrail, structural walls, railroad tracks and similar elements influence safety, lower maintenance costs and prevent property damages.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?	Yes	No <u>X</u>	When?
If project was funded, are carryover funds available?	Yes	No	
Year(s) and amounts budgeted and expended	Year(s)		Account Code

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Timely, well planned upgrades and replacements of roadway appurtenances will lower operations and maintenance costs. Considered on a life cycle basis, proactive management of these assets results in lower total ownership/service costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:** \_\_\_\_\_

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project with Wheelage Tax funds in 2018 and 2019.



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANKING **NR**

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation Or ROUTINE (Maintenance)	<b>Yes</b>	<b>No</b>
<b>Code #:</b> <u>Public Works - 550000</u>	<b>Item:</b> <u>New Equipment - Rd Mtce &amp; Eng</u>		<u>  </u>	<u>  </u>
<b>Account:</b> 441201 <u>  X  </u> 441212	<b>Dept Priority</b>			
441202 <u>  </u> OTHER <u>  </u>	<b>Number:</b> <u>  10  </u>	<b>CM Ranking</b> <u>  Not Ranked  </u>	<b>CIPAC Ranking</b> <u>  Not Ranked  </u>	

**PROJECT DESCRIPTION:**

Acquisition of new equipment that allows the Public Works Department to meet the requirements of expanded road maintenance and construction programs. This level of funding represents a portion of state funding for road maintenance and construction.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ 480,000	80,000	80,000	80,000	80,000	80,000	80,000
Other (Specify):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals (Project/Item Funding)</b>	<b>\$ 480,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>

**Who Prepared Cost Estimate:** Public Works

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

Setting aside a portion of State Aid funds for new equipment acquisition allows the County to meet expanded demands for maintenance and construction by taking advantage of new technologies.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>  X  </u>	<u>  </u>	7. Provide Public Service	<u>  X  </u>	<u>  </u>
3 & 4. Replace Facility or Maintain Physical Property	<u>  X  </u>	<u>  </u>	8. Provide Public Convenience	<u>  X  </u>	<u>  </u>
5. Reduce Operating Costs	<u>  X  </u>	<u>  </u>	9. Enhance County Image	<u>  X  </u>	<u>  </u>
6. Protect Property	<u>  X  </u>	<u>  </u>			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name & Code**

#: Public Works - 550000

**Project Title or Item:** New Equipment - Rd Mtce & Eng

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Not acquiring needed new equipment increases the Public Works Department reliance on older equipment/technologies resulting in less efficient operations.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes x                      No                           When?                      Annually  
 If project was funded, are carryover funds available?      Yes                           No x  
 Year(s) and amounts budgeted and expended      Year(s)                           Account Code     

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Increased costs of providing road maintenance and construction services due to less efficient equipment.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

**Estimated Useful Life:**      10 to 15 years

**Estimated Payback Period:**      5 to 7 years      (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC did not rank this project, as no bond funding was requested in 2018 or 2019.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project with available State funding of \$80,000 in 2018 and \$80,000 in 2019.

# Department Summary

Jack Serier, Sheriff

425 Grove Street, Saint Paul



Sheriff's Office

## VISION

**A vibrant community where all are valued and thrive.**

## MISSION

**A county of excellence working with you to enhance our quality of life.**

## DEPARTMENT OVERVIEW

Minnesota State Statute requires every county to have an office of the sheriff. Hundreds of state statutes mandate the duties the sheriff must perform. The most notable statute reads, "the sheriff shall keep and preserve the peace of the county" (§ 387.03).

The Ramsey County Sheriff's Office is Minnesota's first law enforcement agency, established in 1849 when Minnesota was only a territory. The Sheriff's Office has over 400 members and provides a wide-ranging variety of law enforcement and public safety services to an urban community of more than 525,000 residents, situated in a metropolitan area of 3.2 million people.

The mission of the Sheriff's Office is to provide law enforcement and public service in accordance with our constitutional and statutory mandates with a commitment to leadership in public safety, through professionalism and partnership with other agencies.

The Sheriff's Office values:

- Providing safety through community policing
- Preserving trust through fiscal responsibility
- Collaborating with public safety, community, and justice partners
- Encouraging diversity to reflect the community
- Improving service through technology
- Connecting with youth to build for the future

The Sheriff's Office hires for, promotes, and reinforces the following character traits:

- Honor
- Truth
- Responsibility
- Respect

# Department Summary

Jack Serier, Sheriff

425 Grove Street, Saint Paul



Sheriff's Office

## PROGRAMS / SERVICES

The Sheriff's Office is organized into five service divisions:

- **Administration Division** – responsible for budget and accounting; human resources and payroll; training and staff development; professional standards; policy; internal affairs; fleet management; information technology, including research and development; and, planning, analysis, and procurement.
- **Court and Security Services Division** – responsible for warrants; criminal histories; gun permits; court security; human service security; civil process (orders for protection, foreclosure notices and sales, civil and criminal subpoenas, dissolutions of marriage, and evictions); and, emergency management and homeland security.
- **Detention Services Division** – responsible for safely and securely housing pre-trial inmates and probation or supervised release (parole) violators in the Adult Detention Center (Ramsey County Jail); transportation of prisoners; and, hospital detention security.
- **Public Safety Services Division** – responsible for contract law enforcement (patrol and investigations) services to seven communities; canine (K-9) operations and training; crime scene processing; electronic crimes investigations; records and property; school resource officers; traffic enforcement; crime prevention; water patrol; dive team; and, volunteer programs and internships, including reserve deputies and community support services.
- **Regional Services Division** – responsible for law enforcement and public safety services that involve multiple agencies, joint investigations, and regional partners that have a county-wide impact; watch commander operations; contract negotiations and labor and union relations; and, special projects and programs.

# Department Summary

Jack Serier, Sheriff

425 Grove Street, Saint Paul



Sheriff's Office

## **GOALS & STRATEGIES**

### **Strengthen individual, family and community health, safety and well-being.**

- Create a safe, secure, and humane environment for detainees and staff, and promote public safety together with other agencies
- Promote public safety through awareness, enforcement, and education
- Deliver specialized law enforcement capabilities within the Sheriff's Office and support other agencies throughout the region with those capabilities
- Coordinate all functions of the Sheriff's Office and support operations by providing resources, direction, policy, and leadership
- Protect and serve both the public and the judiciary system with skill and integrity, to ensure a safe and just community

### **Cultivate economic prosperity and invest in neighborhoods with concentrated financial poverty.**

- Deliver specialized law enforcement capabilities within the Sheriff's Office and support other agencies throughout the region with those capabilities
- Coordinate all functions of the Sheriff's Office and support operations by providing resources, direction, policy, and leadership

### **Enhance access to opportunity and mobility for all residents and businesses.**

- Protect and serve both the public and the judiciary system with skill and integrity, to ensure a safe and just community
- Create a safe, secure, and humane environment for detainees and staff, and promote public safety together with other agencies

### **Model forward-thinking investment, fiscal accountability and transparency.**

- Create a safe, secure, and humane environment for detainees and staff, and promote public safety together with other agencies
- Protect and serve both the public and the judiciary system with skill and integrity, to ensure a safe and just community
- Promote public safety through awareness, enforcement, and education



# Department Summary

Jack Serier, Sheriff

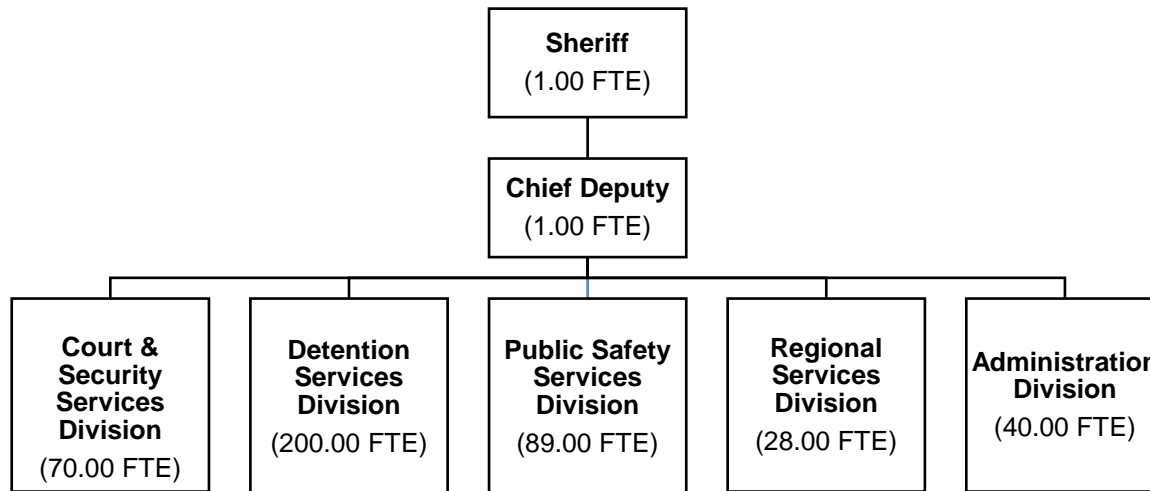
425 Grove Street, Saint Paul



Sheriff's Office

## 2017 ORGANIZATION CHART

<u>Personnel - FTE</u>	
2016 Budget	- 395.00
2017 Budget	- 429.00
2018 Proposed	- 429.00
2019 Proposed	- 429.00



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

Dept Name & Code # Sheriff's Office

FUNDING SOURCE	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 1,845,000	\$ 420,000	\$ 1,425,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	-	-	-	-	-	-	-
State Funds	-	-	-	-	-	-	-
Other (Specify)	-	-	-	-	-	-	-
<b>TOTALS (Must agree with Summary by Project)</b>	<b>\$ 1,845,000</b>	<b>\$ 420,000</b>	<b>\$ 1,425,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

Dept Name & Code # Sheriff's Office (480000)

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
1	Safety & Training Enhance.-Adult Detention	\$ 960,000	\$ 160,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -
2	Safety & Training Enhance.-Firearms Range	885,000	260,000	625,000	-	-	-	-
<b>TOTALS (Last Page Only)</b>		<b>\$ 1,845,000</b>	<b>\$ 420,000</b>	<b>\$ 1,425,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING 2**

<b>Department Name &amp;</b> <u>Sheriff's Office</u>	<b>Project Title or</b>	<b>NON-ROUTINE</b> (New/Renovation)	<b>Yes</b>	<b>No</b>
<b>Code #:</b> <u>480000</u>	<b>Item:</b> <u>Safety &amp; Security Enhancements, Adult Detention Center</u>	<b>Or ROUTINE</b> (Maintenance)	<u>X</u>	___
<b>Account:</b> 441201___ 441212___	<b>Dept Priority</b>			
441202___ OTHER_____	<b>Number:</b> <u>1</u>	<b>CM Ranking</b> <u>3</u>	<b>CIPAC Ranking</b> <u>2</u>	

**PROJECT DESCRIPTION:**

This request is to provide additional safety and security enhancements to the Adult Detention Center (county jail) in response to increasing needs to house individuals with mental health and medical conditions. This request will fund outfitting two pods in the detention center with security glass and controlled access doors as well as adding security mesh to the upper level of two other pods.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING				
		2018	2019	2020	2021	2022
County Funds	\$ 960,000	\$ 160,000	\$ 800,000	\$ -	\$ -	\$ -
Federal Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
State Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other (Specify):	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals (Project/Item Funding)</b>	<b>\$ 960,000</b>	<b>\$ 160,000</b>	<b>\$ 800,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Wold Architects and Engineers

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

In recent years, the county has experienced an increase in the number of individuals arrested and brought to jail with mental health and medical conditions. To protect vulnerable and increasingly complicated populations, the county must make special housing accommodations. When the jail was built in 2002, it was designed primarily as a direct supervision facility. Each of the ten pods have two stories, with the second story open to below. The direct supervision model does not provide the physical plant necessary to safely house the multiple classifications of today's vulnerable inmates. It also limits an inmate's recreational time as required by the state and reduces the number individuals that can be safely housed in county custody.

EVALUATION CRITERIA:	Yes	No	Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	<u>X</u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>
6. Protect Property	<u>X</u>	___		

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &** Sheriff's Office

**Project Title or**

**Code #:** 480000

**Item:** Safety & Security Enhancements, Adult Detention Center

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

If not funded, the county jail would continue to struggle with safely housing inmates with mental health and medical conditions. This puts vulnerable populations at risk and increases the county's risk and liability of litigation (lawsuits).

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously? Yes\_\_\_ No\_ X When? N/A  
If project was funded, are carryover funds available? Yes\_\_\_ No\_ X  
Year(s) and amounts budgeted and expended Year(s) \_\_\_\_\_ N/A Budgeted/Expended N/A

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

There will be no impact to future operating costs. The requested safety and security enhancements will mirror best practices for detention centers by today's standards

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

There will be no impact to future revenues.

**Estimated Useful Life:** 15

**Estimated Payback Period:** 7 (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends financing this project in 2018 and 2019 with bonds.

**COUNTY MANAGER COMMENTS:**

County Manager recommends financing this project using bond proceeds of \$160,000 in 2018 and \$800,000 in 2019.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANKING 14**

<b>Department Name &amp;</b> <u>Sheriff's Office</u>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	<b>Yes</b>	<b>No</b>
<b>Code #:</b> <u>480000</u>	<b>Item:</b> <u>Safety &amp; Training Enhancements, Firearms Range</u>	Or ROUTINE (Maintenance)	<u>X</u>	___
<b>Account:</b> 441201___ 441212___	<b>Dept Priority</b>			
441202___ OTHER_____	<b>Number:</b> <u>2</u>	<b>CM Ranking</b> <u>16</u>	<b>CIPAC Ranking</b> <u>13</u>	

**PROJECT DESCRIPTION:**

This request is to provide safety and training enhancements to the Firearms Range to comply with Occupational Safety and Health Administration (OSHA) requirements and best practices. This request will fund replacement of the heating and ventilation system, sound abatement system, and targeting system.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 885,000	\$ 260,000	\$ 625,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 885,000</b>	<b>\$ 260,000</b>	<b>\$ 625,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**Who Prepared Cost Estimate:** Wold Architects and Engineers

**Date of Estimate:** Jan-17

**NARRATIVE JUSTIFICATION:**

The Firearms Range was built in 2003 with 10 trainee lanes. The current systems (ventilation, sound abatement, and targeting) are approaching 14 years old and are in need of replacement over the next two years. The ventilation system, which is now very loud, is at risk of total failure. The sound abatement system has aged and does not reduce noise as required. The target system was designed to be used in lanes, which no longer conforms to current training standards. This funding will provide for employee safety during training and ensure OSHA requirements for air, sound, and safety are met.

**EVALUATION CRITERIA:**

	<b>Yes</b>	<b>No</b>		<b>Yes</b>	<b>No</b>
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___	7. Provide Public Service	___	<u>X</u>
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**Department Name &** Sheriff's Office

**Project Title or**

**Code #:** 480000

**Item:** Safety & Training Enhancements, Firearms Range

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

If not funded, the county could be found in violation of OSHA safety standards.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes\_\_\_      No\_ X      When? N/A  
If project was funded, are carryover funds available?      Yes\_\_\_      No\_ X  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_ N/A      Account Code N/A

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

A replacement ventilation system may reduce operating costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

There will be no impact to future revenues.

**Estimated Useful Life:**      20

**Estimated Payback Period:**      10      (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

CIPAC recommends further analysis on the amount of funding to be provided from user fees and outside revenue sources.

**COUNTY MANAGER COMMENTS:**

County Manager does not recommend funding this project in 2018 or 2019 until a workshop and policy discussion occurs regarding user fees and outside revenue sources.

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

**Dept Name & Code #**    Property Management Building Improvements

<b>FUNDING SOURCE</b>	<b>Total All Years</b>	<b>ESTIMATED FUNDING</b>					
		<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Public Works/Partners/Patrol Station - Rental Revenue	2,285,028	380,838	380,838	380,838	380,838	380,838	380,838
Public Works/Partners/Patrol Station - Fund Balance	2,639,972	(85,838)	48,162	(43,838)	(222,838)	2,649,162	295,162
Ramsey County Libraries - Rental Revenue	1,483,476	247,246	247,246	247,246	247,246	247,246	247,246
Ramsey County Libraries - Fund Balance	(594,476)	27,754	(78,246)	(62,246)	(107,246)	(187,246)	(187,246)
City Hall / Courthouse - Rental Revenue	2,974,326	495,721	495,721	495,721	495,721	495,721	495,721
City Hall / Courthouse - Fund Balance	607,674	183,279	315,279	152,279	(11,721)	424,279	(455,721)
General Building Fund - Rental Revenue	13,984,902	2,330,817	2,330,817	2,330,817	2,330,817	2,330,817	2,330,817
General Building Fund - Fund Balance	1,265,098	1,455,983	908,983	867,583	(589,717)	(814,017)	(563,717)
<b>TOTALS</b>	<b>24,646,000</b>	<b>5,035,800</b>	<b>4,648,800</b>	<b>4,368,400</b>	<b>2,523,100</b>	<b>5,526,800</b>	<b>2,543,100</b>
Unfunded Projects	-	-	-	-	-	-	-
<b>TOTAL COSTS (equals Summary by Project)</b>	<b>24,646,000</b>	<b>5,035,800</b>	<b>4,648,800</b>	<b>4,368,400</b>	<b>2,523,100</b>	<b>5,526,800</b>	<b>2,543,100</b>



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

**Dept Name & Code #** Property Management Building Improvements

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
	Public Works/Partners/Patrol Station	4,925,000	295,000	429,000	337,000	158,000	3,030,000	676,000
	Ramsey County Libraries	889,000	275,000	169,000	185,000	140,000	60,000	60,000
	City Hall / Courthouse	3,582,000	679,000	811,000	648,000	484,000	920,000	40,000
	General Building Fund	15,250,000	3,786,800	3,239,800	3,198,400	1,741,100	1,516,800	1,767,100
<b>TOTALS (Last Page Only)</b>		<b>24,646,000</b>	<b>5,035,800</b>	<b>4,648,800</b>	<b>4,368,400</b>	<b>2,523,100</b>	<b>5,526,800</b>	<b>2,543,100</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only) \_\_\_\_\_

COMBINED RANK \_\_\_\_\_

Department Name & Property Management \_\_\_\_\_

Project Title or \_\_\_\_\_

NON-ROUTINE  
(New/Renovation) \_\_\_\_\_

Yes

No

Code #: Public Works/Partners/Patrol Station \_\_\_\_\_

Item: Building Improvements \_\_\_\_\_

Or ROUTINE  
(Maintenance) X \_\_\_\_\_

Account: 441201 \_\_\_\_\_ 441212 \_\_\_\_\_  
441202 \_\_\_\_\_ OTHER 442201 \_\_\_\_\_

Dept Priority  
Number: \_\_\_\_\_

CM Rating \_\_\_\_\_

CIPAC Rating \_\_\_\_\_

**PROJECT DESCRIPTION:**

Capital repairs and/or replacements are funded through the operating budget by allocating funds into a capital replacement account. Building improvement projects funded from this account extend the useful life or improve the efficiency of the building.

FUNDING SOURCE:	Total All Years	ESTIMATED COST					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -						
Federal Funds	\$ -						
State Funds	\$ -						
Other (Specify): Rental Revenue & Fund Balance	\$ 4,925,000	\$ 295,000	\$ 429,000	\$ 337,000	\$ 158,000	\$ 3,030,000	\$ 676,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 4,925,000</b>	<b>\$ 295,000</b>	<b>\$ 429,000</b>	<b>\$ 337,000</b>	<b>\$ 158,000</b>	<b>\$ 3,030,000</b>	<b>\$ 676,000</b>

Who Prepared Cost Estimate: Property Management \_\_\_\_\_

Date of Estimate: 1/24/2017 \_\_\_\_\_

**NARRATIVE JUSTIFICATION:**

Prior to the building improvements account being established, funds for capital expenditures were financed through the operating budget and the capital improvement bond proceeds. The Ramsey County Public Works/Patrol Station building is operated as an Internal Service Fund, which is used to account for the financing, on a cost-reimbursement basis of goods and services. To alleviate the demand for scarce capital improvement bond and levy dollars and to account for total cost of operating the building, Property Management will continue to prepare a six-year capital improvement plan. These projects will be funded through rental revenue, based on \$1.50 per rentable square foot and fund balance. Accumulating funds annually enables Property Management to schedule improvements over time. Proactive measurements will increase the life of the building.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____	7. Provide Public Service	<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____	8. Provide Public Convenience	<u>X</u>	_____
5. Reduce Operating Costs	<u>X</u>	_____	9. Enhance County Image	<u>X</u>	_____
6. Protect Property	<u>X</u>	_____			

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

**Department Name & Code**

#: Public Works/Partners/Patrol Station

**Project Title or**

**Item:** Building Improvements

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Failure to carry out this project could result in the inability to complete necessary building improvements in a timely manner. Potentially, this may have a negative impact on evaluation criteria 1, 2, and 4-9. Also, failure to fund these projects would reduce the useful life of the building.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_      When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes X      No \_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code 22109-350901-442201  
Funding for this project began in 2005. This project allows for the carry-over of funds

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

This project enables Property Management to deter increasing operating costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

This project enables Property Management to stabilize rental rates over a fixed period of time.

**Estimated Useful Life:**      Depends on specific building improvement project completed. The program will increase the overall useful life in a cost-effective manner.

**Estimated Payback Period:**      Depends on specific building improvement projects completed.

(Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

**COUNTY MANAGER COMMENTS:**

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
Public Works/Partners	Salt shed roof membrane/steel cables (added 135,000)	7.00	5.00	100,000	-	-	-	-	-	100,000
Public Works/Partners	* Pumps and VFDs (moved to 2018)	23.00	10.00	55,000	-	-	35,000	-	-	90,000
Public Works/Partners	Cleaning equipment (moved 35,000 to 2018)	New		35,000	-	-	-	-	-	35,000
Public Works/Partners	Garage floor sealer (small vehicle parking)	9.00	4.00	30,000	-	-	-	-	-	30,000
Public Works/Partners	Saniglaze hallways (moved to 2018)	9.00	5.00	22,000	-	-	-	-	-	22,000
Public Works/Partners	* Exterior gas piping	New		16,000	-	-	-	-	-	16,000
Public Works/Partners	Hot high pressure washer (west hotsey, added 5,000 moved to 2018)	11.00	2.00	15,000	-	-	-	-	-	15,000
Public Works/Partners	Ice machine (new)	11.00	10.00	10,000	-	-	-	-	-	10,000
Sheriff Patrol Station	Fire Sprinkler System, dry valve rebuild and pipe inspection every five years (reduced 4,000)	21.00	3.00	4,000	-	-	-	-	4,500	8,500
Public Works/Partners	Fire Sprinkler System, dry valve rebuild and pipe inspection (every five years)	New		4,000	-	-	-	-	4,500	8,500
Public Works/Partners	Dock leveler/wind screen	New		4,000	-	-	-	-	-	4,000
Public Works/Partners	Overhead garage doors A, 30 worst	8.00	5.00	-	100,000	100,000	-	-	-	200,000
Public Works/Partners	* Building /garage Exhaust	23.00	7.00	-	65,000	-	-	-	-	65,000
Sheriff Patrol Station	Overhead doors (added 5,000 for rollup door)	8.00	4.00	-	40,000	-	-	-	-	40,000
Public Works/Partners	Back parking lot partial (repair added 20,000)	32.00	2.00	-	40,000	-	-	-	-	40,000
Public Works/Partners	Curb and gutter, catch basins, storm water piping	3.00	3.00	-	30,000	-	-	-	-	30,000
Public Works/Partners	* Lighting & controls (should repurpose these funds for LED's and BAS)	26.00	2.4	-	26,000	56,000	-	-	-	82,000
Sheriff Patrol Station	Exterior doors and hardware (added 46,000 over two years)	8.00	1.00	-	25,000	25,000	-	-	-	50,000
Public Works/Partners	Front parking lot, shared w/Patrol (added 9,000)	32.00	1.00	-	25,000	-	-	-	-	25,000
Public Works/Partners	Vehicle exhaust units (reduced 5,000)	New		-	20,000	-	-	-	-	20,000
Public Works/Partners	Operable Partition, Marsden Conference room (moved to 2019)	New		-	20,000	-	-	-	-	20,000
Public Works/Partners	* Water heater (added 16,000 four heaters need replacement)	22.00	1.00	-	20,000	-	-	-	-	20,000
Public Works/Partners	Landscaping (new)	32.00	11.00	-	10,000	-	10,000	-	10,000	30,000
Sheriff Patrol Station	Patrol public parking lot	32.00	1.00	-	8,000	-	-	-	-	8,000
Public Works/Partners	* Garage main air compressors/air dryer	11.00	8.00	-	-	50,000	-	-	-	50,000
Public Works/Partners	Carpet (added 35,000 to 2020)	9.00	1.00	-	-	35,000	-	-	-	35,000
Public Works/Partners	Electrical Service (Dist panels, Xfer switch, surge suppressors)	New		-	-	20,000	-	-	-	20,000
Public Works/Partners	Paint throughout (added 20,000 to 2020)	9.00	8.00	-	-	20,000	-	-	-	20,000
Public Works/Partners	Loading dock leveler equipment	New		-	-	15,000	-	-	-	15,000
Public Works/Partners	Building caulking	4.00	2.00	-	-	8,000	-	-	-	8,000
Public Works/Partners	HHW pad and collections area	New		-	-	8,000	-	-	-	8,000
Public Works/Partners	* Garage Infrared heaters (added 38,000 over two years)	23.00	3.00	-	-	-	25,000	25,000	-	50,000
Public Works/Partners	Gate operators	New		-	-	-	20,000	-	-	20,000
Sheriff Patrol Station	* Property room dedicated RTU unit	23.00	4.00	-	-	-	16,000	-	-	16,000

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
Public Works/Partners	* Stockroom dedicated RTU replace (new)	New		-	-	-	16,000	-	-	16,000
Public Works/Partners	* K-9 Building RTU replace (new)	New		-	-	-	16,000	-	-	16,000
Sheriff Patrol Station	Dry system air compressor	21.00	3.00	-	-	-	8,000	-	-	8,000
Public Works/Partners	* Comm. room split system	23.00	6.00	-	-	-	8,000	-	-	8,000
Public Works/Partners	Dry system air compressor (reduced 4,000)	21.00	3.00	-	-	-	4,000	-	-	4,000
Public Works/Partners	Roof service (added 1,775,000 entire roof moved to 2022)	7.00	1,2,3	-	-	-	-	2,900,000	-	2,900,000
Public Works/Partners	Replace Overhead doors - b	8.00	6.00	-	-	-	-	95,000	-	95,000
Public Works/Partners	Lobby: security gates; permits roll up (moved to 2022)	New		-	-	-	-	10,000	-	10,000
Public Works/Partners	* RTU's 1,2 and 4 rebuild/replace (new)	23.00	1.00	-	-	-	-	-	150,000	150,000
Public Works/Partners	* MUA Units repair/replace five each (new)	New		-	-	-	-	-	125,000	125,000
Public Works/Partners	* Exhaust fans repair/replace (new)	New		-	-	-	-	-	120,000	120,000
Public Works/Partners	* Skylights (moved to 2023)	8.00	3.00	-	-	-	-	-	94,000	94,000
Public Works/Partners	Ceiling tile replacement (moved to 2023)	New		-	-	-	-	-	32,000	32,000
Sheriff Patrol Station	Caulking of exterior panels - pre-cast panels, openings (moved to 2023 for re-caulking)	New		-	-	-	-	-	28,000	28,000
Sheriff Patrol Station	Replace lockers - men's and women's	10.00	1.00	-	-	-	-	-	16,000	16,000
Public Works/Partners	10 Fire Hydrants (?? Moved to 2023)	33.00	4.00	-	-	-	-	-	15,000	15,000
Public Works/Partners	Equipment screens on roof (moved to 2023)	5.00	2.00	-	-	-	-	-	15,000	15,000
Sheriff Patrol Station	Faucets and flush valves (pushed out to 2023)	22.00	4.00	-	-	-	-	-	15,000	15,000
Public Works/Partners	Arch. Wood: lobby, 576 (moved to 2023)	New		-	-	-	-	-	15,000	15,000
Public Works/Partners	Exterior building signage(moved to 2023)	10.00	3.00	-	-	-	-	-	12,000	12,000
Sheriff Patrol Station	Patrol Building signage (moved to 2023)	New		-	-	-	-	-	12,000	12,000
Public Works/Partners	* Wash bay high pressure piping/hoses (moved to 2023)	New		-	-	-	-	-	8,000	8,000
<b>TOTAL PUBLIC WORKS/PARTNERS/PATROL STATION</b>				<b>295,000</b>	<b>429,000</b>	<b>337,000</b>	<b>158,000</b>	<b>3,030,000</b>	<b>676,000</b>	<b>4,925,000</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only) \_\_\_\_\_

COMBINED RANK \_\_\_\_\_

Department Name & Property Management

Project Title or

NON-ROUTINE  
(New/Renovation)

Yes

No

Code #: Ramsey County Libraries

Item: Building Improvements

Or ROUTINE  
(Maintenance)

\_\_\_

\_\_\_

X

\_\_\_

Account: 441201 \_\_\_ 441212 \_\_\_  
441202 \_\_\_ OTHER 442201

Dept Priority  
Number: \_\_\_\_\_

CM Rating \_\_\_\_\_

CIPAC Rating \_\_\_\_\_

**PROJECT DESCRIPTION:**

Capital repairs and/or replacements are funded through the operating budget by allocating funds into a capital replacement account. Building improvement projects funded from this account extend the useful life or improve the efficiency of the building.

FUNDING SOURCE:	Total All Years	ESTIMATED COST					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -						
Federal Funds	\$ -						
State Funds	\$ -						
Other (Specify): Rental Revenue & Fund Balance	\$ 889,000	\$ 275,000	\$ 169,000	\$ 185,000	\$ 140,000	\$ 60,000	\$ 60,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 889,000</b>	<b>\$ 275,000</b>	<b>\$ 169,000</b>	<b>\$ 185,000</b>	<b>\$ 140,000</b>	<b>\$ 60,000</b>	<b>\$ 60,000</b>

Who Prepared Cost Estimate: Property Management

Date of Estimate: 1/24/2017

**NARRATIVE JUSTIFICATION:**

Prior to the building improvements account being established, funds for capital expenditures were financed through the operating budget and the capital improvement bond proceeds. The Ramsey County Public Works/Patrol Station building is operated as an Internal Service Fund, which is used to account for the financing, on a cost-reimbursement basis of goods and services. To alleviate the demand for scarce capital improvement bond and levy dollars and to account for total cost of operating the building, Property Management will continue to prepare a six-year capital improvement plan. These projects will be funded through rental revenue, based on \$1.50 per rentable square foot and fund balance. Accumulating funds annually enables Property Management to schedule improvements over time. Proactive measurements will increase the life of the building.

1 & 2. Protect Life/Safety or Maintain Public Health X \_\_\_  
3 & 4. Replace Facility or Maintain Physical Property X \_\_\_  
5. Reduce Operating Costs X \_\_\_  
6. Protect Property X \_\_\_

7. Provide Public Service X \_\_\_  
8. Provide Public Convenience X \_\_\_  
9. Enhance County Image X \_\_\_

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

**Department Name & Code**

#: Ramsey County Libraries

**Project Title or**

**Item:** Building Improvements

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Failure to carry out this project could result in the inability to complete necessary building improvements in a timely manner. Potentially, this may have a negative impact on evaluation criteria 1, 2, and 4-9. Also, failure to fund these projects would reduce the useful life of the building.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_\_\_      When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes X      No \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code 22110-351001-442201  
Funding for this project began in 2005. This project allows for the carry-over of funds

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

This project enables Property Management to deter increasing operating costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

This project enables Property Management to stabilize rental rates over a fixed period of time.

**Estimated Useful Life:**      Depends on specific building improvement project completed. The program will increase the overall useful life in a cost-effective manner.

**Estimated Payback Period:**      Depends on specific building improvement projects completed.

(Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

**COUNTY MANAGER COMMENTS:**

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
New Brighton	Carpet	9.00	1.00	50,000	-	-	-	-	-	50,000
Roseville	Paint Atrium	9.00	4.00	50,000	-	-	-	-	-	50,000
Maplewood	Replace lamps and ballasts to LED	26.00	3.00	35,000	-	-	-	-	-	35,000
Mounds View	Replace light fixtures with LED	New		35,000	-	-	-	-	-	35,000
Roseville	Concrete repair	3.00	1.00	30,000	-	-	-	-	-	30,000
Maplewood	Carpet phase 2	New		25,000	-	-	-	-	-	25,000
Shoreview	Additional control, programming, and monitoring of BAS points	New		20,000	-	-	-	-	-	20,000
Maplewood	BAS upgrades	25.00	1.00	15,000	-	-	-	-	-	15,000
Roseville	LED Atrium	New		15,000	-	-	-	-	-	15,000
Maplewood	Carpet phase 3	New		-	35,000	-	-	-	-	35,000
Mounds View	Chip coat parking lot	New		-	35,000	-	-	-	-	35,000
Maplewood	Replace damaged metal panels	5.00	2.00	-	30,000	-	-	-	-	30,000
New Brighton	Paint	9.00	2.00	-	25,000	-	-	-	-	25,000
Mounds View	Replace broken sidewalks	New		-	20,000	-	-	-	-	20,000
Maplewood	Replace fire alarm panel	28.00	4.00	-	14,000	-	-	-	-	14,000
Maplewood	Security Panel upgrade	28.00	3.00	-	10,000	-	-	-	-	10,000
Roseville	Carpet phase 1	9.00	1.00	-	-	100,000	-	-	-	100,000
North St. Paul	Carpet	9.00	1.00	-	-	30,000	-	-	-	30,000
Roseville	Replace garden fence	New		-	-	30,000	-	-	-	30,000
Roseville	Major restore to gardens	32.00	6.00	-	-	25,000	-	-	-	25,000
Roseville	Carpet phase 2	9.00	2.00	-	-	-	100,000	-	-	100,000
Maplewood	Paint interior	New		-	-	-	40,000	-	-	40,000
White Bear Lake	Replace AHU 1 not replaced during construction	23.00	1.00	-	-	-	-	60,000	-	60,000
White Bear Lake	Replace AHU 2 not replaced during construction	23.00	2.00	-	-	-	-	-	60,000	60,000
				-	-	-	-	-	-	-
<b>TOTAL LIBRARIES</b>				<b>275,000</b>	<b>169,000</b>	<b>185,000</b>	<b>140,000</b>	<b>60,000</b>	<b>60,000</b>	<b>889,000</b>



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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only) \_\_\_\_\_

**COMBINED RANK** \_\_\_\_\_

**Yes**                      **No**

**Department Name &** Property Management

**Project Title or**

NON-ROUTINE  
(New/Renovation)

\_\_\_\_\_

\_\_\_\_\_

**Code #:** City Hall / Courthouse

**Item:** Building Improvements

Or ROUTINE  
(Maintenance)

X

\_\_\_\_\_

**Account:**    441201 \_\_\_\_\_    441212 \_\_\_\_\_  
                  441202 \_\_\_\_\_    OTHER 442201

**Dept Priority**  
**Number:** \_\_\_\_\_

CM Rating \_\_\_\_\_

CIPAC Rating \_\_\_\_\_

**PROJECT DESCRIPTION:**

Capital repairs and/or replacements are funded through the operating budget by allocating funds into a capital replacement account. Building improvement projects funded from this account extend the useful life or improve the efficiency of the building.

FUNDING SOURCE:	Total All Years	ESTIMATED COST					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -						
Federal Funds	\$ -						
State Funds	\$ -						
Other (Specify): Rental Revenue & Fund Balance	\$ 3,582,000	\$ 679,000	\$ 811,000	\$ 648,000	\$ 484,000	\$ 920,000	\$ 40,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 3,582,000</b>	<b>\$ 679,000</b>	<b>\$ 811,000</b>	<b>\$ 648,000</b>	<b>\$ 484,000</b>	<b>\$ 920,000</b>	<b>\$ 40,000</b>

**Who Prepared Cost Estimate:** Property Management

**Date of Estimate:** 1/24/2017

**NARRATIVE JUSTIFICATION:**

Prior to the building improvements account being established, funds for capital expenditures were financed through the operating budget and the capital improvement bond proceeds. The City Hall / Courthouse building is operated as an Internal Service Fund, which is used to account for the financing, on a cost-reimbursement basis of goods and services. To alleviate the demand for scarce capital improvement bond and levy dollars and to account for total cost of operating the building, Property Management will continue to prepare a six-year capital improvement plan. These projects will be funded through rental revenue, based on \$1.50 per rentable square foot and fund balance. Accumulating funds annually enables Property Management to schedule improvements over time. Proactive measurements will increase the life of the building.

EVALUATION CRITERIA:	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____		<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____		<u>X</u>	_____
5. Reduce Operating Costs	<u>X</u>	_____		<u>X</u>	_____
6. Protect Property	<u>X</u>	_____		<u>X</u>	_____
			7. Provide Public Service	<u>X</u>	_____
			8. Provide Public Convenience	<u>X</u>	_____
			9. Enhance County Image	<u>X</u>	_____

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

**Department Name & Code**

#: City Hall / Courthouse

**Project Title or**

**Item:** Building Improvements

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Failure to carry out this project could result in the inability to complete necessary building improvements in a timely manner. Potentially, this may have a negative impact on evaluation criteria 1, 2, and 4-9. Also, failure to fund these projects would reduce the useful life of the building.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_\_\_      When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes X      No \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code 22112-350201-442201  
Funding for this project began in 2007. This project allows for the carry-over of funds

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

This project enables Property Management to deter increasing operating costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

This project enables Property Management to stabilize rental rates over a fixed period of time.

**Estimated Useful Life:**      Depends on specific building improvement project completed. The program will increase the overall useful life in a cost-effective manner.

**Estimated Payback Period:**      Depends on specific building improvement projects completed.

(Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

**COUNTY MANAGER COMMENTS:**

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
City Hall/Courthouse	Room Space Temp Controls - VAV Automation - 600 units	25.00	3.00	320,000	345,000	-	-	-	-	665,000
City Hall/Courthouse	Light Fixture Ballast Replacement Phase I - T25 & LED Fixtures	26.00	4 & 8	-	150,000	150,000	150,000	-	-	450,000
City Hall/Courthouse	Renewal Phase II. Floors 8-16 (carpets, wall paper, wood surfaces)	9.00	2.00	134,000	-	-	-	-	-	134,000
City Hall/Courthouse	Air handler Controls - Replace Building Automation System	25.00	2.00	225,000	-	-	-	-	-	225,000
City Hall/Courthouse	Renewal Phase III. Floors LL-7 (carpets, wall paper, wood surfaces)	9.00	3.00	-	200,000	245,000	-	-	-	445,000
City Hall/Courthouse	Roof Lvl 19 and 20 - Built-up	7.00	4.00	-	83,000	-	-	-	-	83,000
City Hall/Courthouse	Roof Lvl 3E - Built-up	7.00	3.00	-	25,000	-	-	-	-	25,000
City Hall/Courthouse	Person Lifts - Major Service	14.00	1.00	-	8,000	-	-	-	-	8,000
City Hall/Courthouse	Chilled Water Heat Exchanger	23.00	4.00	-	-	80,000	-	-	-	80,000
City Hall/Courthouse	Storefront Systems - Main Entrances Doors & Hardware	8.00	2.00	-	-	75,000	-	-	-	75,000
City Hall/Courthouse	Data Center Liebert Unit Replacements	23.00	5.00	-	-	60,000	-	-	-	60,000
City Hall/Courthouse	Heating Water Heat Exchanger	23.00	3.00	-	-	38,000	-	-	-	38,000
City Hall/Courthouse	Refinish Courtroom Benches/Wood Surfaces - Phase I	6.00	2.00	-	-	-	100,000	-	-	100,000
City Hall/Courthouse	Card Access Software Upgrade	28.00	2.00	-	-	-	85,000	-	-	85,000
City Hall/Courthouse	Refinish Courtroom Pews - 16 Courtrooms	9.00	6.00	-	-	-	65,000	-	-	65,000
City Hall/Courthouse	Power-factor Capacitors - Replace	26.00	3.00	-	-	-	30,000	-	-	30,000
City Hall/Courthouse	Toilet Partitions	10.00	1.00	-	-	-	30,000	-	-	30,000
City Hall/Courthouse	Granite Planters Repair	32.00	1.00	-	-	-	20,000	-	-	20,000
City Hall/Courthouse	Glass Mural Ltg Control - Computer	26.00	7.00	-	-	-	4,000	-	-	4,000
City Hall/Courthouse	Windows - roughly 600 exterior units	8.00	1.00	-	-	-	-	900,000	-	900,000
City Hall/Courthouse	Fire Pump Maintenance - Rebuild	21.00	1.00	-	-	-	-	10,000	-	10,000
City Hall/Courthouse	Service larger generator - Cat 1000 kW	26.00	2.00	-	-	-	-	10,000	-	10,000
City Hall/Courthouse	Bifold garage doors - Replace in kind, two pair (Historic look)	8.00	4.00	-	-	-	-	-	40,000	40,000
<b>TOTAL CITY HALL/COURTHOUSE</b>				<b>679,000</b>	<b>811,000</b>	<b>648,000</b>	<b>484,000</b>	<b>920,000</b>	<b>40,000</b>	<b>3,582,000</b>

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only) \_\_\_\_\_

**COMBINED RANK** \_\_\_\_\_

**Department Name & Property Management**

**Project Title or**

NON-ROUTINE  
(New/Renovation)

**Yes**

**No**

**Code #:** General Building Fund

**Item:** Building Improvements

Or ROUTINE  
(Maintenance)

\_\_\_\_\_

\_\_\_\_\_

X

\_\_\_\_\_

**Account:** 441201 \_\_\_\_\_ 441212 \_\_\_\_\_  
441202 \_\_\_\_\_ OTHER 442201

**Dept Priority Number:** \_\_\_\_\_

CM Rating \_\_\_\_\_

CIPAC Rating \_\_\_\_\_

**PROJECT DESCRIPTION:**

Capital repairs and/or replacements are funded through the operating budget by allocating funds into a capital replacement account. Building improvement projects funded from this account extend the useful life or improve the efficiency of the building.

FUNDING SOURCE:	Total All Years	ESTIMATED COST					
		2018	2019	2020	2021	2022	2023
County Funds	\$ -						
Federal Funds	\$ -						
State Funds	\$ -						
Other (Specify): Rental Revenue & Fund Balance	\$ 15,250,000	\$ 3,786,800	\$ 3,239,800	\$ 3,198,400	\$ 1,741,100	\$ 1,516,800	\$ 1,767,100
<b>Totals (Project/Item Funding)</b>	<b>\$ 15,250,000</b>	<b>\$ 3,786,800</b>	<b>\$ 3,239,800</b>	<b>\$ 3,198,400</b>	<b>\$ 1,741,100</b>	<b>\$ 1,516,800</b>	<b>\$ 1,767,100</b>

**Who Prepared Cost Estimate:** Property Management

**Date of Estimate:** 1/24/2017

**NARRATIVE JUSTIFICATION:**

Prior to the building improvements account being established, funds for capital expenditures were financed through the operating budget and the capital improvement bond proceeds. The Ramsey County Government Center East, Juvenile and Family Justice Center, Law Enforcement Center, Suburban Courts, 90 West Plato, Consolidated 911 Center, Metro Square, 402 University, 5 S. Owasso, Correctional Facility, Medical Examiner, and 555 Cedar buildings are operated as an Internal Service Fund (General Building Fund), which is used to account for the financing, on a cost-reimbursement basis of goods and services. To alleviate the demand for scarce capital improvement bond and levy dollars and to account for total cost of operating the buildings, Property Management will continue to prepare a six-year capital improvement plan. These projects will be funded through rental revenue, based on \$1.50 per rentable square foot and fund balance. Accumulating funds annually enables Property Management to schedule improvements over time. Proactive measurements will increase the life of the building.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____	7. Provide Public Service	<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____	8. Provide Public Convenience	<u>X</u>	_____
5. Reduce Operating Costs	<u>X</u>	_____	9. Enhance County Image	<u>X</u>	_____
6. Protect Property	<u>X</u>	_____			

Form BA 402c-1

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

**Department Name & Code**

#: General Building Fund

**Project Title or**

**Item:** Building Improvements

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Failure to carry out this project could result in the inability to complete necessary building improvements in a timely manner. Potentially, this may have a negative impact on evaluation criteria 1, 2, and 4-9. Also, failure to fund these projects would reduce the useful life of the building.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_\_\_      When? \_\_\_\_\_  
If project was funded, are carryover funds available?      Yes X      No \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code 22113-35XXXX-442201  
This project allows for the carry-over of funds.

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

This project enables Property Management to deter increasing operating costs.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

This project enables Property Management to stabilize rental rates over a fixed period of time.

**Estimated Useful Life:**      Depends on specific building improvement project completed. The program will increase the overall useful life in a cost-effective manner.

**Estimated Payback Period:**      Depends on specific building improvement projects completed.

(Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

**COUNTY MANAGER COMMENTS:**

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
<b>TOTAL GOVERNMENT CENTER EAST</b>				<b>No funding has been allocated to RCGC EAST pending results of Strategic Facility Planning Study</b>						
Juvenile and Family Justice	* Upgrade/replace BAS	25.00	2.00	250,000	250,000	-	-	-	-	500,000
Juvenile and Family Justice	* District cooling loop pumps and heat exchanger repair replace	22.00	5.00	55,000	-	-	-	-	-	55,000
Juvenile and Family Justice	X-ray Machine Replacement Guards Station	11.00	2.00	-	45,000	-	-	-	-	45,000
Juvenile and Family Justice	Sidewalk Cleaning (Gum removal, 4000 sq ft)	3.00	2.00	-	25,000	-	-	-	-	25,000
Juvenile and Family Justice	Infrared imaging of electric equipment (w/ METRO)	26.00	5.00	-	20,000	-	-	-	-	20,000
Juvenile and Family Justice	Replace Garage overhead sally port doors, openers	8.00	4.00	-	16,000	-	-	-	-	16,000
Juvenile and Family Justice	Janitor Equipment	New		-	8,000	-	-	-	-	8,000
Juvenile and Family Justice	* Interior Lighting	26.00	1.00	-	-	250,000	-	-	-	250,000
Juvenile and Family Justice	Courtrooms - finishes updates, carpet replacement	9.00	8.00	-	-	160,000	-	-	-	160,000
Juvenile and Family Justice	New Card Access	New		-	-	80,000	-	-	-	80,000
Juvenile and Family Justice	Painting Public Areas	New		-	-	30,000	-	-	-	30,000
Juvenile and Family Justice	UPS Service	New		-	-	10,000	-	-	-	10,000
Juvenile and Family Justice	Detention pods repaint	9.00	1.00	-	-	-	60,000	-	-	60,000
Juvenile and Family Justice	Replace detention fencing at patio	32.00	2.00	-	-	-	31,000	-	-	31,000
Juvenile and Family Justice	Entrance Floor repairs	9.00	4.00	-	-	-	30,000	-	-	30,000
Juvenile and Family Justice	Tuck-pointing	4.00	1.00	-	-	-	20,000	300,000	-	320,000
Juvenile and Family Justice	* AHU upgrades - public/ offices	23.00	7.00	-	-	-	-	205,000	-	205,000
Juvenile and Family Justice	* Replace Pumps and Compressors	23.00	4.00	-	-	-	-	60,000	-	60,000
Juvenile and Family Justice	Detention Elevator study & upgrades	14.00	5.00	-	-	-	-	15,000	80,000	95,000
Juvenile and Family Justice	Ramp replacement include snow melt	New		-	-	-	-	-	125,000	125,000
Juvenile and Family Justice	Exterior Window Replacement (JDC portion)	8.00	6.00	-	-	-	-	-	55,000	55,000
Juvenile and Family Justice	Refurbish exterior metals	5.00	2.00	-	-	-	-	-	35,000	35,000
<b>TOTAL JUVENILE AND FAMILY JUSTICE</b>				<b>305,000</b>	<b>364,000</b>	<b>530,000</b>	<b>141,000</b>	<b>580,000</b>	<b>295,000</b>	<b>2,215,000</b>
Law Enforcement Center	* Replace BAS	25.00	2.00	375,000	375,000	-	-	-	-	750,000
Law Enforcement Center	* Replace Snow Melts	11.00	2.00	90,000	-	-	-	-	-	90,000
Law Enforcement Center	Replace UPS Admin	26.00	5.00	50,000	-	-	-	-	-	50,000
Law Enforcement Center	Replace Parking Gate Systems	New		20,800	-	-	-	-	-	20,800
Law Enforcement Center	* Penthouse Air Comp	11.00	1.00	20,000	-	-	-	-	-	20,000
Law Enforcement Center	Replace 5 Inverters and install LED Emergency Lights	26.00	2.00	-	250,000	71,000	-	-	-	321,000
Law Enforcement Center	Replace X-Ray Machine and Metal Detector	11.00	5.00	-	35,000	-	-	-	-	35,000
Law Enforcement Center	Replace janitorial equipment	New		-	20,000	-	-	-	-	20,000
Law Enforcement Center	* Upgrade Sub Meters	New		-	16,000	-	-	-	-	16,000
Law Enforcement Center	* Replace VFD's	23.00	5.00	-	15,800	60,000	-	-	-	75,800
Law Enforcement Center	Replace Milwork Warrants and Court Admin	6.00	3.00	-	12,000	-	-	-	-	12,000
Law Enforcement Center	* Air Comp Near AHU 8	New		-	12,000	-	-	-	-	12,000
Law Enforcement Center	* Refurbish Jail Elevators (3)	14.00	2.00	-	-	335,000	200,000	-	-	535,000



PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
Law Enforcement Center	* 5 Inverters & LED lighting Conversions	26.00	1.00	-	-	150,000	150,000	-	-	300,000
Law Enforcement Center	* Refurbish Elevator C1	14.00	1.00	-	-	95,000	-	-	-	95,000
Law Enforcement Center	* Upgrade 24-Hour AHU's	23.00	8.00	-	-	79,800	-	-	-	79,800
Law Enforcement Center	Snow removal equip	New		-	-	75,000	-	-	-	75,000
Law Enforcement Center	Replace Flooring Main Lobby to Employee Entrance	New		-	-	25,000	-	-	-	25,000
Law Enforcement Center	* Refurbish/Replace Heat Exchangers	22.00	6.00	-	-	-	200,000	-	-	200,000
Law Enforcement Center	Asphalt North & West Side of Campus	32.00	3.00	-	-	-	120,000	-	-	120,000
Law Enforcement Center	Replace Power Dayroom Windows	8.00	8.00	-	-	-	80,800	-	-	80,800
Law Enforcement Center	Asphalt Front Parking and Restripe	32.00	2.00	-	-	-	65,000	-	-	65,000
Law Enforcement Center	Cell Plumbing Controls Phase 1	22.00	3.00	-	-	-	-	250,000	-	250,000
Law Enforcement Center	Replace Fire Alarm System	New		-	-	-	-	65,000	-	65,000
Law Enforcement Center	Cell Plumbing Controls Phase 2	22.00	4.00	-	-	-	-	-	250,000	250,000
Law Enforcement Center	* Replace Domestic Water Tank	22.00	5.00	-	-	-	-	-	75,000	75,000
Law Enforcement Center	Replace Garage Door Loading Dock	8.00	6.00	-	-	-	-	-	55,800	55,800
Law Enforcement Center	Redo Courtroom Paneling	9.00	3.00	-	-	-	-	-	55,000	55,000
Law Enforcement Center	Paint Tenant Offices and Hallways	New		-	-	-	-	-	50,000	50,000
Law Enforcement Center	Upgrade Vederoot	New		-	-	-	-	-	10,000	10,000
<b>TOTAL LAW ENFORCEMENT CENTER</b>				<b>555,800</b>	<b>735,800</b>	<b>890,800</b>	<b>815,800</b>	<b>315,000</b>	<b>495,800</b>	<b>3,809,000</b>
Suburban Courts	X ray and magnetometer	New		55,000	-	-	-	-	-	55,000
Suburban Courts	Camera/NVR	28.00	3.00	16,000	-	-	-	-	-	16,000
Suburban Courts	* Lighting Upgrades LED	26.00	1.00	-	75,000	-	-	-	-	75,000
Suburban Courts	* BAS Upgrade	25.00	1.00	-	75,000	-	-	-	-	75,000
Suburban Courts	Siding Repairs/ Replacement	New		-	50,000	-	-	-	-	50,000
Suburban Courts	Lobby / Courtroom Remodel	9.00	2.00	-	24,000	-	-	-	-	24,000
Suburban Courts	* Window Blinds / energy saving Blinds	New		-	13,000	-	-	-	-	13,000
Suburban Courts	* Computer Closet Split Unit	23.00	5.00	-	5,500	-	-	-	-	5,500
Suburban Courts	Parking Lot Pavement	32.00	2.00	-	4,000	-	-	2,500	-	6,500
Suburban Courts	Plumbing Fixtures	22.00	6.00	-	3,000	-	-	-	2,500	5,500
Suburban Courts	Roof Replacement	7.00	2.00	-	-	237,300	-	-	-	237,300
Suburban Courts	Card Access Upgrade	28.00	1.00	-	-	14,000	-	-	-	14,000
Suburban Courts	Painting	New		-	-	7,500	-	-	7,500	15,000
Suburban Courts	Doors & Hardware	8.00	1.00	-	-	4,000	-	-	-	4,000
Suburban Courts	Landscape Replacement	New		-	-	3,000	-	-	-	3,000
Suburban Courts	Restroom Partitions	22.00	6.00	-	-	-	5,500	-	-	5,500
Suburban Courts	Storm Water Retention Pond	32.00	1.00	-	-	-	2,000	-	-	2,000
Suburban Courts	* RTU Replacement	23.00	1.00	-	-	-	-	20,000	-	20,000
Suburban Courts	Curb and Gutter	32.00	5.00	-	-	-	-	-	35,000	35,000
<b>TOTAL SUBURBAN COURTS</b>				<b>71,000</b>	<b>249,500</b>	<b>265,800</b>	<b>7,500</b>	<b>22,500</b>	<b>45,000</b>	<b>661,300</b>

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
90 West Plato	* Heat Pump Replacement (\$5000.Each)	23.00	1.00	45,000	40,000	20,000	40,000	40,000	40,000	225,000
90 West Plato	* Sub Metering	New		40,000	-	-	-	-	-	40,000
90 West Plato	Restroom Upgrades	9.00	7.00	35,000	35,000	35,000	35,000	-	-	140,000
90 West Plato	Sidewalk Repairs	New		10,000	-	-	10,000	-	-	20,000
90 West Plato	Janitor Equipment	New		8,000	-	-	-	-	-	8,000
90 West Plato	* LED Conversion	New		-	225,000	-	-	-	-	225,000
90 West Plato	Tuck-pointing Stucco Repair	4.00	1.00	-	75,000	-	-	-	-	75,000
90 West Plato	Painting	New		-	8,000	-	10,000	-	10,000	28,000
90 West Plato	* Elevator Upgrades	14.00	2.00	-	-	175,000	-	-	-	175,000
90 West Plato	* Upgrade Replace BAS	25.00	1.00	-	-	165,000	-	-	-	165,000
90 West Plato	Snow removal equip	New		-	-	-	25,000	-	-	25,000
90 West Plato	Parking Lot Repairs	New		-	-	-	10,000	-	-	10,000
90 West Plato	Replace Upper Level Roof	7.00	3.00	-	-	-	-	-	250,000	250,000
	<b>TOTAL 90 WEST PLATO</b>			<b>138,000</b>	<b>383,000</b>	<b>395,000</b>	<b>130,000</b>	<b>40,000</b>	<b>300,000</b>	<b>1,386,000</b>
Consolidated 911 Center	Restroom Partitions	10.00	2.00	12,000	-	-	-	-	-	12,000
Consolidated 911 Center	Paint Offices and Hallways	New		10,000	-	-	-	-	-	10,000
Consolidated 911 Center	* Water Heater Replacement	22.00	1.00	9,000	-	-	-	-	-	9,000
Consolidated 911 Center	* High Efficiency Motors RTU 4	23.00	5.00	2,000	-	-	-	-	-	2,000
Consolidated 911 Center	* Retro Building with LED	26.00	1.00	-	75,000	-	-	-	-	75,000
Consolidated 911 Center	* Repair RTU's	23.00	4.00	-	-	55,000	-	-	-	55,000
Consolidated 911 Center	Flooring Replacement Non Call Center Side	New		-	-	40,000	-	-	-	40,000
Consolidated 911 Center	* Submeter	New		-	-	3,300	-	-	-	3,300
Consolidated 911 Center	Replace Milwork Comfloor	New		-	-	-	18,300	-	-	18,300
Consolidated 911 Center	* Replace VFD's	New		-	-	-	15,000	-	-	15,000
Consolidated 911 Center	Fire System Upgrade	New		-	-	-	10,000	-	-	10,000
Consolidated 911 Center	* Elevator Renovation	14.00	1.00	-	-	-	-	12,000	-	12,000
Consolidated 911 Center	Repair Structural Elements	New		-	-	-	-	6,300	-	6,300
Consolidated 911 Center	Flooring Replacement Call Center	New		-	-	-	-	-	63,300	63,300
Consolidated 911 Center	Roof Repair	7.00	1.00	-	-	-	-	-	25,000	25,000
	<b>TOTAL CONSOLIDATED 911 CENTER</b>			<b>33,000</b>	<b>75,000</b>	<b>98,300</b>	<b>43,300</b>	<b>18,300</b>	<b>88,300</b>	<b>356,200</b>
Metro Square	Roof Replacement	7.00	2.00	1,800,000	-	-	-	-	-	1,800,000
Metro Square	* Recommissioning/Sparks	25.00	3.00	125,000	-	-	-	-	-	125,000
Metro Square	Renovation of existing large restrooms to match lower level	22.00	5.00	85,000	-	-	-	-	-	85,000
Metro Square	Radiation Cabinets (\$80,000 per floor)	New		80,000	-	-	-	-	-	80,000
Metro Square	* Upgrade BAS software	25.00	1.00	35,000	-	-	-	35,000	-	70,000
Metro Square	UPS battery replacement	26.00	8.00	16,000	-	-	16,000	-	-	32,000
Metro Square	* Light fixture ballast replacement (LED)	26.00	5.00	-	220,000	150,000	-	-	-	370,000
Metro Square	* Update Ltg control	26.00	6.00	-	65,000	-	-	-	-	65,000

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
Metro Square	Public Area Carpet Replacement	9.00	1.00	-	55,000	55,000	55,000	55,000	55,000	275,000
Metro Square	* Submetering	23.00	9.00	-	45,000	-	-	-	-	45,000
Metro Square	Snow Removal Equipment, JD w/blade, brush, blower	New		-	40,000	-	-	-	-	40,000
Metro Square	Infrared imaging of electric equipment (w/ JFJC)	New		-	20,000	-	-	-	-	20,000
Metro Square	Painting - Public Areas	New		-	18,000	-	18,000	-	18,000	54,000
Metro Square	Janitor Equipment	New		-	15,000	-	-	-	-	15,000
Metro Square	* Replace chilled water heat exchanger	23.00	5.00	-	-	80,000	-	-	-	80,000
Metro Square	Tuck point and paint Annex	4.00	1.00	-	-	75,000	-	-	-	75,000
Metro Square	* Replace Water Heaters w/ high efficiency	22.00	3.00	-	-	15,000	-	-	-	15,000
Metro Square	Exterior Door Replacement	8.00	1.00	-	-	-	40,000	-	-	40,000
Metro Square	Sidewalk repairs/replacement	3.00	1.00	-	-	-	40,000	-	-	40,000
Metro Square	Upgrade Camera system	28.00	2.00	-	-	-	-	45,000	-	45,000
Metro Square	Card Access upgrade	28.00	1.00	-	-	-	-	25,000	-	25,000
Metro Square	Replace exterior window gaskets	8.00	4.00	-	-	-	-	-	150,000	150,000
	<b>TOTAL METRO SQUARE</b>			<b>2,141,000</b>	<b>478,000</b>	<b>375,000</b>	<b>169,000</b>	<b>160,000</b>	<b>223,000</b>	<b>3,546,000</b>
402 University	* RTU Conversion for BAS Control	New		70,000	-	-	-	-	-	70,000
402 University	Paint Offices and Hallways	New		15,000	-	-	-	-	-	15,000
402 University	* Upgrade BAS	New		-	57,500	-	-	-	-	57,500
402 University	Parking Resurface/Restriping	New		-	-	42,500	-	-	-	42,500
402 University	Flooring in Offices and Common area	New		-	-	25,000	50,000	-	-	75,000
402 University	* LED Retrofit	New		-	-	-	50,000	50,000	-	100,000
402 University	Millwork	New		-	-	-	17,500	-	-	17,500
402 University	Upgrade Fire Alarm System	New		-	-	-	-	12,000	-	12,000
402 University	Courtroom Furnishing	New		-	-	-	-	-	20,000	20,000
402 University	Garage Door Sally Port	New		-	-	-	-	-	40,000	40,000
402 University	Janitor Equipment Replacement	New		-	-	-	-	-	7,500	7,500
	<b>TOTAL 402 UNIVERSITY</b>			<b>85,000</b>	<b>57,500</b>	<b>67,500</b>	<b>117,500</b>	<b>62,000</b>	<b>67,500</b>	<b>457,000</b>
5 S. Owasso	Office carpet (and painting moved to 2018)	9.00	1.00	50,000	-	-	-	-	-	50,000
5 S. Owasso	Impound lot parking surface (added 23,000, moved to 2018)	32.00	1.00	50,000	-	-	-	-	-	50,000
5 S. Owasso	Cameras/NVR(added 6000, moved to 2017)	28.00	3.00	27,000	-	-	-	-	-	27,000
5 S. Owasso	Fire alarm with network communications (moved to 2018)	28.00	2.00	15,000	-	-	-	-	-	15,000
5 S. Owasso	Landscaping, west side grading/trees/shrubs (added 4,000 moved to 2018)	32.00	5.00	9,000	-	-	-	-	-	9,000
5 S. Owasso	Brick/stone repair (and caulking, added 10,000 moved to 2018)	4.00	1.00	6,000	-	-	-	-	-	6,000
5 S. Owasso	Service roof full replacement (added 330,000 moved to 2019)	7.00	1.2	-	575,000	-	-	-	-	575,000
5 S. Owasso	Parking lot light fixtures	26.00	5.00	-	17,000	-	-	-	-	17,000
5 S. Owasso	* Office remodel & LEADS	New		-	-	35,000	-	-	-	35,000
5 S. Owasso	Maintenance for Crime lab vehicle processing area(added 3,000 moved to 2021)	New		-	-	10,000	-	-	-	10,000
5 S. Owasso	Concrete walks	3.00	1.00	-	-	6,000	-	-	-	6,000

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
5 S. Owasso	Exterior doors and frames(moved to 2020)	8.00	7.00	-	-	4,000	-	-	-	4,000
5 S. Owasso	Maintenance bay overhead doors(added 5,000 moved to 2021)	8.00	6.00	-	-	-	25,000	-	-	25,000
5 S. Owasso	Ceiling tile	9.00	4.00	-	-	-	11,000	-	-	11,000
5 S. Owasso	Receiving doors, loading dock(moved to 2021)	8.00	4.00	-	-	-	10,000	-	-	10,000
5 S. Owasso	Transfer Switch	26.00	3.00	-	-	-	6,000	-	-	6,000
5 S. Owasso	Impound lot fence (moved to 2022)	32.00	4.00	-	-	-	5,000	8,000	-	13,000
5 S. Owasso	Impound gate operator (moved to 2020)	26.00	6.00	-	-	-	-	15,000	-	15,000
5 S. Owasso	* High bay LEDs (combined and moved to 2023)	26.00	2.00	-	-	-	-	-	12,000	12,000
5 S. Owasso	Retaining Wall repair	32.00	3.00	-	-	-	-	-	7,000	7,000
<b>TOTAL 5 S. OWASSO</b>				<b>157,000</b>	<b>592,000</b>	<b>55,000</b>	<b>57,000</b>	<b>23,000</b>	<b>19,000</b>	<b>903,000</b>
Correctional Facility	* Kitchen Elevator Replacement, with Elevator Equipment Room Code Modifications	14.00	1.00	165,000	-	-	-	-	-	165,000
Correctional Facility	Replace Day Space Carpeting Dorms 1000,1100,1200, 1300 with Protectall Product	9.00	11 & 12	45,000	-	-	-	-	-	45,000
Correctional Facility	* Upgrade All Exterior Lighting Systems to LED	New		35,000	-	-	-	-	-	35,000
Correctional Facility	Replace Front Lobby Entrance Doors with ADA Compliant Doors and Operators	8.00	3.00	30,000	-	-	-	-	-	30,000
Correctional Facility	Replace Shower Stall Walls & Floors in Dorms 1100, 1200 with Protectall Product	9.00	11 & 12	20,000	-	-	-	-	-	20,000
Correctional Facility	* Convert chilled water loop to Glycol	New		6,000	-	-	-	-	-	6,000
Correctional Facility	West Parking Lot mill & repave	32.00	2.00	-	100,000	-	-	-	-	100,000
Correctional Facility	* Replace JCI w/Alerton, Upgrade software/devices	25.00	3.00	-	75,000	-	60,000	-	60,000	195,000
Correctional Facility	* Replace pneumatic steam valves w/electronic	25.00	2.00	-	40,000	-	-	-	-	40,000
Correctional Facility	Replace Carpeting in Dorms 300 & 400 to Protectall Product	9.00	6.00	-	30,000	-	-	-	-	30,000
Correctional Facility	Replace Carpeting in Dorms 100 & 200 to Protectall Product	9.00	5.00	-	30,000	-	-	-	-	30,000
Correctional Facility	Replace Carpeting in Dorms 700, 800, 900 with Protectall Product	9.00	8 & 9	-	30,000	-	-	-	-	30,000
Correctional Facility	* LED Conversion	New		-	-	250,000	-	-	-	250,000
Correctional Facility	Domestic Hot/Cold Water Main Interior Replacements	22.00	1.00	-	-	180,000	-	-	-	180,000
Correctional Facility	Upgrade Toilet, Urinal Flush Valves and Shower Control Valves to Inferred Controls	22.00	2.00	-	-	65,000	-	-	-	65,000
Correctional Facility	* Abate, reinsulate water lines	New		-	-	18,000	-	18,000	-	36,000
Correctional Facility	Replace 32 each UPS Batteries	26.00	3.00	-	-	8,000	-	-	8,500	16,500
Correctional Facility	Tuck-point exterior masonry	4.00	1.00	-	-	-	90,000	-	-	90,000
Correctional Facility	Replace 12 ea. 200 Amp Original Electrical Sub Panels	26.00	2.00	-	-	-	60,000	-	-	60,000
Correctional Facility	Fire System Alarm Upgrade Head End Equipment	28.00	3.00	-	-	-	50,000	200,000	-	250,000
Correctional Facility	Replace surveillance cams, intercom, gate controls	27.00	2.00	-	-	-	-	40,000	165,000	205,000
Correctional Facility	UPS modules	26.00	4.00	-	-	-	-	22,000	-	22,000
Correctional Facility	Front Off Carpet	9.00	1.00	-	-	-	-	16,000	-	16,000
<b>TOTAL CORRECTIONAL FACILITY</b>				<b>301,000</b>	<b>305,000</b>	<b>521,000</b>	<b>260,000</b>	<b>296,000</b>	<b>233,500</b>	<b>1,916,500</b>
<b>TOTAL MEDICAL EXAMINER</b>				<b>No funding has been allocated to ME Office pending completion of remodeling project.</b>						
<b>TOTAL 555 Cedar</b>				<b>No funding has been allocated to 555 Cedar pending results of Strategic Facility Planning Study</b>						

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
	<b>TOTAL GENERAL BUILDING FUND</b>			<b>3,786,800</b>	<b>3,239,800</b>	<b>3,198,400</b>	<b>1,741,100</b>	<b>1,516,800</b>	<b>1,767,100</b>	<b>15,250,000</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY FUNDING SOURCE**

**Dept Name & Code #**    Building & Grounds Improvements/Repairs

<b>COUNTY BUILDINGS/DEPARTMENTS</b>	<b>Total All Years</b>	<b>ESTIMATED FUNDING</b>					
		<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Boys Totem Town 500000	\$ 679,800	\$ 113,300	\$ 113,300	\$ 113,300	\$ 113,300	\$ 113,300	\$ 113,300
Extension Barn 760000	191,400	31,900	31,900	31,900	31,900	31,900	31,900
Family Service Center 350000	171,600	28,600	28,600	28,600	28,600	28,600	28,600
Landmark Center 720000	1,155,000	192,500	192,500	192,500	192,500	192,500	192,500
Parks & Recreation/660000	4,402,200	733,700	733,700	733,700	733,700	733,700	733,700
<b>SUB-TOTAL (County funding)</b>	<b>6,600,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>	<b>1,100,000</b>
Parks & Recreation (Non-County Funding)	2,255,293	1,449,420	79,645	282,871	165,397	127,210	150,750
<b>TOTAL FUNDING</b>	<b>8,855,293</b>	<b>2,549,420</b>	<b>1,179,645</b>	<b>1,382,871</b>	<b>1,265,397</b>	<b>1,227,210</b>	<b>1,250,750</b>
Unfunded Projects	1,264,442	2,347,010	(270,214)	(17,818)	(364,403)	(114,140)	(315,993)
<b>TOTAL COSTS (equals Summary by Project)</b>	<b>\$ 10,119,735</b>	<b>\$ 4,896,430</b>	<b>\$ 909,431</b>	<b>\$ 1,365,053</b>	<b>\$ 900,994</b>	<b>\$ 1,113,070</b>	<b>\$ 934,757</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
SUMMARY BY PROJECT**

Dept Name & Code # Building & Grounds Improvements/Repairs

Priority Number	Project or Item	Total Project Cost	ESTIMATED COST					
			2018	2019	2020	2021	2022	2023
	Boys Totem Town 500000	\$ 2,070,400	\$ 1,285,400	\$ 124,000	\$ 530,000	\$ 50,000	\$ 54,000	\$ 27,000
	Extension Barn 760000	208,800	46,800	45,000	14,000	10,000	-	93,000
	Family Service Center 350000	871,200	367,200	110,000	149,000	22,000	168,000	55,000
	Landmark Center 720000	2,360,800	736,600	373,500	203,700	310,000	482,000	255,000
	Parks & Recreation/660000	4,608,535	2,460,430	256,931	468,353	508,994	409,070	504,757
<b>TOTALS (Last Page Only)</b>		<b>\$ 10,119,735</b>	<b>\$ 4,896,430</b>	<b>\$ 909,431</b>	<b>\$ 1,365,053</b>	<b>\$ 900,994</b>	<b>\$ 1,113,070</b>	<b>\$ 934,757</b>

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANK** \_\_\_\_\_  
Yes                      No

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	_____	
		Or ROUTINE (Maintenance)	_____	
<b>Code #:</b> Boys Totem Town 500000	<b>Item:</b> Building Improvements (CCAMPP)		<u>X</u>	_____

<b>Account:</b>	441201 _____ 441212 _____	<b>Dept Priority</b>			
	441202 _____ OTHER _____	<b>Number:</b>	_____	CM Rating	_____ CIPAC Rating _____

**PROJECT DESCRIPTION:**  
Scheduled replacement of building components (e.g. garage roof, lighting, carpeting, HVAC upgrades) and grounds elements (e.g. concrete repairs and parking lot repaving) are based on predictable life cycles. The items included in this category have or will have reached end of life by 2023.

FUNDING SOURCE:	Total All Years	ESTIMATED COST					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 2,070,400	\$ 1,285,400	\$ 124,000	\$ 530,000	\$ 50,000	\$ 54,000	\$ 27,000
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 2,070,400</b>	<b>\$ 1,285,400</b>	<b>\$ 124,000</b>	<b>\$ 530,000</b>	<b>\$ 50,000</b>	<b>\$ 54,000</b>	<b>\$ 27,000</b>

**Who Prepared Cost Estimate:** Staff (based on recent project costs) \_\_\_\_\_ **Date of Estimate:** Jan-15 \_\_\_\_\_

**NARRATIVE JUSTIFICATION:**  
In 2004, the Ramsey County Board of Commissioners established a goal: **Ramsey County will implement a Comprehensive Capital Asset Management Preservation Plan (CCAMPP) to maintain high-quality services and maximize return on its public investment.** Subsequently, the County established a uniform life cycle replacement program for buildings and grounds components based on industry standards and best practices. All buildings and grounds were included in the system in order to quantify life cycle costs for each facility. The Department has updated this system to reflect life cycle replacements that have been implemented through projects funded under the County's Capital Improvement Program, CCAMPP (levy) and other programs. In addition, the Department maintains a building and grounds condition report for each facility that is updated to document improvements, life cycle replacements and general condition of major components. Following the scheduled life cycle for replacement of buildings and grounds components enables the Department to maintain quality services and preserve the assets of the County. The 2016 column involving County funds includes scheduled amounts in 2018 (\$260,000) plus the total backlog of the unfunded scheduled projects prior to 2018 (\$1,025,400).

EVALUATION CRITERIA:	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____	(in some instances)	<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____		_____	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	_____		<u>X</u>	_____
6. Protect Property	<u>X</u>	_____		_____	_____
			7. Provide Public Service	<u>X</u>	_____
			8. Provide Public Convenience	_____	<u>X</u>
			9. Enhance County Image	<u>X</u>	_____



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

**Department Name &**

**Project Title or**

**Code #:** Boys Totem Town 500000

**Item:** Building Improvements (CCAMPP)

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Deferral of scheduled life cycle replacements will result in deterioration of the buildings and grounds; require extraordinary operating expenses for remedial repair and maintenance of failed components; reflect negatively on the County's image and ultimately result in the loss of the intended public services because facilities are no longer functional.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_\_\_      When? CIP 1989-2009 & CCAMP Appropriations 2006-2009  
If project was funded, are carryover funds available?      Yes \_\_\_\_\_      No \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Deferral of scheduled life cycle replacements places extraordinary demand on operating budgets in order to maintain and repair antiquated components. Since all of the items are included in this request are scheduled life cycle maintenance items, they are part of the current capital asset management system.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Various based on projected life cycle for each component (see schedules on attached spreadsheets).

**Estimated Useful Life:**      Various based on the life cycle schedules on the attached spreadsheets.

**Estimated Payback Period:**      \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

**COUNTY MANAGER COMMENTS:**

BUILDING IMPROVEMENT PLANS PRE-2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM		ESTIMATED COST							
		DIVISION	ITEM NO.	PRE- 2018	2018	2019	2020	2021	2022	2023	TOTAL
Boys Totem Town Campus	School - replace single pane windows with energy efficient	8.00	3.00	121,000	-	-	-	-	-	-	121,000
Boys Totem Town Campus	Upgrade Admin. Building electrical distribution	26.00	10.00	55,000	-	-	-	-	-	-	55,000
Boys Totem Town Campus	Replace / Repair / Stain Cedar siding	6.00	3.00	30,000	-	-	-	-	-	-	30,000
Boys Totem Town Campus	Replace ballasts and relamp - School	26.00	3.00	15,000	-	-	-	-	-	-	15,000
Boys Totem Town Campus	Replace ballasts and relamp - Admin	26.00	2.00	12,000	-	-	-	-	-	-	12,000
Boys Totem Town Campus	Replace ballasts and relamp - Kohler	26.00	5.00	7,000	-	-	-	-	-	-	7,000
Boys Totem Town Campus	Replace ballasts and relamp - Old School	26.00	1.00	5,000	-	-	-	-	-	-	5,000
Boys Totem Town Campus	Repair / Replace Classroom casework	6.00	2.00	45,000	-	-	-	-	-	-	45,000
Boys Totem Town Campus	Replace carpet in public areas of School	9.00	11.00	21,000	-	-	-	-	-	-	21,000
Boys Totem Town Campus	Recarpet public areas in Kohler	9.00	5.00	8,000	-	-	-	-	-	-	8,000
Boys Totem Town Campus	Replace steam piping and traps - campus wide	22.00	2.00	180,000	-	-	-	-	-	-	180,000
Boys Totem Town Campus	Replace carpet in admin. Building	9.00	2.00	60,000	-	-	-	-	-	-	60,000
Boys Totem Town Campus	Replace loading dock	3.00	4.00	25,000	-	-	-	-	-	-	25,000
Boys Totem Town Campus	Retile kitchen area	9.00	9.00	25,000	-	-	-	-	-	-	25,000
Boys Totem Town Campus	Replace carpet in Old School	9.00	1.00	12,000	-	-	-	-	-	-	12,000
Boys Totem Town Campus	Add sprinklers in Admin. Building	21.00	1.00	85,000	-	-	-	-	-	-	85,000
Boys Totem Town Campus	Upgrade Surveillance cameras	28.00	4.00	81,000	-	-	-	-	-	-	81,000
Boys Totem Town Campus	Roof replacement on Out buildings	7.00	6.00	65,000	-	-	-	-	-	-	65,000
Boys Totem Town Campus	Replace VCT in School	9.00	3.00	65,000	-	-	-	-	-	-	65,000
Boys Totem Town Campus	Replace original plumbing fixtures	22.00	3.00	65,000	-	-	-	-	-	-	65,000
Boys Totem Town Campus	Add sprinklers - old school	21.00	2.00	25,000	-	-	-	-	-	-	25,000
Boys Totem Town Campus	Replace sidewalks as needed	3.00	2.00	20,000	-	-	-	-	-	-	20,000
Boys Totem Town Campus	Replace Front desk in lobby	6.00	1.00	15,000	-	-	-	-	-	-	15,000
Boys Totem Town Campus	Repave loop road	32.00	1.00	15,000	-	-	-	-	-	-	15,000
Boys Totem Town Campus	Repave lower parking	32.00	3.00	15,000	-	-	-	-	-	-	15,000
Boys Totem Town Campus	Reconstruct exterior stairs at boat building	3.00	1.00	10,000	-	-	-	-	-	-	10,000
Boys Totem Town Campus	Replace exterior handrails	5.00	3.00	10,000	-	-	-	-	-	-	10,000
Boys Totem Town Campus	Replace windows on Trailer/office	8.00	8.00	10,000	-	-	-	-	-	-	10,000
Boys Totem Town Campus	Repave service and connecting roads	32.00	4.00	10,000	-	-	-	-	-	-	10,000
Boys Totem Town Campus	Repave upper parking	32.00	2.00	8,000	-	-	-	-	-	-	8,000
Boys Totem Town Campus	Replace water heating tanks	22.00	1.00	6,000	-	-	-	-	-	-	6,000
Boys Totem Town Campus	Replace AHU in lower level of Old School	23.00	1.00	24,000	-	-	-	-	-	-	24,000
Boys Totem Town Campus	Replace carpet in Dorm of School bldg.	9.00	10.00	15,000	-	-	-	-	-	-	15,000
Boys Totem Town Campus	Replace carpet in Out buildings	9.00	7.00	10,000	-	-	-	-	-	-	10,000
Boys Totem Town Campus	Repair Kohler Exercise yard fence	32.00	5.00	6,000	-	-	-	-	-	-	6,000
Boys Totem Town Campus	Replace boilers	23.00	10.00	45,000	-	-	-	-	-	-	45,000
Boys Totem Town Campus	Replace Staff appliances	99.00	3.00	15,000	-	-	-	-	-	-	15,000

BUILDING IMPROVEMENT PLANS PRE-2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		ESTIMATED COST								
		DIVISION	ITEM NO.	PRE- 2018	2018	2019	2020	2021	2022	2023	TOTAL	
Boys Totem Town Campus	Replace / repair AHU in Gym	23.00	4.00	-	75,000	-	-	-	-	-	75,000	
Boys Totem Town Campus	Replace radiation and window units in School	23.00	3.00	-	65,000	-	-	-	-	-	65,000	
Boys Totem Town Campus	Replace Kitchen Exhaust fans	23.00	9.00	-	35,000	-	-	-	-	-	35,000	
Boys Totem Town Campus	Refinish court floor in Gym	9.00	4.00	-	30,000	-	-	-	-	-	30,000	
Boys Totem Town Campus	Major Service of generator	26.00	8.00	-	25,000	-	-	-	-	-	25,000	
Boys Totem Town Campus	Cleaning of DX units in community 1 and 2 - Admin.	23.00	2.00	-	22,000	-	-	-	-	-	22,000	
Boys Totem Town Campus	Repair / replace finishes in Time out area	9.00	8.00	-	8,000	-	-	-	-	-	8,000	
Boys Totem Town Campus	Replace aluminum windows on Admin. Building	8.00	2.00	-	-	85,000	-	-	-	-	85,000	
Boys Totem Town Campus	Replace Dock lift	11.00	2.00	-	-	24,000	-	-	-	-	24,000	
Boys Totem Town Campus	Replace headend of Intercom and paging equipment	28.00	3.00	-	-	15,000	-	-	-	-	15,000	
Boys Totem Town Campus	Replace roof on Gym	7.00	4.00	-	-	-	187,000	-	-	-	187,000	
Boys Totem Town Campus	Masonry work on Old School walls	4.00	1.00	-	-	-	90,000	-	-	-	90,000	
Boys Totem Town Campus	Replace control and monitoring equipment in Kohler detention	99.00	2.00	-	-	-	65,000	-	-	-	65,000	
Boys Totem Town Campus	Replace flooring in Kohler - dayrooms, lunch rooms etc.	9.00	6.00	-	-	-	55,000	-	-	-	55,000	
Boys Totem Town Campus	Replace Laundry equipment	99.00	1.00	-	-	-	35,000	-	-	-	35,000	
Boys Totem Town Campus	Replace aluminum windows on Old School Building	8.00	1.00	-	-	-	25,000	-	-	-	25,000	
Boys Totem Town Campus	Replace pole lighting in back lot of Kohler	26.00	7.00	-	-	-	25,000	-	-	-	25,000	
Boys Totem Town Campus	Replace cedar siding on Cottage	6.00	5.00	-	-	-	18,000	-	-	-	18,000	
Boys Totem Town Campus	Repair / Replace gate & entry controls - Kohler	28.00	5.00	-	-	-	18,000	-	-	-	18,000	
Boys Totem Town Campus	BAS Software upgrade	25.00	1.00	-	-	-	6,000	-	-	-	6,000	
Boys Totem Town Campus	Service generator in Kohler	26.00	6.00	-	-	-	6,000	-	-	-	6,000	
Boys Totem Town Campus	Upgrade major motors for energy efficiency	26.00	9.00	-	-	-	-	45,000	-	-	45,000	
Boys Totem Town Campus	<del>Replace water heater in Kohler</del>	22.00	4.00	-	-	-	-	-	-	-	-	
Boys Totem Town Campus	Replace windows on Garage and other storage	8.00	7.00	-	-	-	-	5,000	-	-	5,000	
Boys Totem Town Campus	Upgrade Air Conditioning								50,000	-	50,000	
Boys Totem Town Campus	Repair Handicap Automatic Door Motors								4,000	-	4,000	
Boys Totem Town Campus	Repair Door Delay System									10,000	10,000	
Boys Totem Town Campus	Upgrade Security Camera Servers									15,000	15,000	
Boys Totem Town Campus	Repair Electronic Gate for Kohler Hall									2,000	2,000	
<b>TOTAL BOYS TOTEM TOWN CAMPUS</b>					<b>1,241,000</b>	<b>260,000</b>	<b>124,000</b>	<b>530,000</b>	<b>50,000</b>	<b>54,000</b>	<b>27,000</b>	<b>2,286,000</b>
		Funded			(215,600)							(215,600)
		NET			1,025,400	260,000	124,000	530,000	50,000	54,000	27,000	2,070,400

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANK** \_\_\_\_\_  
Yes \_\_\_\_\_ No \_\_\_\_\_

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)		
<b>Code #:</b> Extension Barn 760000	<b>Item:</b> Building Improvements (CCAMPP)	Or ROUTINE (Maintenance)		

<b>Account:</b>	441201____ 441212____	<b>Dept Priority</b>			
	441202____ OTHER_____	<b>Number:</b>	_____	CM Rating	CIPAC Rating

**PROJECT DESCRIPTION:**

Scheduled replacement of building components (e.g. exterior brick, boiler, controls) and grounds elements (e.g. parking lots and sidewalks) are based on predictable life cycles. The items included in this category have or will reach a scheduled end of life by 2023.

FUNDING SOURCE:	Total All Years	ESTIMATED COST					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 208,800	\$ 46,800	\$ 45,000	\$ 14,000	\$ 10,000	\$ -	\$ 93,000
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 208,800</b>	<b>\$ 46,800</b>	<b>\$ 45,000</b>	<b>\$ 14,000</b>	<b>\$ 10,000</b>	<b>\$ -</b>	<b>\$ 93,000</b>

**Who Prepared Cost Estimate:** Staff (based on recent project costs) **Date of Estimate:** Jan-15

**NARRATIVE JUSTIFICATION:**

In 2004, the Ramsey County Board of Commissioners established a goal: **Ramsey County will implement a Comprehensive Capital Asset Management Preservation Plan (CCAMPP) to maintain high-quality services and maximize return on its public investment.** Subsequently, the County established a uniform life cycle replacement program for buildings and grounds components based on industry standards and best practices. All buildings and grounds were included in the system in order to quantify life cycle costs for each facility. The Department has updated this system to reflect life cycle replacements that have been implemented through projects funded under the County's Capital Improvement Program, CCAMPP (levy) and other programs. In addition, the Department maintains a building and grounds condition report for each facility that is updated to document improvements, life cycle replacements and general condition of major components. Following the scheduled life cycle for replacement of buildings and grounds components enables the Department to maintain quality services and preserve the assets of the County. The 2016 column involving County funds includes scheduled amounts in 2016 (\$66,000) plus the total backlog of the unfunded scheduled projects prior to 2016 (\$110,000).

EVALUATION CRITERIA:	Yes	No	Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____ (in some instances)	<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____	_____	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	_____	<u>X</u>	_____
6. Protect Property	<u>X</u>	_____	_____	_____
			<u>X</u>	_____
			_____	_____

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

**Department Name &**

**Project Title or**

**Code #:** Extension Barn 760000

**Item:** Building Improvements (CCAMPP)

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Deferral of scheduled life cycle replacements will result in deterioration of the buildings and grounds; require extraordinary operating expenses for remedial repair and maintenance of failed components; reflect negatively on the County's image and ultimately result in the loss of the intended public services because facilities are no longer functional.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?      Yes X      No \_\_\_\_\_      When? CCAMPP Appropriations 2006-2015  
If project was funded, are carryover funds available?      Yes \_\_\_\_\_      No \_\_\_\_\_  
Year(s) and amounts budgeted and expended      Year(s) \_\_\_\_\_      Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Deferral of scheduled life cycle replacements places extraordinary demand on operating budgets in order to maintain and repair antiquated components. Since all of the items are included in this request are scheduled life cycle maintenance items, they are part of the current capital asset management system.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Various based on projected life cycle for each component (see schedules on attached spreadsheets).

**Estimated Useful Life:**      Various based on the life cycle and building manager prioritization.

**Estimated Payback Period:**      \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

**COUNTY MANAGER COMMENTS:**

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
Extension Barn	Painting and Remodeling	New		12,000	-	-	-	-	-	12,000
Extension Barn	Electrical System Upgrades	26.00	2.00	10,000	-	-	-	-	-	10,000
Extension Barn	Parking Lot Repairs	New		8,000	-	-	-	-	-	8,000
Extension Barn	Card Access, Intrusion Alarm ,Fire Alarm Panel	28.00	2&3	7,000	-	-	-	-	-	7,000
Extension Barn	Building Automation Upgrades	New		5,000	-	-	-	-	-	5,000
Extension Barn	Dormer Glass replacement	New		4,800	-	-	-	-	-	4,800
Extension Barn	Restrooms	New		-	25,000	-	-	-	-	25,000
Extension Barn	Kitchen Remodel	New		-	20,000	-	-	-	-	20,000
Extension Barn	Exterior Steps and Ramp	New		-	-	12,000	-	-	-	12,000
Extension Barn	Tankless Water Heater	22.00	2.00	-	-	2,000	-	-	-	2,000
Extension Barn	Heating, Ventilating and Air Conditioning Upgrades	23.00	8.00	-	-	-	10,000	-	-	10,000
Extension Barn	Dormer/Siding	5.00	4.00	-	-	-	-	-	40,000	40,000
Extension Barn	Gutters / Downspouts	5.00	5.00	-	-	-	-	-	30,000	30,000
Extension Barn	Soffit and Fascia	5.00	3.00	-	-	-	-	-	23,000	23,000
<b>TOTAL EXTENSION BARN</b>				<b>46,800</b>	<b>45,000</b>	<b>14,000</b>	<b>10,000</b>	<b>-</b>	<b>93,000</b>	<b>208,800</b>

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**COMBINED RANK** \_\_\_\_\_  
Yes \_\_\_\_\_ No \_\_\_\_\_

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)		
		Or ROUTINE (Maintenance)		
<b>Code #:</b> Family Service Center 350000	<b>Item:</b> Building Improvements (CCAMPP)		<u>X</u>	

<b>Account:</b> 441201____ 441212____	<b>Dept Priority</b>			
441202____ OTHER_____	<b>Number:</b> _____	CM Rating _____	CIPAC Rating _____	

**PROJECT DESCRIPTION:**

Scheduled replacement of building components (e.g. roof systems, pumps, play equipment, etc.) are based on predictable life cycles. The items included in this category have or will reach a scheduled end of life by 2023.

FUNDING SOURCE:	Total All Years	ESTIMATED COST					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 871,200	\$ 367,200	\$ 110,000	\$ 149,000	\$ 22,000	\$ 168,000	\$ 55,000
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 871,200</b>	<b>\$ 367,200</b>	<b>\$ 110,000</b>	<b>\$ 149,000</b>	<b>\$ 22,000</b>	<b>\$ 168,000</b>	<b>\$ 55,000</b>

**Who Prepared Cost Estimate:** Staff (based on recent project costs) **Date of Estimate:** Jan-15

**NARRATIVE JUSTIFICATION:**

In 2004, the Ramsey County Board of Commissioners established a goal: **Ramsey County will implement a Comprehensive Capital Asset Management Preservation Plan (CCAMPP) to maintain high-quality services and maximize return on its public investment.** Subsequently, the County established a uniform life cycle replacement program for buildings and grounds components based on industry standards and best practices. All buildings and grounds were included in the system in order to quantify life cycle costs for each facility. The Department has updated this system to reflect life cycle replacements that have been implemented through projects funded under the County's Capital Improvement Program, CCAMPP (levy) and other programs. In addition, the Department maintains a building and grounds condition report for each facility that is updated to document improvements, life cycle replacements and general condition of major components. Following the scheduled life cycle for replacement of buildings and grounds components enables the Department to maintain quality services and preserve the assets of the County. The 2016 column involving County funds includes scheduled amounts in 2016 (\$113,050) plus the total backlog of the unfunded scheduled projects prior to 2016 (\$128,000). The social services program offered at this facility does not contribute to major building project funding - only operations.

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____ (in some instances)	7. Provide Public Service	<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____	8. Provide Public Convenience	_____	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	_____	9. Enhance County Image	<u>X</u>	_____
6. Protect Property	<u>X</u>	_____			



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

**Department Name &**

**Code #:** Family Service Center 350000

**Project Title or**

**Item:** Building Improvements (CCAMPP)

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Deferral of scheduled life cycle replacements will result in deterioration of the buildings and grounds; require extraordinary operating expenses for remedial repair and maintenance of failed components; reflect negatively on the County's image and ultimately result in the loss of the intended public services because facilities are no longer functional.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?

Yes X

No \_\_\_\_\_

When? CCAMPP Appropriations 2006-2015

If project was funded, are carryover funds available?

Yes \_\_\_\_\_

No \_\_\_\_\_

Year(s) and amounts budgeted and expended

Year(s) \_\_\_\_\_

Account Code \_\_\_\_\_

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Deferral of scheduled life cycle replacements places extraordinary demand on operating budgets in order to maintain and repair antiquated components. Since all of the items are included in this request are scheduled life cycle maintenance items, they are part of the current capital asset management system.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Various based on projected life cycle for each component (see schedules on attached spreadsheets).

**Estimated Useful Life:** Various based on the life cycle and building manager prioritization.

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

**COUNTY MANAGER COMMENTS:**

PROPERTY MANAGEMENT BUILDING IMPROVEMENT PLANS 2018 - 2023

BUILDING NAME	PROJECT NAME	PLEASE REFERENCE FROM CCAMPP		2018	2019	2020	2021	2022	2023	TOTAL
		DIVISION	ITEM NO.							
Family Service Center	Cameras	28.00	3.00	20,000	-	-	-	-	-	20,000
Family Service Center	Kitchen MUA/Exhaust/Ansel System	23.00	7.00	12,500	-	-	-	-	-	12,500
Family Service Center	Roof Replacement	7.00	1.00	200,000	-	-	-	-	-	200,000
Family Service Center	Electrical Service, Emergency Generator /Transfer Switch	New		49,500	-	-	-	-	-	49,500
Family Service Center	Lighting Upgrade LED	26.00	1&2	37,800	-	-	-	-	-	37,800
Family Service Center	Makeup Air Unit	23.00	4.00	25,000	-	-	-	-	-	25,000
Family Service Center	Tile Flooring, Kitchen, Dining, Restrooms	9.00	2&4	20,000	65,000	-	-	-	-	85,000
Family Service Center	Motors	New		2,400	-	-	-	-	-	2,400
Family Service Center	Playground Equipment	32.00	2.00	-	20,000	-	-	-	-	20,000
Family Service Center	BAS Upgrade	25.00	1.00	-	10,000	-	-	-	-	10,000
Family Service Center	Food Service Storage Area Split Unit	23.00	6.00	-	8,000	-	-	-	-	8,000
Family Service Center	Trash Enclosure	New		-	7,000	-	-	-	-	7,000
Family Service Center	Window Replacement	8.00	1.00	-	-	90,000	-	-	-	90,000
Family Service Center	Hard Flooring Resident Rooms/Restrooms	9.00	3.00	-	-	40,000	-	-	-	40,000
Family Service Center	Door Hardware	8.00	2.00	-	-	17,000	-	-	-	17,000
Family Service Center	Water Coolers and Fountains	New		-	-	2,000	-	-	-	2,000
Family Service Center	Pumps	New		-	-	-	15,000	-	-	15,000
Family Service Center	Sidewalks	New		-	-	-	7,000	-	-	7,000
Family Service Center	Chiller Replacement	23.00	2&3	-	-	-	-	100,000	-	100,000
Family Service Center	Boilers	23.00	1.00	-	-	-	-	30,000	-	30,000
Family Service Center	Panic Button	28.00	2.00	-	-	-	-	30,000	-	30,000
Family Service Center	Washer/Dryer Vent Piping	New		-	-	-	-	8,000	-	8,000
Family Service Center	Hallway Wainscoating	New		-	-	-	-	-	35,000	35,000
Family Service Center	Fence	32.00	1.00	-	-	-	-	-	20,000	20,000
<b>TOTAL FAMILY SERVICE CENTER</b>				<b>367,200</b>	<b>110,000</b>	<b>149,000</b>	<b>22,000</b>	<b>168,000</b>	<b>55,000</b>	<b>871,200</b>

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

Yes                      No

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	_____	
		Or ROUTINE (Maintenance)	_____	
<b>Code #:</b> Landmark Center 720000	<b>Item:</b> Building Improvements (CCAMPP)		<u>X</u>	_____

<b>Account:</b>	441201____ 441212____	<b>Dept Priority</b>			
	441202____ OTHER_____	<b>Number:</b>	_____	CM Rating	CIPAC Rating _____

**PROJECT DESCRIPTION:**

Scheduled replacement of building components (e.g. atrium, water pump, HVAC systems, flooring) and grounds elements (sidewalks) are based on predictable life cycles. The items included in this category have or will reach a scheduled end of life by 2023.

FUNDING SOURCE:	Total All Years	ESTIMATED COST					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 2,360,800	\$ 736,600	\$ 373,500	\$ 203,700	\$ 310,000	\$ 482,000	\$ 255,000
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Totals (Project/Item Funding)</b>	<b>\$ 2,360,800</b>	<b>\$ 736,600</b>	<b>\$ 373,500</b>	<b>\$ 203,700</b>	<b>\$ 310,000</b>	<b>\$ 482,000</b>	<b>\$ 255,000</b>

**Who Prepared Cost Estimate:** Staff (based on recent project costs)

**Date of Estimate:** Jan-15

**NARRATIVE JUSTIFICATION:**

In 2004, the Ramsey County Board of Commissioners established a goal: **Ramsey County will implement a Comprehensive Capital Asset Management Preservation Plan (CCAMPP) to maintain high-quality services and maximize return on its public investment.** Subsequently, the County established a uniform life cycle replacement program for buildings and grounds components based on industry standards and best practices. All buildings and grounds were included in the system in order to quantify life cycle costs for each facility. The Department has updated this system to reflect life cycle replacements that have been implemented through projects funded under the County's Capital Improvement Program, CCAMPP (levy) and other programs. In addition, the Department maintains a building and grounds condition report for each facility that is updated to document improvements, life cycle replacements and general condition of major components. Following the scheduled life cycle for replacement of buildings and grounds components enables the Department to maintain quality services and preserve the assets of the County. The 2018 column involving County funds includes scheduled amounts in 2018 (\$583,000) plus the total backlog of the unfunded scheduled projects prior to 2018 (\$153,600).

**EVALUATION CRITERIA:**

	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	_____	(in some instances)	<u>X</u>	_____
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	_____		_____	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	_____		<u>X</u>	_____
6. Protect Property	<u>X</u>	_____		_____	_____
			7. Provide Public Service	<u>X</u>	_____
			8. Provide Public Convenience	_____	<u>X</u>
			9. Enhance County Image	<u>X</u>	_____

**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

**Department Name &**

**Project Title or**

**Code #:** Landmark Center 720000

**Item:** Building Improvements (CCAMPP)

**CONSEQUENCES OF NOT FUNDING THIS PROJECT:**

Deferral of scheduled life cycle replacements will result in deterioration of the buildings and grounds; require extraordinary operating expenses for remedial repair and maintenance of failed components; reflect negatively on the County's image and ultimately result in the loss of the intended public services because facilities are no longer functional.

**PREVIOUS PROJECT FUNDING:**

Has this project been requested previously?	Yes <u>X</u>	No _____	When? <u>CCAMPP Appropriations 2006-2017</u>
If project was funded, are carryover funds available?	Yes _____	No _____	
Year(s) and amounts budgeted and expended	Year(s) _____	Account Code _____	

**IMPACT ON FUTURE OPERATING COSTS: (Be Specific!) (If PROJECT IS NEW (Non-Routine), PLEASE include FUTURE LIFE CYCLE MAINTENANCE COSTS.)**

Deferral of scheduled life cycle replacements places extraordinary demand on operating budgets in order to maintain and repair antiquated components. Since all of the items are included in this request as scheduled life cycle maintenance items, they are part of the current capital asset management system.

**IMPACT ON FUTURE REVENUES: (Be Specific!)**

Various based on projected life cycle for each component (see schedules on attached spreadsheets).

**Estimated Useful Life:** Various based on the life cycle schedules on the attached spreadsheets.

**Estimated Payback Period:** \_\_\_\_\_ (Based on estimated cost reductions/revenue increases or estimated productivity improvements.)

**CIPAC COMMENTS:**

**COUNTY MANAGER COMMENTS:**

BUILDING IMPROVEMENT PLANS PRE-2018 - 2023

FACILITY NAME	PROJECT NAME	REFERENCE FROM CCAMPP		ESTIMATED COST							TOTAL
		DIVISION	ITEM NO.	PRE- 2018	2018	2019	2020	2021	2022	2023	
Landmark Center	Skylight repair glazing	8.00	5.00	45,000	-	-	-	-	-	-	45,000
Landmark Center	2nd floor AHU unit replacement/revamp			58,000	-	-	-	-	-	-	58,000
Landmark Center	Restroom renovation (complete)	9.00	7.00	175,000	150,000	-	-	-	-	-	325,000
Landmark Center	Handicap lift - major service	14.00	1.00	103,000	-	-	-	-	-	-	103,000
Landmark Center	North, South and West side sidewalk repair	3.00	1.00	-	105,000	-	-	-	-	-	105,000
Landmark Center	North Tower Masonry Repair				210,000	210,000					420,000
Landmark Center	Plumbing Replacement			20,000	20,000	20,000	20,000	20,000	20,000	20,000	140,000
Landmark Center	Loading dock upgrades/resurfacing			-	-	30,000	-	-	-	-	30,000
Landmark Center	Exterior copper ornament restoration	5.00	1.00	-	-	-	-	130,000	-	-	130,000
Landmark Center	Replace exterior lighting in vestibules	26.00	7.00	-	-	85,000	-	-	-	-	85,000
Landmark Center	VFD replacements (3 remaining units)	23.00	1.00	-	98,000	28,500	-	-	-	-	126,500
Landmark Center	Copper flashing @ mansard roof	5.00	4.00	120,000	-	-	-	-	-	-	120,000
Landmark Center	Carpet replacement (1st, bsmt)	9.00	1.00	-	-	-	148,700	-	-	-	148,700
Landmark Center	Security system - upgrade	28.00	1.00	-	-	-	35,000	-	-	-	35,000
Landmark Center	Stairwell Restoration (2) - paint/plaster			-	-	-	-	35,000	-	-	35,000
Landmark Center	Refinish interior oak doors - 320 units	6.00	3.00	-	-	-	-	125,000	-	-	125,000
Landmark Center	BAS upgrade	25.00	1.00	-	-	-	-	-	-	85,000	85,000
Landmark Center	Interior stone repairs in cortile and public areas	4.00	3.00	-	-	-	-	-	100,000	-	100,000
Landmark Center	Basement hall carpet replacement	9.00	2.00	-	-	-	-	-	81,000	-	81,000
Landmark Center	Repair/Replace clockworks as needed	10.00	1.00	-	-	-	-	-	30,000	-	30,000
Landmark Center	Replace electric panels			-	-	-	-	-	116,000	-	116,000
Landmark Center	Upgrade Fire Alarm System	28.00	2.00	-	-	-	-	-	135,000	135,000	270,000
Landmark Center	Energy Inserts for Decorative Windows			-	-	-	-	-	-	15,000	15,000
				-	-	-	-	-	-	-	-
<b>TOTAL LANDMARK CENTER</b>				<b>521,000</b>	<b>583,000</b>	<b>373,500</b>	<b>203,700</b>	<b>310,000</b>	<b>482,000</b>	<b>255,000</b>	<b>2,728,200</b>
Funded				(367,400)							(367,400)
NET				153,600	583,000	373,500	203,700	310,000	482,000	255,000	2,360,800

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

COMBINED RANK \_\_\_\_\_

<b>Department Name &amp;</b>	<b>Project Title or</b>	NON-ROUTINE (New/Renovation)	Yes	No
		Or ROUTINE (Maintenance)	___	___
<b>Code #:</b> <u>Parks &amp; Recreation/660000</u>	<b>Item:</b> <u>Building Improvements (CCAMPP)</u>		<u>X</u>	___

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<b>Account:</b> 441201 ___ 441212 ___	<b>Dept Priority</b>			
441202 ___ OTHER _____	<b>Number:</b> _____	CM Rating _____	CIPAC Rating _____	

**PROJECT DESCRIPTION:**

Scheduled replacement of building components (e.g. roof systems, HVAC systems, flooring) and grounds elements (e.g. bituminous roads, parking lots, sidewalks) are based on predictable life cycles. The items included in this category have a scheduled life of less than 10 years or a value of less than \$50,000. Projects identified under the "State Funds" funding source are within the regional park system and are funded through State appropriations based on a statutory formula (see attached summary and detailed spreadsheets).

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 2,353,242	\$ 1,011,010	\$ 177,286	\$ 185,482	\$ 343,597	\$ 281,860	\$ 354,007
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ 2,105,293	1,424,420	54,645	257,871	140,397	102,210	125,750
Other (Specify): Woodbury Hockey Assoc.	\$ 150,000	25,000	25,000	25,000	25,000	25,000	25,000
<b>Totals (Project/Item Funding)</b>	<b>\$ 4,608,535</b>	<b>\$ 2,460,430</b>	<b>\$ 256,931</b>	<b>\$ 468,353</b>	<b>\$ 508,994</b>	<b>\$ 409,070</b>	<b>\$ 504,757</b>

**Who Prepared Cost Estimate:** Staff (based on recent project costs)      **Date of Estimate:** Jan-13

**NARRATIVE JUSTIFICATION:**

In 2004, the Ramsey County Board of Commissioners established a goal: **Ramsey County will implement a Comprehensive Capital Asset Management Preservation Plan (CCAMPP) to maintain high-quality services and maximize return on its public investment.** Subsequently, the County established a uniform life cycle replacement program for buildings and grounds components based on industry standards and best practices. All parks and recreation buildings and grounds were included in the system in order quantify life cycle costs for each facility. The Department has annually updated this system to reflect life cycle replacements that have been implemented through projects funded under the County's Capital Improvement Program, CCAMPP (levy) and State appropriations for regional parks. In addition, the Department maintains a building and grounds condition report for each facility that is updated annually to document improvements, life cycle replacements and general condition of major components. Following the scheduled life cycle for replacement of buildings and grounds components enables the Department to maintain quality services and preserve the assets of the County. The 2018 column involving County funds includes scheduled amounts in 2017 and 2018, plus the total outstanding backlog, less the 2017 allocation of \$697,400. For regional parks State funds are the anticipated funding source. The backlog for regional parks is distributed to various years to reflect projected cash flow.

EVALUATION CRITERIA:	Yes	No		Yes	No
1 & 2. Protect Life/Safety or Maintain Public Health	<u>X</u>	___ (in some instances)	7. Provide Public Service	<u>X</u>	___
3 & 4. Replace Facility or Maintain Physical Property	<u>X</u>	___	8. Provide Public Convenience	___	<u>X</u>
5. Reduce Operating Costs	<u>X</u>	___	9. Enhance County Image	<u>X</u>	___
6. Protect Property	<u>X</u>	___			





ADMIN BUILDING - CCAMP

2/13/2017

Loc	Subsystem Description	Funded	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020	2021
Admin Bldg	Air Compressor (1)	2010 CCAMP	2010	12	2022	\$3,000	0	0	0	0	0	0
Admin Bldg	Card Access System		2015	15	2030	\$20,000	0	0	0	0	0	0
Admin Bldg	Carpet-1st Floor	2010 CCAMP	2010	10	2020	\$10,165	0	0	0	0	10,165	0
Admin Bldg	Carpet-2nd Floor	2008 CCAMP	2009	10	2019	\$16,200	0	0	0	16,200	0	0
Admin Bldg	Caulk Exterior Block and Fascia	2006 CIP/REG REHAB	2007	15	2022	\$8,600	0	0	0	0	0	0
Admin Bldg	Dust Collector		1985	12	1997	\$2,300	2,300	0	0	0	0	0
Admin Bldg	Elevator	2015 CCAMP/REG REHAB	1985	30	2015	\$48,000	48,000	0	0	0	0	0
Admin Bldg	Floor Seal - Shop	2015 CCAMP/REG REHAB	1985	7	1992	\$15,000	15,000	0	0	0	0	0
Admin Bldg	Floor Seal-Wash Bay	2015 CCAMP/REG REHAB	1985	7	1992	\$15,000	15,000	0	0	0	0	0
Admin Bldg	Floor Seal-Cold Storage	2015 CCAMP/REG REHAB	1985	7	1992	\$15,000	15,000	0	0	0	0	0
Admin Bldg	Epoxy Cement Floor-Warm Storage	2014 CCAMP/REG REHAB		7		\$15,000	0	0	0	0	0	0
Admin Bldg	Exhaust Fan-Cold Storage		1985	25	2010	\$8,100	8,100	0	0	0	0	0
Admin Bldg	Exhaust Fan-Shop Area		1985	20	2005	\$6,200	6,200	0	0	0	0	0
Admin Bldg	Exterior OH Doors (7)	2011 CCAMP	2011	20	2031	\$41,706	0	0	0	0	0	0
Admin Bldg	Exterior OH Doors (2)	2010 CCAMP	2010	20	2030	\$14,078	0	0	0	0	0	0
Admin Bldg	Exterior Pre-Cast Walls Caulking		1985	30	2015	\$26,500	26,500	0	0	0	0	0
Admin Bldg	Exterior Steel Doors (6)	2010 CCAMP	2010	20	2030	\$10,500	0	0	0	0	0	0
Admin Bldg	Exterior Steel Fascia	2006 CIP/REG REHAB	2007	20	2027	\$23,000	0	0	0	0	0	0
Admin Bldg	Faucets (added 12/2011)	2012 CCAMP/REG REHAB	2013	20	2033	\$1,420	0	0	0	0	0	0
Admin Bldg	Fire Supression System Controller		1985	15	2000	\$15,000	15,000	0	0	0	0	0
Admin Bldg	Forced Air Furnaces (7)/Air Conditione	2010 CCAMP	2010	20	2030	\$39,466	0	0	0	0	0	0
Admin Bldg	Frame Hoist (1)		1985	25	2010	\$15,000	15,000	0	0	0	0	0
Admin Bldg	Frame Hoist (1) - Small Engine Lift	2008 OPERATING BUDGET	2008	20	2028	\$5,639	0	0	0	0	0	0
Admin Bldg	Gas Pumps (2)	2014 CIP/REG REHAB	2000	15	2015	\$12,000	12,000	0	0	0	0	0
Admin Bldg	Gas Pumps (1)	2010 CCAMP/2014 CIP/CCAMP	2010	15	2025	\$4,700	0	0	0	0	0	0
Admin Bldg	Gas Pump Monitoring Unit		1985	20	2005	\$10,000	10,000	0	0	0	0	0
Admin Bldg	LED Light Fixures - Exterior		2014	15	2029	\$10,000	0	0	0	0	0	0
Admin Bldg	LED Light Fixures - Basement		2016	15	2031	\$5,000	0	0	0	0	0	0
Admin Bldg	Overhead Monorails (3)		1985	30	2015	\$11,400	11,400	0	0	0	0	0
Admin Bldg	Paint Exterior T-Panels	2006 CIP/REG REHAB	2007	20	2027	\$18,500	0	0	0	0	0	0
Admin Bldg	Paint Exterior Walls	2006 CIP/REG REHAB	2008	20	2028	\$12,900	0	0	0	0	0	0
Admin Bldg	Paint Interior Walls		1985	10	1995	\$16,400	16,400	0	0	0	0	0
Admin Bldg	Platform Hoists (2)		1985	30	2015	\$22,000	22,000	0	0	0	0	0
Admin Bldg	Platform Hoists (Goodrich)		1985	30	2015	\$11,000	11,000	0	0	0	0	0
Admin Bldg	Polebarn-Painting Exterior	2014 CCAMP/REG REHAB	2016	20	2036	\$16,640	0	0	0	0	0	0
Admin Bldg	Radiant heaters (10)	2012 CCAMP/REG REHAB	2013	20	2033	\$17,950	0	0	0	0	0	0
Admin Bldg	Re-Coat Cement Floors	2008 CIP/REG REHAB	2008	10	2018	\$26,800	0	0	26,800	0	0	0
Admin Bldg	Roof Top Unit-Carpenter Shop	2006 CIP/REG REHAB	2007	20	2027	\$17,000	0	0	0	0	0	0
Admin Bldg	Roof Top Unit-King	2006 CIP/REG REHAB	2008	25	2033	\$27,300	0	0	0	0	0	0
Admin Bldg	Roof Top Unit-Restroom	2006 CIP/REG REHAB	2007	20	2027	\$17,000	0	0	0	0	0	0
Admin Bldg	Security System	2015 CCAMP/REG REHAB	2015	10	2025	\$8,900	0	0	0	0	0	0
Admin Bldg	Sinks (15)		1985	20	2005	\$7,580	7,580	0	0	0	0	0
Admin Bldg	Tile Floor Grout - Lunchroom	2015 CCAMP/REG REHAB	2015	5	2020	\$2,000	0	0	0	0	2,000	0
Admin Bldg	Tile Floor Grout - East Hallway	2015 CCAMP/REG REHAB	2015	5	2020	\$1,500	0	0	0	0	1,500	0
Admin Bldg	Tile Floor Grout - Breakroom		1985	5	1990	\$5,000	5,000	0	0	0	0	0
Admin Bldg	Tile Floor Grout - Women's Locker		1985	5	1990	\$2,000	2,000	0	0	0	0	0
Admin Bldg	Tile Floor Grout - Men's Locker		1985	5	1990	\$2,000	2,000	0	0	0	0	0
Admin Bldg	Tile Floor Grout - East, West, Main Entrances		1985	5	1990	\$2,000	2,000	0	0	0	0	0
Admin Bldg	Tile Floor Grout - 2nd Fl. Restrooms		1985	5	1990	\$1,500	1,500	0	0	0	0	0
Admin Bldg	Toilet Partitions	2011 CCAMP	2011	25	2036	\$12,617	0	0	0	0	0	0
Admin Bldg	Unit Heaters (4)		1985	20	2005	\$5,600	5,600	0	0	0	0	0
Admin Bldg	Walkways		1985	50	2035	\$15,500	0	0	0	0	0	0
Admin Bldg	Water Heater	2008 CIP/REG REHAB	2008	20	2028	\$2,300	0	0	0	0	0	0
				311			274,580	0	26,800	16,200	13,665	0

ICE ARENAS - CCAMP

2/13/2017

Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020	2021
Aldrich Arena	Back-up Generator		1962	50	2012	\$24,200	24,200	0	0	0	0	0
Aldrich Arena	Bleacher Seats		2000	20	2020	\$19,000	0	0	0	0	19,000	0
Aldrich Arena	Boiler Hatch		2016	25	2041	\$3,000	0	0	0	0	0	0
Aldrich Arena	Card Access System		2016	20	2036	\$3,500	0	0	0	0	0	0
Aldrich Arena	Carpet-Meeting Room	2011 CCAMP	2011	10	2021	\$4,637	0	0	0	0	0	4,637
Aldrich Arena	Caulk exterior block and fascia	2011 CCAMP	2011	20	2031	\$8,600	0	0	0	0	0	0
Aldrich Arena	Drinking Fountains		1993	20	2013	\$7,500	7,500	0	0	0	0	0
Aldrich Arena	Elevator		2015	30	2045	\$30,000	0	0	0	0	0	0
Aldrich Arena	Entrance Frames	added 12-2013					0	0	0	0	0	0
Aldrich Arena	Epoxy Floors	added 12-2013					0	0	0	0	0	0
Aldrich Arena	Exterior block walls	will not replace	1962	100	2062	\$37,500	0	0	0	0	0	0
Aldrich Arena	Exterior Steel doors		2001	20	2021	\$32,000	0	0	0	0	0	32,000
Aldrich Arena	Snow Melt Pit Pipes	2009 CIP	2009	25	2034	\$12,000	0	0	0	0	0	0
Aldrich Arena	Exhaust fans		1993	25	2018	\$9,300	0	0	9,300	0	0	0
Aldrich Arena	Exterior block walls repaint	2011 CCAMP	2012	15	2027	\$19,750	0	0	0	0	0	0
Aldrich Arena	Exterior OH Door	2010 CCAMP	2010	20	2030	\$8,100	0	0	0	0	0	0
Aldrich Arena	Exterior Sign Panels	2013 CCAMP				\$9,892	0	0	0	0	0	0
Aldrich Arena	Exterior steel fascia repaint	2010 CCAMP	2012	15	2027	\$13,000	0	0	0	0	0	0
Aldrich Arena	Glycol pumps (2)		2007	20	2027	\$8,800	0	0	0	0	0	0
Aldrich Arena	Heater/Airconditioner (Conf. Rm)		1989	20	2009	\$3,500	3,500	0	0	0	0	0
Aldrich Arena	Paint interior walls	2015 CCAMP	2015	10	2025	\$48,000	0	0	0	0	0	0
Aldrich Arena	Rink lights	2008 CIP	2009	20	2029	\$14,000	0	0	0	0	0	0
Aldrich Arena	Scoreboard (2)		2001	12	2013	\$15,600	15,600	0	0	0	0	0
Aldrich Arena	Security system	2015 CCAMP	2015	10	2025	\$3,500	0	0	0	0	0	0
Aldrich Arena	Sinks & Faucets (24)	2012 CCAMP	2012	20	2032	\$2,840	0	0	0	0	0	0
Aldrich Arena	Skate Tile		2004	10	2014	\$35,600	35,600	0	0	0	0	0
Aldrich Arena	Skate Tile-West Rink Access	2014 CCAMP	2014	5	2019	\$6,864	0	0	0	6,864	0	0
Aldrich Arena	Skate Tile-Player's Box	2014 CCAMP	2014	5	2019	\$2,678	0	0	0	2,678	0	0
Aldrich Arena	Sound system	2010 CCAMP	2010	15	2025	\$5,600	0	0	0	0	0	0
Aldrich Arena	Steam heaters in lobby (3)		1991	30	2021	\$4,600	0	0	0	0	0	4,600
Aldrich Arena	Steam heaters in restrooms (4)	2010 CCAMP	2010	30	2040	\$14,000	0	0	0	0	0	0
Aldrich Arena	Telephone System	2012 CCAMP	2012	15	2027	\$4,393	0	0	0	0	0	0
Aldrich Arena	Toilet partitions		2016	25	2041	\$2,000	0	0	0	0	0	0
Aldrich Arena	Wireless infrastructure		2015	15	2030	\$2,800	0	0	0	0	0	0
Aldrich Arena	Water heater		2009	20	2029	\$3,270	0	0	0	0	0	0
Aldrich Arena	Water heater	2010 CCAMP/2013 CCAMP	2013	20	2033	\$4,288	0	0	0	0	0	0
							86,400	0	9,300	9,542	19,000	41,237
Biff Adams Arena	Caulk pre-cast panels	2014 CCAMP	2014	15	2029	\$8,050	8,000	0	0	0	0	0
Biff Adams Arena	Doors-Exterior	2014 CCAMP	2014	20	2034	\$17,000	8,000	0	0	0	0	0
Biff Adams Arena	Walkways		1973	50	2023	\$4,700	0	0	0	0	0	0
							16,000	0	0	0	0	0
Harding Arena	Bleachers		1975	30	2005	\$16,000	16,000	0	0	0	0	0
Harding Arena	Card Access System		2016	20	2036	\$2,600	0	0	0	0	0	0
Harding Arena	Chillers (2)	2007 CIP	2008	20	2028	\$28,000	0	0	0	0	0	0
Harding Arena	Exhaust fans		1975	25	2000	\$9,300	9,300	0	0	0	0	0
Harding Arena	Exterior facing brick	will not replace	1975	100	2075	\$37,500	0	0	0	0	0	0
Harding Arena	Exterior OH Door	2012 WHA	2012	25	2037	\$5,104	0	0	0	0	0	0
Harding Arena	Exterior Steel doors (6)	2012 WHA	2012	25	2037	\$21,858	0	0	0	0	0	0
Harding Arena	Fire Supression System		1975	50	2025	\$135,000	0	0	0	0	0	0
Harding Arena	Furnace - Lobby (2)	2009 CCAMP	2009	20	2029	\$13,000	0	0	0	0	0	0
Harding Arena	Furnace - Team Room (1)	2012 WHA	2012	20	2032	\$4,200	0	0	0	0	0	0
Harding Arena	Furnace - Training Room (1)	2012 WHA	2012	20	2032	\$3,600	0	0	0	0	0	0
Harding Arena	Glycol pumps (2)	2007 CIP	2008	20	2028	\$3,800	0	0	0	0	0	0

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Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020	2021
Harding Arena	Interior OH Door	2012 WHA	2012	25	2037	\$3,301	0	0	0	0	0	0
Harding Arena	Interior steel doors	2011 WHA	2012	25	2037	\$17,465	0	0	0	0	0	0
Harding Arena	Light Guards-Mezzanine	2014 WHA	2014	20	2034	\$3,000	0	0	0	0	0	0
Harding Arena	Lobby Doors		2004	15	2019	\$3,000	0	0	0	3,000	0	0
Harding Arena	Paint Interior Roof Deck	2012 CIP	2012	15	2027	\$19,368	0	0	0	0	0	0
Harding Arena	Radiant heaters (3)	2012 WHA	2012	20	2032	\$1,795	0	0	0	0	0	0
Harding Arena	Rink Lights		2005	20	2025	\$9,000	0	0	0	0	0	0
Harding Arena	Scoreboard	2010 CCAMP	2010	12	2022	\$5,000	0	0	0	0	0	0
Harding Arena	Security System	2015 CCAMP	2015	10	2025	\$3,000	0	0	0	0	0	0
Harding Arena	Sinks & Faucets (6)	2011 WHA (faucets only-\$740)	1975	20	1995	\$2,400	2,400	0	0	0	0	0
Harding Arena	Skate Tile	2011 WHA	2011	10	2021	\$31,839	0	0	0	0	0	31,839
Harding Arena	Sound System	2012 WHA	2012	15	2027	\$4,198	0	0	0	0	0	0
Harding Arena	Spillway	2015 CCAMP	1975	20	1995	\$9,000	9,000	0	0	0	0	0
Harding Arena	Toilets	2011 WHA	2011	20	2031	\$1,244	0	0	0	0	0	0
Harding Arena	Toilet partitions	2011 WHA	2011	25	2036	\$5,161	0	0	0	0	0	0
Harding Arena	Tuck Point Exterior Brick		1975	15	1990	\$8,600	8,600	0	0	0	0	0
Harding Arena	Walkways-Cement	2008 CIP	2008	30	2038	\$10,600	0	0	0	0	0	0
Harding Arena	Water heater	2009 CCAMP	2009	20	2029	\$3,750	0	0	0	0	0	0
							45,300	0	0	3,000	0	31,839
Highland-North	Air Conditioning Units (4)		1998	15	2013		0		0	0	0	0
Highland-North	Bleacher Seats		1998	20	2018	\$16,000	0	0	16,000	0	0	0
Highland-North	Caulk pre-cast panels		1998	15	2013	\$3,200	3,200	0	0	0	0	0
Highland-North	Chillers (2)		1998	20	2018	\$28,000	0	0	28,000	0	0	0
Highland-North	Compressor (1)	2010 CCAMP	2010	20	2030	\$14,000	0	0	0	0	0	0
Highland-North	Compressor Controller	2014 CCAMP	2014	20	2034	\$13,000	0	0	0	0	0	0
Highland-North	Epoxy Recoat-Stairs	2013 CCAMP	2013	10	2023	\$4,941	0	0	0	0	0	0
Highland-North	Epoxy Recoat-Concession		2016	10	2026	\$5,100	0	0	0	0	0	0
Highland-North	Epoxy Recoat-Conc. Closet		1998	10	2008	\$2,000	2,000	0	0	0	0	0
Highland-North	Epoxy Recoat-Lobby	2014 CCAMP	2014	10	2024	\$6,000	0	0	0	0	0	0
Highland-North	Epoxy Recoat-Concourse	2014 CCAMP	2014	10	2024	\$11,000	0	0	0	0	0	0
Highland-North	Exhaust fans		1998	25	2023	\$9,300	0	0	0	0	0	0
Highland-North	Exterior OH Door		1998	25	2023	\$3,200	0	0	0	0	0	0
Highland-North	Exterior Steel doors		1998	25	2023	\$21,000	0	0	0	0	0	0
Highland-North	Flooring-Weight Room	2012 CCAMP	2012	10	2022	\$2,050	0	0	0	0	0	0
Highland-North	Freezer-Concessions	2013 CCAMP	2013	15	2028	\$3,444	0	0	0	0	0	0
Highland-North	Furnace - Team Room	2008 OPER BUDGET	2008	20	2028	\$3,400	0	0	0	0	0	0
Highland-North	Glycol pumps (2)		1998	20	2018	\$5,800	0	0	5,800	0	0	0
Highland-North	Interior OH Door (1)		1998	25	2023	\$3,200	0	0	0	0	0	0
Highland-North	Interior steel doors	2014 CCAMP	2014	25	2039	\$6,700	0	0	0	0	0	0
Highland-North	Lobby Doors (6)	Exterior	1989	25	2014	\$18,000	18,000	0	0	0	0	0
Highland-North	Paint Interior Roof Deck	2014 CCAMP	2014	15	2029	\$15,000	0	0	0	0	0	0
Highland-North	Radiant heaters (4)		2004	20	2024	\$9,100	0	0	0	0	0	0
Highland-North	Rink Lights		2005	20	2025	\$12,000	0	0	0	0	0	0
Highland-North	Roof Top Furnace (3)		1998	20	2018	\$20,400	0	0	20,400	0	0	0
Highland-North	Scoreboard	2013 CCAMP	2013	12	2025	\$5,440	0	0	0	0	0	0
Highland-North	Security system (fire)	2015 CCAMP	1998	20	2018	\$7,400	0	0	7,400	0	0	0
Highland-North	Sinks & Faucets (12)		1998	20	2018	\$4,800	0	0	4,800	0	0	0
Highland-North	Skate Tile	2012 CCAMP	2012	10	2022	\$36,267	0	0	0	0	0	0
Highland-North	Skate Tile-Player's Box	2014 CCAMP	2014	5	2019	\$2,700	0	0	0	2,700	0	0
Highland-North	Sound System	2013 CCAMP	2013	15	2028	\$15,239	0	0	0	0	0	0
Highland-North	Telephone System	2013 CCAMP	2013	15	2028	\$4,771	0	0	0	0	0	0
Highland-North	Toilet partitions		1998	25	2023	\$7,300	0	0	0	0	0	0
Highland-North	Walkways		1998	50	2048	\$15,616	0	0	0	0	0	0
Highland-North	Water heater tank		2016	20	2036	\$12,000	0	0	0	0	0	0
Highland-North	Water heater	2009 CCAMP	2009	20	2029	\$5,794	0	0	0	0	0	0
				313			0	0	82,400	2,700	0	0

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Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020	2021
Highland-South	Bleachers		2002	30	2032	\$16,000	0	0	0	0	0	0
Highland-South	Caulk pre-cast panels	2014 CCAMP	2014	15	2029	\$8,100	0	0	0	0	0	0
Highland-South	Chillers (1)		1998	20	2018	\$28,000	0	0	28,000	0	0	0
Highland-South	Compressor Starters (2)	2014 CCAMP	2014	20	2034	\$12,000	0	0	0	0	0	0
Highland-South	Exhaust fans		1998	25	2023	\$9,300	0	0	0	0	0	0
Highland-South	Exterior Steel doors	2012 CCAMP	2012	20	2032	\$17,257	0	0	0	0	0	0
Highland-South	Furnace-Team Room		1998	20	2018	\$3,400	0	0	3,400	0	0	0
Highland-South	Glycol pumps (2)		1998	20	2018	\$5,800	0	0	5,800	0	0	0
Highland-South	Interior OH Door (Fire)		1993	25	2018	\$3,200	0	0	3,200	0	0	0
Highland-South	Interior OH Door (1)	2012 CCAMP	2012	25	2037	\$3,304	0	0	0	0	0	0
Highland-South	Interior steel doors	2013 CCAMP	2013	25	2038	\$10,971	0	0	0	0	0	0
Highland-South	LED lights - Synthetic ice		1998	15	2013	\$4,000	4,000	0	0	0	0	0
Highland-South	Lobby Furnace (lower lobby)		1998	20	2018	\$6,800	0	0	6,800	0	0	0
Highland-South	Low E Ceiling	2008 CCAMP	2008	15	2023	\$48,500	0	0	0	0	0	0
Highland-South	Radiant heaters (3)	2013 CCAMP	2013	20	2033	\$4,704	0	0	0	0	0	0
Highland-South	Rink Lights		2005	20	2025	\$9,000	0	0	0	0	0	0
Highland-South	Rooftop Heater-Synthetic Ice	2011 CCAMP	2011	20	2031	\$9,144	0	0	0	0	0	0
Highland-South	Scoreboard	2012 CCAMP	2012	12	2024	\$6,465	0	0	0	0	0	0
Highland-South	Sealcoat Rink Floor						0	0	0	0	0	0
Highland-South	Security System (both)	2015 CCAMP	2015	10	2025	\$3,500	0	0	0	0	0	0
Highland-South	Sinks & Faucets (6)	2012 CCAMP	2013	20	2033	\$2,766	0	0	0	0	0	0
Highland-South	Skate Tile	2010 CCAMP	2010	10	2020	\$4,270	0	0	0	0	4,270	0
Highland-South	Skate Tile-Player's Box	2014 CCAMP	2014	5	2019	\$2,700	0	0	0	2,700	0	0
Highland-South	Sound System		1986	15	2001	\$4,800	4,800	0	0	0	0	0
Highland-South	Synthetic Ice		1998	15	2013	\$16,500	16,500	0	0	0	0	0
Highland-South	Toilet partitions	2010 CCAMP	2010	25	2035	\$5,300	0	0	0	0	0	0
Highland-South	Wireless Infrastructure		2015	15	2030	\$2,000	0	0	0	0	0	0
Highland-South	Walkways		1998	30	2028	\$8,280	0	0	0	0	0	0
Highland-South	Water heater		1998	20	2018	\$4,600	0	0	4,600	0	0	0
							25,300	0	51,800	2,700	4,270	0
Oscar Johnson Are	Bleachers		1973	30	2003	\$16,000	16,000	0	0	0	0	0
Oscar Johnson Are	Card Access System		2016	20	2036	\$2,500	0	0	0	0	0	0
Oscar Johnson Are	Caulk exterior block walls	2010 CCAMP (repaired)	2011	15	2026	\$16,000	0	0	0	0	0	0
Oscar Johnson Are	Chillers		2001	20	2021	\$28,000	0	0	0	0	0	28,000
Oscar Johnson Are	Condenser	2012 CIP	2013	20	2033	\$49,997	0	0	0	0	0	0
Oscar Johnson Are	Exhaust fans		1973	25	1998	\$9,300	9,300	0	0	0	0	0
Oscar Johnson Are	Exterior block wall		1971	25	1996	\$16,500	16,500	0	0	0	0	0
Oscar Johnson Are	Exterior OH Door (2)	2012 CCAMP	2012	25	2037	\$4,736	0	0	0	0	0	0
Oscar Johnson Are	Exterior Steel doors	2011 CCAMP	2012	25	2037	\$13,943	0	0	0	0	0	0
Oscar Johnson Are	Furnace-Lobby		1998	20	2018	\$6,800	0	0	6,800	0	0	0
Oscar Johnson Are	Glycol pumps (2)		2001	20	2021	\$5,800	0	0	0	0	0	5,800
Oscar Johnson Are	Interior OH Door	2010 CCAMP	2010	25	2035	\$3,070	0	0	0	0	0	0
Oscar Johnson Are	Interior steel doors	2015 CCAMP	2016	25	2041	\$6,000	0	0	0	0	0	0
Oscar Johnson Are	Lobby Doors		2004	25	2029	\$3,000	0	0	0	0	0	0
Oscar Johnson Are	New security system	2010 CCAMP	2010	20	2030	\$900	0	0	0	0	0	0
Oscar Johnson Are	Nova Brick on south exterior walls		1998	20	2018	\$46,000	0	0	46,000	0	0	0
Oscar Johnson Are	Paint Interior Roof Deck	2012 CIP	2012	15	2027	\$19,368	0	0	0	0	0	0
Oscar Johnson Are	Radiant heaters (4)	replaced in 2009??	2009	20	2029	\$9,100	0	0	0	0	0	0
Oscar Johnson Are	Rink Lights		2005	20	2025	\$9,000	0	0	0	0	0	0
Oscar Johnson Are	Scoreboard	2010 CCAMP	2010	12	2022	\$5,000	0	0	0	0	0	0
Oscar Johnson Are	Security System	2015 CCAMP	2015	10	2025	\$3,000	0	0	0	0	0	0
Oscar Johnson Are	Sinks & Faucets (4)	2011 CCAMP	2011	20	2031	\$998	0	0	0	0	0	0
Oscar Johnson Are	Skate Tile	2011 CCAMP	2011	10	2021	\$31,359	0	0	0	0	0	31,359
Oscar Johnson Are	Skate Tile-Players Boxes	2015 CCAMP	2015	7	2022	\$8,800	0	0	0	0	0	0
Oscar Johnson Are	Sound System	2012 CCAMP	2012	15	2027	\$4,190	0	0	0	0	0	0

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Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020	2021
Oscar Johnson Arel	Team room furnace		1998	20	2018	\$3,400	0	0	3,400	0	0	0
Oscar Johnson Arel	Toilet partitions	2011 CCAMP	2011	25	2036	\$4,047	0	0	0	0	0	0
Oscar Johnson Arel	Toilets	2011 CCAMP	2011	20	2031	\$1,008	0	0	0	0	0	0
Oscar Johnson Arel	Walkways		1998	30	2028	\$2,280	0	0	0	0	0	0
Oscar Johnson Arel	Water heater		2009	20	2029	\$3,750	0	0	0	0	0	0
Oscar Johnson Arel	Window Frame/Glass	2014 CCAMP	2014	30	2044	\$3,085	0	0	0	0	0	0
							41,800	0	56,200	0	0	65,159
Phalen Arena	Brick Tuck Point		1975	15	1990	\$8,600	8,600	0	0	0	0	0
Phalen Arena	Card Access System		2016	20	2036	\$2,800	0	0	0	0	0	0
Phalen Arena	Chillers (2)		2003	20	2023	\$28,000	0	0	0	0	0	0
Phalen Arena	Drinking fountain		2016	15	2031	\$750	0	0	0	0	0	0
Phalen Arena	Exhaust fans		1975	25	2000	\$9,300	9,300	0	0	0	0	0
Phalen Arena	Exterior facing brick	2010 CCAMP	2010	30	2040	\$22,900	0	0	0	0	0	0
Phalen Arena	Exterior OH Door		1975	25	2000	\$3,200	3,200	0	0	0	0	0
Phalen Arena	Exterior Steel doors - rink	2010 CCAMP	2010	25	2035	\$12,700	0	0	0	0	0	0
Phalen Arena	Exterior Steel doors - lobby	2010 CCAMP	2016	25	2041	\$10,500	0	0	0	0	0	0
Phalen Arena	Fire Supression System		1975	50	2025	\$135,000	0	0	0	0	0	0
Phalen Arena	Glycol pumps (2)		2001	20	2021	\$5,800	0	0	0	0	0	5,800
Phalen Arena	Interior OH Door	2012 CCAMP	2012	25	2037	\$1,723	0	0	0	0	0	0
Phalen Arena	Interior steel doors-Lockers	2013 CCAMP	2013	25	2038	\$2,625	0	0	0	0	0	0
Phalen Arena	Interior steel doors-Officials	2013 CCAMP	2013	25	2038	\$1,450	0	0	0	0	0	0
Phalen Arena	Lobby Doors		2005	20	2025	\$3,000	0	0	0	0	0	0
Phalen Arena	Lobby Furnace		1998	20	2018	\$6,800	0	0	6,800	0	0	0
Phalen Arena	Paint Interior Roof Deck	2012 CIP	2012	15	2027	\$19,368	0	0	0	0	0	0
Phalen Arena	Radiant heaters (4)		2005	20	2025	\$9,100	0	0	0	0	0	0
Phalen Arena	Rink Lights		2005	20	2025	\$9,000	0	0	0	0	0	0
Phalen Arena	Scoreboard		2005	12	2017	\$7,800	0	7,800	0	0	0	0
Phalen Arena	Security System	2006 CIP	2015	10	2025	\$5,000	0	0	0	0	0	0
Phalen Arena	Sinks & Faucets (12)		2005	20	2025	\$4,800	0	0	0	0	0	0
Phalen Arena	Skate Tile	2006 CIP/2015 CCAMP	2005	10	2015	\$35,300	35,300	0	0	0	0	0
Phalen Arena	Skate Tile-Players Boxes	2015 CCAMP	2015	7	2022	\$7,000	0	0	0	0	0	0
Phalen Arena	Skate Tile-Office	2015 CCAMP	2015	12	2027	\$3,400	0	0	0	0	0	0
Phalen Arena	Snow Guards	2014 CCAMP	2014	10	2024	\$13,330	0	0	0	0	0	0
Phalen Arena	Sound System		2005	15	2020	\$5,600	0	0	0	0	5,600	0
Phalen Arena	Toilet Partitions	2006 CIP	2005	25	2030	\$8,600	0	0	0	0	0	0
Phalen Arena	Walkways		1975	25	2000	\$10,000	10,000	0	0	0	0	0
Phalen Arena	Water heater	2009 CCAMP	2009	20	2029	\$4,600	0	0	0	0	0	0
Phalen Arena	Window Frame/Transaction Ctr	2014 CCAMP	2014	30	2044	\$2,490	0	0	0	0	0	0
							66,400	7,800	6,800	0	5,600	5,800
Pleasant Arena	Bleachers		2002	30	2032	\$16,000	0	0	0	0	0	0
Pleasant Arena	Card Access System		2016	20	2036	\$3,600	0	0	0	0	0	0
Pleasant Arena	Caulk pre-cast panels	2014 CCAMP	2014	15	2029	\$8,050	0	0	0	0	0	0
Pleasant Arena	Chillers		1996	20	2016	\$28,000	28,000	0	0	0	0	0
Pleasant Arena	Exhaust fans		2004	25	2029	\$9,300	0	0	0	0	0	0
Pleasant Arena	Exterior OH Door	2012 CCAMP	2012	25	2037	\$2,251	0	0	0	0	0	0
Pleasant Arena	Exterior Steel doors	2010 CCAMP	2010	25	2035	\$13,600	0	0	0	0	0	0
Pleasant Arena	Furnace - Lobby	2004 CIP	2006	20	2026	\$6,800	0	0	0	0	0	0
Pleasant Arena	Furnace - Team Room		1998	20	2018	\$3,400	0	0	3,400	0	0	0
Pleasant Arena	Glycol pumps (2)		1996	20	2016	\$5,800	5,800	0	0	0	0	0
Pleasant Arena	Interior OH Door		1989	25	2014	\$3,200	3,200	0	0	0	0	0
Pleasant Arena	Interior steel doors	2013 CCAMP	2013	25	2038	\$2,708	0	0	0	0	0	0
Pleasant Arena	Lobby Doors	OPERATING BUDGET	2006	25	2031	\$3,000	0	0	0	0	0	0
Pleasant Arena	Low E Ceiling	2009 CCAMP	2009	15	2024	\$48,500	0	0	0	0	0	0
Pleasant Arena	Paint Interior Roof Deck	2009 CIP	2009	15	2024	\$19,280	0	0	0	0	0	0
Pleasant Arena	Radiant heaters (7)	2013 CCAMP	2013	20	2033	\$11,363	0	0	0	0	0	0

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Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020	2021
Pleasant Arena	Rink Lights		2005	20	2025	\$9,000	0	0	0	0	0	0
Pleasant Arena	Scoreboard		2001	12	2013	\$4,800	4,800	0	0	0	0	0
Pleasant Arena	Security System	2015 CCAMP	2015	10	2025	\$3,300	0	0	0	0	0	0
Pleasant Arena	Sinks & Faucets (6)	2011 CCAMP	2013	20	2033	\$2,710	0	0	0	0	0	0
Pleasant Arena	Skate Tile - Lobby	2010 CCAMP	2010	10	2020	\$4,470	0	0	0	0	4,470	0
Pleasant Arena	Skate Tile - Team Rooms		2010	10	2020	\$5,000	0	0	0	0	5,000	0
Pleasant Arena	Skate Tile - Lobby Restrooms		2015	10	2025	\$4,100	0	0	0	0	0	0
Pleasant Arena	Sound System		2004	15	2019	\$7,200	0	0	0	7,200	0	0
Pleasant Arena	Toilet partitions		2004	25	2029	\$7,300	0	0	0	0	0	0
Pleasant Arena	Walkways		1973	50	2023	\$2,280	0	0	0	0	0	0
Pleasant Arena	Water heater	2009 CCAMP	2009	20	2029	\$1,617	0	0	0	0	0	0
Pleasant Arena	Windows in rink area		2004	15	2019	\$9,700	0	0	0	9,700	0	0
							41,800	0	3,400	16,900	9,470	0
Shoreview Arena	Caulk exterior block walls	2015 CCAMP	1973	15	1988	\$8,600	8,600	0	0	0	0	0
Shoreview Arena	Card access system		2016	20	2036	\$3,200	0	0	0	0	0	0
Shoreview Arena	Chillers		2001	20	2021	\$28,000	0	0	0	0	0	28,000
Shoreview Arena	Exhaust fans		1973	25	1998	\$9,300	9,300	0	0	0	0	0
Shoreview Arena	Exterior block wall	2015 CCAMP	1973	25	1998	\$16,500	16,500	0	0	0	0	0
Shoreview Arena	Exterior OH Door (2)	2012 CCAMP	2012	25	2037	\$7,085	0	0	0	0	0	0
Shoreview Arena	Exterior Steel doors	2012 CCAMP	2012	25	2037	\$11,586	0	0	0	0	0	0
Shoreview Arena	Furnace-Lobby		1998	20	2018	\$6,800	0	0	6,800	0	0	0
Shoreview Arena	Furnace-Team Room		1998	20	2018	\$3,400	0	0	3,400	0	0	0
Shoreview Arena	Glycol pumps (2)		2001	20	2021	\$5,800	0	0	0	0	0	5,800
Shoreview Arena	Interior OH Door	2012 CCAMP	2012	20	2032	\$3,128	0	0	0	0	0	0
Shoreview Arena	Interior doors - Lobby team rms	2015 CCAMP	2016	25	2041	\$3,700	0	0	0	0	0	0
Shoreview Arena	Interior doors - Lobby		2004	25	2029	\$3,000	0	0	0	0	0	0
Shoreview Arena	Paint Interior Roof Deck	2012 CIP	2012	15	2027	\$19,368	0	0	0	0	0	0
Shoreview Arena	Radiant heaters (5)		1993	20	2013	\$9,600	9,600	0	0	0	0	0
Shoreview Arena	Rink Lights		2005	20	2025	\$9,000	0	0	0	0	0	0
Shoreview Arena	Scoreboard		2002	12	2014	\$7,800	7,800	0	0	0	0	0
Shoreview Arena	Security System	2015 CCAMP	2015	10	2025	\$2,300	0	0	0	0	0	0
Shoreview Arena	Sinks & Faucets (4)	2011 CCAMP	2011	20	2031	\$685	0	0	0	0	0	0
Shoreview Arena	Skate Tile	2011 CCAMP	2011	10	2021	\$23,927	0	0	0	0	0	23,927
Shoreview Arena	Skate Tile - player's boxes		2015	7	2022	\$7,000	0	0	0	0	0	0
Shoreview Arena	Sound System		2002	15	2017	\$5,600	0	5,600	0	0	0	0
Shoreview Arena	Toilets	2011 CCAMP	2011	20	2031	\$1,008	0	0	0	0	0	0
Shoreview Arena	Toilet partitions	2011 CCAMP	2011	25	2036	\$4,047	0	0	0	0	0	0
Shoreview Arena	Water heater	2009 CCAMP	2009	20	2029	\$4,600	0	0	0	0	0	0
Shoreview Arena	Water Softener		2015	10	2025	\$5,000	0	0	0	0	0	0
							51,800	5,600	10,200	0	0	57,727
White Bear Arena	Bleachers		2002	30	2032	\$16,000	0	0	0	0	0	0
White Bear Arena	Card access system		2016	20	2036	\$3,300	0	0	0	0	0	0
White Bear Arena	Caulk pre-cast panels	2014 CCAMP	2014	15	2029	\$8,050	0	0	0	0	0	0
White Bear Arena	Chillers		1999	20	2019	\$28,000	0	0	0	28,000	0	0
White Bear Arena	Exhaust fans		1973	25	1998	\$9,300	9,300	0	0	0	0	0
White Bear Arena	Exterior OH Door	2012 CCAMP	2012	25	2037	\$2,077	0	0	0	0	0	0
White Bear Arena	Exterior Steel doors (3 sets)	2014 CCAMP	2014	25	2039	\$15,000	0	0	0	0	0	0
White Bear Arena	Furnace-Lobby	2008 CCAMP	2008	20	2028	\$8,400	0	0	0	0	0	0
White Bear Arena	Furnace-Team Room		1998	20	2018	\$3,400	0	0	3,400	0	0	0
White Bear Arena	Glycol pumps (2)		1999	20	2019	\$5,800	0	0	0	5,800	0	0
White Bear Arena	Interior OH Door		1989	25	2014	\$3,200	3,200	0	0	0	0	0
White Bear Arena	Interior steel doors-Locker rms	2010 CCAMP	2010	25	2035	\$8,300	0	0	0	0	0	0
White Bear Arena	Interior steel doors-Lobby	2014 CCAMP	2014	25	2039	\$8,000	0	0	0	0	0	0
White Bear Arena	Low E Ceiling	2009 CCAMP	2009	15	2024	\$48,500	0	0	0	0	0	0
White Bear Arena	Paint Interior Roof Deck	2009 CIP	2009	15	2024	\$19,280	0	0	0	0	0	0

ICE ARENAS - CCAMP

2/13/2017

Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020	2021
White Bear Arena	Radiant heaters (3)	2013 CCAMP	2013	20	2033	\$6,639	0	0	0	0	0	0
White Bear Arena	Rink Lights		2005	20	2025	\$9,000	0	0	0	0	0	0
White Bear Arena	Scoreboard	2010 CCAMP	2010	12	2022	\$5,000	0	0	0	0	0	0
White Bear Arena	Security System	2015 CCAMP	2015	10	2025	\$2,100	0	0	0	0	0	0
White Bear Arena	Sinks & Faucets (6)	2012 CCAMP	2013	20	2033	\$2,766	0	0	0	0	0	0
White Bear Arena	Skate Tile	2010 CCAMP	2010	10	2020	\$20,000	0	0	0	0	20,000	0
White Bear Arena	Sound System	2012 CCAMP	2012	15	2027	\$4,190	0	0	0	0	0	0
White Bear Arena	Toilets (5)	2012 CCAMP	2012	25	2037	\$1,331	0	0	0	0	0	0
White Bear Arena	Toilet partitions	2012 CCAMP	2012	25	2037	\$4,178	0	0	0	0	0	0
White Bear Arena	Walkways		1973	50	2023	\$2,280	0	0	0	0	0	0
White Bear Arena	Water heater	2009 CCAMP	2009	20	2029	\$3,750	0	0	0	0	0	0
White Bear Arena	Window Frame/Glass	2014 CCAMP	2014	30	2044	\$8,570	0	0	0	0	0	0
							12,500	0	3,400	33,800	20,000	0
West Side Arena	Bleachers		2002	30	2032	\$16,000	0	0	0	0	0	0
West Side Arena	Card access system		2016	20	2036	\$2,700	0	0	0	0	0	0
West Side Arena	Caulk pre-cast panels	2014 CCAMP	2014	15	2029	\$8,050	0	0	0	0	0	0
West Side Arena	Chillers		1999	20	2019	\$28,000	0	0	0	28,000	0	0
West Side Arena	Exhaust fans		1973	25	1998	\$9,300	9,300	0	0	0	0	0
West Side Arena	Exterior OH Door	2012 CCAMP	2012	25	2037	\$2,662	0	0	0	0	0	0
West Side Arena	Exterior Steel doors	2010 CCAMP	2010	25	2035	\$3,388	0	0	0	0	0	0
West Side Arena	Furnace-Lobby	2007 OPERATING BUDGET	2007	20	2027	\$6,800	0	0	0	0	0	0
West Side Arena	Furnace-Team Room		1998	20	2018	\$3,400	0	0	3,400	0	0	0
West Side Arena	Glycol pumps (2)		1999	20	2019	\$5,800	0	0	0	5,800	0	0
West Side Arena	Interior OH Door	2012 CCAMP	2012	20	2032	\$2,662	0	0	0	0	0	0
West Side Arena	Interior steel doors	2012 CCAMP	2013	25	2038	\$15,805	0	0	0	0	0	0
West Side Arena	Lobby Doors	2012 CCAMP	2013	25	2038	\$765	0	0	0	0	0	0
West Side Arena	Low E Ceiling	2009 CCAMP	2009	15	2024	\$48,500	0	0	0	0	0	0
West Side Arena	Paint exterior super structure	2011 CIP	2011	12	2023	\$25,000	0	0	0	0	0	0
West Side Arena	Paint Interior Roof Deck	moved from >\$50,000	2009	15	2024	\$19,280	0	0	0	0	0	0
West Side Arena	Radiant heaters (4)	2013 CCAMP	2013	20	2033	\$11,667	0	0	0	0	0	0
West Side Arena	Rink Lights		2005	20	2025	\$9,000	0	0	0	0	0	0
West Side Arena	Scoreboard	2010 CCAMP	2010	12	2022	\$5,000	0	0	0	0	0	0
West Side Arena	Sealcoat Rink Floor						0	0	0	0	0	0
West Side Arena	Security System	2015 CCAMP	2015	10	2025	\$2,600	0	0	0	0	0	0
West Side Arena	Sinks & Faucets (6)	2012 CCAMP	2013	20	2033	\$2,766	0	0	0	0	0	0
West Side Arena	Skate Tile	2014 CCAMP	2014	10	2024	\$29,069	0	0	0	0	0	0
West Side Arena	Skate Tile - team rooms		2015	10	2025	\$9,200	0	0	0	0	0	0
West Side Arena	Skate Tile - player's boxes		2015	7	2022	\$5,300	0	0	0	0	0	0
West Side Arena	Sound System	2012 CCAMP	2012	15	2027	\$4,190	0	0	0	0	0	0
West Side Arena	Toilets (5)	2012 CCAMP	2012	25	2037	\$1,331	0	0	0	0	0	0
West Side Arena	Toilet partitions	2012 CCAMP	2012	25	2037	\$4,178	0	0	0	0	0	0
West Side Arena	Walkways		1973	50	2023	\$26,000	0	0	0	0	0	0
West Side Arena	Water heater	2009 CCAMP	2009	20	2029	\$3,750	0	0	0	0	0	0
West Side Arena	Window Frame/Glass	2014 CCAMP	2014	30	2044	\$8,584	0	0	0	0	0	0
							9,300	0	3,400	33,800	0	0
ICE ARENAS TOTAL w/o HARDING ARENA/BIFF ADAMS ARENA							335,300	13,400	226,900	99,442	58,340	169,923



REGIONAL PARKS - CCAMP

2/13/2017

Loc	Subsystem Description	Notes	Most current install date	Approx. Life Cycle	Approx. Repl date	Present Val Repl Cost	2016 & Before	2017	2018	2019	2020
Bald Eagle - Otter Lake	Boat launch slab and planks		2011	25	2036	\$20,000	0	0	0	0	0
Bald Eagle - Otter Lake	Concrete Walkway		2011	30	2041	\$4,800	0	0	0	0	0
Bald Eagle - Otter Lake	Fencing-Dog Park		2004	20	2024	\$14,000	0	0	0	0	0
Bald Eagle - Otter Lake	Paint Interior/Exterior		2011	7	2018	\$3,500	0	0	3,500	0	0
Bald Eagle - Otter Lake	Signage	2011 REG REHAB	2011	12	2023	\$6,300	0	0	0	0	0
Bald Eagle - Otter Lake	Sinks		2011	20	2031	\$375	0	0	0	0	0
Bald Eagle - Otter Lake	Metal Roof Restroom		2011	20	2031	\$8,000	0	0	0	0	0
Bald Eagle - Otter Lake	Toilet Partitions		2011	25	2036	\$1,500	0	0	0	0	0
Bald Eagle - Otter Lake	Toilets		2011	20	2031	\$600	0	0	0	0	0
Bald Eagle - Otter Lake	Trash enclosure		2011	25	2036	\$16,000	0	0	0	0	0
Bald Eagle - Otter Lake	Water heater		2011	10	2021	\$500	0	0	0	0	0
Bald Eagle - Otter Lake	Restroom Building *need to add components		2011								
Bald Eagle	Boat Launch (Otter Lake)		2011	25	2036	\$25,000	0	0	0	0	0
Bald Eagle	Boat Launch Planks	2012 REG REHAB	2012	25	2037	\$34,800	0	0	0	0	0
Bald Eagle	Courtesy Dock		2002	15	2017	\$16,000	0	16,000	0	0	0
Bald Eagle	Epoxy Floor-Restrooms	2009 REG REHAB	2009	7	2016	\$1,800	1,800	0	0	0	0
Bald Eagle	Fencing/Gates		1975	30	2005	\$2,500	2,500	0	0	0	0
Bald Eagle	Fishing Pier		2002	20	2022	\$30,000	0	0	0	0	0
Bald Eagle	LED Lights - Shelter/Restrooms		2002	10	2012	\$10,000	10,000	0	0	0	0
Bald Eagle	Paint Interior/Exterior-Restrooms	2009 REG REHAB	2010	7	2017	\$2,300	0	2,300	0	0	0
Bald Eagle	Paint Interior/Exterior-Shelter	2009 REG REHAB	2010	7	2017	\$6,450	0	6,450	0	0	0
Bald Eagle	Play Surfaces	2012 REG REHAB	2012	10	2022	\$7,530	0	0	0	0	0
Bald Eagle	Roof-Asphalt-Restroom		2002	20	2022	\$6,800	0	0	0	0	0
Bald Eagle	Roof-Asphalt-Shelter		2002	20	2022	\$7,500	0	0	0	0	0
Bald Eagle	Signage		2002	12	2014	\$2,500	2,500	0	0	0	0
Bald Eagle	Sinks (4)		2002	30	2032	\$1,600	0	0	0	0	0
Bald Eagle	Site Amenities	Benches, grills	2002	12	2014	\$20,000	20,000	0	0	0	0
Bald Eagle	Toilet Partitions		2002	25	2027	\$2,000	0	0	0	0	0
Bald Eagle	Toilets (6)		2002	30	2032	\$2,400	0	0	0	0	0
Bald Eagle	Water heater		2002	20	2022	\$360	0	0	0	0	0
Battle Ck Reg Park	Bridge Planks - Lower Creek #3/#4	2011 REG REHAB	2011	20	2031	\$1,792	0	0	0	0	0
Battle Ck Reg Park	Bridge Planks - Lower Creek #8	2010 REG REHAB	2010	20	2030	\$3,024	0	0	0	0	0
Battle Ck Reg Park	Bridge Planks - Lower Creek #9	2010 REG REHAB	2010	20	2030	\$1,984	0	0	0	0	0
Battle Ck Reg Park	Epoxy Floors-Restrooms	2007 REG REHAB/2014 REG REHAB	2007	7	2014	\$4,600	4,600	0	0	0	0
Battle Ck Reg Park	Epoxy Floors-Pavillion	2007 REG REHAB/2014 REG REHAB	2007	7	2014	\$4,600	4,600	0	0	0	0
Battle Ck Reg Park	Drinking Fountains (2)	2010 REG REHAB	2010	15	2025	\$2,600	0	0	0	0	0
Battle Ck Reg Park	Hot Plates (2)-Pavilion	2014 REG REHAB	2016	20	2036	\$1,200	0	0	0	0	0
Battle Ck Reg Park	Freezers (2)-Pavilion	2014 REG REHAB	1985	20	2005	\$3,000	8,000	0	0	0	0
Battle Ck Reg Park	Walk-In Coolers (2)-Pavilion	2014 REG REHAB	1985	20	2005	\$3,000	10,000	0	0	0	0
Battle Ck Reg Park	Paint Interior/Exterior-Pavilion	2009 REG REHAB	2009	7	2016	\$21,155	21,155	0	0	0	0
Battle Ck Reg Park	Picnic Table frames		2011	30	2041	\$16,000	0	0	0	0	0
Battle Ck Reg Park	Picnic Table frames painting		2011	10	2021	\$5,500	0	0	0	0	0
Battle Ck Reg Park	Picnic Table planks - plastic lumber		2011	20	2031	\$9,000	0	0	0	0	0
Battle Ck Reg Park	Play Surface	2012 REG REHAB	2012	10	2022	\$7,530	0	0	0	0	0
Battle Ck Reg Park	Roof - Asphalt Shingle		2011	25	2036	\$8,000	0	0	0	0	0
Battle Ck Reg Park	Shelter-Frame (added 11-2013)		2011				0	0	0	0	0
Battle Ck Reg Park	Shelter-Lighting (added 11-2013)		2011				0	0	0	0	0
Battle Ck Reg Park	Shelter-Concrete (added 11-2013)		2011				0	0	0	0	0
Battle Ck Reg Park	Signage		2004	12	2016	\$4,000	4,000	0	0	0	0
Battle Ck Reg Park	Sinks & Faucets	2010 REG REHAB	2010	30	2040	\$3,300	0	0	0	0	0
Battle Ck Reg Park	Site Amenities - drinking fountain		2011	20	2031	\$10,000	0	0	0	0	0
Battle Ck Reg Park	Site Amenities - grills, char. Bin		2011	12	2023	\$25,000	0	0	0	0	0
Battle Ck Reg Park	Skylights (3)	2014 REG REHAB	2014	20	2034	\$39,977	0	0	0	0	0
Battle Ck Reg Park	Toilet Partitions	2014 REG REHAB	1985	25	2010	\$2,500	2,500	0	0	0	0
Battle Ck Reg Park	Walkways-Pavilion			30			0	0	0	0	0
Battle Ck Reg Park	Water heater (2)	2009 REG REHAB	2009	20	2029	\$2,300	0	0	0	0	0
Battle Ck Reg Park	Lower Afton (McK to 61)-(2) Benches		2012	30	2042	\$1,400	0	0	0	0	0

REGIONAL PARKS - CCAMP

2/13/2017

Loc	Subsystem Description	Notes	Most current install date	Approx. Life Cycle	Approx. Repl date	Present Val Repl Cost	2016 & Before	2017	2018	2019	2020
Battle Ck Reg Park	Lower Afton (McK to 61)-Pavers		2012			\$3,850	0	0	0	0	0
Battle Ck Reg Park	Lower Afton (McK to 61)-Fence Railing		2012			\$42,150	0	0	0	0	0
Battle Ck Reg Park	Lower Afton (McK to 61)-Guard Rails		2012			\$41,301	0	0	0	0	0
Battle Ck Reg Park	Lower Afton (McK to 61)-Bench Slabs		2012	30	2042	\$600	0	0	0	0	0
Battle Ck Reg Park	Lower Afton (Century to McK)-Pavers		2007			\$2,100	0	0	0	0	0
Battle Ck Reg Park	Lower Afton (Century to McK)-Bench		2007	30	2037		0	0	0	0	0
Battle Ck Reg Park	Lower Afton (Century to McK)-Bench Slabs		2007	30	2037		0	0	0	0	0
Battle Ck Reg Park	Lower Afton (Century to McK)-Retaining Wall		2007				0	0	0	0	0
Battle Creek-Waterwor	Beach Chairs	2007 REG REHAB/2014 REG REHAB	2007	7	2014	\$5,000	5,000	0	0	0	0
Battle Creek-Waterwor	Caulk Exterior Block and Fascia		2000	20	2020	\$6,500	0	0	0	0	6,500
Battle Creek-Waterwor	Caulk Pool & Deck	2009 REG REHAB	2009	8	2017	\$5,100	0	5,100	0	0	0
Battle Creek-Waterwor	Cement Concourse-Exterior		2000	100	2100	\$12,500	0	0	0	0	0
Battle Creek-Waterwor	Cement Epoxy Seal (Deck)	2015 REG REHAB	2000	12	2012	\$25,000	25,000	0	0	0	0
Battle Creek-Waterwor	Chemical Controllers (2)	2012 REG REHAB	2012	12	2024	\$4,080	0	0	0	0	0
Battle Creek-Waterwor	Door Opener & Door (Vending)	2014 REG REHAB	2014	15	2029	\$4,400	0	0	0	0	0
Battle Creek-Waterwor	Drain Covers	2009 REG REHAB	2009	10	2019	\$11,745	0	0	0	11,745	0
Battle Creek-Waterwor	Drain Tiles-Pool Floor	FUNDING???	2011	12	2023	\$2,500	0	0	0	0	0
Battle Creek-Waterwor	Drinking Fountains (2)		2000	15	2015	\$7,200	7,200	0	0	0	0
Battle Creek-Waterwor	Epoxy Floor - Restrooms	2015 REG REHAB	2008	7	2015	\$3,000	3,000	0	0	0	0
Battle Creek-Waterwor	Exterior Steel Doors		2000	30	2030	\$25,500	0	0	0	0	0
Battle Creek-Waterwor	Fence (Decorative Rope)		2000	10	2010	\$26,300	26,300	0	0	0	0
Battle Creek-Waterwor	Fencing/Gates		2000	30	2030	\$40,000	0	0	0	0	0
Battle Creek-Waterwor	Filter Baskets (1)	2009 REG REHAB	2009	10	2019	\$4,500	0	0	0	4,500	0
Battle Creek-Waterwor	Filter Baskets (2)		2000	10	2010	\$9,000	9,000	0	0	0	0
Battle Creek-Waterwor	Funbrella	2008 REG REHAB	2008	8	2016	\$12,800	12,800	0	0	0	0
Battle Creek-Waterwor	Irrigation Systems		2000	25	2025	\$9,000	0	0	0	0	0
Battle Creek-Waterwor	Lifeguard Chairs (2)		2000	10	2010	\$6,400	6,400	0	0	0	0
Battle Creek-Waterwor	Lily Pad Anchors	2012 REG REHAB (not completed)		7		\$20,000	0	0	0	0	0
Battle Creek-Waterwor	Lily Pad Netting		2004	7	2011	\$3,600	3,600	0	0	0	0
Battle Creek-Waterwor	Lily Pads	2007 REG REHAB/2014 REG REHAB	2007	7	2014	\$20,000	20,000	0	0	0	0
Battle Creek-Waterwor	Moss System Tank (added 11-2013)	2013 REG REHAB	2013	7	2020	\$755	0	0	0	0	755
Battle Creek-Waterwor	Paint Drinking Fountain (added 11-2013)	2013 REG REHAB	2013	7	2020	\$300	0	0	0	0	300
Battle Creek-Waterwor	Paint Exterior	2012 REG REHAB	2012	7	2019	\$5,600	0	0	0	5,600	0
Battle Creek-Waterwor	Paint Interior	2009 OPERATING BUDGET	2009	7	2016	\$7,000	7,000	0	0	0	0
Battle Creek-Waterwor	Paint Play Structure (SCS)	2010 REG REHAB/2013 REG REHAB	2013	5	2018	\$3,325		0	3,325	0	0
Battle Creek-Waterwor	Paint Pool	2015 REG REHAB	2009	6	2015	\$19,500	19,500	0	0	0	0
Battle Creek-Waterwor	Paint Shower Tower (added 11-2013)	2013 REG REHAB	2013	7	2020	\$350	0	0	0	0	350
Battle Creek-Waterwor	PH Injectors	2005 REG REHAB	2007	7	2014	\$900	900	0	0	0	0
Battle Creek-Waterwor	Pool Bottom Pads (3)	2010 REG REHAB/2015 REG REHAB	2010	5	2015	\$3,300	3,300	0	0	0	0
Battle Creek-Waterwor	Pool Edge Pads (2) - Lily Pads	2011 REG REHAB/2015 REG REHAB	2010	5	2015	\$3,300	3,300	0	0	0	0
Battle Creek-Waterwor	Pool Ladders (3)	2012 REG REHAB (not completed)	2000	12	2012	\$4,000	4,000	0	0	0	0
Battle Creek-Waterwor	Pool Pumps (5)	2010 REG REHAB	2010	10	2020	\$28,000	0	0	0	0	28,000
Battle Creek-Waterwor	Pool Vacuum	2010 REG REHAB	2010	5	2015	\$800	0	0	0	0	0
Battle Creek-Waterwor	Sand Play Area		2000	20	2020	\$25,000	0	0	0	0	25,000
Battle Creek-Waterwor	SCS Handwheel Assembly	2010 REG REHAB/2015 REG REHAB	2010	5	2015	\$2,500	2,500	0	0	0	0
Battle Creek-Waterwor	Security System	2010 REG REHAB/2015 REG REHAB	2010	10	2020	\$5,000	0	0	0	0	5,000
Battle Creek-Waterwor	Shower Towers (3)		2000	15	2015	\$22,000	22,000	0	0	0	0
Battle Creek-Waterwor	Signage	2008 REG REHAB	2008	12	2020	\$4,000	0	0	0	0	4,000
Battle Creek-Waterwor	Sinks (6)		2000	15	2015	\$2,400	2,400	0	0	0	0
Battle Creek-Waterwor	Slide-(3) Small		2010	10	2020	\$30,000	0	0	0	0	30,000
Battle Creek-Waterwor	Slide-(1) Large	added 12-2013		10			0	0	0	0	0
Battle Creek-Waterwor	Sound System	2010 REG REHAB	2010	15	2025	\$16,800	0	0	0	0	0
Battle Creek-Waterwor	Tile-Lifeguard Room	2013 REG REHAB	2014	12	2026	\$2,928	0	0	0	0	0
Battle Creek-Waterwor	Toilet Partitions		2000	25	2025	\$6,000	0	0	0	0	0
Battle Creek-Waterwor	Toilets (7)		2000	30	2030	\$2,800	0	0	0	0	0
Battle Creek-Waterwor	Walkways (added 11-2013)			30			0	0	0	0	0
Battle Creek-Waterwor	Water heater - small residential	2012 REG REHAB	2012	10	2022	\$1,850	0	0	0	0	0

REGIONAL PARKS - CCAMP

2/13/2017

Loc	Subsystem Description	Notes	Most current install date	Approx. Life Cycle	Approx. Repl date	Present Val Repl Cost	2016 & Before	2017	2018	2019	2020
Battle Creek-Waterwor	Water heater - large commercial	2014 REG REHAB	2000	7	2007	\$1,850	1,850	0	0	0	0
Battle Creek-Waterwor	Water Play Features-Pools & Falls		2000	20	2020	\$7,300	0	0	0	0	7,300
Beaches	Bouys		2016	10	2026	\$6,700	0	0	0	0	0
Keller Archery	Shooting Station/Fixtures		1978	20	1998	\$3,000	3,000	0	0	0	0
Keller Archery	Signage		2007	8	2015	\$2,000	2,000	0	0	0	0
Keller Golfview	Asphalt Shingle Roof-Shelter #1		2011	20	2031	\$18,000	0	0	0	0	0
Keller Golfview	Asphalt Shingle Roof-Shelter #2		2011	20	2031	\$18,000	0	0	0	0	0
Keller Golfview	Asphalt Shingle Roof-Shelter #3		2011	20	2031	\$25,000	0	0	0	0	0
Keller Golfview	Benches (added 11-2013)	2013 REG REHAB (not completed)					0	0	0	0	0
Keller Golfview	Drinking Faucets-Shelter #1		2011	15	2026	\$7,200	0	0	0	0	0
Keller Golfview	Drinking Faucets-Shelter #2		2011	15	2026	\$7,200	0	0	0	0	0
Keller Golfview	Drinking Faucets-Shelter #3		2011	15	2026	\$7,200	0	0	0	0	0
Keller Golfview	Paint Exterior-Shelter #1		2011	7	2018	\$4,500	0	0	4,500	0	0
Keller Golfview	Paint Exterior-Shelter #2		2011	7	2018	\$4,500	0	0	4,500	0	0
Keller Golfview	Paint Exterior-Shelter #3		2011	7	2018	\$4,500	0	0	4,500	0	0
Keller Golfview	Powder Recoat of Playground Structure	2012 REG REHAB (not completed)					0	0	0	0	0
Keller Golfview	Sign (ID) Construct	2013 REG REHAB (not completed)					0	0	0	0	0
Keller Golfview	Tables/Grills-Shelter #1		2011	12	2023	\$8,000	0	0	0	0	0
Keller Golfview	Tables/Grills-Shelter #2		2011	12	2023	\$8,000	0	0	0	0	0
Keller Golfview	Tables/Grills-Shelter #3		2011	12	2023	\$8,000	0	0	0	0	0
Keller Golfview Restroom	Epoxy Floor	2015 REG REHAB	2007	7	2014	\$2,800	2,800	0	0	0	0
Keller Golfview Restroom	Drinking Fountains		2007	15	2022	\$7,200	0	0	0	0	0
Keller Golfview Restroom	Exterior Steel Door (3)		2007	30	2037	\$3,000	0	0	0	0	0
Keller Golfview Restroom	Paint Hardboard Exterior/Soffet	2015 REG REHAB	2007	7	2014	\$8,000	8,000	0	0	0	0
Keller Golfview Restroom	Paint Interior	2015 REG REHAB	2007	7	2014	\$8,500	8,500	0	0	0	0
Keller Golfview Restroom	Play Surfaces	2015 REG REHAB	1998	15	2013	\$30,000	30,000	0	0	0	0
Keller Golfview Restroom	Roof Shingle/Membrane		2007	20	2027	\$11,000	0	0	0	0	0
Keller Golfview Restroom	Signage		2007	12	2019	\$800	0	0	0	800	0
Keller Golfview Restroom	Site Amenities	2009 REG REHAB	2009	12	2021	\$20,000	0	0	0	0	0
Keller Golfview Restroom	Slide	2010 REG REHAB	2010	30	2040	\$2,200	0	0	0	0	0
Keller Golfview Restroom	Toilet Partitions		2007	25	2032	\$2,000	0	0	0	0	0
Keller Golfview Restroom	Water Heater		2007	10	2017	\$720	0	720	0	0	0
Keller Island	Asphalt Shingle Roof-Shelter		2009	20	2029	\$18,000	0	0	0	0	0
Keller Island	Bridge Planks		1980	20	2000	\$9,700	9,700	0	0	0	0
Keller Island	Drinking Faucets-Shelter		2009	15	2024	\$7,200	0	0	0	0	0
Keller Island	Lift Station Pumps (2)		2007	10	2017	\$5,000	0	5,000	0	0	0
Keller Island	Paint Exterior-Shelter		2009	7	2016	\$4,500	4,500	0	0	0	0
Keller Island	Tables/Grills-Shelter		2009	12	2021	\$8,000	0	0	0	0	0
Keller Island Restroom	Epoxy Floor	2015 REG REHAB	2007	7	2014	\$2,800	2,800	0	0	0	0
Keller Island Restroom	Drinking Fountains		2007	15	2022	\$7,200	0	0	0	0	0
Keller Island Restroom	Exterior Steel Door (3)		2007	30	2037	\$3,000	0	0	0	0	0
Keller Island Restroom	Paint Hardboard Exterior/Soffet	2015 REG REHAB	2007	7	2014	\$8,000	8,000	0	0	0	0
Keller Island Restroom	Paint Interior	2015 REG REHAB	2007	7	2014	\$8,500	8,500	0	0	0	0
Keller Island Restroom	Roof Membrane/Shingle		2007	20	2027	\$11,000	0	0	0	0	0
Keller Island Restroom	Signage		2007	12	2019	\$800	0	0	0	800	0
Keller Island Restroom	Site Amenities		2007	12	2019	\$12,000	0	0	0	12,000	0
Keller Island Restroom	Toilet Partitions		2007	25	2032	\$2,000	0	0	0	0	0
Keller Island Restroom	Water Heater		2007	10	2017	\$720	0	720	0	0	0
Keller Lakeside	Asphalt Shingle Roof-Shelter		2009	20	2029	\$18,000	0	0	0	0	0
Keller Lakeside	Drinking Faucets-Shelter		2009	15	2024	\$7,200	0	0	0	0	0
Keller Lakeside	Paint Exterior-Shelter		2009	7	2016	\$4,500	4,500	0	0	0	0
Keller Lakeside	Sign (ID) Construct	2012 REG REHAB (not completed)					0	0	0	0	0
Keller Lakeside	Tables/Grills-Shelter		2009	12	2021	\$8,000	0	0	0	0	0
Keller Lakeside Restroom	Epoxy Floor	2015 REG REHAB	2007	7	2014	\$2,800	2,800	0	0	0	0
Keller Lakeside Restroom	Drinking Fountains		2007	15	2022	\$7,200	0	0	0	0	0
Keller Lakeside Restroom	Exterior Steel Door (3)		2007	30	2037	\$3,000	0	0	0	0	0
Keller Lakeside Restroom	Paint Hardboard Exterior/Soffet	2015 REG REHAB	2007	7	2014	\$8,000	8,000	0	0	0	0

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Keller Lakeside Restroom	Paint Interior	2015 REG REHAB	2007	7	2014	\$8,500	8,500	0	0	0	0
Keller Lakeside Restroom	Roof Shingle/Membrane		2007	20	2027	\$11,000	0	0	0	0	0
Keller Lakeside Restroom	Signage		2007	12	2019	\$800	0	0	0	800	0
Keller Lakeside Restroom	Site Amenities	2009 MET COUNCIL GRANT	2009	12	2021	\$20,000	0	0	0	0	0
Keller Lakeside Restroom	Toilet Partitions		2007	25	2032	\$2,000	0	0	0	0	0
Keller Lakeside Restroom	Water Heater		2007	10	2017	\$720	0	720	0	0	0
Keller Lower	Asphalt Shingle Roof-Shelter		2009	20	2029	\$18,000	0	0	0	0	0
Keller Lower	Epoxy Floor - Restrooms	2009 MET COUNCIL GRANT	2009	7	2016	\$2,800	2,800	0	0	0	0
Keller Lower	Drinking Faucets-Shelter		2009	15	2024	\$7,200	0	0	0	0	0
Keller Lower	Drinking Fountains	2009 MET COUNCIL GRANT	2009	15	2024	\$7,200	0	0	0	0	0
Keller Lower	Exterior Steel Door (3)-Restrooms	2009 MET COUNCIL GRANT	2009	30	2039	\$3,000	0	0	0	0	0
Keller Lower	Paint Exterior-Shelter		2009	7	2016	\$4,500	4,500	0	0	0	0
Keller Lower	Paint Hardboard Exterior/Soffet-Restrooms	2009 MET COUNCIL GRANT	2009	7	2016	\$8,000	8,000	0	0	0	0
Keller Lower	Paint Interior-Restrooms	2009 MET COUNCIL GRANT	2009	7	2016	\$8,500	8,500	0	0	0	0
Keller Lower	Roof Shingle/Membrane-Restrooms	2009 MET COUNCIL GRANT	2009	20	2029	\$11,000	0	0	0	0	0
Keller Lower	Roof-Shelter		2009	20	2029	\$11,000	0	0	0	0	0
Keller Lower	Sign (ID) Construct						0	0	0	0	0
Keller Lower	Signage		2007	12	2019	\$800	0	0	0	800	0
Keller Lower	Site Amenities		1987	12	1999	\$20,000	20,000	0	0	0	0
Keller Lower	Tables/Grills-Shelter		2009	12	2021	\$8,000	0	0	0	0	0
Keller Lower	Toilet Partitions-Restrooms	2009 MET COUNCIL GRANT	2009	25	2034	\$2,000	0	0	0	0	0
Keller Lower	Water Heater-Restrooms	2009 MET COUNCIL GRANT	2009	10	2019	\$720	0	0	0	720	0
Keller Lower Creek	Bridge Planks	2010 REG REHAB	2011	20	2031	\$3,000	0	0	0	0	0
Keller Lower Round	Bridge Planks	2010 REG REHAB	2011	20	2031	\$3,000	0	0	0	0	0
Keller Round Restrooms	Cement Epoxy-Restrooms		2010	7	2017	\$2,800	0	2,800	0	0	0
Keller Round Restrooms	Drinking Fountains		2010	15	2025	\$7,200	0	0	0	0	0
Keller Round Restrooms	Exterior Steel Door		2010	30	2040	\$3,000	0	0	0	0	0
Keller Round Restrooms	Fishing Pier	2014 REG REHAB	1978	20	1998	\$35,000	35,000	0	0	0	0
Keller Round Restrooms	Paint Exterior	added 12-2013	2010	7	2017	\$8,500	0	8,500	0	0	0
Keller Round Restrooms	Paint Interior		2010	7	2017	\$8,500	0	8,500	0	0	0
Keller Round Restrooms	Roof Membrane/Shingle		2010	20	2030	\$11,000	0	0	0	0	0
Keller Round Restrooms	Signage		2007	12	2019	\$800	0	0	0	800	0
Keller Round Restrooms	Site Amenities (grills/charcoal bins)		1978	12	1990	\$8,000	8,000	0	0	0	0
Keller Spoon	Sign (ID) Construct						0	0	0	0	0
Keller Spoon E Restroom	Epoxy Floor	2015 REG REHAB	2007	7	2014	\$2,800	2,800	0	0	0	0
Keller Spoon E Restroom	Drinking Fountains		2007	15	2022	\$7,200	0	0	0	0	0
Keller Spoon E Restroom	Exterior Steel Door (3)		2007	30	2037	\$3,000	0	0	0	0	0
Keller Spoon E Restroom	Paint Hardboard Exterior/Soffet	2015 REG REHAB	2007	7	2014	\$8,000	8,000	0	0	0	0
Keller Spoon E Restroom	Paint Interior	2015 REG REHAB	2007	7	2014	\$8,500	8,500	0	0	0	0
Keller Spoon E Restroom	Roof Shingle/Membrane		2007	20	2027	\$11,000	0	0	0	0	0
Keller Spoon E Restroom	Signage		2007	12	2019	\$800	0	0	0	800	0
Keller Spoon E Restroom	Site Amenities		2007	12	2019	\$8,000	0	0	0	8,000	0
Keller Spoon E Restroom	Toilet Partitions		2007	25	2032	\$2,000	0	0	0	0	0
Keller Spoon E Restroom	Water Heater		2007	10	2017	\$720	0	720	0	0	0
Keller Spoon W Restroom	Boat Launch Planks		1978	25	2003	\$30,000	30,000	0	0	0	0
Keller Spoon W Restroom	Epoxy Floor	2015 REG REHAB	2007	7	2014	\$2,800	2,800	0	0	0	0
Keller Spoon W Restroom	Drinking Fountains		2007	15	2022	\$7,200	0	0	0	0	0
Keller Spoon W Restroom	Exterior Steel Door (3)		2007	30	2037	\$3,000	0	0	0	0	0
Keller Spoon W Restroom	Paint Hardboard Exterior/Soffet	2015 REG REHAB	2007	7	2014	\$8,000	8,000	0	0	0	0
Keller Spoon W Restroom	Paint Interior	2015 REG REHAB	2007	7	2014	\$8,500	8,500	0	0	0	0
Keller Spoon W Restroom	Roof Membrane/Shingle		2007	20	2027	\$11,000	0	0	0	0	0
Keller Spoon W Restroom	Signage		2007	12	2019	\$800	0	0	0	800	0
Keller Spoon W Restroom	Site Amenities	2009 REG REHAB	2009	12	2021	\$8,000	0	0	0	0	0
Keller Spoon W Restroom	Toilet Partitions		2007	25	2032	\$2,000	0	0	0	0	0
Keller Spoon W Restroom	Water Heater		2007	10	2017	\$720	0	720	0	0	0
Long Lake Reg	Boarding Dock	2012 REG REHAB	2012	12	2024	\$6,670	0	0	0	0	0
Long Lake Reg	Boat Launch Planks	2010 REG REHAB	2012	25	2037	\$24,995	0	0	0	0	0

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Long Lake Reg	Bridges-Decking		1995	20	2015	\$15,000	15,000	0	0	0	0
Long Lake Reg	Epoxy Floor-Beach Bldg	2009 REG REHAB	2009	7	2016	\$3,600	3,600	0	0	0	0
Long Lake Reg	Epoxy Floor-Restrooms/Pav/Conc	2009 REG REHAB	2009	7	2016	\$8,013	8,013	0	0	0	0
Long Lake Reg	Docks & Boat Facilities		1989	15	2004	\$20,000	20,000	0	0	0	0
Long Lake Reg	Drinking Fountains (2)-Beach	2008 REG REHAB	2008	20	2028	\$9,600	0	0	0	0	0
Long Lake Reg	Drinking Fountains (2)-Pavilion	????	2010	20	2030	\$9,600	0	0	0	0	0
Long Lake Reg	Fishing Pier	2011 REG REHAB	2011	20	2031	\$37,358	0	0	0	0	0
Long Lake Reg	Guard Tower (3)	2017 - review	1985	15	2000	\$3,000	3,000	0	0	0	0
Long Lake Reg	Hot Plates-Pavilion	2007 REG REHAB/23015 REG REHAB	2015	15	2030	\$2,500	0	0	0	0	0
Long Lake Reg	Irrigation Systems Replacement		1989	25	2014	\$22,000	22,000	0	0	0	0
Long Lake Reg	Irrigation Systems-Pavilion/Beach	2012 REG REHAB	2013	25	2038	\$12,357	0	0	0	0	0
Long Lake Reg	Freezer-Pavilion	2015 REG REHAB	2015	15	2030	\$2,750	0	0	0	0	0
Long Lake Reg	Lift Station Pumps (2)		1985	10	1995	\$5,000	5,000	0	0	0	0
Long Lake Reg	Paint Interior/Exterior-Beach Building	2011 REG REHAB	2011	7	2018	\$8,670	0	0	8,670	0	0
Long Lake Reg	Paint Interior/Exterior-Pavilion	2007 REG REHAB	2008	7	2015	\$17,050	17,050	0	0	0	0
Long Lake Reg	Paint Interior/Exterior-Restrooms	2007 REG REHAB	2008	7	2015	\$3,800	3,800	0	0	0	0
Long Lake Reg	Paint Interior/Exterior-Shelter	2007 REG REHAB	2008	7	2015	\$1,075	1,075	0	0	0	0
Long Lake Reg	Playground Equip-Beach	2014 REG REHAB	2014	25	2039	\$39,000	0	0	0	0	0
Long Lake Reg	Playground Equip-Picnic	2014 REG REHAB	2014	20	2034	\$37,000	0	0	0	0	0
Long Lake Reg	Roof-Boat Ramp Building	2010 REG REHAB	2010	20	2030	\$6,400	0	0	0	0	0
Long Lake Reg	Roof-Beach Building		2016	30	2046	\$44,631	0	0	0	0	0
Long Lake Reg	Roof- Picnic shelter	2008 REG REHAB	2008	20	2028	\$3,800	0	0	0	0	0
Long Lake Reg	Sand Volleyball Court (2)-Pavilion/Beach	Review poles/netting	1985	30	2015	\$9,500	9,500	0	0	0	0
Long Lake Reg	Sanitary Sewer Pumping		1985	10	1995	\$5,000	5,000	0	0	0	0
Long Lake Reg	Signage-Pavilion		2004	12	2016	\$1,500	1,500	0	0	0	0
Long Lake Reg	Sinks-Pavilion		1985	40	2025	\$15,000	0	0	0	0	0
Long Lake Reg	Site Amenities	Inventory	2005	12	2017	\$33,000	0	33,000	0	0	0
Long Lake Reg	Skylight (main and small) - beach building		1985	20	2005	\$40,000	40,000	0	0	0	0
Long Lake Reg	Speaker Systems - Beach	2006 REG REHAB	2006	15	2021	\$2,000	0	0	0	0	0
Long Lake Reg	Staining-Pavilion	2014 REG REHAB	2014	7	2021	\$30,473	0	0	0	0	0
Long Lake Reg	Tile floor - beach building		1985	20	2005	\$20,000	20,000	0	0	0	0
Long Lake Reg	Toilet Partitions-Pavilion	2015 REG REHAB	1989	25	2014	\$5,000	5,000	0	0	0	0
Long Lake Reg	Toilets-Pavilion		1985	40	2025	\$15,000	0	0	0	0	0
Long Lake Reg	Water heater (3)	2007 REG REHAB	2007	20	2027	\$1,500	0	0	0	0	0
Long Lake Reg	Water Play Features-Beach	2007 REG REHAB	2008	12	2020	\$20,000	0	0	0	0	20,000
Marsden Range	Shooting Station/Fixtures	2015 REG REHAB	1982	20	2002	\$1,500	1,500	0	0	0	0
Marsden Range	Signage	2008 REG REHAB	2008	12	2020	\$4,000	0	0	0	0	4,000
Rice Creek Trail	Bridge Redecking	2014 REG REHAB	2014	20	2034	\$3,222	0	0	0	0	0
Rice Creek Trail	Fencing	2009 REG REHAB	2009	30	2039	\$24,000	0	0	0	0	0
Rice Creek Trail	Signage		2004	12	2016	\$5,000	5,000	0	0	0	0
Snail Lake Reg Park	Boat Launch Planks	2008 REG REHAB	2008	25	2033	\$30,000	0	0	0	0	0
Snail Lake Reg Park	Caulk Exterior Block and Fascia		1996	20	2016	\$12,000	12,000	0	0	0	0
Snail Lake Reg Park	Epoxy Floor-Lifeguard Room	2014 REG REHAB	1996	7	2003	\$5,000	5,000	0	0	0	0
Snail Lake Reg Park	Epoxy Floor-Restrooms (Beach)		2016	7	2023	\$4,400	0	0	0	0	0
Snail Lake Reg Park	Eposy Floor-Restrooms (Pavilion)		2016	7	2023	\$4,400	0	0	0	0	0
Snail Lake Reg Park	Docks & Boat Facilities	2011 REG REHAB	2011	20	2031	\$6,549	0	0	0	0	0
Snail Lake Reg Park	Drinking Fountains (3)		2010	15	2025	\$7,200	0	0	0	0	0
Snail Lake Reg Park	Exterior Steel Door (6)-Beach Building		1996	30	2026	\$6,000	0	0	0	0	0
Snail Lake Reg Park	Guard Tower		1996	15	2011	\$700	700	0	0	0	0
Snail Lake Reg Park	Irrigation System		1996	25	2021	\$12,000	0	0	0	0	0
Snail Lake Reg Park	Kitchen Equipment-Pavilion	Check condition	1996	20	2016	\$2,000	2,000	0	0	0	0
Snail Lake Reg Park	Lift Station Pumps (2)		1996	10	2006	\$5,000	5,000	0	0	0	0
Snail Lake Reg Park	Paint Interior/Exterior-Beach Bldg	2011 REG REHAB	2011	7	2018	\$7,500	0	0	7,500	0	0
Snail Lake Reg Park	Paint Interior/Exterior-Pavilion	2005 REG REHAB/2015 REG REHAB	2005	7	2012	\$9,000	9,000	0	0	0	0
Snail Lake Reg Park	Paint Interior/Exterior-Shelter	2006 REG REHAB/2015 REG REHAB	2006	7	2013	\$5,000	5,000	5,000	0	0	0
Snail Lake Reg Park	Playground Surface	2008 REG REHAB/2012 REG REHAB	2012	15	2027	\$10,414	0	0	0	0	0
Snail Lake Reg Park	Refrigerator/Freezer-Pavilion		1996	20	2016	\$600	600	0	0	0	0

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Snail Lake Reg Park	Roof-Shingle-Beach Bldg		1996	20	2016	\$45,000	45,000	0	0	0	0
Snail Lake Reg Park	Roof-Shingle-Pavillion		1996	20	2016	\$4,000	4,000	0	0	0	0
Snail Lake Reg Park	Sand Volleyball Court	2005 REG REHAB	2005	20	2025	\$6,500	0	0	0	0	0
Snail Lake Reg Park	Signage		2004	12	2016	\$3,000	3,000	0	0	0	0
Snail Lake Reg Park	Sinks (7)-Pavilion/Beach Building		1996	30	2026	\$2,800	0	0	0	0	0
Snail Lake Reg Park	Site Amenities	2008 REG REHAB	2008	12	2020	\$37,000	0	0	0	0	37,000
Snail Lake Reg Park	Speaker Systems-Beach Building	Check condition	1996	20	2016	\$3,000	3,000	0	0	0	0
Snail Lake Reg Park	Toilet Partitions-Pavilion/Beach Building		1996	25	2021	\$10,000	0	0	0	0	0
Snail Lake Reg Park	Toilets (14)-Pavilion/Beach Building		1996	30	2026	\$9,800	0	0	0	0	0
Snail Lake Reg Park	Water heater (2)-Pavilion/Beach Building	2006 REG REHAB	2006	10	2016	\$1,440	1,440	0	0	0	0
Snail Lake Reg Park	Water Play Features	2008 REG REHAB	2008	12	2020	\$16,000	0	0	0	0	16,000
Sucker Vad Reg Park	Bridge Plank (Sucker) Concrete #1		2000	30	2030	\$10,000	0	0	0	0	0
Sucker Vad Reg Park	Bridge Plank (Vadnais) Wood #2		2000	20	2020	\$4,000	0	0	0	0	4,000
Sucker Vad Reg Park	Cement Epoxy Recoat-Restrooms (2 bldgs)		2016	7	2023	\$8,200	0	0	0	0	0
Sucker Vad Reg Park	Drinking Fountains (3)		2002	15	2017	\$7,200	0	7,200	0	0	0
Sucker Vad Reg Park	Exterior Steel Door (3) -Restrooms		2003	30	2033	\$3,000	0	0	0	0	0
Sucker Vad Reg Park	Exterior Steel Door (3) -Restrooms		2007	30	2037	\$3,000	0	0	0	0	0
Sucker Vad Reg Park	Fencing/Gates	2006 REG REHAB	2006	30	2036	\$8,000	0	0	0	0	0
Sucker Vad Reg Park	Lift Station Pumps (2)		10	10		\$5,000	0	0	0	0	0
Sucker Vad Reg Park	Paint Interior/Exterior-Restrooms	2014 REG REHAB	2014	7	2021	\$9,924	0	0	0	0	0
Sucker Vad Reg Park	Paint Interior/Exterior-Shelter	2014 REG REHAB	2003	7	2010	\$1,800	1,800	0	0	0	0
Sucker Vad Reg Park	Roof Shingle-Restroom (2)		2003	20	2023	\$5,000	0	0	0	0	0
Sucker Vad Reg Park	Roof Shingle-Shelter #1		2003	20	2023	\$5,000	0	0	0	0	0
Sucker Vad Reg Park	Roof Shingle-Shelter #2		2007	20	2027	\$5,000	0	0	0	0	0
Sucker Vad Reg Park	Signage		2004	12	2016	\$5,000	5,000	0	0	0	0
Sucker Vad Reg Park	Site Amenities		2004	12	2016	\$25,000	25,000	0	0	0	0
Sucker Vad Reg Park	Toilet Partitions (2)		2004	25	2029	\$3,200	0	0	0	0	0
Sucker Vad Reg Park	Water Heater (2)		2004	10	2014	\$640	640	0	0	0	0
Sucker Vad Reg Park	Wood Staining/Sealer-Shelter #1/#2	2015 REG REHAB	2007	7	2014	\$20,000	20,000	0	0	0	0
Tamarack	Amptitheatre Concrete	added 12-2013	1990	25	2015	\$15,000	15,000	0	0	0	0
Tamarack	Cabinets-New Addition		2003	20	2023	\$8,800	0	0	0	0	0
Tamarack	Caulk exterior siding -Old Building		2003	15	2018	\$1,650	0	0	1,650	0	0
Tamarack	Classroom Divider		2003	12	2015	\$2,350	2,350	0	0	0	0
Tamarack	Cork floor in classroom		2005	15	2020	\$5,800	0	0	0	0	5,800
Tamarack	Exterior Siding	added 12-2013	1990	25	2015		0	0	0	0	0
Tamarack	Exterior Steel doors-New Addition		2003	15	2018	\$4,400	0	0	4,400	0	0
Tamarack	Exterior Steel doors-Old Building	2014 REG REHAB	1990	15	2005	\$4,200	4,200	0	0	0	0
Tamarack	Exterior windows-New Addition		2003	20	2023	\$6,500	0	0	0	0	0
Tamarack	Exterior windows-Old Building	2014 REG REHAB	1990	20	2010	\$6,500	6,500	0	0	0	0
Tamarack	Faucets (original bldg)	2013 REG REHAB	2013	20	2033	\$1,958	0	0	0	0	0
Tamarack	Fire sprinkler	2015 REG REHAB	2003	15	2018	\$30,000	0	0	30,000	0	0
Tamarack	Furnace with A/C units-New Addition		2003	20	2023	\$6,500	0	0	0	0	0
Tamarack	Furnace with A/C units-Old Building (1)	2011 REG REHAB	2011	20	2031	\$5,671	0	0	0	0	0
Tamarack	Furnace with A/C units-Old Building (1)	2014 REG REHAB	1991	20	2011	\$4,300	4,300	0	0	0	0
Tamarack	Hot water heater-New Addition		2003	20	2023	\$450	0	0	0	0	0
Tamarack	Hot water heater-Old Building	2011 REG REHAB	2011	20	2031	\$467	0	0	0	0	0
Tamarack	Interior doors (old building)		1991	15	2006	\$10,000	10,000	0	0	0	0
Tamarack	Interior doors (new building)		2003	15	2018	\$7,500	0	0	7,500	0	0
Tamarack	Kitchen equipment (refrigerator/stove)	2014 REG REHAB	2003	10	2013	\$2,600	2,600	0	0	0	0
Tamarack	Paint Interior	2015 REG REHAB	2006	10	2016	\$5,000	5,000	0	0	0	0
Tamarack	Paint Exterior	2006 REG REHAB	2006	10	2016	\$4,500	4,500	0	0	0	0
Tamarack	Flooring-New Addition	2015 REG REHAB	2003	10	2013	\$27,000	27,000	0	0	0	0
Tamarack	Flooring-Old Building	2015 REG REHAB	2003	10	2013	\$3,800	3,800	0	0	0	0
Tamarack	Replace Shingle roof - Nature Ctr		2004	20	2024	\$27,000	0	0	0	0	0
Tamarack	Replace Shingle roof - Shelter		2004	20	2024	\$2,000	0	0	0	0	0
Tamarack	Security System	done in 2012 from ?????	2003	20	2023	\$6,400	0	0	0	0	0
Tamarack	Sinks & Faucets (new addition)		2003	15	2018	\$5,000	0	0	5,000	0	0

REGIONAL PARKS - CCAMP

2/13/2017

Loc	Subsystem Description	Notes	Most current install date	Approx. Life Cycle	Approx Repl date	Present Vali Repl Cost	2016 & Before	2017	2018	2019	2020
Tamarack	Sinks (original bldg)		1991	15	2006	\$3,000	3,000	0	0	0	0
Tamarack	Teaching Deck		2001	20	2021	\$14,000	0	0	0	0	0
Tamarack	Toilet partitions (new addition)		2003	25	2028	\$2,600	0	0	0	0	0
Tamarack	Toilet partitions (old building)		1991	25	2016	\$3,500	3,500	0	0	0	0
Tamarack	Walkways & patio		2003	20	2023	\$12,300	0	0	0	0	0
Tamarack	Garden Center						0	0	0	0	0
Tamarack	Hanson Property						0	0	0	0	0
Tamarack	Nature Play Area						0	0	0	0	0
Tamarack Pole Barn	Entry Door		2000	15	2015	\$500	500	0	0	0	0
Tamarack Pole Barn	Garage Door		2000	15	2015	\$2,500	2,500	0	0	0	0
Tamarack Pole Barn	Heater		2000	10	2010	\$3,000	3,000	0	0	0	0
Tamarack Pole Barn	Window		2000	15	2015	\$3,000	3,000	0	0	0	0
Tony Schmidt Reg Pk	Boat Launch Planks		2000	25	2025	\$30,000	0	0	0	0	0
Tony Schmidt Reg Pk	Courtesy Dock		2000	15	2015	\$5,600	5,600	0	0	0	0
Tony Schmidt Reg Pk	Epoxy Floor Restrooms - Beach Building	2007 REG REHAB/2015 REG REHAB	2007	7	2014	\$6,000	6,000	0	0	0	0
Tony Schmidt Reg Pk	Epoxy Floor Restrooms - Boat Launch		2007	7	2014	\$3,600	3,600	0	0	0	0
Tony Schmidt Reg Pk	Epoxy Floor Restrooms - Picnic Shelter		2007	7	2014	\$3,600	3,600	0	0	0	0
Tony Schmidt Reg Pk	Epoxy Floor Restrooms - Picnic Pavillion (Hill)		2007	7	2014	\$8,000	8,000	0	0	0	0
Tony Schmidt Reg Pk	Drinking Fountains (4)		2000	15	2015	\$9,600	9,600	0	0	0	0
Tony Schmidt Reg Pk	Fencing/Gates		2000	30	2030	\$6,000	0	0	0	0	0
Tony Schmidt Reg Pk	Guard Tower	Jennifer - check condition	2000	15	2015	\$2,100	2,100	0	0	0	0
Tony Schmidt Reg Pk	Kitchen Equipment-Pavilion		2000	20	2020	\$5,000	0	0	0	0	5,000
Tony Schmidt Reg Pk	Kitchen Equipment-Pavilion		2000	20	2020	\$5,000	0	0	0	0	5,000
Tony Schmidt Reg Pk	Overhead Roll Up		2000	30	2030	\$3,500	0	0	0	0	0
Tony Schmidt Reg Pk	Paint Interior/Exterior	2007 REG REHAB	2008	7	2015	\$10,000	10,000	0	0	0	0
Tony Schmidt Reg Pk	Picnic Tables-Replank/Paint	2014 REG REHAB	2014	12	2026	\$9,000	0	0	0	0	0
Tony Schmidt Reg Pk	Play Surfaces	2015 REG REHAB	2000	15	2015	\$40,000	40,000	0	0	0	0
Tony Schmidt Reg Pk	Play Surfaces (Upper)	2015 REG REHAB	2000	25	2025	\$15,000	0	0	0	0	0
Tony Schmidt Reg Pk	Roof-Shingle-Bathrooms		2000	20	2020	\$5,000	0	0	0	0	5,000
Tony Schmidt Reg Pk	Roof-Shingle-Beach Bldg		2000	20	2020	\$10,000	0	0	0	0	10,000
Tony Schmidt Reg Pk	Roof-Shingle-Pavilion		2000	20	2020	\$10,000	0	0	0	0	10,000
Tony Schmidt Reg Pk	Roof-Shingle-Shelter		2000	20	2020	\$6,000	0	0	0	0	6,000
Tony Schmidt Reg Pk	Signage		2004	12	2016	\$1,200	1,200	0	0	0	0
Tony Schmidt Reg Pk	Sinks		2000	20	2020	\$2,800	0	0	0	0	2,800
Tony Schmidt Reg Pk	Site Amenities	2012 REG REHAB (not completed)	2000	12	2012	\$45,000	45,000	0	0	0	0
Tony Schmidt Reg Pk	Speaker Systems-Beach		2000	20	2020	\$3,000	0	0	0	0	3,000
Tony Schmidt Reg Pk	Toilet Partitions		2000	25	2025	\$7,700	0	0	0	0	0
Tony Schmidt Reg Pk	Toilets		2000	20	2020	\$9,800	0	0	0	0	9,800
Tony Schmidt Reg Pk	Water Heater (4)	2010 REG REHAB	2010	10	2020	\$1,800	0	0	0	0	1,800
Trout Brook Trail	Signage		1999	12	2011	\$2,000	2,000	0	0	0	0
							1,115,373	103,450	85,045	48,165	252,405

COUNTY PARKS - CCAMP

2/13/2017

Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020
Beaver Lake	Fishing Pier		2013	20	2033	\$34,160	0	0	0	0	0
Beaver Lake	Signage		2005	10	2015	\$800	800	0	0	0	0
Beaver Lake	Site Amenities		1978	12	1990	\$8,000	8,000	0	0	0	0
Island Lake	Boat Dock (new)		2011	30	2041	\$4,382	0	0	0	0	0
Island Lake	Boat Launch Planks		1992	30	2022	\$30,000	0	0	0	0	0
Island Lake	Cement Epoxy Recoat-Restrooms		2011	7	2018	\$2,520	0	0	2,520	0	0
Island Lake	Exterior Steel Door		1992	30	2022	\$2,800	0	0	0	0	0
Island Lake	Fishing Pier		2012	20	2032	\$34,094	0	0	0	0	0
Island Lake	Paint Exterior Soffet		2010	7	2017	\$13,700	0	13,700	0	0	0
Island Lake	Paint Interior/Exterior		2010	7	2017	\$13,756	0	13,756	0	0	0
Island Lake	Play Surfaces		2012	10	2022	\$12,877	0	0	0	0	0
Island Lake	Roof-Wood		1992	25	2017	\$20,000	0	20,000	0	0	0
Island Lake	Sand Volleyball Court		1993	15	2008	\$6,000	6,000	0	0	0	0
Island Lake	Signage		2004	12	2016	\$800	800	0	0	0	0
Island Lake	Site Amenities		2009	12	2021	\$11,707	0	0	0	0	0
Island Lake	Site Amenities		2011	12	2023	\$21,864	0	0	0	0	0
Island Lake	Toilet Partitions		1992	25	2017	\$2,000	0	2,000	0	0	0
Island Lake	Toilets		1992	20	2012	\$4,000	4,000	0	0	0	0
Island Lake	Water heater		2010	10	2020	\$600	0	0	0	0	600
Lake Gervais	Cement Epoxy Recoat-Restrooms		2011	7	2018	\$2,411	0	0	2,411	0	0
Lake Gervais	Door Opener (Vending)		2004	30	2034	\$3,500	0	0	0	0	0
Lake Gervais	Drinking Fountains		2004	15	2019	\$2,400	0	0	0	2,400	0
Lake Gervais	Exterior Steel Door (3)		2004	30	2034	\$3,500	0	0	0	0	0
Lake Gervais	Fishing Pier		2004	25	2029	\$25,000	0	0	0	0	0
Lake Gervais	Shower Tower		2004	15	2019	\$8,000	0	0	0	8,000	0
Lake Gervais	Irrigation Systems		2006	20	2026	\$7,500	0	0	0	0	0
Lake Gervais	Paint Exterior		2010	7	2017	\$2,000	0	2,000	0	0	0
Lake Gervais	Paint Interior		2010	7	2017	\$2,000	0	2,000	0	0	0
Lake Gervais	Roof-Metal		2004	20	2024	\$7,000	0	0	0	0	0
Lake Gervais	Siding Replacement-Hardy Plank		2004	30	2034	\$5,000	0	0	0	0	0
Lake Gervais	Signage		2005	12	2017	\$500	0	500	0	0	0
Lake Gervais	Site Amenities		2004	12	2016	\$20,000	20,000	0	0	0	0
Lake Gervais	Toilet Partitions		2004	25	2029	\$2,800	0	0	0	0	0
Lake Gervais	Toilets		2004	20	2024	\$2,000	0	0	0	0	0
Lake Gervais	Water heater		2004	10	2014	\$360	360	0	0	0	0
Lake Josephine	Boat Launch Planks		2014	25	2039	\$19,711	0	0	0	0	0
Lake Josephine	Build Floors		2005	30	2035	\$5,000	0	0	0	0	0
Lake Josephine	Cement Epoxy Recoat		2012	7	2019	\$3,088	0	0	0	3,088	0
Lake Josephine	Docks & Boat Facilities		2003	15	2018	\$5,600	0	0	5,600	0	0
Lake Josephine	Door Opener (Vending)		2005	30	2035	\$3,500	0	0	0	0	0
Lake Josephine	Drinking Fountains		2006	20	2026	\$2,400	0	0	0	0	0
Lake Josephine	Exterior Steel Door		2005	30	2035	\$3,500	0	0	0	0	0
Lake Josephine	Fishing Pier		2016	20	2036	\$35,000	0	0	0	0	0
Lake Josephine	Guard Tower		2006	15	2021	\$1,400	0	0	0	0	0
Lake Josephine	Paint Interior/Exterior		2012	7	2019	\$3,965	0	0	0	3,965	0
Lake Josephine	Play Surface		2012	10	2022	\$12,375	0	0	0	0	0
Lake Josephine	Roof Asphalt Shingle		2005	20	2025	\$8,000	0	0	0	0	0
Lake Josephine	Signage		2005	12	2017	\$800	0	800	0	0	0
Lake Josephine	Sign (ID) Construct						0	0	0	0	0
Lake Josephine	Sinks		2005	20	2025	\$2,000	0	0	0	0	0
Lake Josephine	Site Amenities		2005	12	2017	\$20,000	0	20,000	0	0	0
Lake Josephine	Speaker Systems		2005	15	2020	\$3,000	0	0	0	0	3,000
Lake Josephine	Toilet Partitions		2005	25	2030	\$4,200	0	0	0	0	0
Lake Josephine	Toilets		2005	20	2025	\$2,000	0	0	0	0	0
Lake Josephine	Water heater		2005	10	2015	\$360	360	0	0	0	0
Lake McCarron's	Boat Dock		2011	12	2023	\$4,382	0	0	0	0	0



COUNTY PARKS - CCAMP

2/13/2017

Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020
Lake McCarron's	Cement Epoxy Recoat-Restrooms		2012	7	2019	\$3,354	0	0	0	3,354	0
Lake McCarron's	Drinking Fountains		2013	15	2028	\$5,306	0	0	0	0	0
Lake McCarron's	Exterior Steel Door (6)		1997	30	2027	\$6,500	0	0	0	0	0
Lake McCarron's	Fishing Pier		1998	20	2018	\$25,000	0	0	25,000	0	0
Lake McCarron's	Foot WashShower Tower		2013	15	2028	\$3,126	0	0	0	0	0
Lake McCarron's	Guard Tower	Jennifer - review	1998	15	2013	\$1,400	1,400	0	0	0	0
Lake McCarron's	Irrigation Systems		1998	25	2023	\$10,000	0	0	0	0	0
Lake McCarron's	Overhead Roll Up		1998	30	2028	\$3,500	0	0	0	0	0
Lake McCarron's	Paint Interior/Exterior-Restrooms		2013	7	2020	\$4,565	0	0	0	0	4,565
Lake McCarron's	Play Surfaces Replacement		2012	12	2024	\$11,102	0	0	0	0	0
Lake McCarron's	Roof-Shingle-Beach Bldg		1998	20	2018	\$10,000	0	0	10,000	0	0
Lake McCarron's	Roof-Shingle-Shelter		1998	20	2018	\$6,000	0	0	6,000	0	0
Lake McCarron's	Signage		2005	12	2017	\$2,300	0	2,300	0	0	0
Lake McCarron's	Sinks		1998	30	2028	\$2,800	0	0	0	0	0
Lake McCarron's	Site Amenities		1998	12	2010	\$25,000	25,000	0	0	0	0
Lake McCarron's	Speaker Systems		1998	20	2018	\$3,000	0	0	3,000	0	0
Lake McCarron's	Toilet Partitions		1998	25	2023	\$4,200	0	0	0	0	0
Lake McCarron's	Toilets		1998	30	2028	\$9,800	0	0	0	0	0
Lake McCarron's	Water heater		2010	10	2020	\$300	0	0	0	0	300
Lake McCarron's	Water Play Features		2012	15	2027	\$7,300	0	0	0	0	0
Lake Owasso	Ballards	DEFERRED-PENDING REPLACEMENT					0	0	0	0	0
Lake Owasso	Boat Dock	DEFERRED-PENDING REPLACEMENT	2011	12	2023	\$4,382	0	0	0	0	0
Lake Owasso	Boat Launch Planks	DEFERRED-PENDING REPLACEMENT	2009	25	2034	\$40,000	0	0	0	0	0
Lake Owasso	Boat Launch Planks-Wabasso	DEFERRED-PENDING REPLACEMENT	1963	30	1993	\$30,000	30,000	0	0	0	0
Lake Owasso	Cement Epoxy Recoat-Restrooms	DEFERRED-PENDING REPLACEMENT	1963	7	1970	\$6,000	6,000	0	0	0	0
Lake Owasso	Docks & Boat Facilities	DEFERRED-PENDING REPLACEMENT	2009	20	2029	\$5,600	0	0	0	0	0
Lake Owasso	Drinking Fountains	DEFERRED-PENDING REPLACEMENT	1963	15	1978	\$2,400	2,400	0	0	0	0
Lake Owasso	Guard Tower	DEFERRED-PENDING REPLACEMENT	1993	15	2008	\$1,400	1,400	0	0	0	0
Lake Owasso	Paint Interior/Exterior	DEFERRED-PENDING REPLACEMENT	1995	7	2002	\$1,700	1,700	0	0	0	0
Lake Owasso	Play Surfaces	DEFERRED-PENDING REPLACEMENT	1997	12	2009	\$13,500	13,500	0	0	0	0
Lake Owasso	Roof-Shingle-Shelter (3)	DEFERRED-PENDING REPLACEMENT	1984	15	1999	\$13,000	13,000	0	0	0	0
Lake Owasso	Roofs Bituminous-Beach Bldg	DEFERRED-PENDING REPLACEMENT	1963	20	1983	\$8,000	8,000	0	0	0	0
Lake Owasso	Signage	DEFERRED-PENDING REPLACEMENT	2005	12	2017	\$1,700	0	1,700	0	0	0
Lake Owasso	Site Amenities	DEFERRED-PENDING REPLACEMENT	1963	12	1975	\$12,000	12,000	0	0	0	0
Lake Owasso	Water heater	DEFERRED-PENDING REPLACEMENT	1992	10	2002	\$360	360	0	0	0	0
Turtle Lake	Boat Launch Planks		2008	25	2033	\$30,000	0	0	0	0	0
Turtle Lake	Cement Epoxy Recoat		2012	7	2019	\$5,700	0	0	0	5,700	0
Turtle Lake	Docks & Boat Facilities		1970	20	1990	\$4,000	4,000	0	0	0	0
Turtle Lake	Exterior Steel Door		2012	30	2042	\$1,400	0	0	0	0	0
Turtle Lake	Fencing/Gates	Review	1988	25	2013	\$40,000	40,000	0	0	0	0
Turtle Lake	Irrigation Systems		2012	25	2037	\$8,000	0	0	0	0	0
Turtle Lake	Overhead Roll Up Door		2012	30	2042	\$1,500	0	0	0	0	0
Turtle Lake	Paint Interior/Exterior		2012	7	2019	\$8,000	0	0	0	8,000	0
Turtle Lake	Picnic Tables		2012	20	2032	\$30,000	0	0	0	0	0
Turtle Lake	Roof-Metal (Shelter)		2012	20	2032	\$12,000	0	0	0	0	0
Turtle Lake	Roof-Metal (Restroom)		2012	20	2032	\$12,000	0	0	0	0	0
Turtle Lake	Signage		2012	12	2024	\$7,000	0	0	0	0	0
Turtle Lake	Sinks		2012	20	2032	\$1,500	0	0	0	0	0
Turtle Lake	Site Amenities - grills, char. Bin		2012	12	2024	\$25,000	0	0	0	0	0
Turtle Lake	Site Amenities - drinking/foot fntns		2012	20	2032	\$25,000	0	0	0	0	0
Turtle Lake	Site Amenities - site lot lighting		2012	30	2042	\$15,000	0	0	0	0	0
Turtle Lake	Toilets, including valves, flushers		2012	20	2032	\$2,800	0	0	0	0	0
Turtle Lake	Toilet Partitions		2012	25	2037	\$4,500	0	0	0	0	0
Turtle Lake	Trash enclosure		2012	25	2037	\$20,000	0	0	0	0	0
Turtle Lake	Water heater		2012	10	2022	\$500	0	0	0	0	0
White Bear Lake	Boat Launch Plank		2009	25	2034	\$30,000	0	0	0	0	0

COUNTY PARKS - CCAMP

2/13/2017

Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx. Repl date	Present Value Repl Cost	2016 & Before	2017	2018	2019	2020
White Bear Lake	Cement Epoxy Recoat-Restrooms		2011	7	2018	\$3,105	0	0	3,105	0	0
White Bear Lake	Docks & Boat Facilities		2009	15	2024	\$6,800	0	0	0	0	0
White Bear Lake	Drinking Fountains		2010	20	2030	\$3,900	0	0	0	0	0
White Bear Lake	Fencing/Gates	Review	1984	30	2014	\$25,000	25,000	0	0	0	0
White Bear Lake	Guard Tower		1996	15	2011	\$700	700	0	0	0	0
White Bear Lake	Irrigation Systems		2013	25	2038	\$8,896	0	0	0	0	0
White Bear Lake	Lift Station Pumps (2)		1996	10	2006	\$5,000	5,000	0	0	0	0
White Bear Lake	Overhead Roll Up Door		1996	30	2026	\$3,500	0	0	0	0	0
White Bear Lake	Paint Interior/Exterior		2010	7	2017	\$7,600	0	7,600	0	0	0
White Bear Lake	Play Surfaces		2012	15	2027	\$12,065	0	0	0	0	0
White Bear Lake	Roof - Shingle		2013	20	2033	\$17,449	0	0	0	0	0
White Bear Lake	Signage		2004	12	2016	\$1,000	1,000	0	0	0	0
White Bear Lake	Sinks		1996	20	2016	\$2,800	2,800	0	0	0	0
White Bear Lake	Site Amenities		2009	12	2021	\$25,000	0	0	0	0	0
White Bear Lake	Speaker Systems		1996	20	2016	\$3,000	3,000	0	0	0	0
White Bear Lake	Toilet Partitions		1996	25	2021	\$2,500	0	0	0	0	0
White Bear Lake	Toilets		1996	20	2016	\$9,800	9,800	0	0	0	0
White Bear Lake	Water heater		2010	10	2020	\$500	0	0	0	0	500
							<u>246,380</u>	<u>86,356</u>	<u>57,636</u>	<u>34,507</u>	<u>8,965</u>

GOLF COURSES - CCAMP

2/13/2017

Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Val Repl Cost	2016 & Before	2017	2018	2019	2020	2021
Goodrich Golf Co	Irrigation System-Central Controller	2015 CCAMP	1995	20	2015	\$25,000	25,000	0	0	0	0	0
Goodrich Golf Co	Irrigation System-Swing Joints		1995	25	2020	\$25,000	0	0	0	0	25,000	0
Goodrich Golf Co	Paint Shelter (2)	2010 CCAMP-REPLACED SHELTER	2010	7	2017	\$500	0	500	0	0	0	0
Goodrich Golf Co	Roof Shelter (2)	2010 CCAMP-REPLACED SHELTER	2010	20	2030	\$5,000	0	0	0	0	0	0
Goodrich Golf Co	Signage		2002	12	2014	\$12,000	12,000	0	0	0	0	0
Goodrich Pro Sho	AHU Basement		2001	20	2021	\$4,600	0	0	0	0	0	4,600
Goodrich Pro Sho	Bottle cooler		2015	10	2025	\$3,500	0	0	0	0	0	0
Goodrich Pro Sho	Carpet bar area/Meeting Room	2011 CCAMP	2012	10	2022	\$9,029	0	0	0	0	0	0
Goodrich Pro Sho	Clean and tuck point		2001	10	2011	\$12,000	12,000	0	0	0	0	0
Goodrich Pro Sho	Counters for bar area		2016	15	2031	\$5,700	0	0	0	0	0	0
Goodrich Pro Sho	Dishwasher	2014 CCAMP	2014	10	2024	\$5,335	0	0	0	0	0	0
Goodrich Pro Sho	Double Door Cooler		2015	10	2025	\$3,000	0	0	0	0	0	0
Goodrich Pro Sho	Double Door Freezer	2011 CCAMP	2011	10	2021	\$3,561	0	0	0	0	0	3,561
Goodrich Pro Sho	Elect Water heater		2001	20	2021	\$1,300	0	0	0	0	0	1,300
Goodrich Pro Sho	Exterior windows		2001	20	2021	\$13,200	0	0	0	0	0	13,200
Goodrich Pro Sho	Exterior lighting (LED)		2016	10	2026	\$3,500	0	0	0	0	0	0
Goodrich Pro Sho	Fire monitor system		2001	20	2021	\$7,200	0	0	0	0	0	7,200
Goodrich Pro Sho	Furnace with A/C		2001	20	2021	\$6,800	0	0	0	0	0	6,800
Goodrich Pro Sho	Furnace with A/C		2001	20	2021	\$6,800	0	0	0	0	0	6,800
Goodrich Pro Sho	Furnace with A/C		2001	20	2021	\$6,800	0	0	0	0	0	6,800
Goodrich Pro Sho	Gas Water heater	2015 CCAMP	1995	20	2015	\$800	800	0	0	0	0	0
Goodrich Pro Sho	Glass froster	2011 CCAMP	2011	10	2021	\$2,275	0	0	0	0	0	2,275
Goodrich Pro Sho	Greens fee counter		2016	15	2031	\$3,500	0	0	0	0	0	0
Goodrich Pro Sho	Gutters (added 11-2013)	2013 CCAMP	2013	15	2028	\$4,225	0	0	0	0	0	0
Goodrich Pro Sho	Ice maker/chest	2011 CCAMP	2011	10	2021	\$3,238	0	0	0	0	0	3,238
Goodrich Pro Sho	Paint exterior	2014 CCAMP	2014	7	2021	\$11,093	0	0	0	0	0	11,093
Goodrich Pro Sho	Paint interior walls	2011 CCAMP	2016	10	2026	\$10,000	0	0	0	0	0	0
Goodrich Pro Sho	Patio Furniture		2003	10	2013	\$10,000	10,000	0	0	0	0	0
Goodrich Pro Sho	Phone system		2016	10	2026	\$2,500	0	0	0	0	0	0
Goodrich Pro Sho	Roof Replacement-Shingle		2001	20	2021	\$32,200	0	0	0	0	0	32,200
Goodrich Pro Sho	Sandwich Maker		2001	10	2011	\$1,700	1,700	0	0	0	0	0
Goodrich Pro Sho	Security system		2015	10	2025	\$3,300	0	0	0	0	0	0
Goodrich Pro Sho	Tile Sealcoating-Bathrooms	add 12-2013 2014 CCAMP	2014	5	2019	\$3,206	0	0	0	3,206	0	0
Goodrich Pro Sho	Tile Sealcoating-Kitchen	2014 CCAMP	2014	5	2019	\$3,101	0	0	0	3,101	0	0
Goodrich Pro Sho	Toilet Partitions		2001	25	2026	\$4,500	0	0	0	0	0	0
Goodrich Pro Sho	Walk in cooler		2016	15	2031	\$12,000	0	0	0	0	0	0
Goodrich Pro Sho	Wireless Infrastructure		2016	10	2026	\$1,500	0	0	0	0	0	0
Goodrich Irrig Purn	Exterior Door		2008	15	2023	\$600	0	0	0	0	0	0
Goodrich Irrig Purn	Exterior Window (1)		2008	15	2023	\$600	0	0	0	0	0	0
Goodrich Irrig Purn	Replace Shingle Roof		2008	20	2028	\$3,200	0	0	0	0	0	0
Goodrich Irrig Purn	Paint exterior	2014 CCAMP	2014	7	2021	\$700	0	0	0	0	0	700
Goodrich Irrig Purn	Roof Access		2008	15	2023	\$1,500	0	0	0	0	0	0
Goodrich Deep W	Clean and Tuck Point	2005 OPERATING BUDGET	2006	10	2016	\$800	800	0	0	0	0	0
Goodrich Deep W	Equipment Door	2005 OPERATING BUDGET	2006	15	2021	\$1,800	0	0	0	0	0	1,800
Goodrich Deep W	Exterior Door	2005 OPERATING BUDGET	2006	15	2021	\$600	0	0	0	0	0	600
Goodrich Pump H	Deep Well & Motor Refurbish		2008	10	2018	\$35,000	0	0	35,000	0	0	0
Goodrich Pump H	Irrigation System-VFD & Pumps Motors Refurbish		2008	10	2018	\$35,000	0	0	35,000	0	35,000	0
Goodrich Deep W	Paint Exterior	2014 CCAMP	2014	7	2021	\$700	0	0	0	0	0	700
Goodrich Deep W	Replace Shingle Roof	2005 OPERATING BUDGET	2006	20	2026	\$3,200	0	0	0	0	0	0
Goodrich Deep W	Roof Access	2005 OPERATING BUDGET	2006	15	2021	\$600	0	0	0	0	0	600
Goodrich Deep W	Exterior Windows (2)	2005 OPERATING BUDGET	2006	15	2021	\$1,600	0	0	0	0	0	1,600
Goodrich Deep W	Wood Flashing	2005 OPERATING BUDGET	2006	10	2016	\$1,200	1,200	0	0	0	0	0
	<b>Goodrich subtotals</b>						63,500	500	70,000	6,307	60,000	105,067
Keller Golf Course	Paint Halfway House	2010 OPERATING BUDGET	2010	15	2025	\$1,000	0	0	0	0	0	0

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Keller Golf Course	Driving range netting		2013	7	2020	\$49,000	0	0	0	0	49,000	0
Keller Golf Course	Replace Fixtures Halfway House	2010 CCAMP	2010	20	2030	\$1,700	0	0	0	0	0	0
Keller Golf Course	Replace Halfway House Roof	2010 CCAMP	2011	20	2031	\$2,650	0	0	0	0	0	0
Keller Golf Course	Replace Shelter Roof (1)	2010 CCAMP	2011	30	2041	\$9,350	0	0	0	0	0	0
Keller Golf Course	Seal Floors Halfway House	2010 CCAMP	2010	20	2030	\$86	0	0	0	0	0	0
Keller Golf Course	Signage		2003	12	2015	\$15,000	15,000	0	0	0	0	0
Keller Maintenanc	Air Compressor	extend life to 20 years	2002	20	2022	\$1,800	0	0	0	0	0	0
Keller Maintenanc	Biostax		2002	15	2017	\$20,000	0	20,000	0	0	0	0
Keller Maintenanc	Bituminous Overlay		2002	20	2022	\$20,280	0	0	0	0	0	0
Keller Maintenanc	Caulk exterior panels	2012 CCAMP (not completed)	2002	10	2012	\$2,600	2,600	0	0	0	0	0
Keller Maintenanc	Exhaust fan		2002	25	2027	\$350	0	0	0	0	0	0
Keller Maintenanc	Exterior OH doors		2002	12	2014	\$8,400	8,400	0	0	0	0	0
Keller Maintenanc	Exterior Steel doors	2015 CCAMP	2016	20	2036	\$11,000	0	0	0	0	0	0
Keller Maintenanc	Exterior windows		2002	20	2022	\$9,000	0	0	0	0	0	0
Keller Maintenanc	Fire pumps & suppression		2002	20	2022	\$9,600	0	0	0	0	0	0
Keller Maintenanc	Fire sprinkler controls		2002	15	2017	\$3,500	0	3,500	0	0	0	0
Keller Maintenanc	Furnace A / C unit		2016	20	2036	\$16,000	0	0	0	0	0	0
Keller Maintenanc	Luxury vinyl flooring (offices)		2016	15	2031	\$22,000	0	0	0	0	0	0
Keller Maintenanc	New security system		2002	20	2022	\$5,200	0	0	0	0	0	0
Keller Maintenanc	North unit heater		2002	20	2022	\$950	0	0	0	0	0	0
Keller Maintenanc	Original walkways		2002	20	2022	\$4,000	0	0	0	0	0	0
Keller Maintenanc	Paint interior walls	2012 CCAMP	2012	7	2019	\$497	0	0	0	497	0	0
Keller Maintenanc	Pesticide Shed		2002	20	2022	\$20,000	0	0	0	0	0	0
Keller Maintenanc	Radiant heat		2002	20	2022	\$3,500	0	0	0	0	0	0
Keller Maintenanc	Replace roof-Metal		2002	30	2032	\$9,600	0	0	0	0	0	0
Keller Maintenanc	Seal coat floor - cold storage	2012 CCAMP (not completed)	2002	10	2012	\$5,760	5,760	0	0	0	0	0
Keller Maintenanc	Seal floor inshop area	2012 CCAMP	2012	10	2022	\$4,222	0	0	0	0	0	0
Keller Maintenanc	Snow Guards	2014 CCAMP	2014	10	2024	\$4,570	0	0	0	0	0	0
Keller Maintenanc	South unit heater		2002	20	2022	\$950	0	0	0	0	0	0
Keller Maintenanc	Storage Tank-Aboveground	Fleet?	2002	15	2017	\$25,000	0	25,000	0	0	0	0
Keller Maintenanc	Toilet partitions		2002	25	2027	\$6,300	0	0	0	0	0	0
Keller Maintenanc	Vehicle hoist		2002	25	2027	\$11,500	0	0	0	0	0	0
Keller Maintenanc	Water heater		2002	20	2022	\$1,400	0	0	0	0	0	0
Keller Pole Building	Overhead lights		2002	20	2022	\$650	0	0	0	0	0	0
Keller Pole Building	Paint exterior steel		2002	20	2022	\$5,200	0	0	0	0	0	0
Keller Pole Building	Two OH doors	2012 CCAMP	2012	15	2027	\$3,923	0	0	0	0	0	0
Keller Pole Building	Replace Roof-Metal											
Keller Pro Shop Bld	Carpet-1st Floor	DEFERRED-PENDING REPLACEMENT	1998	10	2008	\$3,600	0	0	0	0	0	0
Keller Pro Shop Bld	Clean and tuck point	DEFERRED-PENDING REPLACEMENT	2005	10	2015	\$3,600	0	0	0	0	0	0
Keller Pro Shop Bld	Electric unit heater	DEFERRED-PENDING REPLACEMENT	1986	20	2006	\$1,200	0	0	0	0	0	0
Keller Pro Shop Bld	Electric unit heater	DEFERRED-PENDING REPLACEMENT	1986	20	2006	\$1,200	0	0	0	0	0	0
Keller Pro Shop Bld	Exterior doors	DEFERRED-PENDING REPLACEMENT	1993	15	2008	\$2,400	0	0	0	0	0	0
Keller Pro Shop Bld	Exterior windows	DEFERRED-PENDING REPLACEMENT	1986	15	2001	\$7,500	0	0	0	0	0	0
Keller Pro Shop Bld	Paint interior	DEFERRED-PENDING REPLACEMENT	2001	7	2008	\$2,300	0	0	0	0	0	0
Keller Pro Shop Bld	Replace roof-Shingle	DEFERRED-PENDING REPLACEMENT	1993	20	2013	\$5,600	0	0	0	0	0	0
Keller Pro Shop Bld	Security System	DEFERRED-PENDING REPLACEMENT	1999	20	2019	\$4,000	0	0	0	0	0	0
Keller Pro Shop Bld	Window Air Conditioner	DEFERRED-PENDING REPLACEMENT	1997	10	2007	\$650	0	0	0	0	0	0
Keller Pro Shop Bld	Window Air Conditioner	DEFERRED-PENDING REPLACEMENT	1997	10	2007	\$650	0	0	0	0	0	0
Keller Pump House	Boost pump motor	2006 OPERATING BUDGET	2006	12	2018	\$3,500	0	0	3,500	0	0	0
Keller Pump House	Clean and tuck point		1987	10	1997	\$1,800	1,800	0	0	0	0	0
Keller Pump House	Deep well pump	2006 OPERATING BUDGET	2006	15	2021	\$18,000	0	0	0	0	0	18,000
Keller Pump House	Equipment door	2012 CCAMP	2012	25	2037	\$1,729	0	0	0	0	0	0
Keller Pump House	Exterior door	2012 CCAMP	2012	25	2037	\$1,822	0	0	0	0	0	0
Keller Pump House	Exterior windows	2012 CCAMP	2012	25	2037	\$168	0	0	0	0	0	0
Keller Pump House	Irrigation System-Central Controller		2006	20	2026	\$25,000	0	0	0	0	0	0

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Keller Pump House	Irrigation System-Deep Well & Motor Refurbish		2007	10	2017	\$20,000	0	20,000	0	0	0	0
Keller Pump House	Irrigation System-VFD & Dist Motors Refurbish		2001	15	2016	\$25,000	25,000	0	0	0	0	0
Keller Pump House	Main boost pump	2006 OPERATING BUDGET	2006	15	2021	\$10,000	0	0	0	0	0	10,000
Keller Pump House	Paint exterior	2010 CCAMP	2010	12	2022	\$500	0	0	0	0	0	0
Keller Pump House	Replace roof-Shingle	2010 CCAMP	2010	20	2030	\$1,200	0	0	0	0	0	0
Keller Pump House	Roof access	2010 OPERATING BUDGET	2010	25	2035	\$600	0	0	0	0	0	0
Keller Pump House	Well pump controls		1997	15	2012	\$8,300	8,300	0	0	0	0	0
Keller Pump House	Wood flashing	2010 OPERATING BUDGET	2010	10	2020	\$978	0	0	0	0	978	0
		<b>Keller subtotals</b>					66,860	68,500	3,500	497	49,978	28,000
Manitou Clubhouse	Bar area/ snack bar counters		2015	20	2035	\$22,000	0	0	0	0	0	0
Manitou Clubhouse	Caulk exterior Siding	OPERATING BUDGET	2007	15	2022	\$1,650	0	0	0	0	0	0
Manitou Clubhouse	Exterior Steel doors		1994	15	2009	\$5,600	5,600	0	0	0	0	0
Manitou Clubhouse	Exterior windows	2014 CCAMP	1994	20	2014	\$13,000	13,000	0	0	0	0	0
Manitou Clubhouse	Fire pumps & suppression	not replacing in 2014	1994	20	2014	\$9,600	9,600	0	0	0	0	0
Manitou Clubhouse	Flooring-Rubber		2015	10	2025	\$10,500	0	0	0	0	0	0
Manitou Clubhouse	Fire sprinkler controls		1994	15	2009	\$3,500	3,500	0	0	0	0	0
Manitou Clubhouse	Furnace (3)	2010 CCAMP	2011	20	2031	\$21,065	0	0	0	0	0	0
Manitou Clubhouse	Furnace Air Handling Unit	2015 CCAMP	1994	20	2014	\$24,000	24,000	0	0	0	0	0
Manitou Clubhouse	A/C Unit - 5 Ton	2013 CCAMP	2013	20	2033	\$5,315	0	0	0	0	0	0
Manitou Clubhouse	A/C Unit - 3 1/2 Ton (2)	2014 CCAMP	2015	20	2035	\$11,000	0	0	0	0	0	0
Manitou Clubhouse	Hot water heater	2014 CCAMP	2015	20	2035	\$7,600	0	0	0	0	0	0
Manitou Clubhouse	Interior wood ceilings		1994	15	2009	\$3,700	3,700	0	0	0	0	0
Manitou Clubhouse	New security system	not replacing in 2014	1994	20	2014	\$5,200	5,200	0	0	0	0	0
Manitou Clubhouse	Paint interior walls		2015	10	2025	\$5,000	0	0	0	0	0	0
Manitou Clubhouse	Paint exterior	2015 CCAMP	2015	7	2022	\$18,000	0	0	0	0	0	0
Manitou Clubhouse	Parking lot striping		2016	7	2023	\$2,500	0	0	0	0	0	0
Manitou Clubhouse	Replace carpet	2008 CCAMP	2009	10	2019	\$16,000	0	0	0	16,000	0	0
Manitou Clubhouse	Replace roof	2014 CCAMP	2015	20	2035	\$25,000	0	0	0	0	0	0
Manitou Clubhouse	Security System		2015	10	2025	\$10,000	0	0	0	0	0	0
Manitou Clubhouse	Telephone System	2013 CCAMP	2013	15	2028	\$4,831	0	0	0	0	0	0
Manitou Clubhouse	Toilet partitions		1994	25	2019	\$6,300	0	0	0	6,300	0	0
Manitou Clubhouse	Walkways & patio		1994	20	2014	\$12,300	12,300	0	0	0	0	0
Manitou Course	Irrigation System-Central Controller		2005	20	2025	\$25,000	0	0	0	0	0	0
Manitou Course	Irrigation Sys-Deep Well & Motor Refurbish	2006 OPER/2013 CCAMP	2013	10	2023	\$14,628	0	0	0	0	0	0
Manitou Course	Irrigation System-Swing Joints		1978	25	2003	\$40,000	40,000	0	0	0	0	0
Manitou Course	Irrigation Sys-VFD & Dist Motors Refurbish		2000	15	2015	\$25,000	25,000	0	0	0	0	0
Manitou Course	Ponds - Seal		2004	12	2016	\$5,000	5,000	0	0	0	0	0
Manitou Course	Signage	2012 CCAMP	2012	12	2024	\$6,700	0	0	0	0	0	0
		<b>Manitou subtotals</b>					151,100	0	0	22,300	0	0
PONDS-CLUB	Walkways & patio		2003	20	2023	\$12,300	0	0	0	0	0	0
PONDS-CLUB	Bottle Cooler		2003	10	2013	\$1,400	1,400	0	0	0	0	0
PONDS-CLUB	Caulk exterior hardy plank		2003	15	2018	\$1,650	0	0	1,650	0	0	0
PONDS-CLUB	Dishwasher	2014 CCAMP	2014	10	2024	\$5,335	4,300	0	0	0	0	0
PONDS-CLUB	Exterior Steel doors		2003	15	2018	\$5,600	0	0	5,600	0	0	0
PONDS-CLUB	Exterior windows		2003	20	2023	\$13,000	0	0	0	0	0	0
PONDS-CLUB	Fire pumps & suppression		2003	20	2023	\$9,600	0	0	0	0	0	0
PONDS-CLUB	Fire sprinkler controls		2003	15	2018	\$3,500	0	0	3,500	0	0	0
PONDS-CLUB	Freezer		2015	10	2025	\$2,800	0	0	0	0	0	0
PONDS-CLUB	Furnace with A/C units		2003	20	2023	\$13,200	0	0	0	0	0	0
PONDS-CLUB	Hot water heater		2003	20	2023	\$7,600	0	0	0	0	0	0
PONDS-CLUB	Ice cube maker		2003	10	2013	\$1,000	1,000	0	0	0	0	0
PONDS-CLUB	Interior wood ceilings		2003	20	2023	\$3,700	0	0	0	0	0	0
PONDS-CLUB	Paint and stain exterior	2015 CCAMP	2015	12	2027	\$15,000	0	0	0	0	0	0
PONDS-CLUB	Paint interior walls	2014 CCAMP	2014	10	2024	\$8,090	0	0	0	0	0	0
PONDS-CLUB	Parking lot	2016 - seal coat/stripe	2016	6	2022	\$19,000	0	0	0	0	0	0

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PONDS-CLUB	Patio Furniture		2003	10	2013	\$10,000	10,000	0	0	0	0	0
PONDS-CLUB	Reach-in Refrigerator		2015	10	2025	\$3,000	0	0	0	0	0	0
PONDS-CLUB	Replace carpet/rubber flooring	2014 CCAMP	2014	10	2024	\$12,290	0	0	0	0	0	0
PONDS-CLUB	Replace roof		2016	30	2046	\$33,000	0	0	0	0	0	0
PONDS-CLUB	Security system		2015	10	2025	\$2,400	0	0	0	0	0	0
PONDS-CLUB	Snack bar counters		2003	20	2023	\$3,500	0	0	0	0	0	0
PONDS-CLUB	Tile Sealcoating-Bathrooms	2014 CCAMP	2014	5	2019	\$1,763	0	0	0	1,763	0	0
PONDS-CLUB	Tile Sealcoating-Kitchen	2014 CCAMP	2014	5	2019	\$2,750	0	0	0	2,750	0	0
PONDS-CLUB	Toilet partitions, toilets, sinks		2003	25	2028	\$20,000	0	0	0	0	0	0
PONDS-MAINT	Air Compressor		2003	12	2015	\$1,800	1,800	0	0	0	0	0
PONDS-MAINT	Air exchange unit in Shop		2003	15	2018	\$7,350	0	0	7,350	0	0	0
PONDS-MAINT	Caulk exterior panels		2003	10	2013	\$2,600	2,600	0	0	0	0	0
PONDS-MAINT	Exhaust fan		2003	25	2028	\$350	0	0	0	0	0	0
PONDS-MAINT	Exhaust fan		2003	25	2028	\$350	0	0	0	0	0	0
PONDS-MAINT	Exterior OH doors		2003	12	2015	\$4,200	4,200	0	0	0	0	0
PONDS-MAINT	Exterior Steel doors		2003	15	2018	\$2,600	0	0	2,600	0	0	0
PONDS-MAINT	Exterior windows		2003	20	2023	\$2,700	0	0	0	0	0	0
PONDS-MAINT	Fire pumps & suppression	don't have-delete	2003	20	2023	\$0	0	0	0	0	0	0
PONDS-MAINT	Fire sprinkler controls	don't have-delete	2003	15	2018	\$0	0	0	0	0	0	0
PONDS-MAINT	Flooring-Rubber (breakroom)	2014 CCAMP	2014	10	2024	\$6,000	0	0	0	0	0	0
PONDS-MAINT	Flooring-Carpet (offices)	2014 CCAMP	2014	12	2026	\$1,632	0	0	0	0	0	0
PONDS-MAINT	Furnace A / C unit		2003	20	2023	\$7,800	0	0	0	0	0	0
PONDS-MAINT	Furnace with A/C unit		2003	20	2023	\$4,700	0	0	0	0	0	0
PONDS-MAINT	Maint. Room heater		2003	20	2023	\$2,900	0	0	0	0	0	0
PONDS-MAINT	Security system		2015	10	2025	\$2,400	0	0	0	0	0	0
PONDS-MAINT	Paint interior walls		2003	7	2010	\$3,100	3,100	0	0	0	0	0
PONDS-MAINT	Radiant heat		2003	20	2023	\$3,500	0	0	0	0	0	0
PONDS-MAINT	Replace roof		2003	30	2033	\$21,000	0	0	0	0	0	0
PONDS-MAINT	Seal floor inshop area	2014 CCAMP	2003	10	2013	\$7,400	7,400	0	0	0	0	0
PONDS-MAINT	Snow Guards	2014 CCAMP (new in 2014)	2014	10	2024	\$4,330	0	0	0	0	0	0
PONDS-MAINT	Toilet partitions, toilets, sinks		2003	25	2028	\$15,000	0	0	0	0	0	0
PONDS-MAINT	Vehicle hoist		2003	25	2028	\$11,500	0	0	0	0	0	0
PONDS-MAINT	Water heater		2003	20	2023	\$1,400	0	0	0	0	0	0
PONDS-POLE	Air exchange unit		2003	20	2023	\$3,500	0	0	0	0	0	0
PONDS-POLE	Caulk exterior metal panels		2003	10	2013	\$750	750	0	0	0	0	0
PONDS-POLE	Exterior service door		2003	15	2018	\$800	0	0	800	0	0	0
PONDS-POLE	Overhead lights		2003	20	2023	\$650	0	0	0	0	0	0
PONDS-POLE	Paint exterior steel		2003	20	2023	\$5,800	0	0	0	0	0	0
PONDS-POLE	Replace roof		2003	30	2033	\$9,500	0	0	0	0	0	0
PONDS-POLE	Seal coat floor		2003	10	2013	\$7,200	7,200	0	0	0	0	0
PONDS-POLE	Two OH doors		2003	15	2018	\$2,800	0	0	2,800	0	0	0
PONDS-PUMP	Equipment door		2003	15	2018	\$1,800	0	0	1,800	0	0	0
PONDS-PUMP	Exterior door		2003	15	2018	\$600	0	0	600	0	0	0
PONDS-PUMP	Exterior windows		2003	15	2018	\$400	0	0	400	0	0	0
PONDS-PUMP	Main boost pump & motor	2015 CCAMP	2015	12	2027	\$4,500	0	0	0	0	0	0
PONDS-PUMP	Paint exterior		2015	12	2027	\$1,200	0	0	0	0	0	0
PONDS-PUMP	Replace roof		2003	20	2023	\$3,200	0	0	0	0	0	0
PONDS-PUMP	Roof access		2003	12	2015	\$600	600	0	0	0	0	0
PONDS-PUMP	VFD Pump system controls	2015 CCAMP	2003	12	2015	\$8,000	8,000	0	0	0	0	0
PONDS-PUMP	Well pump controls	2015 CCAMP	2003	12	2015	\$12,000	12,000	0	0	0	0	0
PONDS-PUMP	Wood flashing		2003	10	2013	\$1,200	1,200	0	0	0	0	0
PONDS-COURSE	Bridges		2003	10	2013	\$20,000	20,000	0	0	0	0	0
PONDS-COURSE	Bunkers-Hole #1 (2)		2003	100	2103	\$10,000	0	0	0	0	0	0
PONDS-COURSE	Bunkers-Hole #2 (3)		2003	100	2103	\$10,000	0	0	0	0	0	0
PONDS-COURSE	Bunkers-Hole #3 (3)		2003	100	2103	\$15,000	0	0	0	0	0	0

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2/13/2017

Loc	Subsystem Description	Funding	Most current install date	Approx. Life Cycle	Approx Repl date	Present Valu Repl Cost	2016 & Before	2017	2018	2019	2020	2021	
PONDS-COURSE	Bunkers-Hole #5 (4)		2003	100	2103	\$15,000	0	0	0	0	0	0	
PONDS-COURSE	Bunkers-Hole #6 (1)		2003	100	2103	\$5,000	0	0	0	0	0	0	
PONDS-COURSE	Bunkers-Hole #7 (4)		2003	100	2103	\$15,000	0	0	0	0	0	0	
PONDS-COURSE	Bunkers-Hole #8 (2)		2003	100	2103	\$5,000	0	0	0	0	0	0	
PONDS-COURSE	Bunkers-Hole #9 (2)		2003	100	2103	\$10,000	0	0	0	0	0	0	
PONDS-COURSE	Fencing (along Century Ave)		2010	20	2030	\$25,000	0	0	0	0	0	0	
PONDS-COURSE	Irrigation System-Central Controller		2012	5	2017	\$15,000	0	15,000	0	0	0	0	
PONDS-COURSE	Irrigation System-Deep Well & Motor Refurbish Components	2015 CCAMP	2015	12	2027	\$6,000	0	0	0	0	0	0	
PONDS-COURSE	Irrigation System-Sprinkler Heads		2003	25	2028	\$35,000	0	0	0	0	0	0	
PONDS-COURSE	Irrigation System-Swing Joints		2003	25	2028	\$17,500	0	0	0	0	0	0	
PONDS-COURSE	Irrigation System-VFD & Dist Motors Refurbish	2015 CCAMP	2015	12	2027	\$13,000	0	0	0	0	0	0	
PONDS-COURSE	Signage		2003	15	2018	\$10,000	0	0	10,000	0	0	0	
PONDS-COURSE	Turf Tee line - Replace	2013 PROJECT FUND	2013	15	2028	\$19,402	0	0	0	0	0	0	
<b>Ponds subtotals</b>								85,550	15,000	37,100	4,513	0	0
<b>GOLF COURSE TOTAL</b>								367,010	84,000	110,600	33,617	109,978	133,067



**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Ramsey County Community Corrections

**Project Title or Item:** Community Corrections Juvenile Institutions

**PROJECT DESCRIPTION: (Attach supporting documents.)**

The original proposed project was for the replacement of the facility housing the Boy's Totem Town (BTT) program. The Board supported a pre-design study in 2008 (\$100,000) that illustrated the need for this direction. Funds were subsequently allocated to develop a comprehensive Juvenile Corrections Plan. The objectives were to:

- Review the two juvenile facilities operated by the Corrections Department and assess whether or not there were viable alternatives to their current sites that would reduce operating costs.
- Make recommendations about how to most effectively meet the needs of juveniles, including best practices in facility design and practices.
- Position the Department for the future so that it can maintain high quality services, at the same time improving efficient delivery of services for a variable juvenile population.
- Develop a plan that is responsive to all the stakeholders in the juvenile justice system (community, parents, courts, sheriff, police, County Attorney's Office and County Board.)
- Assess alternative uses for the existing facilities/grounds.
- Assess future costs of the recommendations, identify and recommend strategies.
- Assess need for continuation of services at BTT.

In 2012-2013, initial funding of \$3,500,000 was allocated and bonded for the development of a joint facility that would house both Boy's Totem Town (BTT) and the Juvenile Detention Center (JDC) with the remaining funding projected for subsequent years. Owing to decreased average daily populations at our facilities and capitalizing on our experience of working with alternatives to institutionalization, the Department hypothesized that, if we were able to expand the service delivery continuum for youth in the County, we might be able to appropriately divert more youth from restrictive residential treatment. To that end, the Department contracted with Huskey Associates to examine whether a correctional residential treatment facility (BTT) was needed in Ramsey County and if so, what could be done to better "right size" both BTT & JDC. Critical to developing this answer was a determination as to whether the community service continuum currently in place is adequate to provide the least restrictive and appropriate setting for youth involved in the justice system and which would consequently support the development of smaller institutions. In February 2013, the County Board reviewed the consultant findings. Between 2014 and 2016, Ramsey County explored funding a joint facility with Hennepin County. After joint community meetings and careful consideration, an agreement was reached that the two counties would move forward independently and no longer continue to pursue a joint facility. To date, no final decision has been made on the options under consideration.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$0 - \$40,000,000	\$0 to \$13,000,000	\$0 to \$13,000,000	\$0 to \$14,000,000	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$0 - \$40,000,000</b>	<b>\$0 to \$13,000,000</b>	<b>\$0 to \$13,000,000</b>	<b>\$0 to \$14,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

\*Estimated funding range represents lowest and highest cost estimate of \$2 to \$37 million, as detailed in Huskey & Associates Juvenile Corrections Plan presented to the County Board on 2/12/2013, plus a cost escalator of approximately 3% per year, less existing funding. To date, no options have been finalized.

**PREVIOUS PROJECT FUNDING:**

Place a Check mark in the Correct Box:	No	Yes	IF YES:	Year(s)	Amount
	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
				2008	\$ 98,472
				2012	\$ 500,000
				2013	\$ 3,000,000

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager recommends financing this project using bond proceeds of \$500,000 in 2018 and \$500,000 in 2019. This funding is to further develop the pre-design process for determining the appropriate size and location of a correctional residential treatment facility for youth involved in the justice system. Approximately \$340,000 of the \$500,000 remains in the 2012 budget and the full amount of \$3,000,000 remains in the 2013 budget. The original 2013 budget was \$5,000,000, with \$2,000,000 transferred to the Rice Creek Commons project.



**MAJOR CIP PROJECTS - QUESTIONS**

**A. PROJECT DESCRIPTION**

**1. Is the project a replacement? Major renovation? New development/asset?**

**2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?**

**3. Are there alternative sites?**

**4. What is the estimated size?**

**a. Building square footage**

**b. Acres of land needed**

**c. Is parking space required? How much?**

**5. How is the space to be utilized?**

**a. Office space square footage**

**b. Program space square footage**

**6. How many employees will occupy the space?**

**a. Current Staff**

**b. New positions/staff needed**

**7. Who provided the cost estimate? When?**

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

**8. For how long is the cost estimate valid?**

**9. When does the project need to begin?**

**10. Who will oversee the project?**

**a. County staff - Describe experience**

**b. Outside consultant - Describe experience**

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ -	-	-	-	-	-	-
Construction	\$ -	-	-	-	-	-	-
Furniture, Fixtures & Equipment	\$ -	-	-	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other (Describe)	\$ -	-	-	-	-	-	-
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

**B. NARRATIVE JUSTIFICATION**

1. Why is this project needed? Reasons

2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?

3. What are the positive aspects of the current building and/or site?

4. Who performed the functional analysis? Qualifications?

5. What other alternatives have been explored? Describe

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

1. How long can existing space/situation be continued?

2. Can remodeling or other work extend this time? How long? What are the estimated costs?

3. How are current operating costs being affected?

4. What are the consequences of not beginning the project in the year requested (other than increased cost)?

**D. IMPACT ON FUTURE OPERATING COSTS**

1. Estimated cost of new staff positions needed. When? Is/will funding be available?

2. Are there any future cost savings?

3. Estimated annual maintenance costs:

a. Maintenance/Custodial

b. Heating/Cooling/Lighting

4. Are there any federal/state laws mandating increased operating costs?

**E. IMPACT ON FUTURE REVENUES**

1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		\$ -				\$ -	
c. Operating Costs		\$ -				\$ -	
d. Staff Costs		\$ -				\$ -	
e. Replacement		\$ -				\$ -	
f. Debt Costs (bonds)		\$ -				\$ -	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**

Preliminary Cost Estimates Table 4.4 from Huskey & Associates Report

Historical Documents:

Original Pre-Design Study

Original 2012-2017 CIP Major Project Request with County Manager comments.

Original 2014-2019 CIP Major Project Request.

# **PRE-DESIGN SUMMARY STATEMENT**

## **PRE-DESIGN SUMMARY STATEMENT**

### ***Pre-Design Process***

#### **For the renovation of Boys Totem Town**

#### **A Ramsey County Community Corrections Facility in St. Paul, MN**

In the fall and early winter of 2008, KKE Architects in conjunction with Voorhis Associates, Inc. worked with Ramsey County Corrections and Property Management staff to complete a Pre-Design process for a major renovation of the Boys Totem Town campus in St. Paul, MN. The campus provides residential treatment services for post - adjudicated, juvenile male offenders committed by the Courts from the local community. The original campus buildings were constructed from 1928 through the 1960's and have been well maintained. However, the needs (and codes) associated with the youth programs have changed extensively over the past four decades necessitating a full review of the facility. Kohler Hall, the intake center for the campus, was built in the 1990's and is not a part of this study. It would retain its current function as designed.

The Pre-Design process had four distinct phases:

1. Pre-Architectural Programming – determining what spaces are needed to support the program. This included the size of each space and relationships to each other;
2. Facility Assessment – evaluating the existing building and site for reuse opportunities. This included architectural and engineering systems review, and historical & accessibility notes;
3. Master Planning – this phase involved combining the new space program with the Facility Assessment, then evaluating options for placement of the facility on the existing site. The primary options included: reusing portions of the existing hilltop complex as well as stand alone, “green field” construction; and
4. Conceptual Design – developing site and floor plans, guide specifications and a cost model to construct the Program on the site most favored by the Master Planning Process.

The text of the Executive Summaries for each of these four phases are included in the Appendix of this document as items I through IV. Please refer to those for a complete discussion of the results of each phase. The following text summarizes the key outcomes and ends with recommendations suitable for further review by the capital projects funding process.

### ***Part I: Pre-Architectural Programming***

The single largest change in space needed in a renovated campus is the shift from large dorm-type living areas to single-sleeping room living. This is strongly recommended by the Department of Corrections and also works well with the active treatment approach of the facility. Further increases in size can be directly attributed to the wider hallways, stairwells, addition of elevators, etc. from which the current building do not benefit. Again, most of these increases are code driven. There are also slight increases to program and services areas with the School, Food Services and Support spaces relatively unchanged. The existing facility Program contains over 55,000 gross square feet of spaces. This is a total of the hilltop building complex and three out buildings. The new program calls for 78,450 gross square feet. No staff increases would be needed and the number of boys served would rise slightly from 68 to 72.

Although the site does not currently treat girls, a part of the pre-design process was to explore adding a girls program to the treatment facility. The size of the program was limited to one 24-resident housing unit to parallel the boy's program. Three options for siting the unit were explored: totally integrating the boys and girls (deemed against current practice and counterproductive to both programs); totally self contained (not useful to current discussion as its location

could be independent of the Totem Town site); or set apart with shared functions including school, recreations, health and food services. If this last option was taken, adding a unit with 24 girls to the treatment program would require an additional 17,880 gross square feet. This option would also require the addition of 10 FTE staff for direct active supervision of the girls; administrative staff would be leveraged from the boys program but not increased. The facility would be staffed to meet the requirements of the Minnesota Department of Corrections 2960 Rules which require direct care supervision at a ratio not to exceed one staff per each twelve residents.

### ***Part II: Existing Facility Assessment***

From the early 1940s, the campus consisted of a dedicated school building connected by tunnel to the main administration building. The school contained a small gymnasium space for indoor recreation; the main building contained all housing, offices, and food services. In the 1960's, a two-level addition connected the Old School and original Main Building. It contained more classrooms, new food service, a central heating plant, and a dorm unit of boy's housing. Three out buildings are used for storage, shops, offices and vehicle parking. All existing buildings have code deficiencies and condition issues that will need to be addressed in the near future whether or not a campus renovation occurs.

Although most of these structures are well maintained, the main building would be impractical to renovate. Its heavy concrete construction and low floor to floor heights makes its reuse as a modern building cost prohibitive. It would need to be demolished. The 1960's addition would require a major interior renovation to meet current code. Reuse of at least the Gymnasium component would be economically feasible. The Old School is well built and rather simple in its interior. It could be renovated and repurposed at a reasonable cost. The three out buildings, one of which is of only "temporary construction", have structural and other flaws that make their reuse impractical.

Since both the Main Building and the Old School were Works Progress Administration (WPA) projects, the ultimate fate of these structure require further historical review beyond the bounds of this study.

### **Part III: Site Master Planning**

To incorporate the new Program into the existing buildings on top of the hill would require the: building of new housing units; rerouting the loop road; renovating the 1960's building; demolishing the Main Building and replacement of it in roughly the same location; plus the construction of one outbuilding for service functions. The costs, grades, and construction phasing are such that reuse of most of the existing structure is less desirable, and actually more expensive, than building fresh elsewhere on site.

The only parcel of land large enough to accommodate the new Program is in the sports field adjacent to Kohler Hall. A new facility could be constructed in this location. Upon completion, the boys could be transferred to the new building. Then the old 1960s and Main Buildings would be demolished. The hillside that they occupied would then be redeveloped for outdoor activities. The Old School building and the Gymnasium would be saved and renovated to new purposes including shops, storage and maintenance vehicle parking.

This approach eliminates the construction of a new outbuilding, reuses structures in a cost effective manner and allows for a complete new building without disrupting the 24/7 operations of the ongoing programs. Many site details including storm water retention, utility services and road access will actually be enhanced by this approach.

### **Part IV: Conceptual Design**

The one- story living units would be attached to a two- story administration and treatment structure. The first floor would contain the area(s) most frequently used by the boys: food services, recreation, healthcare, etc. as well as the support functions including: the entry lobby, administration offices, laundry, receiving dock, and central plant. The second floor would contain the school and counseling functions. The school can be isolated and "locked off" on weekends and evenings. A space for a self contained girls unit has been left for future use and is located in such a way as to be close to shared spaces (gym and school) while maintaining appropriate separation from the boys.

The construction would be institutional quality (durable, abuse resistant, maintainable) without seeming like a correctional facility to meet the "R" residential occupancy. The use of natural light and windows would take advantage of the campus' park-like setting. The use of wood and other natural materials would try to mimic a residential quality for the residents. The entire facility would be heated and cooled and contain the appropriate level of technology. Site utilities would be upgraded to support the project.

Modern design practices dictate a deliberate and calculated approach to sustainable design. The treatment project presents multiple opportunities to achieve sustainable design goals in a public facility. More definition and accurate costing of the sustainable design opportunities will be defined in future phases of the project.

The cost for construction and site development for this conceptual plan total \$21,200,000. The addition of the girls unit would cost \$4,600,000 if contracted along with the boy's work.

### **Recommendations**

Immediate funding is sought for this project. Its size and complexity may require funding to stretch across multiple bonding cycles. However that would increase the costs as presented here.



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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENT:** Corrections

**PROJECT TITLE:** Juvenile Institutions

**COMMENTS:**

“Alternatives need to be found for the Boys Totem Town facility. It is physically and functionally obsolete. However, alternatives should be driven by appropriate programs for juveniles with differing needs. This may mean several smaller facilities or contracting with other institutions. Planning should start with the programs and projected populations, and then proceed to design of the appropriate facilities.”

“This is potentially the top priority when we consider the lifetime effects of this setting.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Courts 180000

**Project Title or**

**Item:** Juvenile and Family Justice Center Remodel

**PROJECT DESCRIPTION: (Attach supporting documents.)**

District Court is requesting funds to remodel the Juvenile and Family Justice Center (JFJC) to accommodate for the increased number of judges assigned to its division. The Division has experienced an increase in caseload and the JFJC does not have the courtroom space to conduct its work, nor does it have sufficient office space for all judges currently assigned to the Division. This project would add one additional courtroom, two full chambers sets and a visiting office for senior judges.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 1,500,000	\$ 810,000	\$ 690,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 1,500,000</b>	<b>\$ 810,000</b>	<b>\$ 690,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager does not recommend financing this project in 2018 or 2019. See County Manager's comments regarding the Juvenile & Family Justice Center Building expansion project request.

## MAJOR CIP PROJECTS - QUESTIONS

### A. PROJECT DESCRIPTION

**1. Is the project a replacement? Major renovation? New development/asset?**

This is a major remodel/renovation to an existing facility. The building currently houses the Court's juvenile, domestic abuse and harassment courts. The family court's self help service center and a portion of the family court bench are also located at the JFJC. In recent years, the child protection caseload has increased significantly, resulting in an increased number of judges to be assigned to the division and therefore a need for more courtrooms and office space.

**2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?**

The Juvenile and Family Justice Center is located at 25 W 7th St in downtown St Paul. Ramsey County currently owns this building and the Juvenile Detention Center adjacent to it.

**3. Are there alternative sites?**

The Court has a total of five locations, however only two are designed to accommodate resident judicial staff; the City Hall and Courthouse and the JFJC. The courthouse is not designed to process and hear juvenile cases requiring that all juvenile work be done at the JFJC. On any given day, the additional casework in juvenile court has impact on the availability of courtrooms at the JFJC, meaning there are not enough courtrooms to accommodate all of the necessary hearings.

**4. What is the estimated size?**

**a. Building square footage**

Current building size is 56,000 sq. ft. It would be within this square footage that the renovation takes place.

**b. Acres of land needed**

None

**c. Is parking space required? How much?**

No

**5. How is the space to be utilized?**

A renovation would provide one additional courtroom and three chamber sets.

**a. Office space square footage**

3800 sq ft for office-3 chamber sets

**b. Program space square footage**

1400 sq ft for courtroom

**6. How many employees will occupy the space?**

**a. Current Staff**

18 judicial staff (6-Judges, 6-court reporters, 6-law clerks)

**b. New positions/staff needed**

Six additional judges and support staff (2-Judges, 2-court reporters, 2-law clerks)

**7. Who provided the cost estimate? When?**

Wold Architect Group

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

The Wold Architects Group was the architect for the Juvenile and Family Justice Center and expansion of the Juvenile Detention Center which opened in 2000. The firm has also been the architect for multiple renovations and remodels for the County and Courts and was also the firm that conducted the original feasibility study that recommended the colocation of the Family and Juvenile Courts.

**8. For how long is the cost estimate valid?**

1-2 years

**9. When does the project need to begin?**

Ideally, the planning for expansion would begin in 2017. With the unexpected and continuing increase in child protection cases, the court has added judges to the division to better manage the work. These judges are currently residing at the courthouse but working at the JFJC.

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Ramsey County Property Management in collaboration with District Court Administration. Both have had experience in building and renovations, particularly the JFJC and the Family Court relocation to CHCH.

**b. Outside consultant - Describe experience**

Wold Architect Group or another group of equal experience in courthouse functions.

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 120,000	120,000	-	-	-	-	-
Construction	\$ 1,200,000	600,000	600,000	-	-	-	-
Furniture, Fixtures & Equipment	\$ 120,000	60,000	60,000	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Contingency	\$ 60,000	30,000	30,000	-	-	-	-
	<b>\$ 1,500,000</b>	<b>\$ 810,000</b>	<b>\$ 690,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

Recently, over the course of the past five years, child protection case filings have increased by 68%. This increase in filings has led to an increase in judges to be assigned to the Juvenile and Family Division. This has resulted in more calendars to be scheduled creating more courtroom demand. There is a need for seven to eight courtrooms on any given day at the JFJC but only six courtrooms are available for use. Other hearing types and cases cannot be scheduled timely, or at all, due to the lack of courtrooms. Additionally, because the JFJC does not have the chambers space to accommodate the additional judges, they must come from the courthouse to the JFJC to hold hearings. Because they have offices on-site, justice partners expect hearings to take place at the JFJC. Constituents are familiar with the JFJC; moving their hearings from one location to another places them at risk for not knowing where their case will be heard.

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

The Juvenile and Family Justice Ctr does not have the space necessary for the court to do its business. To work at full capacity, seven courtrooms are needed on any given day, some days require eight courtrooms, however, the facility has only six courtrooms. This forces judges off the bench, causing delays in hearing trials and other types of hearings. Adding an additional courtroom will remedy many of the scheduling problems the court currently faces and provide office space for the judges assigned to the division.

**3. What are the positive aspects of the current building and/or site?**

The JFJC was designed with the understanding that it would be used for juvenile and family court cases. The facility houses many of the justice partners necessary to assist families with their cases. This availability is not available in other court locations.

**4. Who performed the functional analysis? Qualifications?**

**5. What other alternatives have been explored? Describe**

Due to the limitations of the City Hall and Courthouse, there is no reasonable alternative.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

Unknown. The current situation will continue to impact the timeliness of hearing cases. These are cases (CHIPS) that have mandatory timelines for which to bring closure. The County and the Court are responsible for meeting these timelines. It is reasonable to expect that if timelines aren't met the County and Court will be held accountable in some measure.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

No.

**3. How are current operating costs being affected?**

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

The consequences are the continued inability to hear child protection cases and other times sensitive cases in a timely manner and continuing to house judges in one facility and having them hear cases in another.

**D. IMPACT ON FUTURE OPERATING COSTS**

1. Estimated cost of new staff positions needed. When? Is/will funding be available?

2. Are there any future cost savings?

3. Estimated annual maintenance costs:

a. Maintenance/Custodial

b. Heating/Cooling/Lighting

4. Are there any federal/state laws mandating increased operating costs?

**E. IMPACT ON FUTURE REVENUES**

1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		-				-	
c. Operating Costs		-				-	
d. Staff Costs		-				-	
e. Replacement		-				-	
f. Debt Costs (bonds)		-				-	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**



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## **MAJOR PROJECT REQUEST – COMMITTEE COMMENTS**

**DEPARTMENT:** Courts

**PROJECT TITLE:** Juvenile and Family Justice Center Remodel

**COMMENTS:**

“There is an immediate need for additional space for family courts and related services. If additional space cannot be found in the Courthouse the remodeling expenditure in the JFJC of \$1.5 million should proceed.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Courts 180000

**Project Title or**

**Item:** Juvenile and Family Justice Center Building Expansion

**PROJECT DESCRIPTION: (Attach supporting documents.)**

District Court is requesting an expansion of the Juvenile and Family Justice Center (JFJC) to accommodate for the increased number of judges assigned to its division and to include all of its Family Court functions in one location. The Family Court is presently split between the City and County Courthouse (CHCH) and the JFJC. The Division has experienced an increase in caseload and does not have the courtroom space to conduct its work. In addition, expanding the JFJC to include all Family Court functions would conclude a long-term vision to co-locate the family and juvenile courts in Ramsey County. It has been 16 years since the opening of the JFJC and the Family Court functions continue to be divided between two facilities. Co-locating the family and juvenile courts would allow the courts and its partners to better accomplish its mandated work.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 24,149,000	\$ 2,305,667	\$ 9,781,667	\$ 12,061,666	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 24,149,000</b>	<b>\$ 2,305,667</b>	<b>\$ 9,781,667</b>	<b>\$ 12,061,666</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	No	Yes	IF YES:	Year(s)	Amount
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager recommends financing this project using bond proceeds of \$200,000 in 2018, for the planning and design of the Juvenile & Family Justice Center Building expansion in conjunction with the County's Strategic Facility plan.

## MAJOR CIP PROJECTS - QUESTIONS

### A. PROJECT DESCRIPTION

**1. Is the project a replacement? Major renovation? New development/asset?**

This is a major expansion to an existing facility. The Juvenile and Family Justice Center (JFJC) currently houses the Court's juvenile, domestic abuse and harassment courts. The family court's self help service center and a portion of the family court bench are also located at the JFJC.

**2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?**

The Juvenile and Family Justice Center is located at 25 W 7th St in downtown. Ramsey County currently owns this building and the Juvenile Detention Center adjacent to it.

**3. Are there alternative sites?**

The Court has a total of five locations, however only two are designed to accommodate resident judicial staff; the City Hall and Courthouse and the JFJC. The courthouse does not have enough chambers and courtrooms for all of the Juvenile and Family Division judges and referees or its unique business functions. When the JFJC was built it was intended to provide space for juvenile court and its support staff, and provided enough expansion at the time to house six judges and referees as well as the Domestic Abuse and Harassment Office and some family court functions. The judges, referees and business functions of this Division continue to be split and no alternative site exists to accommodate them all.

**4. What is the estimated size?**

**a. Building square footage**

The current facility is 56,000 sq ft. This request would add three additional floors to the facility.

**b. Acres of land needed**

None. The construction of the Juvenile and Family Justice Center provided for a multi-floor expansion to house Family Court. Footings were poured to allow for an expansion of at least three additional floors, possibly more.

**c. Is parking space required? How much?**

Additional parking may be required for six judicial staff.

**5. How is the space to be utilized?**

Expansion would include courtroom sets, conference rooms for attorney consults and mediation, chambers for judicial personnel, office and conference room space for the Family Court Clerk's Office, closet and storage space for Courts technology division, and office space for other County departments that will need to be co-located with the Family Court (i.e. County Attorney's Child Support and Enforcement Division).

**a. Office space square footage**

**b. Program space square footage**

Approximately 33,600 sq ft

**6. How many employees will occupy the space?**

**a. Current Staff**

45

**b. New positions/staff needed**

27

**7. Who provided the cost estimate? When?**

Wold Architect Group provided the cost estimate in January 2017.

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

The Wold Architects Group was the architect for the Juvenile and Family Justice Center and expansion of the Juvenile Detention Center which opened in 2000. The firm has also been the architect for multiple renovations and remodels for the County and Courts and was also the firm that conducted the original feasibility study that recommended the colocation of the Family and Juvenile Courts.

**8. For how long is the cost estimate valid?**

Approximately two years

**9. When does the project need to begin?**

Ideally, the planning for expansion would begin in 2017. The co-location of the family and juvenile courts has been a priority of the District Court Bench since 1995. When the JFJC was constructed, the Court included as many family and juvenile court functions as it could in the space provided. However, the majority of the family court business has remained at either the West Building or more recently, the Courthouse. With the unexpected increase in child protection cases, the court has added judges to the division to better manage the work. These additional judges are currently residing at the courthouse but working at the JFJC.

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Ramsey County Property Management in collaboration with District Court Administration. Both have experience in building and renovations, particularly the JFJC and the Family Court relocation to CHCH.

**b. Outside consultant - Describe experience**

Wold Architect Group or another group of equal experience in courthouse functions.

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 1,869,000	1,869,000	-	-	-	-	-
Construction	\$ 18,690,000	-	9,345,000	9,345,000	-	-	-
Furniture, Fixtures & Equipment	\$ 2,280,000	-	-	2,280,000	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Contingency	\$ 1,310,000	436,667	436,667	436,666	-	-	-
	<b>\$ 24,149,000</b>	<b>\$ 2,305,667</b>	<b>\$ 9,781,667</b>	<b>\$ 12,061,666</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

See Attachment #1

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

See Attachment #1

**3. What are the positive aspects of the current building and/or site?**

**4. Who performed the functional analysis? Qualifications?**

A functional analysis was performed in 1991 and another during the planning phase of the current JFJC. The most recent analysis (later 1990's) was performed by the Wold Architect Group.

**5. What other alternatives have been explored? Describe**

In 2012, with assistance from Wold Architect, county property management and courts reviewed the feasibility of creating family court space in the JFJC's existing space. It was determined that this would not result in a credible solution.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

Family Court has endured over 20 years of "temporary" locations. While not ideal, the staff and judicial officers in this Court have made whatever is provided to them work as best as they can. However, they have made these locations work only because they are promised that each move is temporary. This "making do" has impact on security in one of the most volatile case types and treats the County's constituents disrespectfully when it provides cramped and nonconfidential waiting space and locations for assistance. A permanent location is necessary for Family Court.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

Remodeling the current footprint of the JFJC is possible for purposes of providing additional courtroom and chambers space for the additional judges now assigned to the division. This would not, however, include the relocation of the family court functions or its remaining judicial officers that are currently housed at the courthouse.

**3. How are current operating costs being affected?**

The split of juvenile and family court functions require that judicial staff reside in one location and do the courts work in another. Family court support staff are divided between two locations and this sometimes causes staffing problems in one facility or another. Efficiencies are lost and there is an unquantifiable loss of resources, continuity, availability and time. Customer service is impacted by the split in facilities and functions in that constituents are often at the wrong facility for hearings or assistance. Operating and rental expenses for the county and courts are more due to the functions split between two facilities.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

Continued inefficiencies, loss of resources and availability for constituents, county departments and courts

**D. IMPACT ON FUTURE OPERATING COSTS**

1. Estimated cost of new staff positions needed. When? Is/will funding be available?

2. Are there any future cost savings?

3. Estimated annual maintenance costs:

a. Maintenance/Custodial

b. Heating/Cooling/Lighting

4. Are there any federal/state laws mandating increased operating costs?

**E. IMPACT ON FUTURE REVENUES**

1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		-				-	
c. Operating Costs		-				-	
d. Staff Costs		-				-	
e. Replacement		-				-	
f. Debt Costs (bonds)		-				-	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**



**B. Narrative Justification**

**1. Why is this project needed? Reasons:**

The District Court has advocated consolidation of its family and juvenile court functions for reasons of enhancing delivery of services to families and to better utilize limited judicial and staff resources. While the two locations of Family Court are only six blocks apart, the splitting of functions is confusing to, and inconvenient for, the County's constituents. Court records, for example, are located in one facility, yet, assistance to modify an order in one of those records, is located at another. The judicial staff is also divided between facilities and due to a lack of sufficient courtrooms and staff in either location, division judges or referees must walk between two locations to hear court cases. The County Attorney's staff must appear in courtrooms in both locations as well. Often times, the County Attorney's Office will waive its appearance at hearings in one location because it has to deploy its attorneys to the other. This sometimes results in continued hearings which require constituents to make multiple appearances to court, wasting their time, the courts calendar time and the county attorney's time.

There has never been enough space at CHCH for Family Court and it needs a permanent home. Prior to 1992, the family court heard cases on multiple floors of the City Hall and Courthouse. During the CHCH renovation (which began in the early 1990's), the Family Court was moved to the West Building. The anticipated *two year temporary location* became thirteen years long, until when in 2006, due to the Riverfront Development Project, Family Court was again temporarily located back to the CHCH and it remains there today. The space provided is predictably inadequate due to limited available square footage and funding. Because the CHCH does not have enough space for both functions, the family court shares space with another high volume court, Housing and Conciliation Court. Because it is adjacent to the family court waiting area, this arrangement has caused security issues and provides absolutely no privacy for constituents attending to business in either court.

Additionally, and most recently, over the course of the past five years, child protection case filings have increased by 68%. This increase in filings has led to an increase in judges assigned to the Juvenile and Family Division. Because the JFJC does not have the chambers space or courtrooms to accommodate the additional judges. Judges, much the same as the referees, must come to the JFJC to hold hearings, or, hold hearings better suited for the JFJC at the courthouse because no courtroom is available at the JFJC. The increased number of judges assigned to the division is intended to better manage the child protection cases and determine safe environments for the county's most vulnerable children. However, the lack of courtrooms at the JFJC creates a barrier to meeting mandatory timelines in that cases cannot be heard until a courtroom is available. This situation has delayed trials and other hearing types in other time sensitive cases.

**2: What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

**Family Court at CHCH**

Presently, the Family Court space at the CHCH is not adequate in terms of size and layout for current and growing functions. As indicated above, family court functions are now housed in two locations, making the work of the Family Court inefficient, inconvenient and difficult to manage. The space provided to the Family Court in 2006, is small in terms of square footage. While it's not necessary to have a grand courtroom for a family court hearing, the existing 460 sq. ft. courtrooms are too small and can be dangerous. Referees and magistrates and their staff are forced to sit in very close proximity to the parties appearing before them, often creating tension in what can already be hostile and volatile cases. A more appropriate size for these courtrooms would be 800-1,000 sq. ft.. There is little conference room space in the Family Court waiting area and the seating is uncomfortable, close and often tense. This does not allow for private conversations between attorney's and clients and makes it difficult to separate parties who, by court order, are required to stay away from each other. Also, to make the limited space work, courtrooms had to be configured so that some of their entrances are blocked from the view of Sheriff's Deputies. Sight and sound is important for deputies to monitor the activity in these courtrooms and they often have to choose between moving out of a full waiting room in order to monitor a courtroom.

The Court's justice partners and constituents are continually inconvenienced by the split in locations. The Family Court's Self Help Service Center is located at the JFJC. Often parties come to the family court office at the CHCH only to be told they must walk the six blocks to the JFJC. Or parties get help at the JFJC and don't realize that their hearings before referee's and magistrates will take place at the CHCH. There is often confusion in this regard, causing parties to be late for or miss hearings all together. The County Attorney's Office has cases at both locations in both the Child Support and Child Protection Units as does Ramsey County Human Services. There are not enough attorneys to staff both locations, so cases are often delayed because of the lack of resources to be in both locations at the same time. There is not enough office space in CHCH for both units of attorney's, or for human services workers. Evaluators, mediators and court services workers all have need for space at the CHCH and it simply doesn't exist. Many times, family court staff must intervene and prioritize the limited conference room space for all of these participants so that their work and the work of the court can be done.

Last, due to the significant and rapid rise in child protection case filings, the JFJC has realized an increase need for courtrooms, chambers and private spaces. Currently, judges are forced off of the bench and into chambers because there are simply not enough courtrooms for all of the hearing types that should be scheduled. Most juvenile cases have mandatory timelines that drive their hearings, however, delays happen every

day because a courtroom is not available to hear the case. Adding additional court floors will remedy many of the scheduling problems the court currently faces and provide office space for the judges assigned to the division.

It is anticipated that an addition at the JFJC would mitigate all of the problems noted above. The footings that were built into the facility allow for an expansion of three additional floors. This addition will provide enough courtrooms and conference room space as well as appropriate and private waiting space for the court floors.

## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENT:** Courts

**PROJECT TITLE:** Juvenile and Family Justice Center Building Expansion

**COMMENTS:**

“Building 3 stories on top of the JFJC is one way to expand facilities for family courts and related services. However, at \$24 million, or \$650/sf, it is expensive. A long range plan should be developed which evaluates alternatives which include acquisition of other buildings downtown, expansion in the Courthouse, and suburban facilities.”

“This project will have to be taken on at some level no matter what. This plan appears to be the most customer friendly.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name & Code #:** Historical Society 710000

**Project Title or Item:** Education, Severe Weather, and Collections Preservation Facility

**PROJECT DESCRIPTION: (Attach supporting documents.)**

Ramsey County Historical Society requests \$2.7 million for the construction of a new facility at its Gibbs Farm to address critical safety needs as well as program and accessibility needs. This facility will provide severe weather shelter and also provide space for growing youth education programs operated by RCHS and its partners, new adult education programs by RCHS and its partners, address inadequate restroom facilities, create a safe linkage for site visitors to the Bell Museum, and provide space for preserving artifacts that tell the story of Ramsey County. The safe linkage proposed is a simple tunnel passing under Larpenteur Avenue and connecting the Gibbs Farm site and Bell Museum property.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 2,722,016	\$ 132,000	\$ 2,590,016	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 2,722,016</b>	<b>\$ 132,000</b>	<b>\$ 2,590,016</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager recommends financing this project using bond proceeds of \$132,000 in 2018 for the architectural and engineering costs. The County Manager also recommends the Historical Society develop a financing plan to incorporate non-County funding along with County funding.

**MAJOR CIP PROJECTS - QUESTIONS**

**A. PROJECT DESCRIPTION**

**1. Is the project a replacement? Major renovation? New development/asset?**

This is a new asset that will be constructed as an addition to an existing asset (Red Barn) that will be renovated so that the entire structure is secure for severe weather events and can be used year-round for programming. The connecting tunnel is a new asset.

**2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?**

Ramsey County Historical Society owns the site, it is a part of the eight acre Gibbs Farm: Pathways to Dakota & Pioneer Life site. The proposed tunnel connection will connect property owned by RCHS and the University of Minnesota, passing under a county road.

**3. Are there alternative sites?**

No

**4. What is the estimated size?**

**a. Building square footage**

4,737 square feet (New facility, two levels) + 2,700 (remodel existing Red Barn – two level) + 640 square feet (tunnel connection to Bell site) = 7,933 square feet.

**b. Acres of land needed**

less than .5 acre

**c. Is parking space required? How much?**

Not required due to spaces in existing lot, but two accessible spaces should be added adjacent to the building to accommodate guests as the building is some distance from the onsite parking.

**5. How is the space to be utilized?**

Severe weather shelter, year-round school tours and youth education programs, adult education programs, special events, museum-based summer-school program for disadvantaged youth, artifact and equipment storage. Connection to Bell will be used to safely travel between Bell museum and Gibbs Farm sites.

**a. Office space square footage**

0

**b. Program space square footage**

7,293

**6. How many employees will occupy the space?**

**a. Current Staff**

0

**b. New positions/staff needed**

0

**7. Who provided the cost estimate? When?**

Peter Kramer Architect (2015) and Flannery Construction (2015)

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

Peter Kramer has been providing architectural services to non-profits for more than 40 years. A few of his clients include the Latin American Education Center, Minneapolis Public Schools, College of Visual Arts, and the University of Minnesota. Flannery Construction has worked with Peter Kramer for many years and is a well respected Saint Paul contractor established in 1980. A few of their recent clients include the Project for Pride in Living, Jeremiah Program, Minneapolis Rowing Club, and Western Bank.

**8. For how long is the cost estimate valid?**

Through 2017; inflation adjustment of 10% has been applied to project costs to reflect construction in 2019.

**9. When does the project need to begin?**

Design and engineering in 2018, construction in 2019.

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Ramsey County - TBD. Ramsey County Historical Society staff person will be Chad Roberts, president.

**b. Outside consultant - Describe experience**

Architect will act as the builders representative

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 210,000	120,000	90,000	-	-	-	-
Construction	\$ 2,114,560	-	2,114,560	-	-	-	-
Furniture, Fixtures & Equipment	\$ 100,000	-	100,000	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other: Utility/Permits	\$ 50,000	-	50,000	-	-	-	-
Other: Contingency (10%)	\$ 247,456	12,000	235,456	-	-	-	-
Other: Utility work/permits	\$ 2,722,016	\$ 132,000	\$ 2,590,016	\$ -	\$ -	\$ -	\$ -



## B. NARRATIVE JUSTIFICATION

### 1. Why is this project needed? Reasons

Gibbs Farm: Pathways to Dakota and Pioneer Life, is a weather-dependent site with a typical site load of 200-240 students per day during the twelve weeks of the school tour season serving approximately 16,000 students annually. In 2016, Gibbs provided tours to classes from 152 schools from all over Minnesota and Western Wisconsin, totaling more than 650 classrooms, including visits from 27 of the 70 elementary schools in Ramsey County. Peak loads at the site can exceed 600 students in one day with as many as 360 students on site at any given time, though this is rare and cannot be routinely supported due to staff and facility availability.

During severe weather events, Gibbs Farm can safely accommodate less than 120 individuals, far less than are on site during current peak usage. This capacity limitation requires Gibbs Farm to cancel or reschedule school visits when severe weather is expected. This is detrimental to student education and an ongoing challenge for RCHS to manage.

Visitation is expected to grow substantially with the relocation of the Bell Museum to the neighborhood, the Bell Museum currently serves about 22,000 students and expects to increase that to approximately 48,000 in their new facility that is being constructed across Larpenteur Avenue from Gibbs Farm. This opportunity is explored more below and is expected to result in demand for school tours growing substantially. As we are currently operating at full capacity, Gibbs Farm has no capacity to meet increased demand. With current needs as they are and increased demand virtually assured, creating severe weather shelter so as to accommodate at least 360 student visitors is appropriate and necessary.

To ensure the safety of students that will be traveling between Gibbs Farm and the Bell Museum, some kind of connection that avoids crossing Larpenteur Avenue is necessary and RCHS is exploring several options including shuttle busses, a tunnel, or a bridge, with a tunnel being the most likely candidate. (See attachment)

### 2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?

The site lacks sufficient severe weather to accommodate typical load of students during its busiest 12 weeks out of the year. The site lacks a heated program space to support year-round programming. The bathrooms that exist are insufficient for existing needs and limit future growth.

### 3. What are the positive aspects of the current building and/or site?

It has served us well for years and fits the characteristic of the site. However, it has been too small for our use for at least five years and is a substantial limiting factor to the future growth of programming to meet the educational demands of our community.

### 4. Who performed the functional analysis? Qualifications?

Terry Swanson, Site Manager at Gibbs has decades of public programming experience including a long tenure at the American Swedish Institute and more than 7 years at Gibbs. Her intimate knowledge of the needs of the educators using Gibbs has helped shape the analysis. Peter Kramer is an experienced architect and worked with RCHS to identify the most efficient scope for meeting the needs identified by RCHS and the site users. Chad Roberts, president of RCHS, utilized his 15 years of experience in museum leadership and the input of site users to prioritize the needs of the site. Mollie Spillman, Curator/Archivist with 15 years of experience at RCHS provided an assessment of space needs that could be addressed via the ancillary spaces (artifact storage).

### 5. What other alternatives have been explored? Describe

For years, a much larger building has been discussed that would incorporate exhibit and related functions as well as program space. Not only would this be cost prohibitive, it includes design features that would be underutilized by patrons (extensive galleries for example). Further, the building discussed would need to be located in a space that is inconvenient to users traversing from the Bell museum to Gibbs and vice versa.

The adaptive re-use of the Annex property has been discussed and would require substantial expansion to meet our needs and would limit its use for current administrative functions. In addition, that structure is located in such a location that access to the Gibbs site would be problematic.

The option of doing nothing has also been raised, this would not just limit growth, it would lead to declining use of the site. The plan selected meets ongoing needs as well as supporting growth without building more infrastructure than RCHS can maintain.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

The safety of students is a primary concern and continued use of the existing inadequate facilities will result in tour cancellations that adversely affect student outcomes. In addition, inclement weather conditions that we cannot mitigate and inadequate restroom facilities result in negative experiences that will result in declining usage over time. The timing of the opening of the Bell Museum (summer 2018) will trigger increased demand that we cannot currently address.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

This has been considered and will not result in sufficient gains to severe weather shelter, four-season program space, or appropriate artifact storage space. Remodeling multiple existing structures to address site needs would be costly and less effective than new construction and would not address program growth or a safe linkage to the Bell museum.

**3. How are current operating costs being affected?**

HVAC and electricity costs will increase an estimated \$6,000-\$8,000 annually. In addition, cleaning and maintaining the space, which will be done by existing staff, will cost a like amount. These increased costs will be more than offset by increased tour and rental revenue.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

Loss of audience to other sites that can provide a more comfortable experience, inability to be a strong partner in education (particularly with the Bell Museum), continued risk to visitors that has been managed by limiting access.

**D. IMPACT ON FUTURE OPERATING COSTS**

**1. Estimated cost of new staff positions needed. When? Is/will funding be available?**

No new staff positions will be needed. Existing part-time staff will work additional hours to maintain and program the space beginning when the facility opens for use. Funding for these costs will be generated by increased program revenues and site rentals. All additional staff costs related to programming are directly proportional to revenue that will be generated by programs and are estimated to range as high as \$60,000 in 2019.

**2. Are there any future cost savings?**

The remodel of the Red Barn will include re-lamping and this will reduce electrical costs. However, given the nature of the expansion, those electrical savings will be more than offset by increased HVAC costs related to heating the spaces.

**3. Estimated annual maintenance costs:**

**a. Maintenance/Custodial**

\$8,000 (this is conservative, a much more challenging historic site the president is intimately familiar with (LeDuc Historic Estate, Hastings, MN) involving slightly more square feet costs about this much to maintain (custodial), the much simpler layout of this addition will not require the same level of custodial work.)

**b. Heating/Cooling/Lighting**

\$8,000

**4. Are there any federal/state laws mandating increased operating costs?**

No

**E. IMPACT ON FUTURE REVENUES**

**1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:**

<b>COST</b>	<b>Source</b>	<b>Amount</b>	<b>Year</b>		<b>Source</b>	<b>Amount</b>	<b>Year</b>
<b>a. Construction Costs</b>		\$ -			\$ -		
<b>b. Maintenance</b>	Rental Revenue	\$ 8,000	2018-2068		\$ -		
<b>c. Operating Costs</b>	Rental Revenue	\$ 20,000	2018-2068		\$ -		
<b>d. Staff Costs</b>		\$ -			\$ -		
<b>e. Replacement</b>	Private Donors	\$ 4,000,000	2062-2068		\$ -		
<b>f. Debt Costs (bonds)</b>		\$ -			\$ -		

Note b. Maintenance costs will be provided via increased rental revenue related to the building.

Note c. Operating costs will be provided via increased rental revenue related to the building.

Note e. Replacement cost conservatively assumes a 50 year lifespan. A capital replacement investment account will be established and funded by a portion of rental revenue related to the building. Any building remodel or replacement that exceeds the capital replacement investment account will be raised from donors.

General note: Rental revenue generated by this space will be reinvested in maintenance, operating costs, and a long term replacement fund. Surplus revenue will be invested in ongoing programming at the Gibbs site.

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**

**A Shared Vision to Inspire Many Great Futures** *Improving Capacity at Gibbs Farm to Improve Safety, Access, and Better Serve our Community in Partnership with Others*

**Introduction**

Imagine a place that provides extraordinary education, reaches 16,000 students every year, and is the premier location teaching the subjects of Dakota Culture and early state history in Minnesota. Imagine a place that does all this through the lens of cultural harmony, using the stories of real people, and in a hands-on way proven to be effective and impactful.

Now imagine that place is only available to students twelve weeks a year. Imagine that place is brought to life by a team of incredible educators available and eager to serve more but are limited by the physical limitations of their environment, and has limited capacity to address safety concerns for students during inclement weather, ultimately resulting in the inability to serve 75% of the 45,000 grades K-5 students in Ramsey County. Approximately 50 percent of these students are from low income households, many living in neighborhoods of concentrated poverty, just out of sight and too often out of mind of those with the capacity to provide a hand up and inspire a better future.

This is the story of Gibbs Farm. Improving this story will change the lives of tens of thousands of our fellow human beings every single year and help ensure a thriving community for years to come.

**Proposal Summary**

There are approximately 45,000 students grades K-5 in Ramsey County. Our capacity to serve students is about 16,000. Of the 152 schools that sent students to Gibbs in 2016, 27 were located in Ramsey County. This represents nearly 40% of the 70 schools in Ramsey County and about 10% of the K-5 student population. Program growth will focus first on serving students from Ramsey County, secondly on those from the east metro, and thirdly state-wide. In all cases, special consideration will be given to the needs of students and schools with limited access to quality programs due to their financial limitations.

With the addition of the Bell Museum across the street and their expectation to serve about 48,000 students with a year-round program, students with similar demographics and needs as those Gibbs serves, it is reasonable to expect that doubling the number of students we serve at Gibbs is a probable outcome if we have sufficient infrastructure in place. The infrastructure needed to do this includes:

- Severe weather shelter for 240 students at one time (current capacity is 120) to meet current needs and space for an additional 120 students to support program growth.
- Year-round educational program space totaling approximately 3,000 square feet to safely house and educate an additional 240 students at one time, regardless of weather conditions.

- Improved restroom facilities (a need we have regardless of program growth, but absolutely required for growth) that will total 600-800 square feet.

An investment in capital infrastructure is required to properly address all the needs identified.

### **Background – Our Work So Far**

Ramsey County Historical Society’s Gibbs Farm Committee has been identifying site needs and possible solutions for the past 18 months and this work has helped inform the strategic plan of RCHS. This work has been focused largely on addressing three critical needs – safety, access, and restroom facilities; as well as three other important needs - addressing programmatic needs during inclement weather, addressing increased site load needs resulting from working with the Bell Museum to serve more students; and creating appropriate preservation space for the RCHS collection. The Gibbs Farm Committee has explored a wide variety of other potential needs, ranging from improved office space to creation of a picnic shelter, these other needs were ranked lower for a variety of reasons, particularly the suitability of existing facilities to meet these needs and the likelihood that a facility that addresses the critical and important needs would also address lower-ranked needs. All of this has resulted in an understanding by the Gibbs Committee and staff regarding Gibbs Farm needs and the basic infrastructure necessary to address them. At this preliminary stage, one possible solution is the construction of one new space of less than 6,000 square feet added to the Red Barn and some form of safe transit connection with the Bell Museum for student use.

The Gibbs Farm committee and full Board of RCHS is working with partners to examine how any new infrastructure can be utilized by others to benefit all of Ramsey County. These partners include urban and reservation Dakota communities and organizations; the Bell Museum; school districts; educators; University of Minnesota, and many others; this should include Ramsey County as well, particularly as it strives to strengthen individual, family and community health, safety and well-being.

### **Critical Needs – Safety, Access & Restroom Capacity**

Gibbs Farm: Pathways to Dakota and Pioneer Life, is a weather-dependent site with a typical site load of 200-240 students per day during the twelve weeks of the school tour season, serving approximately 16,000 students annually. In 2016, Gibbs provided tours to classes from 152 schools from all over Minnesota and Western Wisconsin, totaling more than 650 classrooms, including visits from 27 of the 70 elementary schools in Ramsey County. Peak loads at the site can exceed 600 students in one day with as many as 360 students on site at any given time, though this is rare and cannot be routinely supported due to staff and facility availability.

During severe weather events, Gibbs Farm can safely accommodate less than 120 individuals, far less than are on site during current peak usage. This capacity limitation requires Gibbs Farm to cancel or reschedule school visits when severe weather is expected. This is detrimental to student education and an ongoing challenge for RCHS to manage.

Visitation is expected to grow substantially with the relocation of the Bell Museum to the neighborhood, the Bell Museum currently serves about 22,000 students and expects to increase that to approximately 48,000 in their new facility that is being constructed across Larpenteur Avenue from Gibbs Farm. This opportunity is explored more below and is expected to result in demand for school tours growing substantially. As we are currently operating at full capacity, Gibbs Farm has no capacity to meet increased demand. With current needs as they are and increased demand virtually assured, creating severe weather shelter so as to accommodate at least 360 student visitors is appropriate and necessary.

To ensure the safety of students that will be traveling between Gibbs Farm and the Bell Museum, some kind of connection that avoids crossing Larpenteur Avenue is necessary and RCHS is exploring several options including shuttle busses, a tunnel, or a bridge, with a tunnel being the most likely candidate.

Access to Gibbs Farm by typical schools is limited to twelve weeks per year due to weather considerations as no program building is currently heated and usable before mid April or after early November. This is an insurmountable obstacle to growth in the tour program and eliminates the possibility of meeting the needs of all the schools that want to take advantage of the unique programs offered by RCHS. This is particularly true with the introduction of as many as 48,000 new students to the neighborhood on visits to the Bell Museum. Addressing this obstacle requires the addition of space that is usable 12 months of the year.

Addressing the access issue is critical if RCHS is to serve currently underserved populations. The majority of students (56%) in Saint Paul public schools receive free or reduced lunch, many of these students live in areas of concentrated poverty. RCHS provides free programs off-site for several schools with extremely low-income student populations. In addition, the Society serves many low-income students on site.

However, schools with a high population of low-income students have limited resources for field trips, this makes it particularly challenging for them to overcome the number one challenge for schools in providing field trips – the cost of bussing students. The opportunity to efficiently offer two field trip experiences (Gibbs and Bell) that directly address curriculum needs for the cost of one bus is an extraordinary opportunity to reach students that otherwise would not have access to the same opportunities from which their wealthier peers benefit. Being available to students all twelve months of the year makes this opportunity possible by increasing the availability of Gibbs to more closely align with the Bell Museum.

Restroom facilities at Gibbs Farm consist of three individual bathrooms in the Red Barn, one of which is handicap accessible, and two individual bathrooms in the Admissions Building, one of which is handicap accessible. This is insufficient to meet existing needs by school groups and is challenging on festival days, two of which draw 500-600 guests annually. Teachers consistently note the lack of adequate restroom facilities as a critical flaw in the Gibbs experience and this will be exacerbated by any program growth.

Addressing this need appropriately will require the addition of two gendered battery style restrooms with four or five fixtures each and several family/accessible bathrooms. Please note that we survey every educator that visits Gibbs with a response rate of 25%. Ratings of the quality of programs are consistently positive by 98% of respondents. Negative ratings are tied almost exclusively to issues with restrooms, and to a lesser degree, weather.

**Significant Needs – Sheltered Program Space, Increased Year-Round Capacity, and Collections Storage** During inclement weather that is not severe, Gibbs Farm has enough indoor space to accommodate programming for 175 students if evenly distributed across the site, (which is rare) and requires students and adults to be out in the elements a significant portion of the time. This disproportionately impacts students involved in Dakota cultural tours and programs as they take place primarily out of doors.

Realistically, 45 students can be engaged in the Farm House, 30 in the White Barn, 25 in the School House, 15 in the Bark Lodge, and 60 in the Red Barn. Consequently, inclement weather leads to cancellation or rescheduling of dozens of school visits every year, impacting at minimum hundreds of students. This reality creates challenges for schools that Ramsey County Historical Society has worked hard to mitigate. As such, RCHS has built a loyal following of teachers that know that their needs will be met not just programmatically but logistically. This makes RCHS a positive outlier in the history field and teachers know they can rely on RCHS to help them provide necessary education to their students.

Exacerbating weather challenges is the relatively short window in which educators can schedule a tour due to temperature and ground conditions. A six week period in the spring and a six week period in the fall are the only options for tours during the academic year. This means that if weather or other challenges result in a tour cancellation there are few options for rescheduling as those twelve weeks are booked heavily with more than 1,200 students visiting each week on average. Additionally, those spring and fall time periods do not always align with the curriculum needs of the schools RCHS serves. These schools still choose to visit Gibbs Farm over other options due to the quality of the program, but have expressed their desire for other scheduling options. A survey of educators by RCHS has identified that May is by far the most popular month for school tours, but that there was a notable interest in booking tours January through April; and no interest in booking field trips between Thanksgiving and New Year's Day. Addressing the twelve-week accessibility issue will require the addition of space designed to be used throughout the year.

The last significant RCHS need that could be addressed by infrastructure additions at Gibbs is the need to provide appropriate preservation space for oversized objects, specifically horse-drawn vehicles that are currently stored in a warehouse without temperature or humidity controls. These needs could be addressed with about 1,000 square feet of space. Given the specialized construction and HVAC needs of museum-standard storage space and anticipated collections growth over the next twenty years, as much as 3,000 square feet should be constructed, some portion of which could be “viewable storage” to directly support the educational missions of Gibbs and RCHS. This could reasonably be scaled back as necessary to accommodate critical needs identified above.

### **Opportunities – Bell Museum & Program Growth**

As indicated above, the Bell Museum is moving across the street from Gibbs Farm. This facility is projected to serve approximately 48,000 students and 100,000 overall visitors. This influx of students to the neighborhood that is largely the same age demographic as those served by Gibbs Farm (Kindergarten through Grade 5) and the Bell Museum and Gibbs Museum programs are complimentary, not duplicative, creating a natural opportunity to reach more students. Both programs run school visits that range from 90 to 120 minutes, allowing for a dual visit experience that more efficiently utilizes bussing and teacher resources.

RCHS is working actively with the Bell Museum senior staff to develop joint programming beginning in the second quarter of 2017 and running through the opening of the Bell Museum in June 2018. Over this time period, both staffs are committed to developing a long-range program partnership that will take advantage of the program strengths of each organization and their respective facilities. RCHS will be limited in its capacity to be an effective partner if critical space and facility needs are not addressed.

Creating infrastructure that addresses critical needs at the Gibbs Farm also creates dramatically increased capacity for programming by RCHS and community partners on weekends and evenings. This year-round capacity would allow for additional programming on 350 days of the year for lectures, films, classes, and other kinds of programs. As the project is fully defined, community partners are being consulted to determine if there are needs that new infrastructure could help them address. In those cases where this is possible and feasible, the design of any new infrastructure will be adjusted to not only meet the needs of RCHS but those of community partners that will use the space.



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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENT:** Historical Society

**PROJECT TITLE:** Education and Collections Preservation Facility

**COMMENTS:**

“Conflict of interest.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Landmark Center #720101

**Project Title or**

**Item:** Landmark Center Interior Improvements

**PROJECT DESCRIPTION: (Attach supporting documents.)**

This project includes Phase I design and Phase II implementation for interior improvements to Landmark Center, a multi-year plan to enhance and improve the Center through redevelopment of undeveloped interior areas (including the unfinished North Tower, sixth floor, basement and subbasement).

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 3,300,000	\$ -	\$ -	\$ -	\$ 3,300,000	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ 3,000,000	-	-	-	3,000,000	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 6,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,300,000</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

This project did not request funding in 2018 or 2019.

**MAJOR CIP PROJECTS - QUESTIONS**

**A. PROJECT DESCRIPTION**

**1. Is the project a replacement? Major renovation? New development/asset?**

This project would be new development within an existing building. The basis for the project was included in the Ramsey County 2015 legislative bonding request as the project, "Pre-Design, Design and Pre-Engineering for Improvements to Ramsey County Landmark Center." It is predicated on the notion that the State would provide some bond funding for the implementation, and County funds would serve as a match.

**2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?**

Landmark Center, which Ramsey County owns.

**3. Are there alternative sites?**

No

**4. What is the estimated size?**

**a. Building square footage**

148,000 square feet total within the footprint of Landmark Center

**b. Acres of land needed**

None

**c. Is parking space required? How much?**

N/A

**5. How is the space to be utilized?**

The undeveloped space is proposed to include additional nonprofit and commercial office space and a full service restaurant and catering facility.

**a. Office space square footage**

TBD, depending on a space utilization study to be conducted in 2017

**b. Program space square footage**

TBD, depending on a space utilization study to be conducted in 2017

**6. How many employees will occupy the space?**

**a. Current Staff**

None

**b. New positions/staff needed**

None

**7. Who provided the cost estimate? When?**

Collaborative Design Group, 2015

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

Collaborative Design Group has completed several architectural and engineering projects and studies within Landmark Center in the past five years and knows the building well. CDG oversaw the major project, Exterior Improvements - Tower Roof and Masonry Restoration, from 2013-2015.

**8. For how long is the cost estimate valid?**

The implementation cost estimate will need to be adjusted in future cycles based on the outcome of the space utilization study and for inflation for

**9. When does the project need to begin?**

This project timeline is flexible for future funding, and this submission is meant to be a placeholder upon recommendation from the County Board Chair.

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Minnesota Landmarks staff, who have a long experience in implementing capital projects at Landmark Center, would work with appropriate County staff to oversee the project with outside consultation for architectural and engineering services.

**b. Outside consultant - Describe experience**

Not currently identified.

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 300,000	-	-	-	300,000	-	-
Construction	\$ 6,000,000	-	-	-	6,000,000	-	-
Furniture, Fixtures & Equipment	\$ -	-	-	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other (Describe)	\$ -	-	-	-	-	-	-
	<b>\$ 6,300,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,300,000</b>	<b>\$ -</b>	<b>\$ -</b>

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

Renovation of un-restored, underutilized areas of Landmark Center will provide additional leasing revenue to assist in maintaining and supporting Landmark Center as a state and national landmark and will provide additional investment that will increase the economic and historic value of Landmark Center.

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

N/A

**3. What are the positive aspects of the current building and/or site?**

Landmark Center has been serving the community for over 100 years as a center of government and currently as an historic treasure and cultural center. It is a major attraction in the heart of downtown St. Paul and a frontispiece to Rice Park. Its adaptive reuse in the 1970s spurred development in the area that continues today.

**4. Who performed the functional analysis? Qualifications?**

Not completed at this time.

**5. What other alternatives have been explored? Describe**

N/A

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

Indefinitely; the space does not have to be developed.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

N/A

**3. How are current operating costs being affected?**

The undeveloped spaces do not produce any income or provide added community benefit to Landmark Center.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

As previously mentioned, the timing of this project is flexible, and this major project submission is meant to be a placeholder for future planning.

**D. IMPACT ON FUTURE OPERATING COSTS**

**1. Estimated cost of new staff positions needed. When? Is/will funding be available?**

None, newly developed spaces would be rented to other vendors and organizations.

**2. Are there any future cost savings?**

Energy efficient upgrades would be planned as part of the project, but cost savings would come mainly from opportunity to fully rent spaces that are currently not used for income producing activities.

**3. Estimated annual maintenance costs:**

**a. Maintenance/Custodial**

There may be additional custodial costs for developed spaces that would be covered by annual rents.

**b. Heating/Cooling/Lighting**

There would be some additional utility costs for developed spaces that would be covered by annual rents.

**4. Are there any federal/state laws mandating increased operating costs?**

None identified at this time.

**E. IMPACT ON FUTURE REVENUES**

**1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:**

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		-				-	
c. Operating Costs		-				-	
d. Staff Costs		-				-	
e. Replacement		-				-	
f. Debt Costs (bonds)		-				-	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**

Legislative Bonding Tour Handout/Presentation  
 Ramsey County Preliminary (Bonding) Request 2015



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# LANDMARK CENTER

## Legislative Bonding Proposal

### **Pre-Design, Design and Pre-Engineering for Improvements to Ramsey County Landmark Center (Requested Amount \$300,000)**

Estimated Capital Project upon Completion: \$6.5 million

For over 100 years Landmark Center has been serving the state of Minnesota, first as the Federal Building from 1902 to 1965 and subsequently, after a major restoration effort, as a “**National Historic Monument**” officially designated by the National Park Service, and as a center for the community’s arts and cultural activities. It currently serves over 290,000 building users who use the building for myriad arts, cultural and entertainment purposes.

Landmark Center is located in the heart of downtown St. Paul’s cultural district and is a beautiful frontispiece to Rice Park. Its renovation in the 1970s spurred investment in the Rice Park area that continues today.



Landmark Center circa 1902

A broad cross section of the people of Minnesota uses the building as an open and accessible public community center for arts and cultural activities and a vital historic resource.

**Nearly all of Landmark Center’s community programs are free and open to the public (over 96%), making them accessible to all age groups, income levels, & education levels.**

It is also home to 17 of Minnesota’s outstanding arts and cultural nonprofit organizations.

As Landmark Center’s purposes have changed in the years since it was renovated over three decades ago, so have the needs and uses of the facility. It is time to explore ways to update and expand the facility to better serve the education and entertainment needs of a modern public.



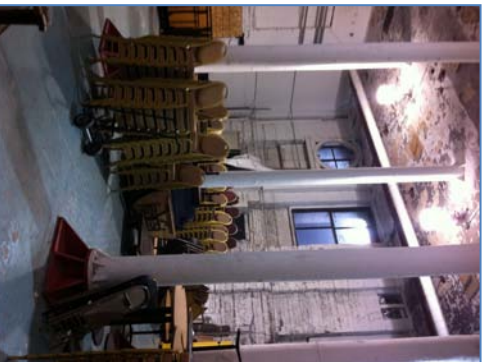
Lion Dance at the Moon Festival

The Pre-Design, Design and Pre-Engineering for Interior Improvements to Landmark Center is part of a multi-year plan to enhance and improve the Center, beginning with **Phase I – Exterior Stabilization**, currently underway. Phase I is a \$3.9 million exterior restoration (funded mainly by Ramsey County) of Landmark Center's towers and masonry that is being conducted in 2013/2014.



Exterior Stabilization - Tuck Pointing  
Masonry Fall 2013

The Pre-Design, Design and Pre-Engineering project will be the **preliminary step in Phase II** of Landmark Center improvements. Upgrades to interior space will allow us to maximize leasable areas and restore and renovate those areas in a way that is consistent with the building's era.



The Old Boiler Room

Other work anticipated includes structural repairs

and reinforcements to bring areas of (presently unoccupied) historic floor structure up to modern codes, as well as building infrastructure renovation, to allow mothballed areas to become revenue-generating tenant spaces. The Phase II implementation is estimated at approximately \$6 million in capital improvement costs.



Un-Restored Sixth Floor Area

**Goals for the project:**

- Preliminary design, design and pre-engineering to further enhance and improve underutilized areas of the building and increase long-term leasable area and infrastructure capacity.
- Market analysis of Landmark Center and surrounding neighborhood for potential new economic opportunities, create new recreational activities within the building, and provide additional economic vitality to downtown Saint Paul.

**Fiscal Impact:**

- Renovation of un-restored, underutilized areas of Landmark Center will provide Ramsey County with additional leasing revenue to assist in maintaining and supporting Landmark Center as a state and national landmark and will provide additional investment that will increase the economic and historic value of Landmark Center.



# LANDMARK C E N T E R

Pre-Design, Design and Pre-Engineering for

Improvements to Ramsey County Landmark Center

(Estimated capital project cost upon completion: \$6.5 million)



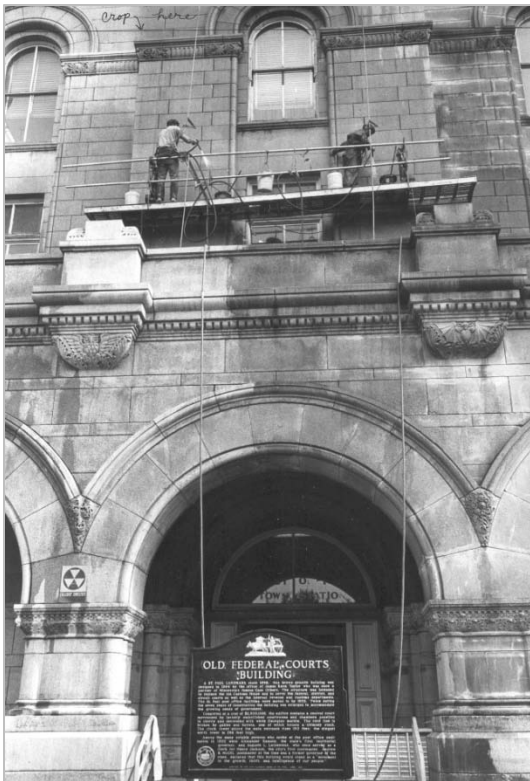
# LANDMARK C E N T E R

## Landmark Center's Federal History 1902- 1967



# LANDMARK C E N T E R

## Landmark Center Renewal and Restoration 1968 - 1982



# LANDMARK C E N T E R

Landmark Center as “a work of art serving people”  
1982 - today



# Phase I - Exterior



Replacement of  
North & South  
Tower Roofs  
& Masonry Restoration  
(a \$4 million project)



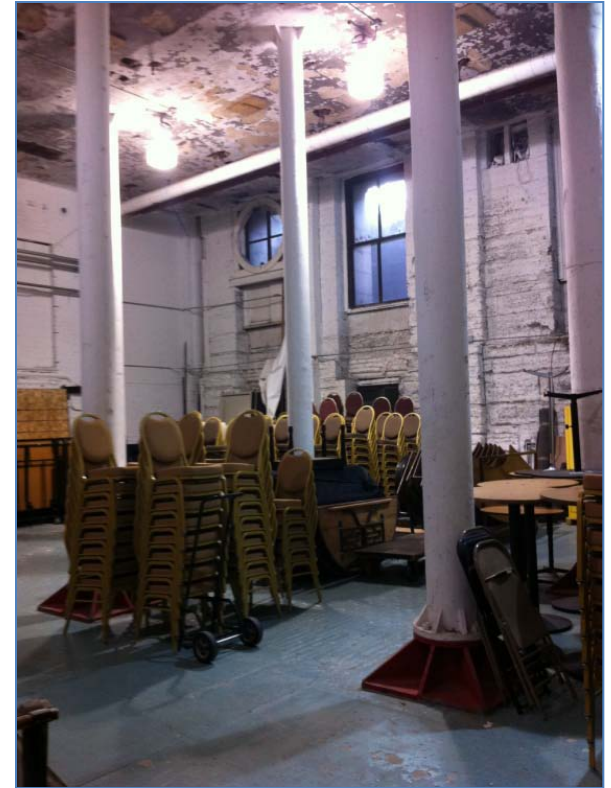
**LANDMARK**  
C E N T E R<sup>389</sup>



# Phase II - Undeveloped Spaces



North Tower & Sixth  
Floor Areas



“The Rathskellar”  
Landmark Center’s Old  
Boiler Room

# Potential Opportunities



Steam Plant Square  
Spokane, Washington



Offices, restaurant, and  
brew pub, designed into  
an old steam plant.



LANDMARK  
C E N T E R

# Potential Opportunities



Farmers & Mechanics  
Bank  
Minneapolis, MN



A National Honor Award-winning project, the **Westin Hotel** incorporated a 1941 Art Deco building and the 1950s tower addition into the new hotel.

**LANDMARK**  
C E N T E R



# LANDMARK CENTER

*A Ramsey County Property*



**Estimated Costs**

The following estimate of probable costs are for budget purposes.

Description	Estimated Cost
Mobilization and scaffolding	\$200,000
Masonry repairs and tuckpointing	\$120,000
Roofing repairs	<u>\$ 10,000</u>
<b>Sub Total</b>	\$330,000
Contingency, 20%	\$ 49,500
Design, Bidding, and Construction Admin. Fees	<u>\$ 25,000</u>
<b>Total</b>	\$404,500

*Additional 40% Escalator for FY18/19  
\$ 420,000*



5456 S. Robert Trail  
 Inver Grove Heights, MN 55077  
 Office 651-292-1011  
[www.cbloffers.com](http://www.cbloffers.com)

Estimate for 2020

Name Landmark Center Hm Ph Date 1/23/2017  
 Address 75 W Fifth Street Wk Ph 651-292-3224 Mngr Frank  
 City/Zip St Paul MN 55102 Cell Ph Fax

<u>1st floor atrium</u>		Email:		Sq. Yds.	Total
Area	Product Description / Color				
	Tandus Custom Color			1400	\$53,666.00
	5% overage for custom color			75	\$2,917.00
	tear up and disposal ( off site )				\$9,217.00
	Direct glue down install				\$14,000.00
	adhesive B-19				\$3,400.00
	seam sealer B-65				\$100.00
	floor preparation				\$1,675.00
	<u>Frighht</u>				\$2,333.00
	<u>use existing insert metals</u>				
	<u>Tear-up &amp; Disposal Included</u>				
	<u>Moving Furniture Not Included</u>				
Additional Notes:				<b>Total</b>	<b>\$87,308.00</b>
				<b>Grand Total</b>	<b>\$87,308.00</b>

\*\*\*ALL AREAS, UNLESS NOTED, MUST BE CLEAN & EMPTY OF ALL FURNITURE FOR INSTALLATION\*\*\*

A) Any orders that are cancelled after 72 hours of this contract is agreed and signed are subject to a 25% restocking fee OR a dollar amount if the manufacturer has a specific restocking fee requirement. (This dollar amount varies depending on product and manufacturer.)

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above (if stated)

ACCEPTED  
 Date: \_\_\_\_\_

Customer Signature: \_\_\_\_\_

Contingency (10%) 8731.00  
 Escalator (8%) 6985.00  
 Total \$103,024.00



## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENT:** Landmark Center

**PROJECT TITLE:** Interior Improvements to Landmark Center

**COMMENTS:**

“It would be nice to see expanded use of Landmark Center. However, the expanded uses should not include private, for-profit tenants, or compete with other tax-paying downtown offices. Funding of build-out improvements for the basement, 5th floor, and other spaces should be considered after appropriate uses and tenants have been identified.”



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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Parks and Recreation/660000

**Project Title or**

**Item:** Administration Building Asset Preservation

**PROJECT DESCRIPTION: (Attach supporting documents.)**

The Administration Building for Parks and Recreation was constructed in 1985. The mechanical systems and finishes are mostly original. The systems are due for replacement and the space is inefficient for current utilization. Staff has worked with Wold Architects to determine a more effective use of the existing building. Attached is the report that Wold submitted after meeting with the staff officed within the building. The training room is utilized by various Ramsey County departments. The new plans would move the training room closer to the front of the building so access does not take visitors through offices. The room would be more accessible to the public for community engagement as well. New conference rooms would be constructed to accommodate staff meetings and the lunch room capacity would be increased for large gatherings when summer seasonal staff are on board. Office space would accommodate current and future staffing levels and allow for "hoteling" for other County staff needing an office space while working in the area.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 2,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

County Manager does not recommend financing this project in 2018 or 2019.

## MAJOR CIP PROJECTS - QUESTIONS

### A. PROJECT DESCRIPTION

**1. Is the project a replacement? Major renovation? New development/asset?**

This is a major renovation of the Parks and Recreation administration building.

**2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?**

This building is at 2015 Van Dyke Street, Maplewood, MN and has existed for 32 years in this location. The renovation will stay within the footprint of the original building.

**3. Are there alternative sites?**

None were explored because the current location has been satisfactory. The internal space could be more effective for staff and community.

**4. What is the estimated size?**

**a. Building square footage**

15,300 square feet will be renovated.

**b. Acres of land needed**

None

**c. Is parking space required? How much?**

Existing parking is adequate.

**5. How is the space to be utilized?**

Offices, county meetings, community meetings, maintenance, parts storage, break/lunch room, lobby, conference rooms, rest rooms, locker rooms.

**a. Office space square footage**

Approximately 10,000 square feet

**b. Program space square footage**

Approximately 5,000 square feet

**6. How many employees will occupy the space?**

**a. Current Staff**

30 who are officed within the rennovated areas

**b. New positions/staff needed**

None. The plan accomodates existing staff and possible spaces for interns and other county staff work stations.

**7. Who provided the cost estimate? When?**

Wold Architects in April of 2016

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

Wold is an experienced firm on retainer by Ramsey County for this type of work. Wold has extensive experience with municipal construction.

**8. For how long is the cost estimate valid?**

The construction market is ever-changing and would need some cost comparisons with recent renovation projects to get more accurate numbers.

**9. When does the project need to begin?**

The architectural plans will need to be drafted before the project can be bid. A phased approach is expected and will lengthen the project timeframe to 2018 and 2019. Beginning as soon as possible will allow for ample time to determine the phases.

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Ryan Ries has experience with major construction projects prior to coming to work for Ramsey County.

**b. Outside consultant - Describe experience**

Wold Architects has experience with municipal construction projects and rennovation work on existing buildings.

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 200,000	200,000	-	-	-	-	-
Construction	\$ 1,600,000	800,000	800,000	-	-	-	-
Furniture, Fixtures & Equipment	\$ 200,000	-	200,000	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other (Describe)	\$ -	-	-	-	-	-	-
	<b>\$ 2,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ 1,000,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

Major mechanical systems are in need of replacement. Staff spaces have been made to fit into existing spaces and not necessarily effective or efficient. Public use and other departments use of spaces has increased in a building not designed for that purpose. Spaces and finishes have not evolved with changing technology or styles in 32 years.

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

Aging mechanical systems, outdated finishes, public moving through staff spaces, over and underutilized spaces existing because of design. The plan would provide new mechanical which in turn will provide for more efficient operation and reduced energy costs while providing more comfortable spaces for staff and the public. The renovated spaces will bring the appearance up-to-date and more technically efficient. The new design will maximize use of space.

**3. What are the positive aspects of the current building and/or site?**

The current site works well for maintenance functions of parks and recreation while offering accessible space for county staff meetings and public engagement. The size of the building seems adequate, but in need of renovation to more effectively utilize the space.

**4. Who performed the functional analysis? Qualifications?**

Wold Architects is experienced in space studies, especially at the municipal level.

**5. What other alternatives have been explored? Describe**

We looked at adding onto the building to provide community space, rest rooms, and upper level offices. This would accommodate those functions but the existing building would still need new mechanical systems and updated finishes.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

The mechanical systems will need to be replaced soon. If not, the cost of repairs will rise and replacement may need to occur on an emergency basis rather than a planful approach. The finishes and decorations can be worked on in a piece-meal fashion as resources are available. Office space can be make-shift as has been occurring to fit staff.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

This is a remodel project.

**3. How are current operating costs being affected?**

Repairs of mechanical systems will rise. Office comfort has been compromised causing staff to use portable heaters in the cooler months which raises the electricity bill. The price of outdated appearances is hard to measure but impacts the perceived credibility of the operation.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

The mechanical systems will continue to age as will the appearance of the spaces. Wear and tear will be more apparent.

**D. IMPACT ON FUTURE OPERATING COSTS**

**1. Estimated cost of new staff positions needed. When? Is/will funding be available?**

No new staff positions are anticipated because of the renovation.

**2. Are there any future cost savings?**

The new mechanical systems and building management system will allow for improved energy efficiency resulting in cost savings. Eliminating space heaters from offices and work spaces will also reduce energy costs.

**3. Estimated annual maintenance costs:**

**a. Maintenance/Custodial**

The current janitorial costs should remain constant due to the use remaining similar and the square footage remaining the same.

**b. Heating/Cooling/Lighting**

These would remain consistent or reduce due to improved efficiency of the systems. This has not been estimated at this stage.

**4. Are there any federal/state laws mandating increased operating costs?**

None known.

**E. IMPACT ON FUTURE REVENUES**

**1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:**

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -			\$ -	
b. Maintenance	Regional Park Fundin	40,000	2018	Regional Park Func	40,000	2019
c. Operating Costs		-			-	
d. Staff Costs		-			-	
e. Replacement		-			-	
f. Debt Costs (bonds)		-			-	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**

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**WOLD**

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## RAMSEY COUNTY



## Park Department Headquarters Space Study

Saint Paul, Minnesota  
April 1, 2016

Administration Building Renovation  
Attachment A - Study & Estimate

Minnesota  
Illinois  
Michigan  
Colorado





**RAMSEY COUNTY**  
Parks Department Headquarters Space Study  
April 1, 2016

Wold Architects & Engineers is pleased to submit to the Ramsey County, this Space Study for the Parks Department Headquarters facility.

We wish to thank the Core Planning Group and the Division staff for their efforts in assisting us in development of decisions necessary to advance the study to this stage in a timely fashion. Thank you for the consideration of this matter.

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Joel L. Dunning // AIA, LEED-AP  
Partner-In-Charge  
Wold Architects and Engineers



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<b>3. Recommended Solutions</b>	
A. Summary of Recommendations	Page 10
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C. Proposed Phasing Plans	Page 13
D. Proposed Project Budget	Page 21
<b>Appendices</b>	
A. Meeting Minutes	
- Core Group Meetings	
- Department Interviews	

## **Introduction – Objectives**

Wold Architects and Engineers is pleased to submit this Parks Department Headquarters Space Study to Ramsey County.

The Parks Department Headquarters was originally constructed in 1985 with a footprint of 39,184 square feet and a gross area of 61,815 square feet. The facility houses the Administration, Finance, Planning, Operations and Golf Divisions of the Parks Department. The facility also houses a large training room which is available for any department in Ramsey County to schedule for utilization. The facility is located at 2015 Van Dyke Street, Saint Paul. The facility's 10,457sf lower level is all cold storage. The 39,184sf main level contains approximately 6,000sf of office space with the remainder being maintenance, storage and shop space. The 12,174sf upper level is also approximately 6,000sf of office space with the remaining as mezzanine shop storage space.

Wold Architects and Engineers was commissioned in late 2015 to perform a Space Utilization Study. The objective of this study was to identify a space utilization masterplan which addresses any existing deficiencies in the facility, addresses potential future growth and reorganizes the occupants with improved operational and functional efficiencies. In other words, the intent of the study is to determine how to best reorganize or reconfigure departments within the existing facility to streamline public service, improve safety and efficiency and maximize internal collaboration between departments and staff, while also planning for any likely future potential growth of each department.

## **Core Group Recommendation**

With the conclusion of this Ramsey Count Parks Department Headquarters Space Study, the Core Planning Group recommends that the funding be considered to implement the proposed, phased reorganization of the facility with remodeling to facilitate the effective clustering of function groups of staff, and to foster the collaboration of staff by providing better internal adjacencies and efficiencies.

## **Introduction – Participants**

We wish to thank the Core Group and all of the study's participants for their efforts in providing Wold's team with the information necessary to complete this report in a thorough and timely fashion.

### Core Group Committee

Jon Oyanagi, Director of Parks and Recreation  
Sarah Ackman, Director of Arena and Golf Operations  
Trudy Winek, Accounting  
Scott Vonke, Director of Planning and Development  
Mark McCabe, Director of Park Services and Operations

Thank you for your consideration of this Space Needs Assessment.

## **Introduction – Study Methodology**

To arrive at the conclusions in this report, extensive meetings and discussions occurred between the World team, the Core Planning Group and divisions. This effort included facility tours, staff interviews and information gathering.

The following goals for the study were outlined early in the process:

- Step 1:** Meet with Core Group to clarify Study Objectives
- Step 2:** Interview and tour the existing divisions and review Space Utilization Assessment surveys.
- Step 3:** Development of consensus on deficiencies and ideal operational models.
- Step 4:** Development of solution options to address deficiencies and ideal operational models.
- Step 5:** Demonstrate implementation phasing and cost impacts to the solutions.
- Step 6:** Development of consensus on solutions.
- Step 7:** Documents findings in a report.

## **Needs and Objectives – Guiding Principles**

At the kick-off meeting, the group generated a list of goals and objectives to help direct the purpose of the study. Consensus by the Core Planning Group was developed surrounding the following list, which helped keep the team focused during the decision making process.

### **Guiding Principles:**

1. Sustainability is important.
2. Create functional adjacencies and accommodate growth.
3. Ideal zoning is based on work flow, not security.
4. Develop collaboration spaces (more functional than the big one).
5. Improve usability of large conference room.
6. Unifying the break room is a secondary strategy that might support other moves.
7. Creating a common work area/break area would help unify the department.
8. Creation of an outdoor space would be nice.

## Needs and Objectives – Summary of Deficiencies

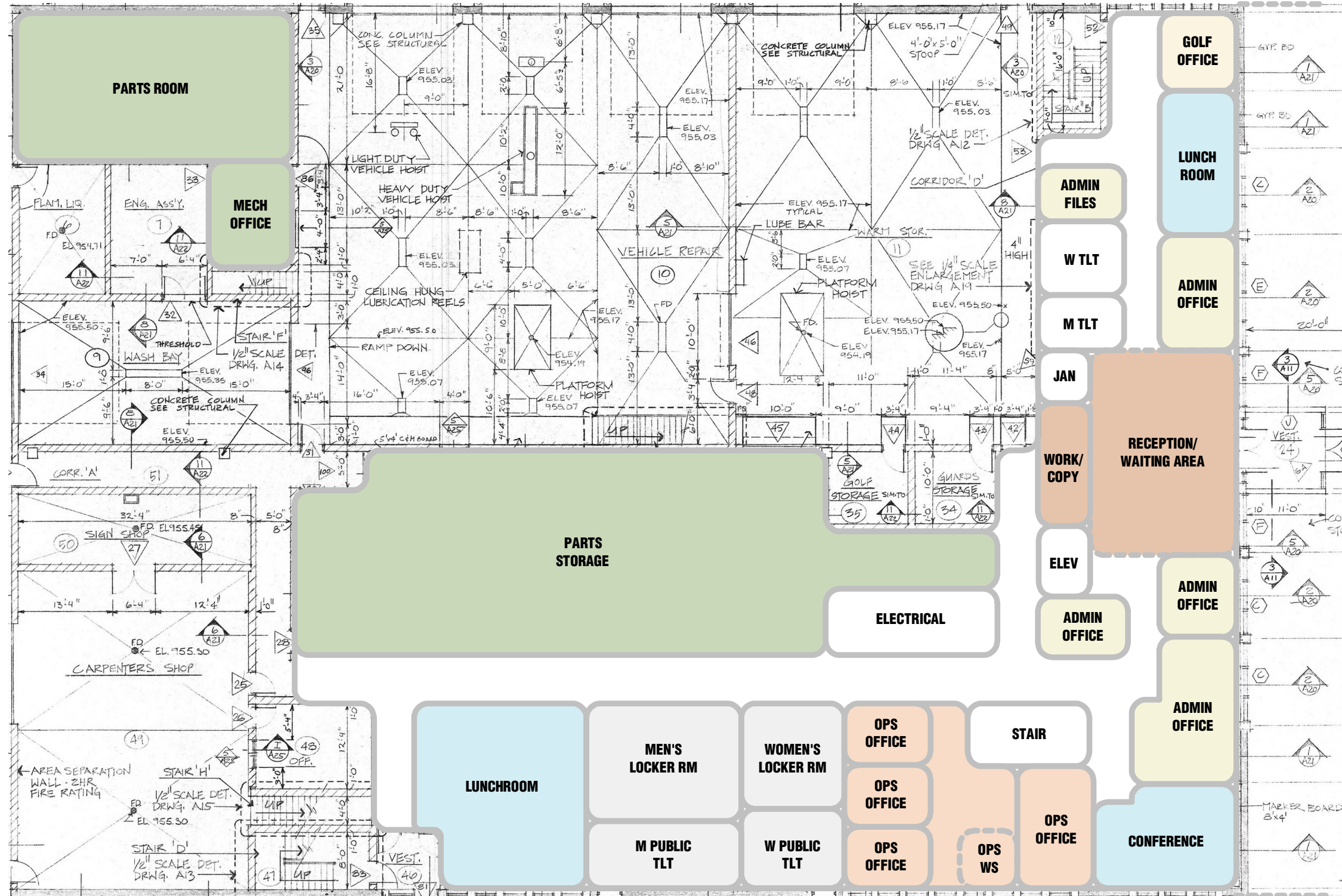
Each division within the Parks Department completed a survey helping the team identify functional requirements for the division, including necessary adjacencies with other divisions or rooms within the facility, current and projected staffing needs, security and technology needs/ deficiencies, type and amount of public interaction and type services provided. Informational interviews and tours of divisions solidified the needs and deficiencies for each department.

### Building-Wide Programmatic Deficiencies:

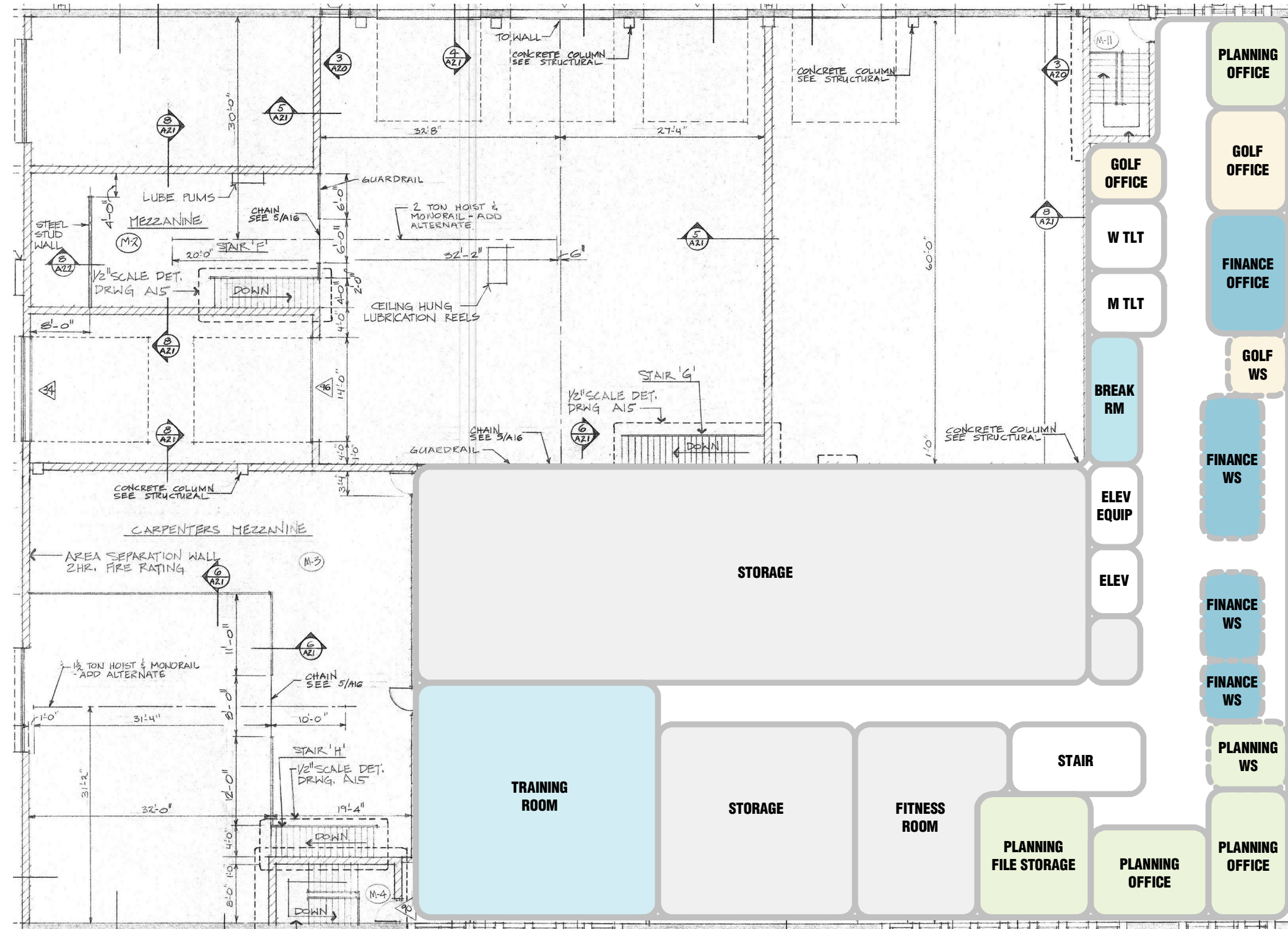
- Poor wayfinding to the large training room upstairs
- More Conference Rooms
  - More spaces for collaboration
  - Incorporate technology into rooms
- Separation between public and staff
- Visitor Waiting Area
- Unified break room
- Reduce the oversized fitness and storage on 2<sup>nd</sup> floor
- Finishes are worn and dated

### Department-Specific Programmatic Deficiencies:

- Work space for two interns, one near Administration.
- Added workspace for new employees
- A design studio to collaborate on planning efforts
- Payroll and HR need private offices
- Front desk improvements for a second staff person in summer
- Ventilation improvements to the fertilizer room to meet MN Dept of Agriculture requirements
- Exterior access to the Parts Desk for deliveries
- Carpenter office is too small



1 MAIN LEVEL - EXISTING PLAN  
1/16" = 1'-0"  
0 12' 24'



- ADMINISTRATION
- PLANNING
- FINANCE
- OPERATIONS
- GOLF
- SHARED CONF/SPACE
- PARTS
- RECEPTION/LOBBY
- FITNESS/LUNCHROOM
- STORAGE/TOILET
- EXISTING

**1 UPPER LEVEL - EXISTING PLAN**  
1/16" = 1'-0"  
0 12' 24'



## Proposed Space Program Summary

Spaces needed to support the facility operations were developed and reviewed with the Core Planning Group. The following pages summarize, and then detail room by room, the space needs generated to allow the facility to operate effectively and efficiently both today and into the foreseeable future.

	Existing Building	Proposed Program	Program As Shown
<b>1.100 Public Spaces</b>			
1.101 Public Lobby/Waiting	300 s.f.	300 s.f.	580 s.f.
1.102 Training Room	966 s.f.	966 s.f.	1,300 s.f.
Public Spaces Net Area Total:	1,266 s.f.	1,266 s.f.	1,880 s.f.
Net to Usable SF Factor	1.40	X	X
Public Spaces USF Needed	1,772 s.f.		2,632 s.f.
<b>1.200 Administration</b>			
1.201 Director Office	258 s.f.	180 s.f.	220 s.f.
1.202 Assistant Office	123 s.f.	120 s.f.	105 s.f.
1.203 Specialist Office	93 s.f.	120 s.f.	120 s.f.
1.204 Service Counter Office	175 s.f.	120 s.f.	120 s.f.
1.205 Receptionist Workstation	109 s.f.	110 s.f.	110 s.f.
1.206 Intern Workstation	55 s.f.	64 s.f.	64 s.f.
1.207 Copy/Workroom	104 s.f.	104 s.f.	125 s.f.
1.208 Admin Files	76 s.f.	0 s.f.	0 s.f.
Administration Net Area Total:	993 s.f.	818 s.f.	904 s.f.
Net to Usable SF Factor	1.40	X	X
Administration USF Needed	1,145 s.f.		1,210 s.f.
<b>1.300 Operations</b>			
1.301 Director Office	162 s.f.	150 s.f.	210 s.f.
1.302 Supervisor Office	97 s.f.	120 s.f.	140 s.f.
1.303 Active Living Supervisor Office	97 s.f.	96 s.f.	140 s.f.
1.304 Supervisor Office	97 s.f.	120 s.f.	190 s.f.
1.305 Seasonal Supervisor Workstation	64 s.f.	64 s.f.	64 s.f.
1.306 New Programmer Workstation	-	64 s.f.	64 s.f.
1.307 New Intern Workstation	-	64 s.f.	64 s.f.
1.308 Program Storage	-	120 s.f.	120 s.f.
1.309 Copy/Work Area	-	80 s.f.	70 s.f.
Operations Net Area Total:	517 s.f.	878 s.f.	1,062 s.f.
Net to Usable SF Factor	1.40	X	X
Operations USF Needed	1,229 s.f.		1,487 s.f.

### Program Summary (cont.)

<b>1.400 Planning</b>			
1.401 Director Office	206 s.f.	150 s.f.	260 s.f.
1.402 Manager Office	190 s.f.	120 s.f.	130 s.f.
1.403 Landscape Arch Office	182 s.f.	120 s.f.	130 s.f.
1.404 Resource Mgr Office	125 s.f.	96 s.f.	130 s.f.
1.405 <i>New LA Office</i>	-	120 s.f.	130 s.f.
1.406 <i>New Studio Work Area</i>	-	240 s.f.	400 s.f.
1.407 <i>Planning File Storage</i>	248 s.f.	200 s.f.	150 s.f.
<hr/>			
Planning Net Area Total:	951 s.f.	1,046 s.f.	1,330 s.f.
		X	X
<hr/>			
Net to Usable SF Factor		1.40	1.40
<hr/>			
Planning USF Needed		1,464 s.f.	1,862 s.f.
<hr/>			
<b>1.500 Finance</b>			
1.501 Director Office	190 s.f.	150 s.f.	160 s.f.
1.502 Account Clerk Workstation	86 s.f.	120 s.f.	130 s.f.
1.503 Payroll Processing Workstation	163 s.f.	96 s.f.	130 s.f.
1.504 Accountant Workstation	86 s.f.	96 s.f.	130 s.f.
<hr/>			
Finance Net Area Total:	525 s.f.	462 s.f.	550 s.f.
		X	X
<hr/>			
Net to Usable SF Factor		1.40	1.40
<hr/>			
Finance USF Needed		647 s.f.	770 s.f.
<hr/>			
<b>1.600 Golf/Arenas</b>			
1.601 Director Office	190 s.f.	150 s.f.	170 s.f.
1.602 Supervisor Office	134 s.f.	120 s.f.	140 s.f.
1.603 Supervisor Workstation	60 s.f.	96 s.f.	120 s.f.
1.604 Superintendent Office	115 s.f.	120 s.f.	170 s.f.
<hr/>			
Golf/Arenas Net Area Total:	499 s.f.	486 s.f.	600 s.f.
		X	X
<hr/>			
Net to Usable SF Factor		1.40	1.40
<hr/>			
Golf/Arenas USF Needed		680 s.f.	840 s.f.

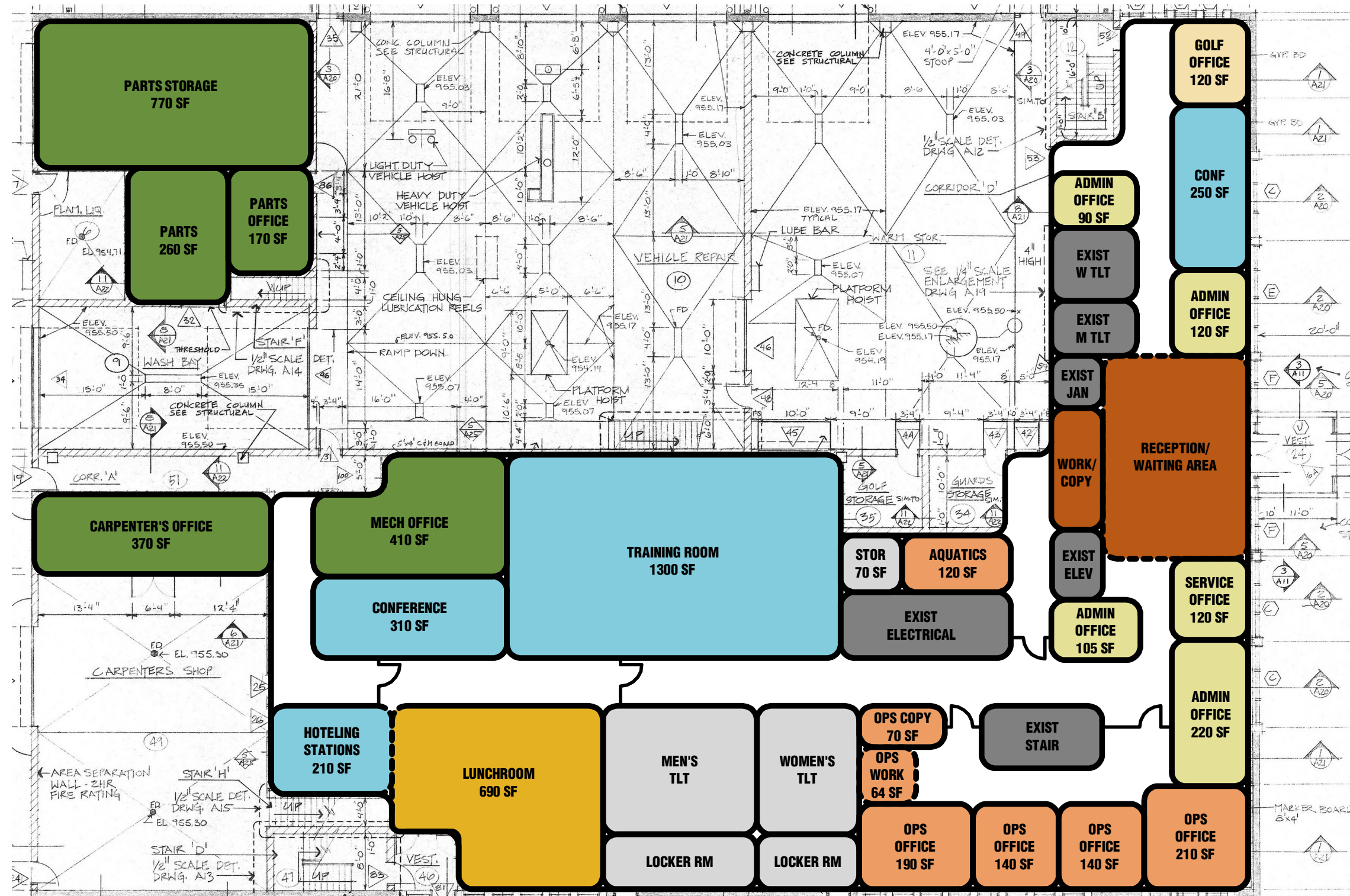
### Program Summary (cont.)

<b>1.700 Support Spaces</b>			
1.701	Conference Room	274 s.f.	274 s.f.
1.702	Break Room	290 s.f.	0 s.f.
1.703	Break Nook	109 s.f.	100 s.f.
1.704	Lunch Room	585 s.f.	800 s.f.
1.705	Fitness Room	480 s.f.	320 s.f.
1.706	Men's Locker Room	526 s.f.	526 s.f.
1.707	Women's Locker Room	345 s.f.	345 s.f.
1.708	File/Storage Room	765 s.f.	500 s.f.
1.709	Hotelling Stations	-	120 s.f.
1.710	Conference Room	-	180 s.f.
1.711	Conference Room	-	180 s.f.
	Support Spaces Net Area Total:	3,374 s.f.	3,345 s.f.
	Net to Usable SF Factor	-	X
	Support Spaces USF Needed	-	1,40
<b>1.800 Misc</b>			
1.801	Parts Office & Storage	1,994 s.f.	1,000 s.f.
	Misc Net Area Total:	1,994 s.f.	1,000 s.f.
	Net to Usable SF Factor	-	X
	Misc USF Needed	-	1,400 s.f.



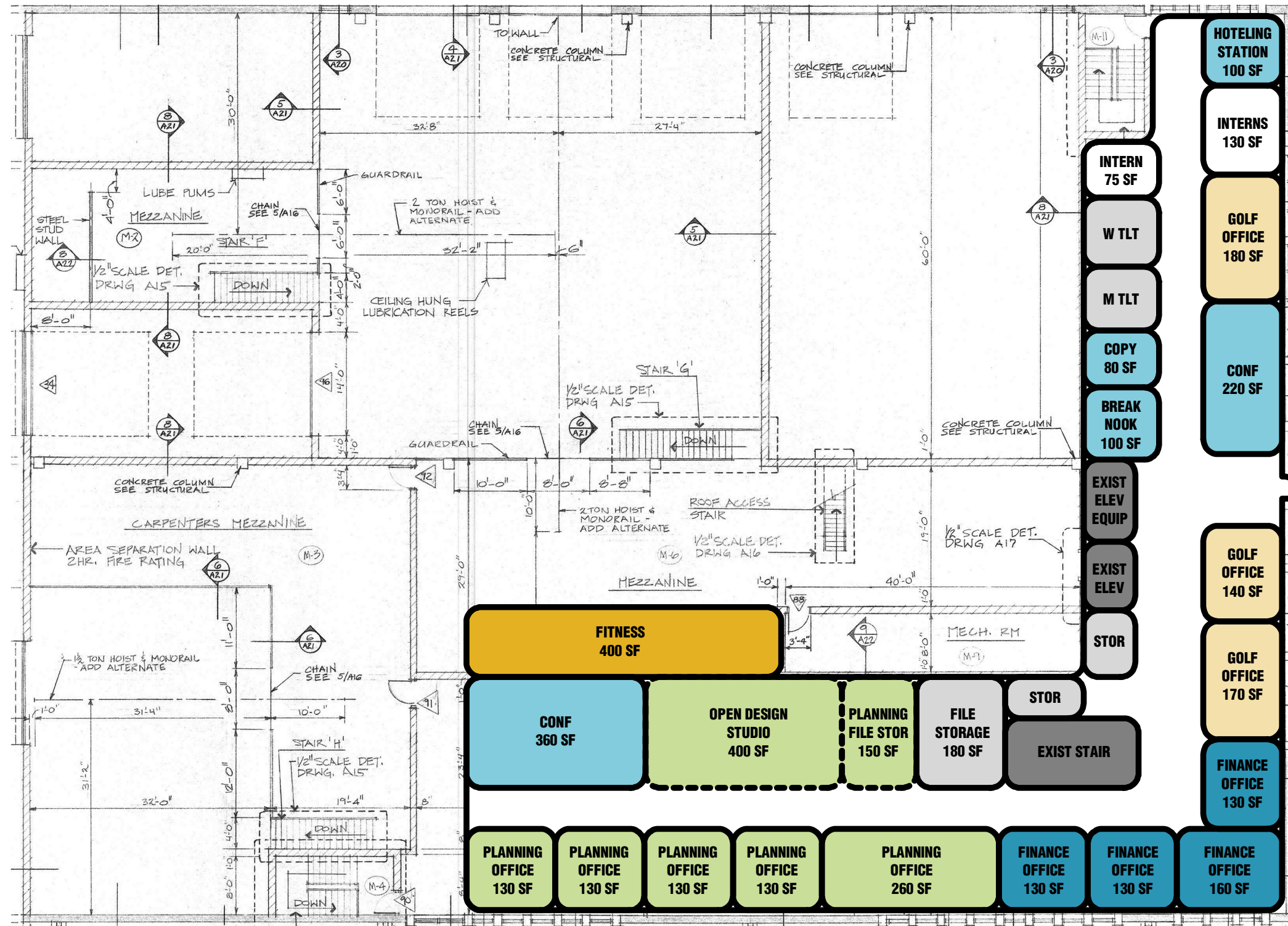
## **Recommended Solutions – Summary of Recommendations**

The following pages depict the conceptual plan that was developed through an iterative, collaborative process with the Core Group. Following the concept plans are a series of suggested phasing plans that offer a strategy for implementation which minimizes the number of staff relocations. Finally, a conceptual project budget is presented based upon the differing levels of remodeling intensity.



- ADMINISTRATION
- PLANNING
- FINANCE
- OPERATIONS
- GOLF
- SHARED CONF/SPACE
- PARTS
- RECEPTION/LOBBY
- FITNESS/LUNCHROOM
- STORAGE/TOILET
- EXISTING

1 MAIN LEVEL - PROPOSED PLAN  
1/16" = 1'-0"  
0 12' 24'



1 UPPER LEVEL - PROPOSED PLAN  
1/16" = 1'-0"  
0 12' 24'

**PHASE 1**

- Consolidate items in Parts Storage in highlighted area and move into temporary storage
- Clear out items in existing Sign Shop
- Construction work on new Mechanics Office and Conference Room in existing Parts Storage
- Move Carpenter's Office from second floor to existing Sign Shop

**PHASE 2**

- Construction work on new Parts Storage and Offices
- Move the remaining items from existing Parts Storage to new location

**PHASE 3**

- Construction work on new Training Center (will serve as temporary lunchroom during Phase 4 construction)

**PHASE 4**

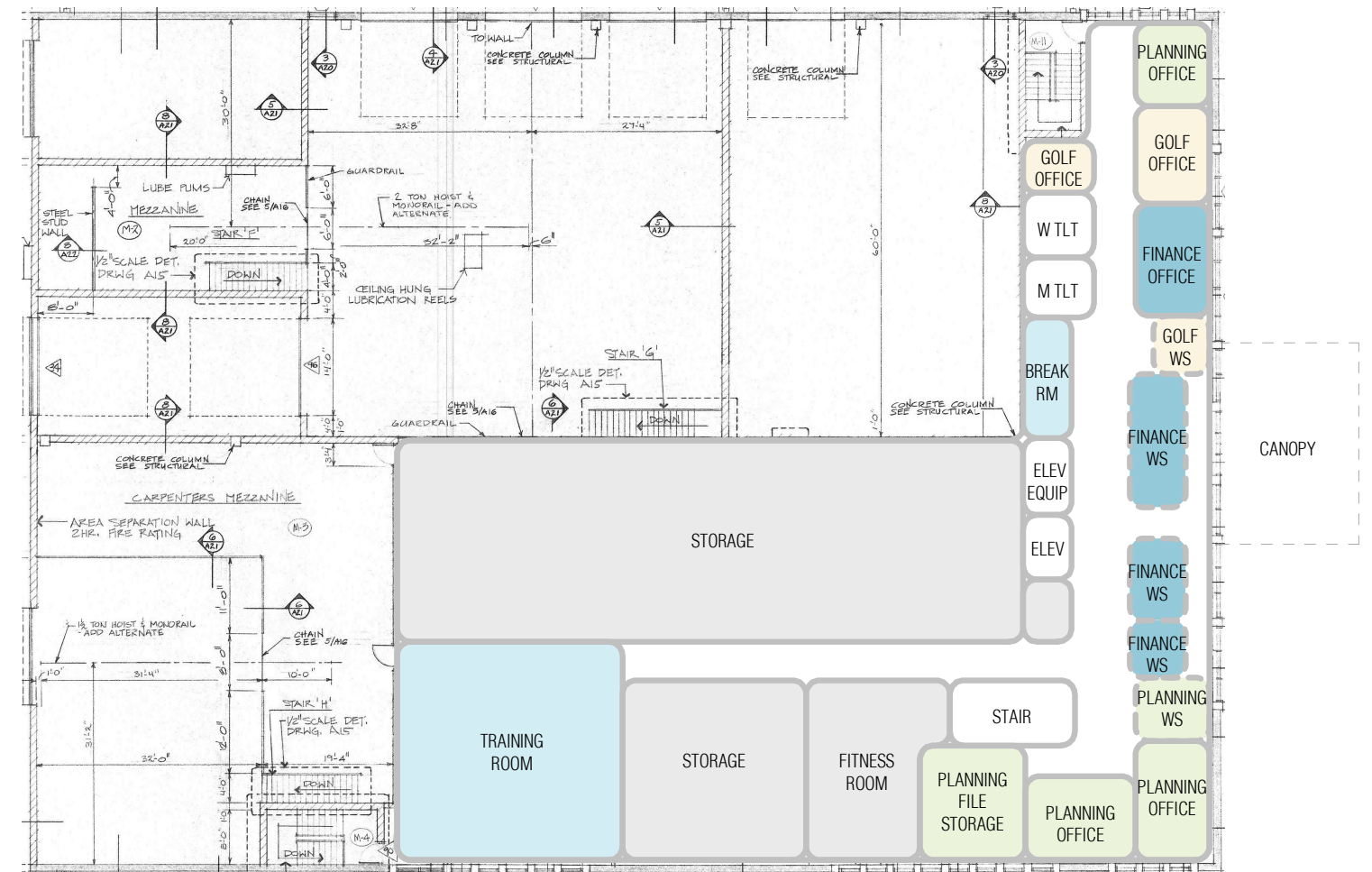
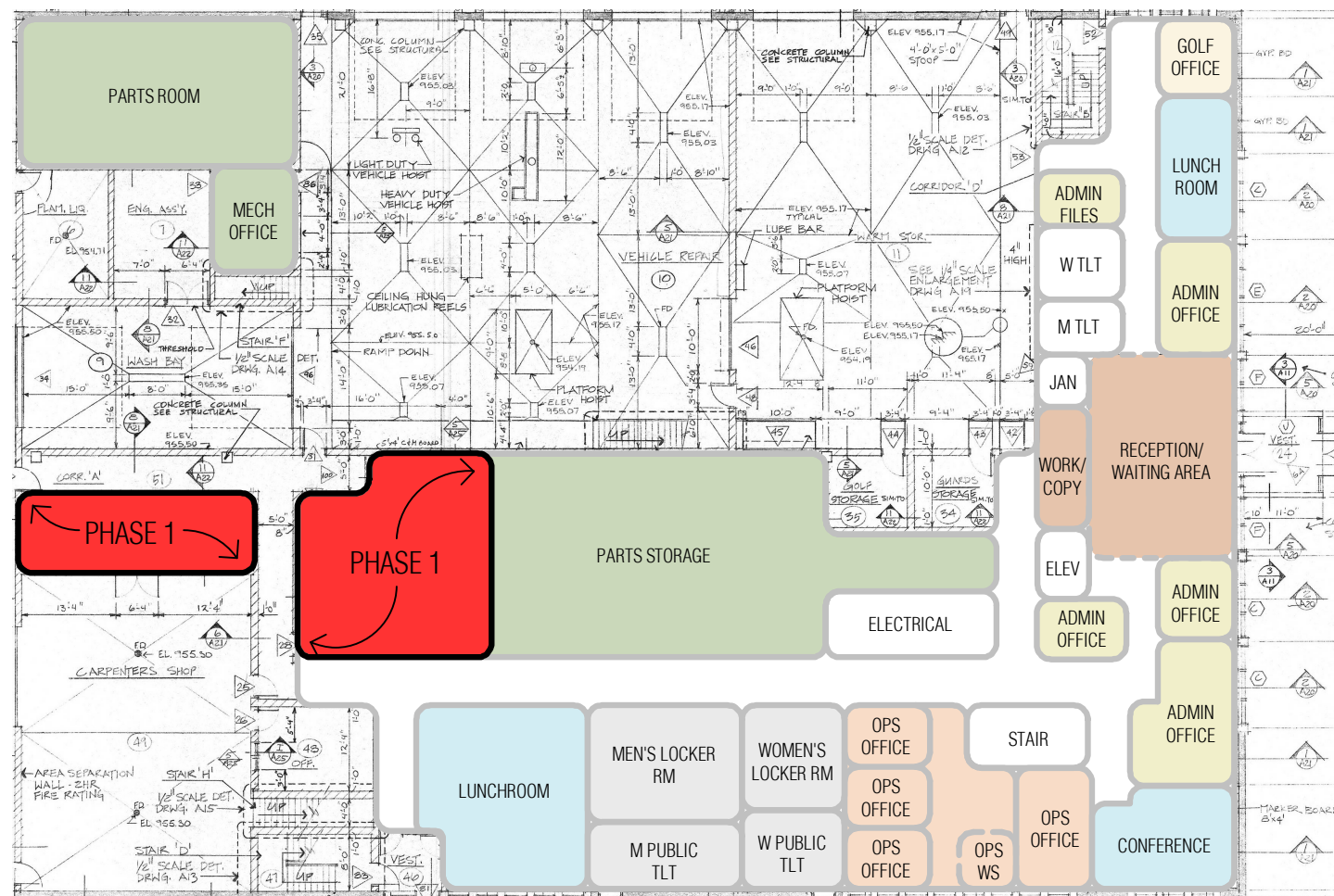
- Construction work on new Lunchroom/Hoteling Stations and renovations of existing Men's and Woman's toilet/locker rooms
- Construction work on Planning department
- Lunchroom will be temporarily displaced in new Training Center (Training Center will still be operational)

**PHASE 5**

- Move Planning department into permanent constructed offices
- Construction work on Operations Offices and Finance/Golf Offices (displace existing offices in new Training Room)

**PHASE 6**

- Move Operations, Finance, and Golf departments into permanent constructed offices
- Renovation work on existing Administration Offices and Reception area
- Construction work on remaining Golf Offices, Intern workstations, other shared spaces (displace existing offices in new Training Room)



**1 MAIN AND UPPER LEVEL - PHASE 1**  
NOT TO SCALE

PHASE 1

- Consolidate items in Parts Storage in highlighted area and move into temporary storage
- Clear out items in existing Sign Shop
- Construction work on new Mechanics Office and Conference Room in existing Parts Storage
- Move Carpenter's Office from second floor to existing Sign Shop

PHASE 2

- Construction work on new Parts Storage and Offices
- Move the remaining items from existing Parts Storage to new location

PHASE 3

- Construction work on new Training Center (will serve as temporary lunchroom during Phase 4 construction)

PHASE 4

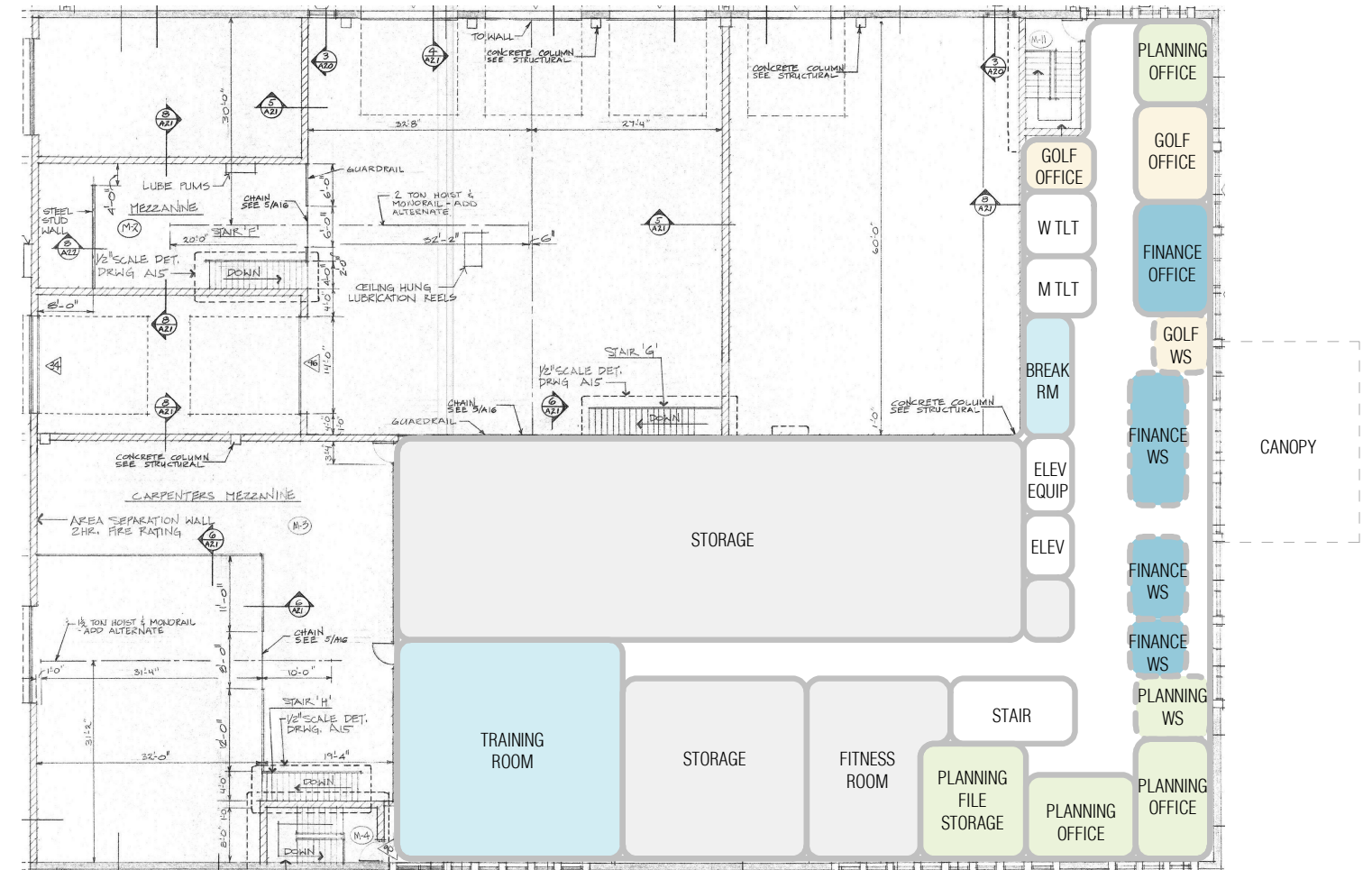
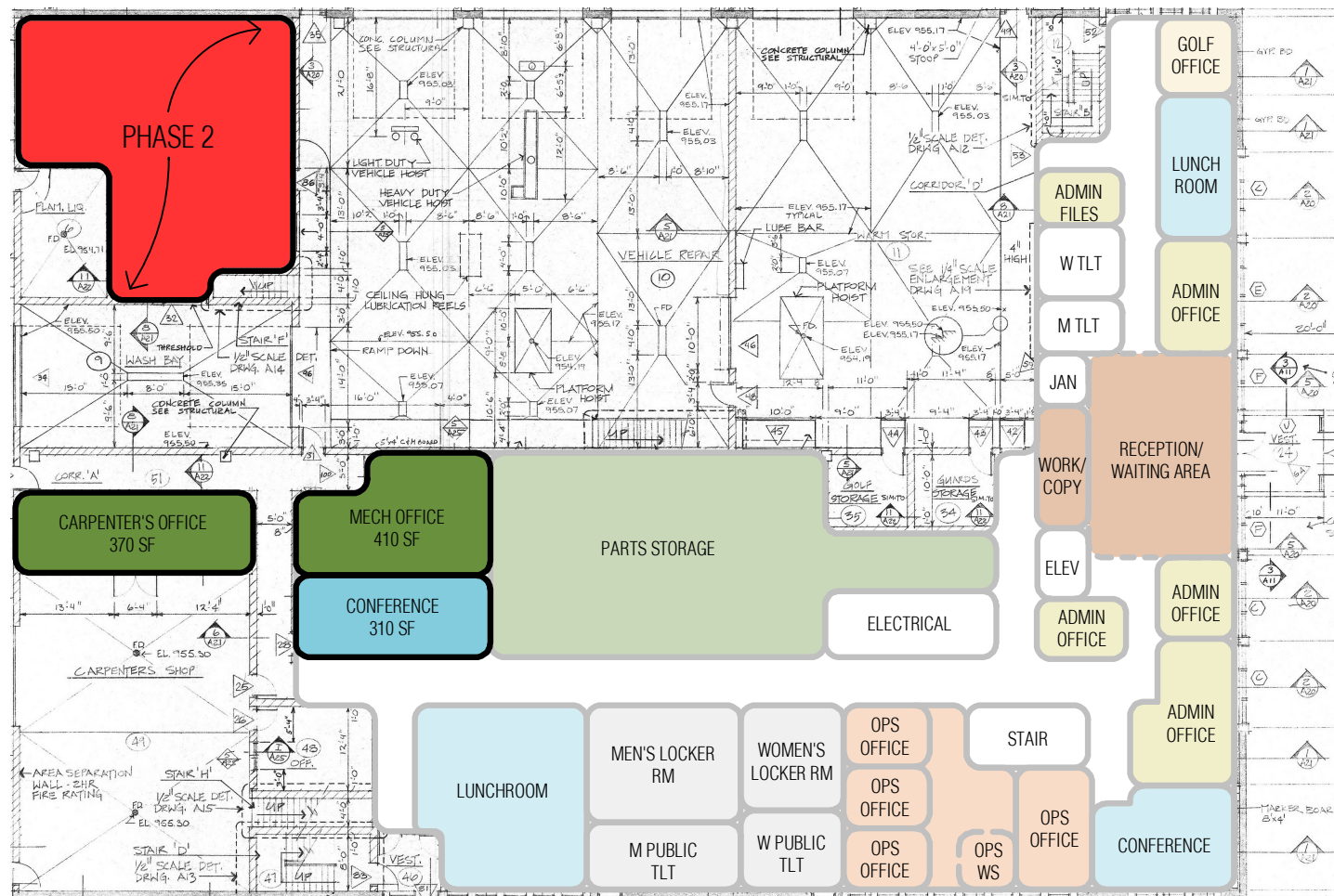
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- Construction work on Planning department
- Lunchroom will be temporarily displaced in new Training Center (Training Center will still be operational)

PHASE 5

- Move Planning department into permanent constructed offices
- Construction work on Operations Offices and Finance/Golf Offices (displace existing offices in new Training Room)

PHASE 6

- Move Operations, Finance, and Golf departments into permanent constructed offices
- Renovation work on existing Administration Offices and Reception area
- Construction work on remaining Golf Offices, Intern workstations, other shared spaces (displace existing offices in new Training Room)



1 MAIN AND UPPER LEVEL - PHASE 2  
NOT TO SCALE



PHASE 1

- Consolidate items in Parts Storage in highlighted area and move into temporary storage
- Clear out items in existing Sign Shop
- Construction work on new Mechanics Office and Conference Room in existing Parts Storage
- Move Carpenter's Office from second floor to existing Sign Shop

PHASE 2

- Construction work on new Parts Storage and Offices
- Move the remaining items from existing Parts Storage to new location

PHASE 3

- Construction work on new Training Center (will serve as temporary lunchroom during Phase 4 construction)

PHASE 4

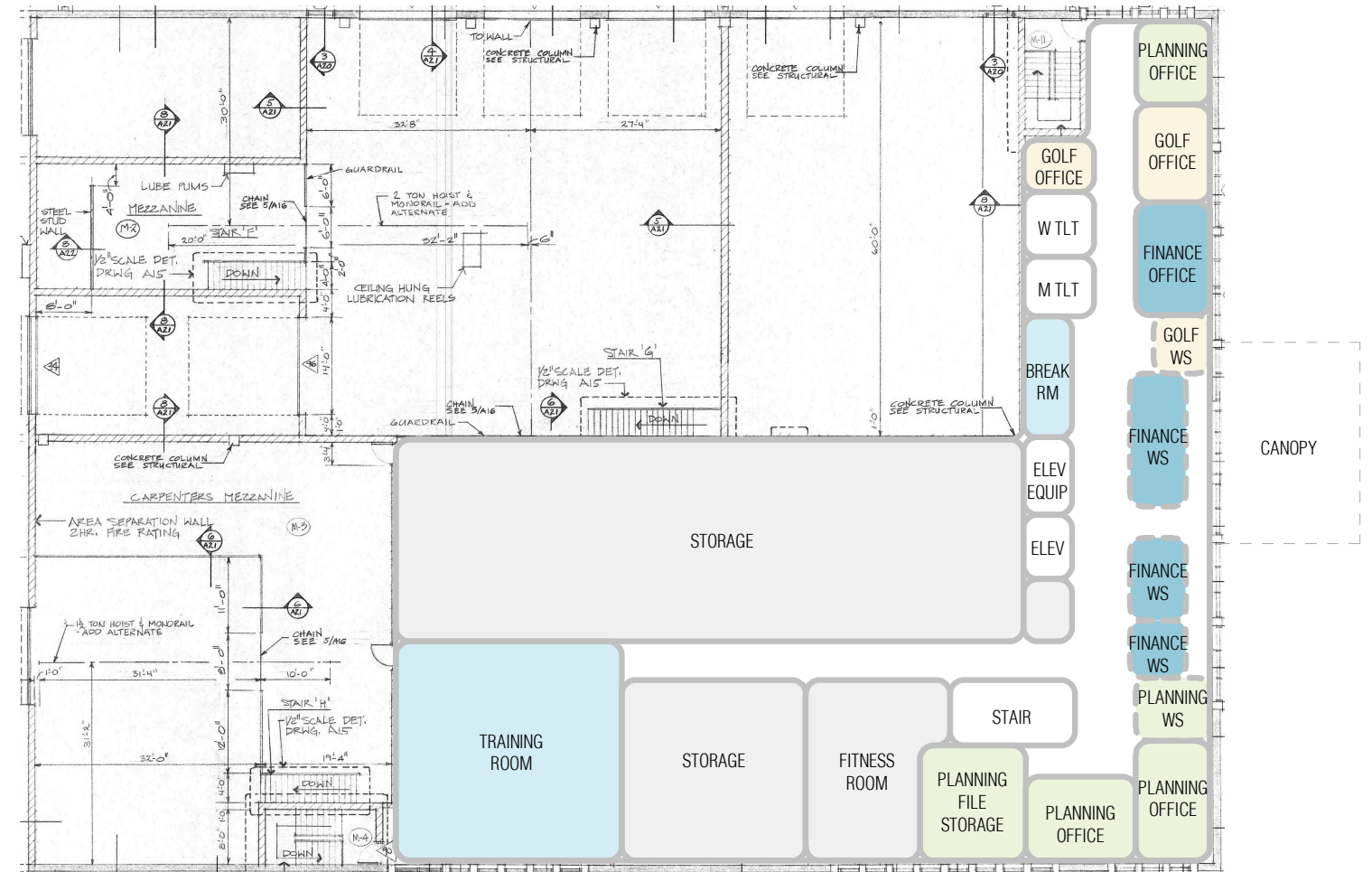
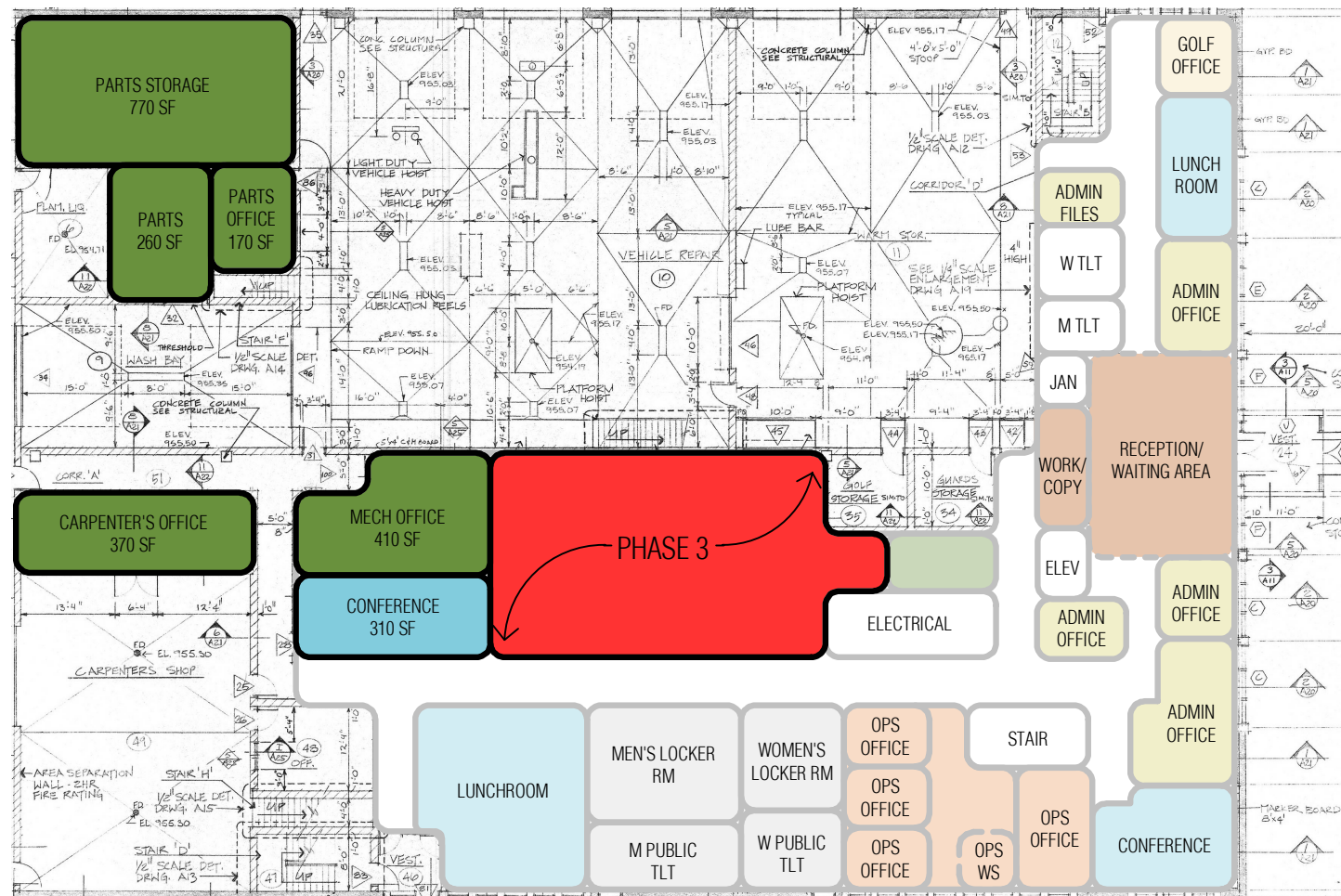
- Construction work on new Lunchroom/Hoteling Stations and renovations of existing Men's and Woman's toilet/locker rooms
- Construction work on Planning department
- Lunchroom will be temporarily displaced in new Training Center (Training Center will still be operational)

PHASE 5

- Move Planning department into permanent constructed offices
- Construction work on Operations Offices and Finance/Golf Offices (displace existing offices in new Training Room)

PHASE 6

- Move Operations, Finance, and Golf departments into permanent constructed offices
- Renovation work on existing Administration Offices and Reception area
- Construction work on remaining Golf Offices, Intern workstations, other shared spaces (displace existing offices in new Training Room)



1 MAIN AND UPPER LEVEL - PHASE 3  
NOT TO SCALE

PHASE 1

- Consolidate items in Parts Storage in highlighted area and move into temporary storage
- Clear out items in existing Sign Shop
- Construction work on new Mechanics Office and Conference Room in existing Parts Storage
- Move Carpenter's Office from second floor to existing Sign Shop

PHASE 2

- Construction work on new Parts Storage and Offices
- Move the remaining items from existing Parts Storage to new location

PHASE 3

- Construction work on new Training Center (will serve as temporary lunchroom during Phase 4 construction)

PHASE 4

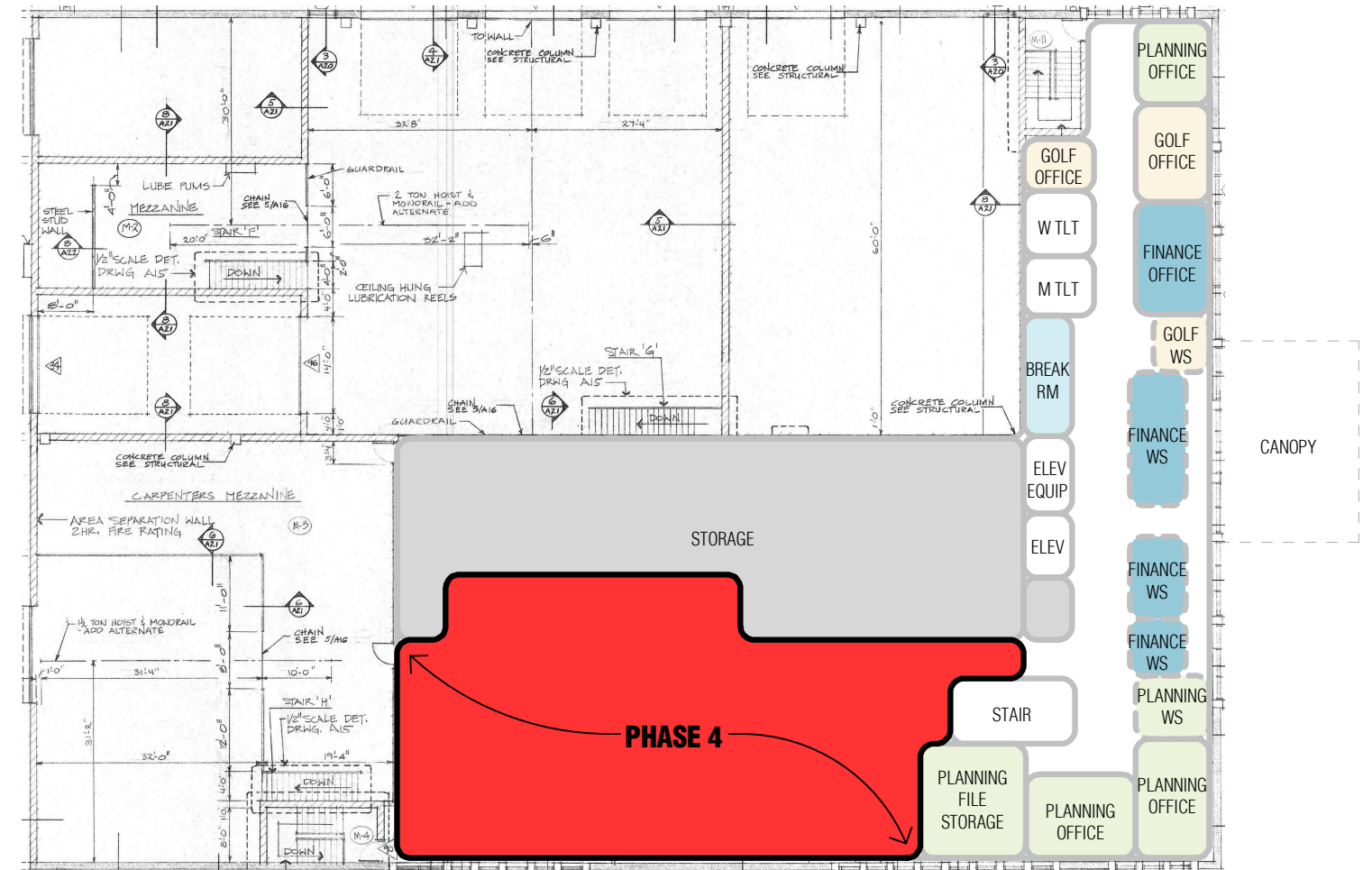
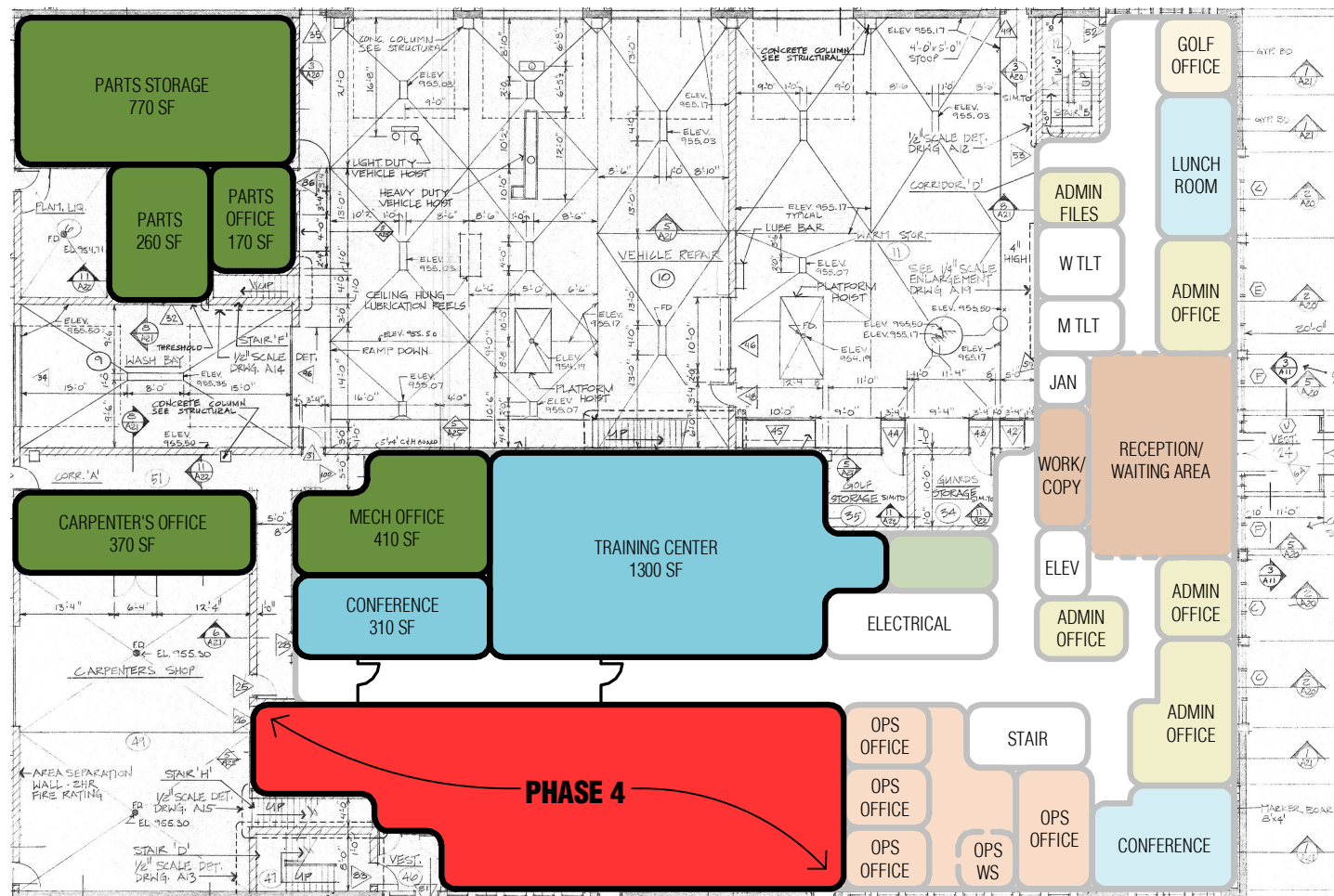
- Construction work on new Lunchroom/Hoteling Stations and renovations of existing Men's and Woman's toilet/locker rooms
- Construction work on Planning department
- Lunchroom will be temporarily displaced in new Training Center (Training Center will still be operational)

PHASE 5

- Move Planning department into permanent constructed offices
- Construction work on Operations Offices and Finance/Golf Offices (displace existing offices in new Training Room)

PHASE 6

- Move Operations, Finance, and Golf departments into permanent constructed offices
- Renovation work on existing Administration Offices and Reception area
- Construction work on remaining Golf Offices, Intern workstations, other shared spaces (displace existing offices in new Training Room)



1 MAIN AND UPPER LEVEL - PHASE 4  
NOT TO SCALE

PHASE 1

- Consolidate items in Parts Storage in highlighted area and move into temporary storage
- Clear out items in existing Sign Shop
- Construction work on new Mechanics Office and Conference Room in existing Parts Storage
- Move Carpenter's Office from second floor to existing Sign Shop

PHASE 2

- Construction work on new Parts Storage and Offices
- Move the remaining items from existing Parts Storage to new location

PHASE 3

- Construction work on new Training Center (will serve as temporary lunchroom during Phase 4 construction)

PHASE 4

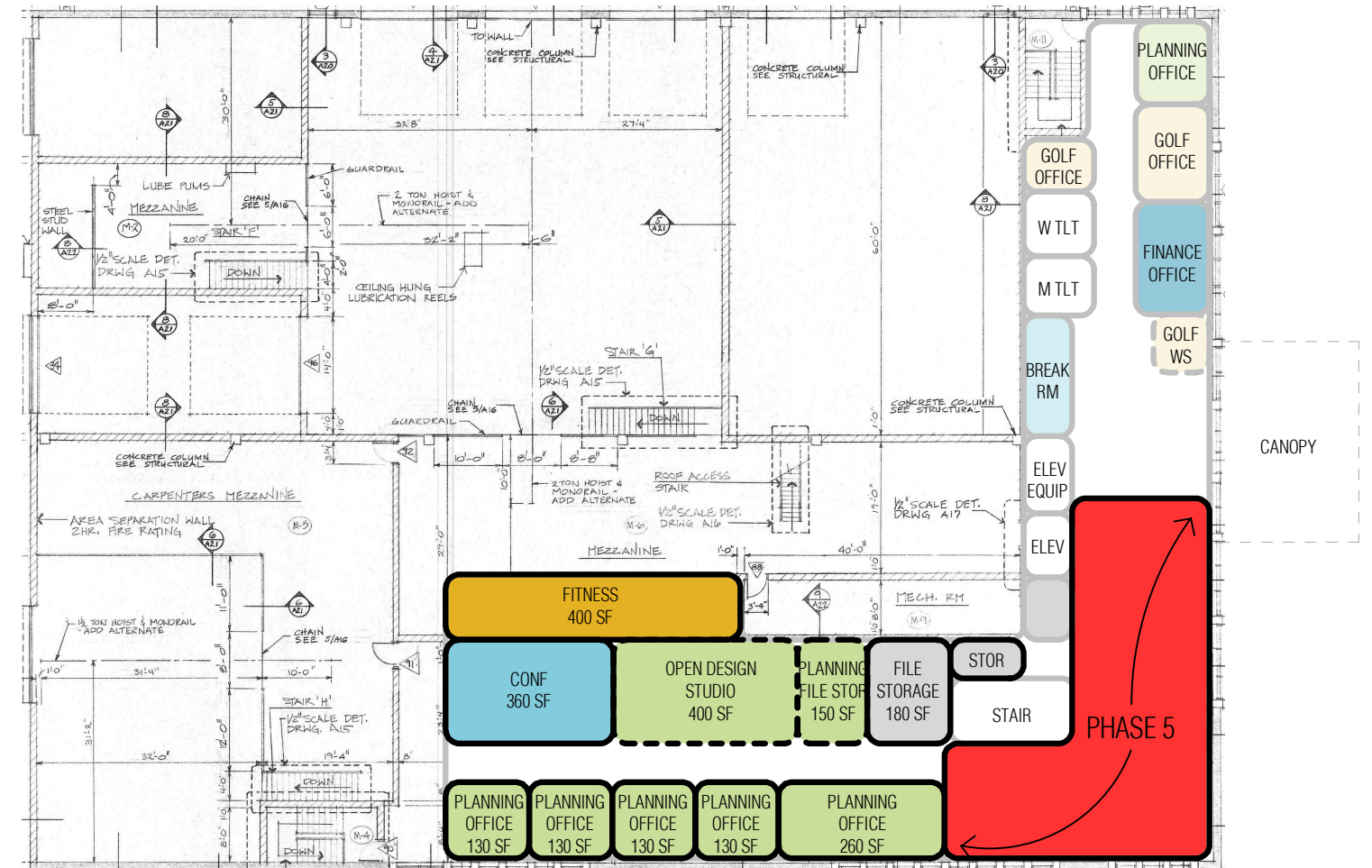
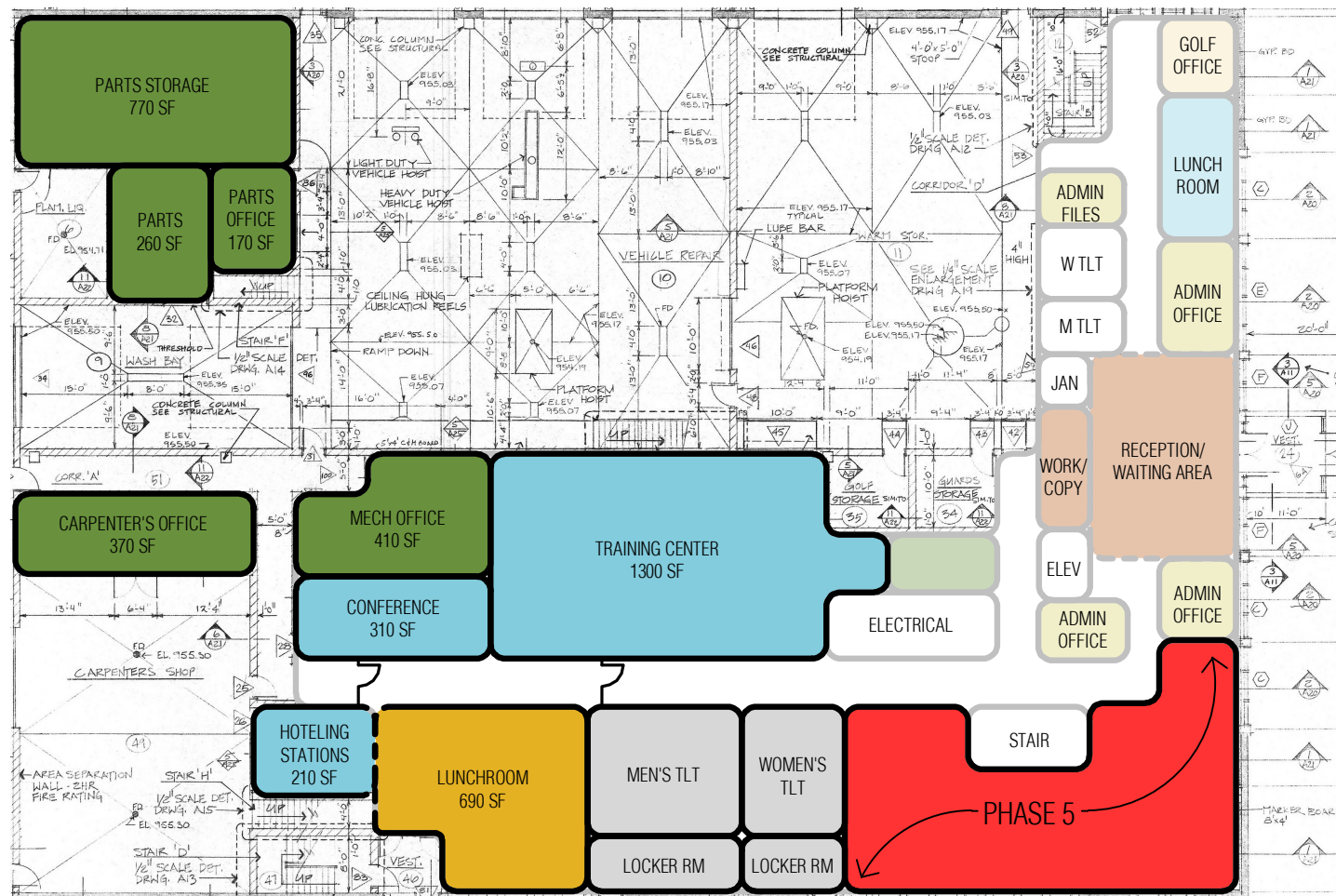
- Construction work on new Lunchroom/Hoteling Stations and renovations of existing Men's and Woman's toilet/locker rooms
- Construction work on Planning department
- Lunchroom will be temporarily displaced in new Training Center (Training Center will still be operational)

PHASE 5

- Move Planning department into permanent constructed offices
- Construction work on Operations Offices and Finance/Golf Offices (displace existing offices in new Training Room)

PHASE 6

- Move Operations, Finance, and Golf departments into permanent constructed offices
- Renovation work on existing Administration Offices and Reception area
- Construction work on remaining Golf Offices, Intern workstations, other shared spaces (displace existing offices in new Training Room)



1 MAIN AND UPPER LEVEL - PHASE 5  
NOT TO SCALE

PHASE 1

- Consolidate items in Parts Storage in highlighted area and move into temporary storage
- Clear out items in existing Sign Shop
- Construction work on new Mechanics Office and Conference Room in existing Parts Storage
- Move Carpenter's Office from second floor to existing Sign Shop

PHASE 2

- Construction work on new Parts Storage and Offices
- Move the remaining items from existing Parts Storage to new location

PHASE 3

- Construction work on new Training Center (will serve as temporary lunchroom during Phase 4 construction)

PHASE 4

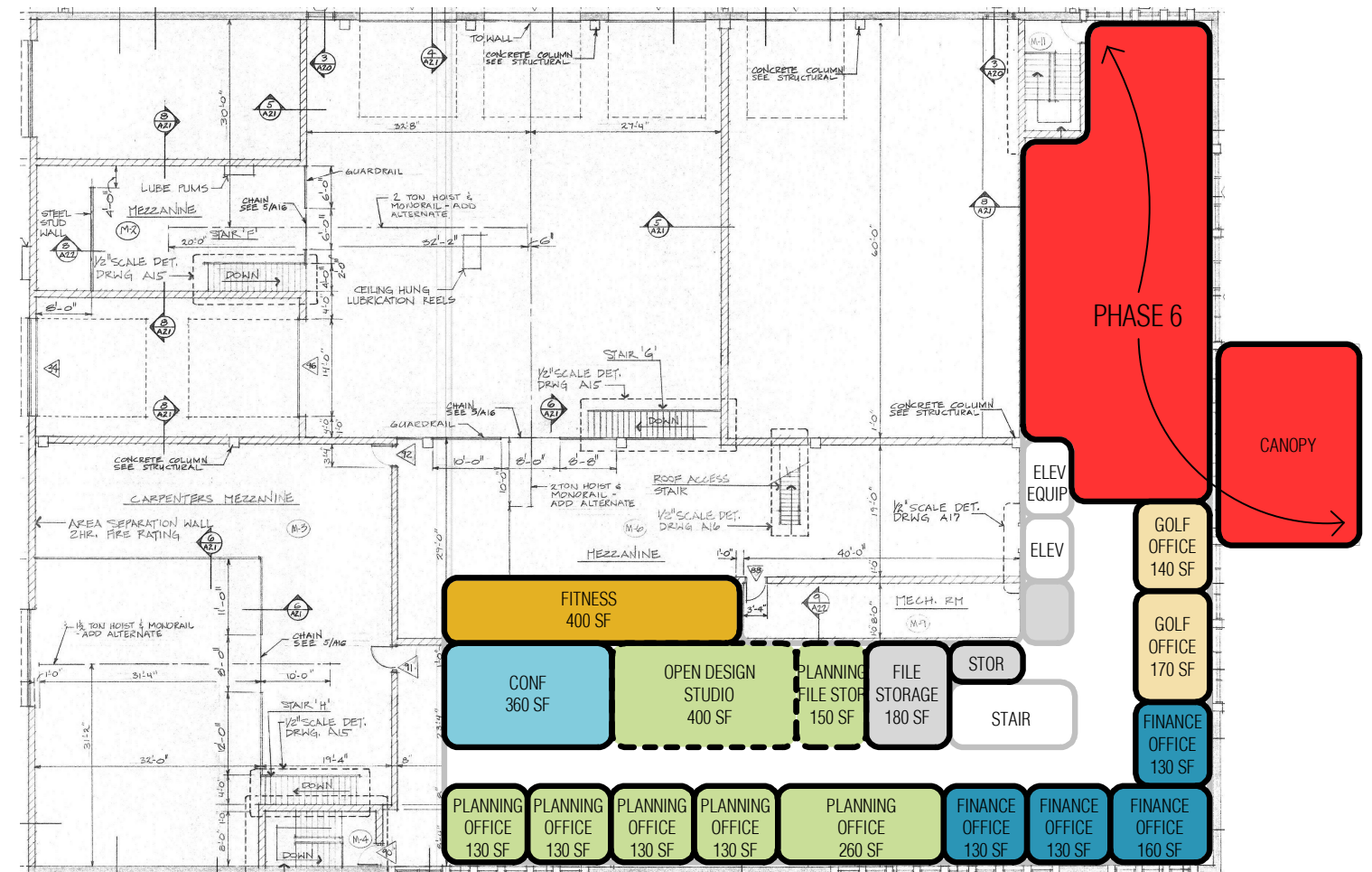
- Construction work on new Lunchroom/Hoteling Stations and renovations of existing Men's and Woman's toilet/locker rooms
- Construction work on Planning department
- Lunchroom will be temporarily displaced in new Training Center (Training Center will still be operational)

PHASE 5

- Move Planning department into permanent constructed offices
- Construction work on Operations Offices and Finance/Golf Offices (displace existing offices in new Training Room)

PHASE 6

- Move Operations, Finance, and Golf departments into permanent constructed offices
- Renovation work on existing Administration Offices and Reception area
- Construction work on remaining Golf Offices, Intern workstations, other shared spaces (displace existing offices in new Training Room)



1 MAIN AND UPPER LEVEL - PHASE 6  
NOT TO SCALE

PHASE 1

- Consolidate items in Parts Storage in highlighted area and move into temporary storage
- Clear out items in existing Sign Shop
- Construction work on new Mechanics Office and Conference Room in existing Parts Storage
- Move Carpenter's Office from second floor to existing Sign Shop

PHASE 2

- Construction work on new Parts Storage and Offices
- Move the remaining items from existing Parts Storage to new location

PHASE 3

- Construction work on new Training Center (will serve as temporary lunchroom during Phase 4 construction)

PHASE 4

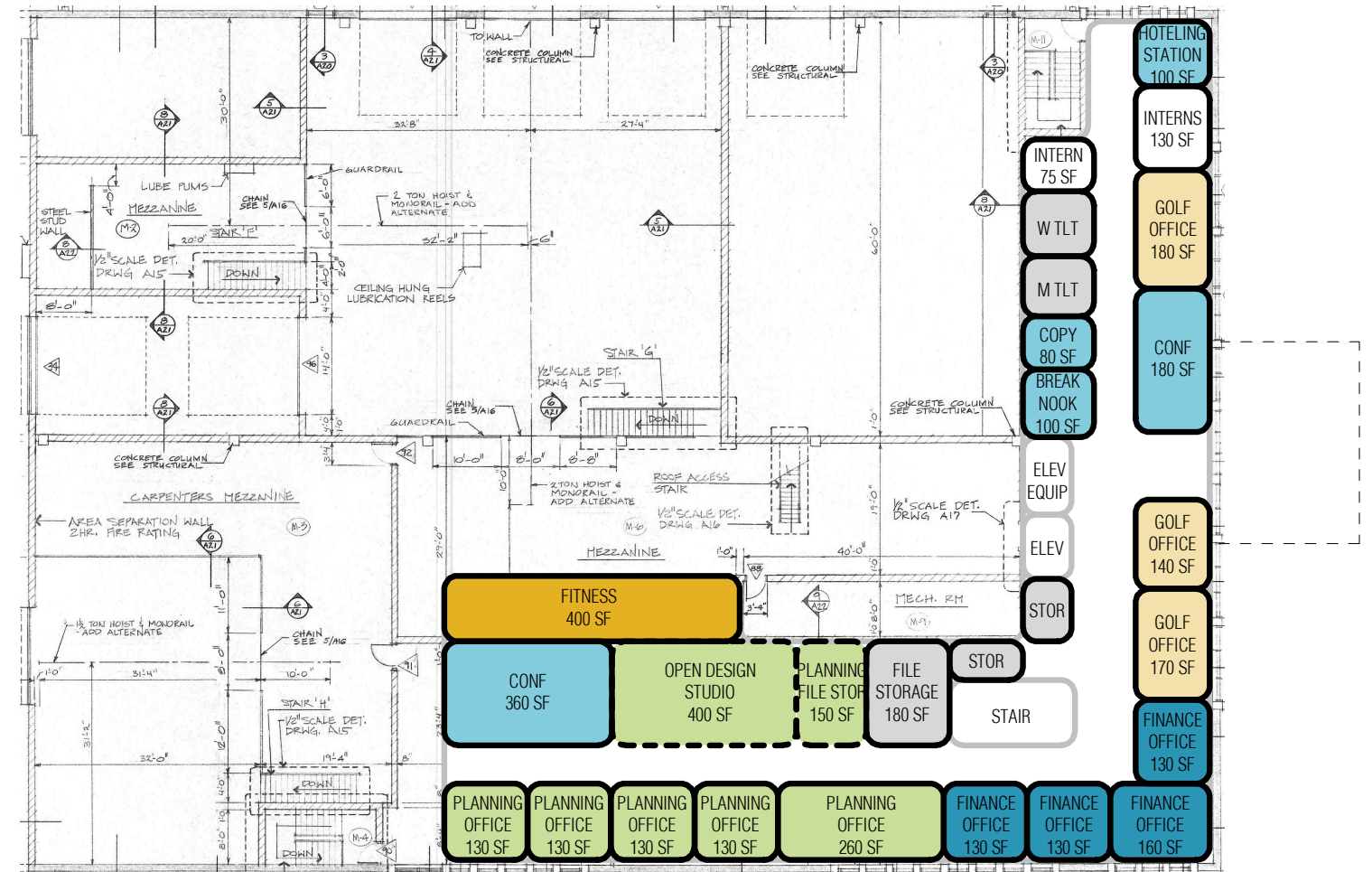
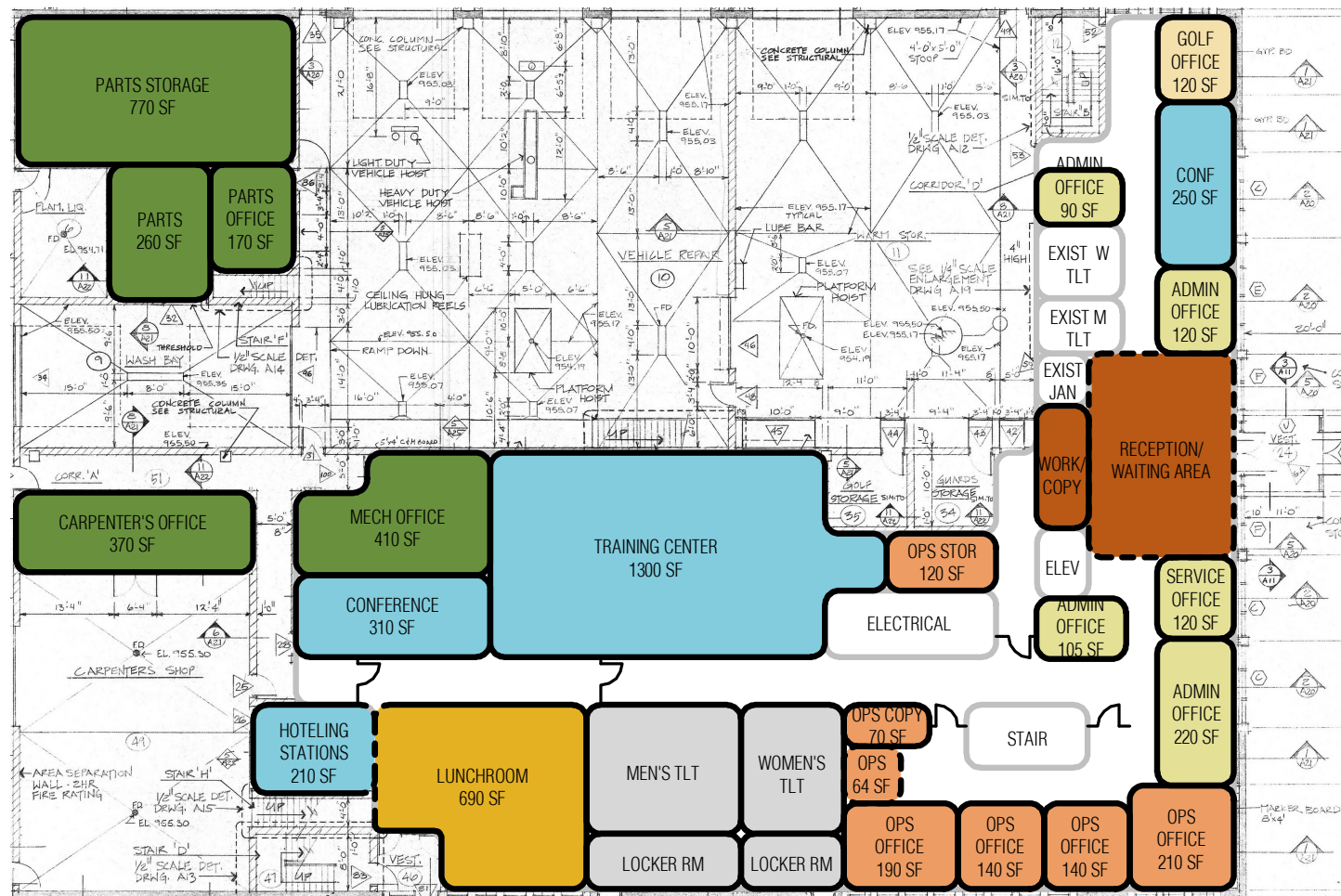
- Construction work on new Lunchroom/Hoteling Stations and renovations of existing Men's and Woman's toilet/locker rooms
- Construction work on Planning department
- Lunchroom will be temporarily displaced in new Training Center (Training Center will still be operational)

PHASE 5

- Move Planning department into permanent constructed offices
- Construction work on Operations Offices and Finance/Golf Offices (displace existing offices in new Training Room)

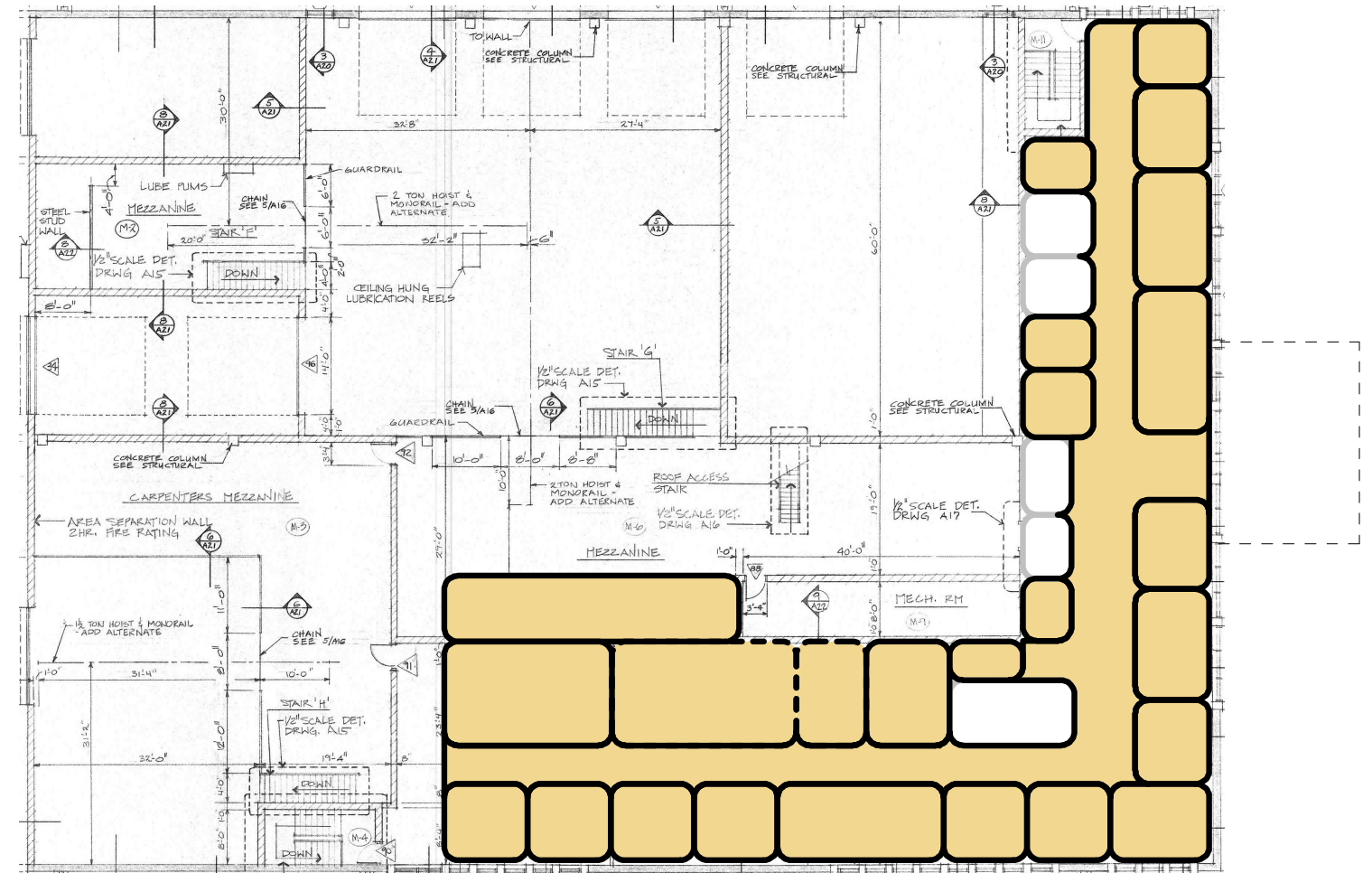
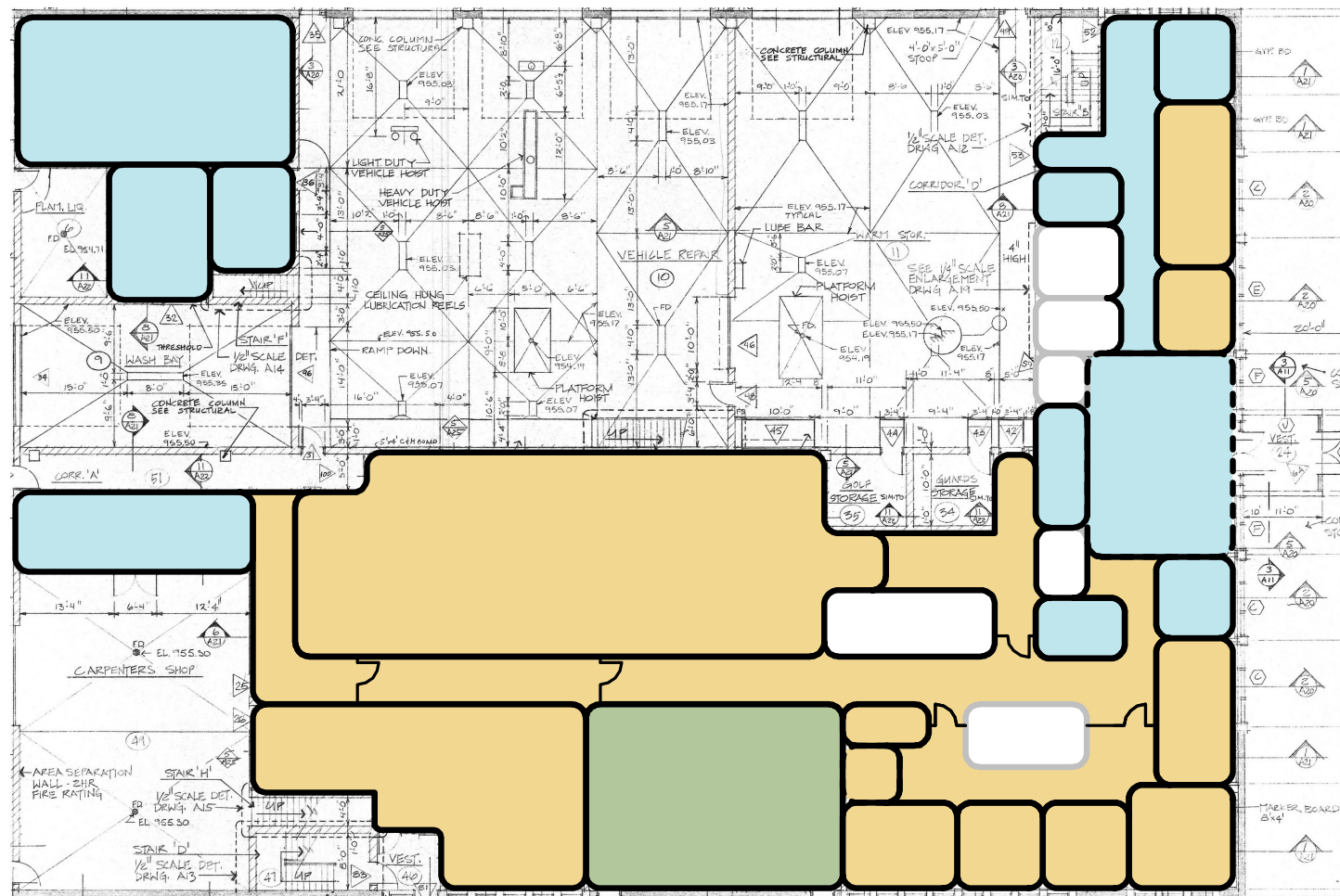
PHASE 6

- Move Operations, Finance, and Golf departments into permanent constructed offices
- Renovation work on existing Administration Offices and Reception area
- Construction work on remaining Golf Offices, Intern workstations, other shared spaces (displace existing offices in new Training Room)



1 MAIN AND UPPER LEVEL - CONSTRUCTION COMPLETED  
NOT TO SCALE

- Light renovation of finishes and carpet (no impact on plumbing, electrical, or mechanical)
- Renovation of rooms; addition of new walls/ move existing walls (some impact on plumbing, electrical, or mechanical)
- Remodel of entire space (requires new plumbing, electrical, and mechanical)



**1 MAIN AND UPPER LEVEL - SCOPE OF WORK**  
NOT TO SCALE



### Proposed Project Budget

Probable Cost of Construction	
• 15,300sf remodeled	\$1,200,000 - 1,320,000
• Canopy Upgrade to Plaza	\$ 150,000
Fees, Printing, Testing, Misc. other Costs	\$ 140,000
Furniture, Fixtures and Equipment (assumes new furniture)	\$ 200,000
Project Contingency (10%)	\$ 160,000
<b>Estimated Total Project Cost</b>	<b>\$1,850,000 - 1,970,000</b>



## Remodeling Intensity





**Appendix A: Meeting Minutes- Core Group and Division Interviews**



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To: Jon Oyanagi

From: Joel Dunning **JD**

Date: December 2, 2015

Comm. No: 152273

Subject: Ramsey County  
Ramsey County Parks Headquarter Space Study  
October 1, 2015 Kick-Off Meeting Minutes

**Attendees:**

Jon Oyanagi, Ramsey County Parks and Recreation  
Sarah Ackman, Ramsey County Parks and Recreation  
Trudy Winek, Ramsey County Parks and Recreation  
Scott Yonke, Ramsey County Parks and Recreation  
Mark McCabe, Ramsey County Parks and Recreation  
Joel Dunning, Wold Architects and Engineers

jon.oyanagi@co.ramsey.mn.us  
sarah.ackman@co.ramsey.mn.us  
trudy.winek@co.ramsey.mn.us  
scott.yonke@co.ramsey.mn.us  
mark.mccabe@co.ramsey.mn.us  
jdunning@woldae.com

**Discussion Topics:**

- A. A meeting was held to review Wold's process.
- B. Use County Mission Statement.
- C. Guiding Principles:
  - 1. Sustainability (B3) is important.
  - 2. Function and accommodating growth.
  - 3. Work flow is important.
  - 4. Want to develop collaboration spaces (more functional than the big one).
    - a. Once per week, an outside group uses the large conference room.
  - 5. Idea of zoning is based on work flow, not security.
  - 6. Usability of large conference room is a pretty high priority.
  - 7. Unifying the break room is not a priority, but is a secondary strategy that might support other moves.
  - 8. Creating a common work area/break area would help unify the department.
  - 9. Coffee and popcorn club in one break room, vending in another.
  - 10. An outdoor space would be nice.

cc: Attendees

Derek Kleckhoffer, Wold  
Andy Dahlquist, Wold

MH/COU\_Ramsey/152273/mins/10.1.15

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memorandum

To: Attendees

From: Derek Kieckhafer *DK*

Date: December 2, 2015

Comm. No: 152273

Subject: Ramsey County Parks and Recreation  
Office Space Analysis - Administration  
October 29, 2015 Meeting Minutes

Attendees:

Jon Oyanagi, Director of Parks and Recreation	jon.oyanagi@co.ramsey.mn.us
Shar Whebbe, Personnel Transactions Assistant/HR	shar.whebbe@co.ramsey.mn.us
Sharon Chute, Parks and Arena Reservations	sharon.chute@co.ramsey.mn.us
Sandy Labore, Arena Reservations	sandy.labore@co.ramsey.mn.us
Joel Dunning, Wold Architects and Engineers	jdunning@woldae.com
Derek Kieckhafer, Wold Architects and Engineers	dkieckhafer@woldae.com

*The group met to discuss program needs for the remodel of the Ramsey County Parks and Recreation office.*

Discussion Topics:

- A. Wold introduced the programming meeting process.
  1. The intent of the first meeting was to obtain a general understanding of spatial needs for all groups to function more efficiently.
- B. The group discussed programming needs with the Administration department.
  1. Directors need to be located near their work group, not in a collocated cabinet.
  2. The group meets with the public in scheduled meetings, no in-person drop-ins.
  3. Payroll and HR requires private office space.
  4. Reservations interact with the public both on the phone and in-person meetings (no reservations made online).
  5. The front desk has two receptionists during summer months; one receptionist the other half of the year when parks are closed.
  6. Visitors coming to the office for meetings frequently get lost trying to locate meeting rooms.
- C. The group discussed payroll.
  1. Current office has a sliding window.
    - a. Would like to incorporate sliding window in new office.
    - b. Payroll office would like to be near HR.
- D. The group discussed work space for future interns.
  1. Would like a flexible workstation near administration (no individual office).
  2. Flex workspace could also be used for visiting workers.
  3. Intern will be at office for approximately two years.
- E. The group discussed overall office desires.
  1. The fitness room could be reduced in size; currently it is underutilized.
    - a. Nicer amenities might attract more usage, but not a high priority.
  2. Would like to separate the lunch room from the visitor kiosk.
  3. More general conference space would be beneficial for in-person meetings with the public.
- F. Next Meetings:
  1. There will be multiple meetings, time and dates to be determined. Wold will develop programming options and review again with all departments.

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cc: Andy Dahlquist, Wold  
MFCOU\_Ramsey/152273/min/10.29.15 Admin  
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memorandum

To: Attendees

From: Derek Kieckhafer DK

Date: December 2, 2015

Comm. No: 152273

Subject: Ramsey County Parks & Recreation  
Office Space Analysis – Operations  
October 29, 2015 Meeting Minutes

**Attendees:**

Mark McCabe, Director of Park Services and Operations	mark.mccabe@co.ramsey.mn.us
Rob Adams, Maintenance and Operations Supervisor	rob.adams@co.ramsey.mn.us
Jennifer Fink, Recreation Services Supervisor	jennifer.fink@co.ramsey.mn.us
Joel Dunning, Wold Architects and Engineers	jdunning@woldae.com
Derek Kieckhafer, Wold Architects and Engineers	dkieckhafer@woldae.com

*The group met to discuss program needs for the remodel of the Ramsey County Parks & Recreation office.*

**Discussion Topics:**

- A. Wold introduced the programming meeting process.
  1. The intent of the first meeting was to obtain a general understanding of spatial needs for all groups to function more efficiently.
- B. The group discussed the Operations department.
  1. Involved with the Parks division.
    - a. Oversees maintenance of parks.
    - b. Program active living; set up programs for biking, hiking, etc.
    - c. Aquatics.
- C. The group discussed the programming needs with the Operations department.
  1. The group would like to be located near each other to easily communicate.
  2. Coordination of special use permits (Jennifer Fink) meets with payroll (Sandy Labore) and HR (Shar Whebbe) frequently.
    3. The group will be adding a new employee. Will need more office space for both a new hire and intern.
    4. The group is lacking conference rooms for private in-person meetings.
      - a. Would be beneficial to have another conference space.
      - b. Need conference rooms that are separated acoustically from other work spaces for privacy.
    5. The group expressed that another conference space is needed, but can be shared with other departments within the office.
      6. The Operations department should not be scattered.
      - a. Would like to be clustered toward the front of the building to monitor public entering and exiting.
    7. Maintenance supervisor (Rob Adams) requested being located on the first floor so trucks can be easily monitored.
    8. There is no need to be separated from other departments by a wall partition; like the idea of an open working environment.
    9. The group suggested being close to a printer/scanner.
  - D. Next Meetings.
    1. There will be multiple meetings, time and dates to be determined. Wold will develop programming options and review again with all departments.

cc: Andy Dahlquist, Wold

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To: Attendees

From: Derek Kieckhafer DK

Date: December 2, 2015

Comm. No: 152273

Subject: Ramsey County Parks & Recreation  
Office Space Analysis – Planning & Development  
October 29, 2015 Meeting Minutes

**Attendees:**  
Mike Goodnature, Natural Resources Manager      mike.goodnature@co.ramsey.mn.us  
Scott Yonke, Director of Planning and Development      scott.yonke@co.ramsey.mn.us  
Ryan Ries, Project Manager      ryan.ries@co.ramsey.mn.us  
Brett Blumer, Landscape Architect      brett.blumer@co.ramsey.mn.us  
Joel Dunning, Wold Architects and Engineers      jdunning@woldae.com  
Derek Kieckhafer, Wold Architects and Engineers      dkieckhafer@woldae.com

*The group met to discuss program needs for the remodel of the Ramsey County Parks & Recreation office.*

**Discussion Topics:**

- A. Wold introduced the programming meeting process.
  - 1. The intent of the first meeting was to obtain a general understanding of spatial needs for all groups to function more efficiently.
- B. The group discussed the Planning & Development department.
  - 1. Director (Scott Yonke) coordinates planning, maintenance, and other front office duties.
  - 2. Interacts with the public both in and out of the office.
  - 2. Project manager (Ryan Ries) coordinates maintenance and service requests.
    - a. Interacts with golf/arenas and maintenance.
- C. The group discussed programming needs with the Planning & Development department.
  - 1. Office is not set up well for public meetings.
  - 2. The group would like a space for a "design studio".
    - a. Discuss concept drawings, pin-ups, etc.
    - b. Lay down plan sets to discuss.
    - c. Would prefer to have a plotter in the space for easy printing.
  - 3. The group would like a more welcoming front reception area.
    - a. No space for visitors to wait.
  - 4. One unified break room. Can allocate the space of the second break room for additional office or conference space.
  - 5. Conference space is lacking.
    - a. The group sometimes uses the break room to hold meetings.
    - b. Would like improved technology and equipment.
  - 6. The group is open to the idea of an open office work environment.
- D. Next Meetings:
  - 1. There will be multiple meetings, time and dates to be determined. Wold will develop programming options and review again with all departments.

cc: Andy Dahquist, Wold

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memorandum

To: Attendees

From: Derek Kieckhafer ~~DK~~

Date: December 2, 2015

Comm. No: 152273

Subject: Ramsey County Parks & Recreation  
Office Space Analysis – Golf/Arenas and Accounting  
October 29, 2015 Meeting Minutes

**Attendees:**

Sara Ackmann, Director of Arena and Golf Operations	sara.ackmann@co.ramsey.mn.us
Barb Breyer, Accounting	barb.breyer@co.ramsey.mn.us
Trudi Winek, Accounting	trudi.winek@co.ramsey.mn.us
Matt Just, Recreation Services Supervisor	matthew.just@co.ramsey.mn.us
Joel Dunning, Wold Architects and Engineers	jdunning@woldae.com
Derek Kieckhafer, Wold Architects and Engineers	dkieckhafer@woldae.com

*The group met to discuss program needs for the remodel of the Ramsey County Parks & Recreation office.*

**Discussion Topics:**

- A. Wold introduced the programming meeting process.
  1. The intent of the first meeting was to obtain a general understanding of spatial needs for all groups to function more efficiently.
- B. The group discussed the Golf/Arenas and Accounting departments.
  1. Most staff is out working in the field.
  2. Field staff includes two golf and two arenas superintendants that report back to the director (Sara Ackmann).
  3. Customer interaction is mainly by phone.
  4. Service Supervisors.
    - a. Personnel and scheduling (Jim Weiter).
    - b. Customer services (Matt Just).
  5. Supervisors will be in office for paperwork in the morning and will be out in the field the remaining part of the day.
    - a. Need a confidential office for private conversations with public customers.
- C. The group discussed overall office desires.
  1. Priority is additional conference space for meetings, both internally and with the public.
  2. Privacy between work environment and the public.
  3. Workspace for a future intern.
  4. Mobile workstations with access to laptop plug-in.
- D. Next Meetings:
  1. There will be multiple meetings, time and dates to be determined. Wold will develop programming options and review again with all departments.

cc: Andy Dahlquist, Wold

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memorandum

To: Attendees

From: Derek Kieckhafer *DK*

Date: December 2, 2015

Comm. No: 152273

Subject: Ramsey County Parks & Recreation  
Office Space Analysis -- Maintenance  
October 29, 2015 Meeting Minutes

**Attendees:**

Scott Weik, Golf Course Maintenance	scott.weik@co.ramsey.mn.us
Charlie Miller, Golf Course Superintendent	charlie.miller@co.ramsey.mn.us
Bill Ross, Maintenance & Service	william.ross@co.ramsey.mn.us
Richard Haus, Maintenance & Service	richard.haus@co.ramsey.mn.us
Nick Finberg, Maintenance & Service	nicholas.finberg@co.ramsey.mn.us
Brie Quanrud, Maintenance & Service	brie.quanrud@co.ramsey.mn.us
Dave Kavaloski, Maintenance & Service	david.kavaloski@co.ramsey.mn.us
Joel Dunning, Wold Architects and Engineers	jdunning@woldae.com
Derek Kieckhafer, Wold Architects and Engineers	dkieckhafer@woldae.com

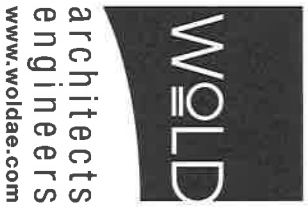
*The group met to discuss program needs for the remodel of the Ramsey County Parks & Recreation office.*

**Discussion Topics:**

- A. Wold introduced the programming meeting process.
  1. The intent of the first meeting was to obtain a general understanding of spatial needs for all groups to function more efficiently.
- B. The group discussed the maintenance department.
  1. General repairs on equipment.
  2. Build and create various items in the shops.
  3. Wash vehicles and other equipment.
- C. The group discussed programming needs with the maintenance department.
  1. The group expressed the need for more space to hang general equipment (lawn mower reels, hoses, etc).
  2. The mezzanine is used as storage for golf carts (21) in the winter.
  3. The fertilizer room needs to be updated with ventilation.
  4. City vehicles are parked in the golf workshop (warm storage) during the winter.
    - a. Warm storage would be better utilized if vehicles could be parked elsewhere.
  5. The parts storage mezzanine is currently underutilized.
  6. The group currently uses off-site barn for extra storage. They are granted permission by the county fairgrounds to use.
    7. The group stores equipment up high rather than scattered on the floor.
    8. Unloading of deliveries go through the garage door in between the golf shop and parts storage.
      - a. Trucks unloading into parts storage are problematic. Need to carry the deliveries rather than have the truck back into space.
  - D. The group discussed overall desires.
    1. Would be beneficial for racking to be reconfigured.
    2. The office for picking up deliveries (Brie Quanrud) should be closer to the exterior garage doors (currently in parts storage).
      - a. Possibility of relocating office into the existing parts room.

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Ramsey County Parks & Recreation  
Office Space Analysis – Maintenance  
October 29, 2015 Meeting Minutes  
Page Two

E. Next Meetings:

1. There will be multiple meetings, time and dates to be determined. Wold will develop programming options and review again with all departments.

cc: Andy Dahlquist, Wold

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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENT:** Parks & Recreation

**PROJECT TITLE:** Administrative Building Asset Preservation

**COMMENTS:**

“It is time to fund an upgrade for parks administration. It was not clear that remodeling was the best alternative, however. Other sites or even a new building may be more appropriate.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Parks and Recreation/660000

**Project Title or**

**Item:** Aldrich Arena Bituminous & Fire Protection

**PROJECT DESCRIPTION: (Attach supporting documents.)**

Remove pavement, repave parking lots, and trench new watermain to the Aldrich Arena building mechanical room for required fire supression system installation. Install new fire supression sytem required by the city inside the arena building . Remove the existing 390,000 SF parking lot pavement to a depth of 3 inches and repave areas with a new efficient parking lot layout that meets the city code for required parking per building capacity. Remaining previously paved areas will be removed for potential stormwater mitigation to be installed by the watershed district. Previously paved areas to be established with native vegetation and low maintenace fescues. Trees will be planted to provide some screening, beautification and shade for the parking lot and site. Relocate some parking lot lights to align with parking lot layout.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 1,454,200	\$ 1,454,200	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other: Ramsey Washington Metro Watershed Distri	\$ 500,000	500,000	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 1,954,200</b>	<b>\$ 1,954,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager recommends financing this project using bond proceeds of \$1,454,200 and Ramsey Washing Metro Watershed District funds of \$500,000 in 2018.

MAJOR CIP PROJECTS - QUESTIONS

A. PROJECT DESCRIPTION

1. Is the project a replacement? Major renovation? New development/asset?

This project is a major renovation of an existing County arena facility. See below for project background information.

2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?

The arena site is located in Maplewood, south of the intersection of White Bear Ave and Frost. The county owns all of the property associated with the project.

3. Are there alternative sites?

N/A

4. What is the estimated size?

a. Building square footage

N/A

b. Acres of land needed

N/A

c. Is parking space required? How much?

Current parking lot bituminous is 390,000 SF. The actual amount usable for parking is 320,000 SF which yields 875+/- parking stalls. The unusable bituminous areas would be used for stormwater volume and water quality treatment and beatification

5. How is the space to be utilized?

The parking lot is used for all functions, activities and events hosted by Aldrich Arena. In addition, the parking lot is used for a weekly farmers market, fright farm, and Ramsey County Fair. Aldrich Arena seats approximately 3,300 for hockey and nearly 4,000 for concerts. As a sports and entertainment facility, it is unique in the East Metro. Between Hill-Murray High School and sectional playoff hockey games, conventions, open skating (including a senior citizen "longblades" program), and Latino and Hmong concerts, Aldrich attracts a variety of events from a diverse user base.

a. Office space square footage

N/A

b. Program space square footage

N/A

**6. How many employees will occupy the space?**

**a. Current Staff**

None

**b. New positions/staff needed**

None

**7. Who provided the cost estimate? When?**

The cost estimate and development concept was provided by Planning and Development staff in January 2017, with input from contractors, St. Paul Regional Water Service, and the Ramsey-Washington Metro Watershed District.

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

The cost estimate and development concept was prepared by Scott Yonke, Director of Planning and Development and Brett Blumer, staff landscape architect. Both Scott and Brett are Professional Landscape Architects and have over 15 years each of experience in designing public/private recreation facilities. LVC, the sprinkler contractor, is under State of Minnesota master contract for fire protection contractors.

**8. For how long is the cost estimate valid?**

The cost estimate has been prepared anticipating construction in 2018. The estimate may need to be updated for years beyond 2018 for current construction pricing. Any estimate updates will be provided by Planning and Development staff.

**9. When does the project need to begin?**

The project is anticipated to begin in 2018

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Project oversight\management will be provided by Scott Yonke, Director of Planning and Development and direct project management tasks for site design and construction management will be provided by Brett Blumer, staff Landscape Architect. Both Scott and Brett are Professional Landscape Architects and have over 15 years each of experience in designing public/private recreation facilities. Ryan Ries, Capital Asset Manager, s will oversee the fire surpession system portion of the project

**b. Outside consultant - Describe experience**

Outside consultants will be required for surveying, civil engineering, mechanical, and construction testing services. These consultants may be chosen at the beginning of the project or in some instances be part of a design build project team and would be required to have design and construction experience as it relates to the project

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 145,420	145,420	-	-	-	-	-
Construction	\$ 1,308,780	1,308,780	-	-	-	-	-
Furniture, Fixtures & Equipment	\$ -	-	-	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other: Owner Site Amenity Items	\$ -	-	-	-	-	-	-
	<b>\$ 1,454,200</b>	<b>\$ 1,454,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## B. NARRATIVE JUSTIFICATION

### 1. Why is this project needed? Reasons

In 2014, Parks and Recreation's primary tenant at Aldrich Arena, Hill-Murray High School, funded and constructed a locker room addition to the facility. As a condition of that project, the City of Maplewood required Parks & Recreation, as the facility owner, to make code upgrades to the rest of the facility, including the installation of an elevator (for accessibility purposes) and the installation of a fire suppression system. The elevator was constructed in 2014 (partially utilizing CIP contingency funded). The City agreed to give Parks & Recreation a 5-year window to fund and construct the fire suppression system. Parks & Recreation requested and received \$100,000 in CIP funding for the 2016-17 cycle for this system. In spring 2016, Parks & Recreation solicited feasibility analyses and cost estimates from two contractors. After engaging St. Paul Regional Water Services to run tests on available water flows, it was determined that the existing water service was insufficient to provide adequate flow for a fire suppression system, and that in order to provide adequate flows, a new water service would be required. Since this would involve substantial excavation to the site, Parks & Recreation decided the most efficient approach for completing this project would be to combine it with a parking lot re-paving, which was due to be replaced per life-cycle schedules in 2018. The arena and parking lot were originally constructed in 1960's and has not had any major renovation done to the parking lots. Over the years, the parking lot has been encroached upon by other county facilities, creating a situation where there are areas of unusable pavement which do not correspond to parking aisles or stalls. As such, the parking light pole locations do not correspond to the parking layout. The current pavement is failing and in need of reclaiming (grinding it up) of approximately 3 inches over the entire area. Areas of pavement will need to be removed and repaved with the water main project as well. The parking lots currently have no modern stormwater treatment or volume control features, despite being in a high priority water quality improvement sub watershed of Wakefield Lake, which is currently an impaired water body. Sections of the lot not usable for parking will be removed and retrofitted with native plantings to aid in water quality improvement. The Ramsey Washington Metro Watershed District has shown great interest in completing this stormwater quality improvement project in this area for the benefit of Wakefield Lake (see supporting letter for the project).

### 2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?

Parking lot pavement is failing. Areas of pavement that are not used for parking or driving on, no stormwater volume or water quality infrastructure, existing light poles that are not located in correct areas for parking layout, Arena has no fire suppression system.

### 3. What are the positive aspects of the current building and/or site?

Aldrich Arena is a premier multi-purpose arena located in Maplewood. During fall and winter, Aldrich hosts more than 40 high school hockey league and playoff games. Aldrich also has a youth hockey organization that is committed under contract to utilize the arena when HS Hockey is not occurring. In the late spring and summer, Aldrich hosts graduations, conventions, farmers' markets, concerts and other non-ice events. Over the last 4 years Aldrich Arena has seen a renaissance with the above mentioned non-ice events, and has become an important cultural center for the Hmong and Latino communities. The Arena boasts a 100% revenue increase in 2016/17. Some Amenities include:

- Meeting rooms
- Concessions
- Bleacher seating for more than 3,400.
- Concert seating available for up to 4,130 people.
- Free parking for up to 900 cars in a 10-acre, lighted lot.
- 17,000 square feet of exhibit space.
- Portable stages available

**4. Who performed the functional analysis? Qualifications?**

The functional analysis has been completed by Planning and Development staff.

**5. What other alternatives have been explored? Describe**

NA

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

In 2014 the City of Maplewood granted the Department a 5-year grace period to install the fire suppression system.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

No.

**3. How are current operating costs being affected?**

Due to the existing condition of building and site element, maintenance costs have increased substantially to provide safe and clean facilities.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

Should the 5-year grace period on fire suppression expire, the City could decide not to renew the facility's occupancy permit until the situation is rectified. By not addressing the parking lot the Department would be required to spend maintenance dollars to repair/patch the lot for safe use.



**D. IMPACT ON FUTURE OPERATING COSTS**

**1. Estimated cost of new staff positions needed. When? Is/will funding be available?**

The project will not require additional staff positions.

**2. Are there any future cost savings?**

NA

**3. Estimated annual maintenance costs:**

**a. Maintenance/Custodial**

Annual sprinkler inspections - \$500

**b. Heating/Cooling/Lighting**

no change

**4. Are there any federal/state laws mandating increased operating costs?**

NA

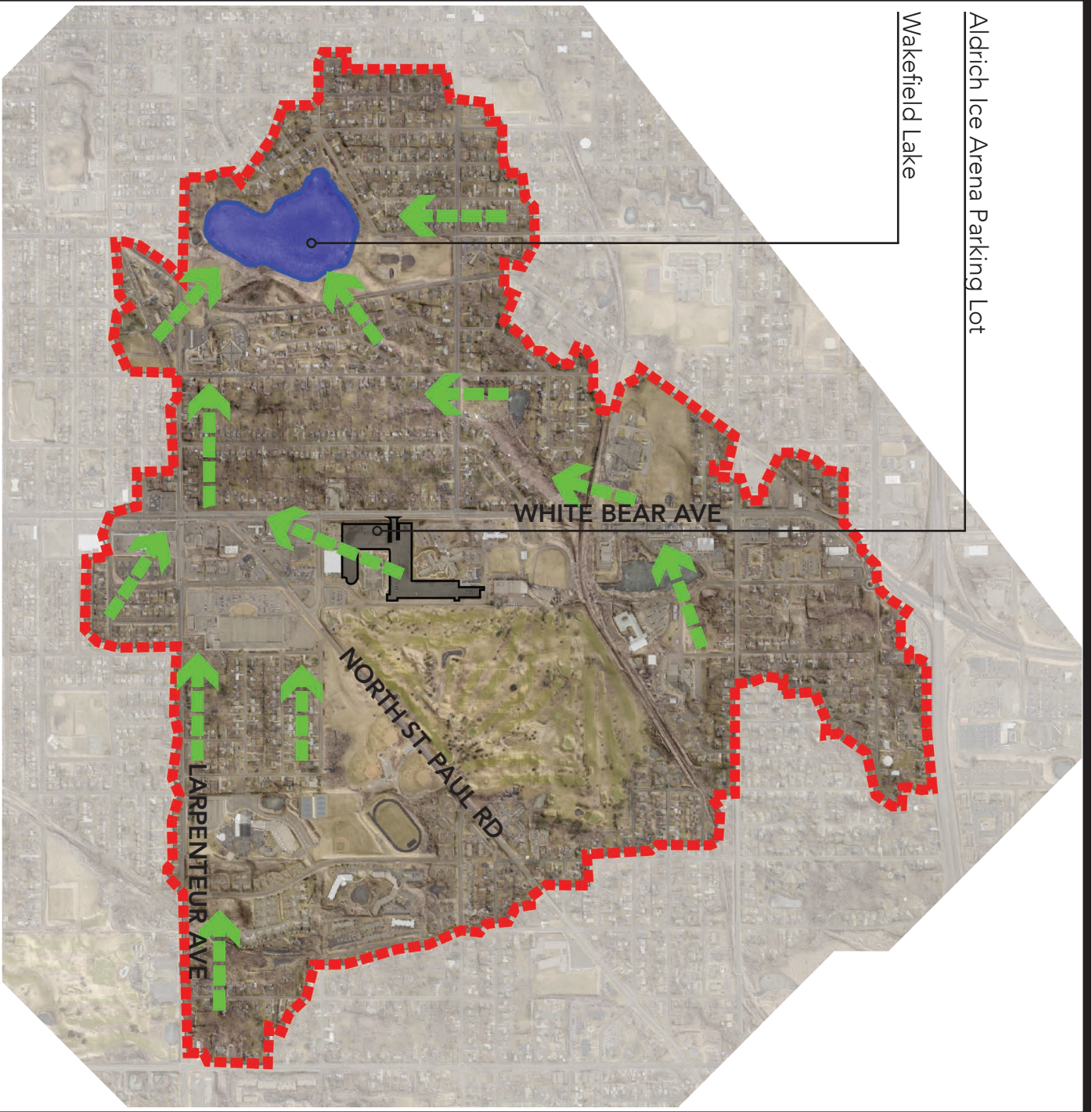
**E. IMPACT ON FUTURE REVENUES**

**1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:**

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		\$ -				\$ -	
c. Operating Costs		\$ -				\$ -	
d. Staff Costs		\$ -				\$ -	
e. Replacement		\$ -				\$ -	
f. Debt Costs (bonds)		\$ -				\$ -	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**

Aldrich Ice Arena Parking Lot  
Wakefield Lake



**Legend**

Surface Water Flow



Wakefield Lake Sub - Watershed Boundary

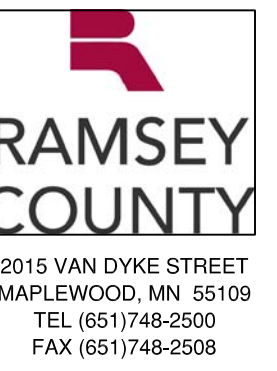
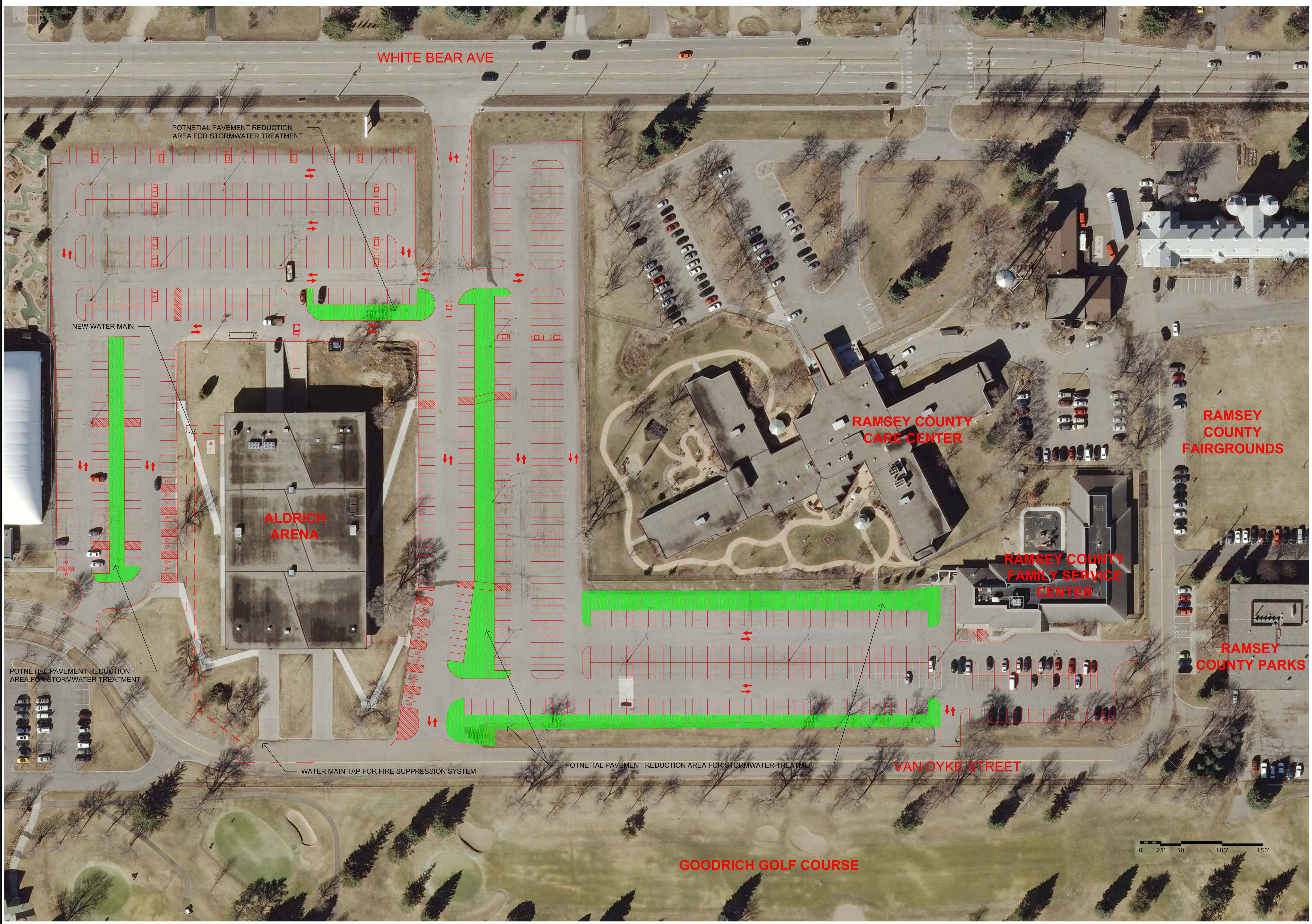


**Aldrich SD Design Estimate**  
**Date 1/25/2017**

Base Site Plan Estimate						Notes
Item	Unit	Total Quantity	Unit Price	Total Cost		
Mobilization (5%)	LS	1	\$ 50,000	\$ 50,000		
Traffic Control	EA	1	\$ 1,500.00	\$ 1,500		
Tree Removal - ash trees	LS	1	\$ 8,000.00	\$ 8,000		per chuck quote
Remove existing pavement	SF	390,000	\$ 0.40	\$ 156,000		Reclaim and remove/trucking
Earthwork (rough, finish grade for parking lot and turf areas)	SF	80,000	\$ 0.30	\$ 24,000		
new conc light pole base and conduit	EA	7	\$ 5,000.00	\$ 35,000		
Storm water basins - earthwork, soils, planting	LS					RWMWWD 100%
Storm sediment structures	LS					RWMWWD 100%
Storm Piping and structures	LF					RWMWWD 100%
Arena Fire suppression system	LS	1	\$ 122,500.00	\$ 122,500		Design build
Arena Water Line Tap wearthwork	LS	1	\$ 10,000.00	\$ 10,000		SPRW and Design Build
Arena Water Line To Mech Rm	LF	150	\$ 460.00	\$ 69,000		Design build
Temporary Rock Entrance	EA	1	\$ 800.00	\$ 800		
Construction temp fencing	LF	3,500	\$ 2.00	\$ 7,000		
Erosion control - silt fence or bio roll	LF	2,500	\$ 2.50	\$ 6,250		
Bituminous Pavement 3"	tons	5,870	\$ 120.00	\$ 704,400		
Curb/Gutter (D412) w/ curb	LF	4,200	\$ 20.00	\$ 84,000		
Parking Lot Striping - paint	LS	1	\$ 10,000.00	\$ 10,000		
HC Parking signs w/post	EA	15	\$ 150.00	\$ 2,250		
Concrete sidewalk 4"	SF	2,500	\$ 6.00	\$ 15,000		
Concrete Stair w/railings	SF	350	\$ 60.00	\$ 21,000		
Tree Planting 2" #20 container	EA	45	\$ 200.00	\$ 9,000		
Restoration-(hydro Seeding method)	SF	80,000	\$ 0.25	\$ 20,000		
<b>Subtotal</b>				<b>\$ 1,355,700</b>		
Site investigation - Soils stormwater						
Record drawing survey				\$ 6,000		
Survey - Topographic				\$ 10,000		
Permits				\$ 1,500		
Construction testing - conc., compaction, soils verification, etc				\$ 6,000		
<b>Sub-Total Project</b>				<b>\$ 1,379,200</b>		
Construction Contingency				\$ 75,000		
<b>Total Project Complete</b>				<b>\$ 1,454,200</b>		

**Aldrich Bituminous & Fire Protection**  
**Attachment B - Estimate**

**Aldrich Bituminous & Fire Protection  
Attachment C - Parking Layout**



**CONTACT INFORMATION:**  
B. Gus Blumer, Landscape Architect  
2015 Van Dyke Street  
Maplewood, MN 55109  
brett.blumer@co.ramsey.mn.us  
651.748.2500

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.

Registration: Landscape Architect  
State: Minnesota  
Number: 42944  
Signature: B. Gus Blumer

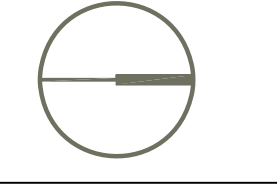
NO.	DATE	DESCRIPTION
1	XYZZ	X DOCUMENTS

**DESIGN PHASE:**

**BID DOCUMENTS**

**ALDRICH ARENA AREA BITUMINOUS MAINTENANCE & WATER MAIN PROJECT**  
RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT  
ALDRICH ARENA AREA

DATE: JANUARY 2017  
DESIGNED BY: BGB  
DRAWN BY: BGB  
CHECKED BY: SAY



TITLE

SHEET

**RW 1.0**

SHEET 1 OF 1





*A national, full-service fire protection and systems integration company.*

Date of Proposal: 1/24/2017

Proposal to: Ramsey County Parks and Recreation  
Address: 2015 North Van Dyke Street  
Maplewood, MN 55109

Attn: Ryan Ries  
Direct: 651-363-3780  
Email: [ryan.ries@co.ramsey.mn.us](mailto:ryan.ries@co.ramsey.mn.us)

Project Name: Aldrich Ice Arena  
Address: 1850 White Bear Avenue North  
Minneapolis, MN 55109

I appreciate the opportunity to present this proposal in order to furnish and install a new dry pipe fire sprinkler system in the Aldrich Ice Arena. The system design will be based on and installed per current applicable NFPA requirements, and to the local AHJ requirements.

**FIRE PROTECTION SCOPE OF WORK:**

Provide the necessary engineering, labor, materials, fabrication and freight, tools and lift equipment to:

- Install a new dry pipe fire sprinkler system.
- Main and line pipe sizes 1-1/2" – 6" shall be black, schedule 10 roll-grooved
- Arm-over pipe sizes 1" – 1-1/4" shall be black, schedule 40 threaded
- Sprinkler heads shall be brass uprights and pendants
- Includes cores through block walls
- Install complete fire department connection and outside horn/strobe (excludes wiring)
- Complete the tie-in to the new Hill-Murray locker room sprinkler system
- This project shall be completed on a design-build basis.
- Light Hazard design criteria shall be a .10 gpm over the most remote area of 1950 sq. ft.
- All material shall be in accordance with NFPA 13.
- Includes lift rental
- Includes permit, inspections and final testing with the City of Maplewood
- Includes engineered fire sprinkler plan to the owner and City of Maplewood for approval
- Work to be completed during normal business hours (M – F, 7:00 a.m. – 3:30 p.m.)



*A national, full-service fire protection and systems integration company.*

**CLARIFICATIONS:**

- This proposal is based on working off a finished unobstructed concrete floor.
- All work shall be performed during normal working hours
- Terms: Monthly Progress payments 30 days Net.
- 3-week delivery time required for submittal drawings on after approval and issuance of Purchase Order.
- Any scope changes outside this document or in the event additional materials and/or labor is required due to unforeseen circumstances beyond our control, LVC reserves the right to generate a change order request to cover additional scope of work. Additional scope, work and costs will be discussed as soon as identified in order to keep all parties informed and the project kept on schedule. No additional scope of work will be performed until LVC receives the approval to proceed.
- Auto cad backgrounds for this project are to be supplied by others for LVC's use
- Pricing is valid for 30 days from the date of this proposal

**EXCLUSIONS:**

- Electrical wiring of any kind
- Fire and jockey pumps
- Fire pump and jockey pump controller
- Cutting of ceiling tile
- Paint of Sprinkler Pipe
- Patching and painting of walls
- Overtime
- 3D drawings and 3D modeling

**ESCALATION NOTE:**

Due to volatile steel market and the monthly increase in piping price an adjustment to our proposal may be required at the time of contracting. In addition, material may require pre-purchasing with payment for said material in order to lock in pricing in the event of significant delay or price increases of material occurring during the performance of the contract through no fault of the contractor, the contract sum, time of performance, or contract requirements shall be equitably adjusted by change order in accordance with procedures of the contract documents. A change in price of an item of material shall be considered significant when the price of the item increases 15% between the date of the contract and the date of installation. Thank you for the opportunity to present this proposal.



**J.N. Johnson  
Fire and  
Safety**

*A national, full-service fire protection and systems integration company.*

**Base Bid: \$122,500.00 (One Hundred Twenty-Two Thousand, Five Hundred Dollars)**



**Chris Graham  
Fire Sprinkler Sales  
cgraham@lvcinc.com  
952-529-1628**

**Authorization to Proceed**

Customer Signature \_\_\_\_\_

Printed Name \_\_\_\_\_

Date \_\_\_\_\_

P.O. and Total Amount \_\_\_\_\_



**RAMSEY-WASHINGTON**  
METRO WATERSHED DISTRICT

January 17, 2017

B. Gus Blumer, PLA  
Ramsey County Parks and Recreation  
2015 N Van Dyke St  
Maplewood, MN 55109-3796

The Ramsey-Washington Metro Watershed District (RWMWWD) expresses its full support for the pavement rehabilitation project and is very interested in partnering to provide stormwater features for the 2017 Aldrich Lot Rehabilitation project in the City of Maplewood.

Aldrich Arena is located within the Wakefield Lake drainage area. Wakefield Lake has been deemed impaired by the Minnesota Pollution Control Agency, and RWMWWD has identified this drainage area as a priority location to implement stormwater improvements. RWMWWD feels the proposed project would result in a large reduction of impervious area which is beneficial to water quality on its own. Converting these new green spaces into stormwater treatment areas would allow for over an inch of stormwater across the remaining parking lot to be filtered before it drains into Wakefield Lake. Constructing stormwater practices would filter out pollutants including phosphorus and sediment which would improve water quality of Wakefield Lake.

453

RWMWWD is committed to partnering on this project and would be able to contribute the design and construction costs associated with the stormwater best management practices that could be constructed as part of this proposed project.

Sincerely,

Tina Carstens  
District Administrator

**Aldrich Bituminous & Fire Protection**  
**Attachment E - Letter of Support**



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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENT:** Parks & Recreation

**PROJECT TITLE:** Aldrich Arena Bituminous & Fire Protection

**COMMENTS:**

“These are important improvements which should be considered and prioritized within a larger strategic plan for Ramsey County ice arenas.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Parks and Recreation Department/660000

**Project Title or**

**Item:** Goodrich Golf Course Irrigation & Bunkers

**PROJECT DESCRIPTION: (Attach supporting documents.)**

Parks and Recreation is requesting funding to improve its water conservation efforts through an updated irrigation system at Goodrich Golf Course. By incorporating the use of new technology and strategic placement of sprinkler heads, the course will be able to reduce its water usage by as much as 25%. Installation of a weather station to accurately monitor rainfall and the ability to test turf moisture throughout the course will not only create efficiencies in the use of the resource it will also aid in the reduction of fertilizer and pesticide costs. In 1995, the installation of a new pump at the course reduced annual pumping from 16-18 million gallons per year to 9-13 million gallons. The Golf Course Superintendents Association of America has conducted extensive research on a courses impact to the environment. They have developed industry best practices and created the Golf Course Environmental Profile. As the stewards of park land it is critical that the Department continue to make improvements in the area of water conservation on its golf courses. Secondly, Parks and Recreation is requesting funding for improvements to bunkers (sand traps) which would radically enhance playability (number one customer complaint), increase course revenue, reduce staff time and labor costs and increase the course's ability to capture more storm water. There are 33 bunkers on Goodrich Golf Course. All of the 33 bunkers are contaminated (contaminated defined as no longer sand but rocks and pebbles and lacks ability to drain). The replacement of an average USGA sized bunker of 1,000 square feet is \$8,000 each for a total at Goodrich of \$264,000. The replacement will include drain tile which will allow the Superintendent to capture more water on the course. The bunkers have outlived their life cycle as laid out by the American Society of Golf Course Architects: Bunker sand 5-7 years and bunker drainage 5-10 years. After a rain event the Superintendent must dedicate 1-2 employees to spend 1.5 days removing water from the bunkers at an average cost per year of \$39,000.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 1,514,000	\$ 1,514,000	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 1,514,000</b>	<b>\$ 1,514,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	No	Yes	IF YES:	Year(s)	Amount
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

County Manager does not recommend financing this project in 2018.

MAJOR CIP PROJECTS - QUESTIONS

A. PROJECT DESCRIPTION

1. Is the project a replacement? Major renovation? New development/asset?

Replacement of irrigation systems and reconstruction of bunkers throughout Goodrich Golf Course. Goodrich irrigation components were last updated in 1995. The life span of irrigation systems ranges from 15-25 years, depending on the quality of the equipment installed. Goodrich's irrigation system is now 22 years old. The life span of a typical golf course bunker is based on two components - drainage and sand. Sand should be replaced on a 5-7 year cycle, while drainage components should last between 5-10 years. Both components of Goodrich's 33 bunkers were replaced in 1990.

2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?

Goodrich Golf Course is owned by Ramsey County and is located at 1820 Van Dyke Street in Maplewood.

3. Are there alternative sites?

NA

4. What is the estimated size?

a. Building square footage

NA

b. Acres of land needed

NA

c. Is parking space required? How much?

NA

5. How is the space to be utilized?

NA

a. Office space square footage

NA

b. Program space square footage

NA

**6. How many employees will occupy the space?**

**a. Current Staff**

NA

**b. New positions/staff needed**

NA

**7. Who provided the cost estimate? When?**

Eric Christensen Design Group in December of 2016 for irrigation. Hartman Companies in January 2017 for bunker reconstruction.

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

Eric Christensen Design Group has over 35 years of turf irrigation experience and has completed over 400 projects including Keller Golf Course. Hartman Companies has over 35 years experience in renovating golf courses and sports fields. They are industry leaders in golf course renovation, sports fields and sports turf drainage. They were also the selected vendor for the Keller Golf Course remodel in 2012.

**8. For how long is the cost estimate valid?**

6 months

**9. When does the project need to begin?**

Fall 2018

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Project Manager and Division Director will handle all purchasing requirements and contracts. Golf Course Superintendents with over 20 years experience will each provide technical data for scope of services and will work with contractor on-site to insure accurate contract fulfillment.

**b. Outside consultant - Describe experience**

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ -	-	-	-	-	-	-
Construction	\$ 1,514,000	1,514,000	-	-	-	-	-
Furniture, Fixtures & Equipment	\$ -	-	-	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other (Describe)	\$ -	-	-	-	-	-	-
	<b>\$ 1,514,000</b>	<b>\$ 1,514,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

Water resource responsibility is a vital issue facing the golf industry. Golf courses have a responsibility as protected green spaces in watershed districts to integrate highly efficient irrigation technology and practices, and to reinvest in infrastructure that reuses and recycles low quality water. More precise watering techniques will reduce the need for chemical fertilizers and pesticides on the course.

Bunker playability is a frequent golfer complaint. Poor bunker conditions drive regular golfers to other courses. Customer surveys from 2014-2016 indicate a loss in potential revenue of up to \$25,000 from golfers not returning to play due to bunker conditions. As with the irrigation system, our ability to be good stewards of the land by properly draining and reusing the water collected in bunkers is essential. Labor can then be allocated to other more pressing projects that improve the quality of play.

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

Irrigation resources are not being used effeciently and as a result the County is wasting a valuable resource. A new system will improve those issues. The bunkers are unplayable and new bunkers will draw golfers back to the course.

**3. What are the positive aspects of the current building and/or site?**

The course has become a valuable destination for golfers of Hmong heritage. The clubhouse has created a welcoming sense of place for golfers and the fairways and greens have seen remarkable improvement over the last five years.

**4. Who performed the functional analysis? Qualifications?**

Current GCSAA Superintendent at Goodrich Golf Course with over 20 years working at Ramsey County courses.

**5. What other alternatives have been explored? Describe**

There is no viable alternative for the irrigation system or the bunkers. Postponing both life-cycle upgrades will continue to push operating costs up and revenues will decrease in proportion to the quality of play.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

The Superintendent has pushed the life of the irrigation system as far as it can go. Replacement parts are increasingly hard to find while many parts are now obsolete. Bunkers could last 1-2 more years with a \$15,000-\$20,000 investment in new sand. This will not alleviate the drainage problem and there is no alternative for that function of the bunker.

**3. How are current operating costs being affected?**

The existing condition results in annual increases to operating budget.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

The course will continue to decline in playablilty resulting in decreased reveune as golfers choose other courses over Goodrich. The county and course may well be viewed negatively by the many diverse golfers of Goodrich. They may feel as if the County does not truly value racial equity since the remodel work at Keller was funded and that course is played primarily by white/Caucasian golfers.

**D. IMPACT ON FUTURE OPERATING COSTS**

1. Estimated cost of new staff positions needed. When? Is/will funding be available?

NA

2. Are there any future cost savings?

25% reduction in water use and an increase in revenue up to 2%.

3. Estimated annual maintenance costs:

a. Maintenance/Custodial

NA

b. Heating/Cooling/Lighting

NA

4. Are there any federal/state laws mandating increased operating costs?

NA

**E. IMPACT ON FUTURE REVENUES**

1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -			\$ -		
b. Maintenance		-			-		
c. Operating Costs		-			-		
d. Staff Costs		-			-		
e. Replacement		-			-		
f. Debt Costs (bonds)		-			-		

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**



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**Goodrich Golf Course**  
**Irrigation and Bunker Project**  
**Date 1/25/2017**

<b>Base Site Plan Estimate</b>				
Item	Unit	Total Quantity	Unit Price	Total Cost
Mobilization (5%)	LS	1.00	1.00	
Base Irrigation Components		1.00		\$ 1,125,000
Modified double row fairways utilizing HDPE products				
New greens and tee irrigation for precise water applications				
Upgraded central E.T. driven control package				
Weather station for site specific water applications				
Two way pump control package				
HDPE pipe infrastructure with 25-year warranty				
Installation				
<b>Subtotal</b>				<b>\$ 1,125,000</b>
Mobilization (5%)	LS	1.00	1.00	
Sand bunker remodel	EA	33.00	8,000.00	\$ 264,000
<b>Subtotal</b>				<b>\$ 264,000</b>
<b>Sub-Total Project</b>				<b>\$ 1,514,000</b>
<b>Total Project Complete</b>				<b>\$ 1,514,000</b>



ERIK CHRISTIANSEN DESIGN GROUP, LTD.

**Main Office**  
400 - 5<sup>th</sup> Street  
West Des Moines, IA 50265  
Phone: (515) 225-6365  
Fax: (515) 225-6366

## Irrigation Memorandum

**To:** Charlie Miller **Date:** December 13, 2016  
**From:** Erik Christiansen  
**RE:** Goodrich Golf Course – Preliminary Estimated Irrigation Budget Costs

Charlie, it was good to talk with you last week at Goodrich; please review the subsequent follow-up points as it relates to irrigation upgrades to your existing system. The following are our irrigation estimates for the turn key installation project less any associated permitting, engineering and electrical costs.

- Base irrigation components (turnkey) \$1,125,000.00\**
- Modified double row fairways utilizing HDPE products
  - New greens and tee irrigation for precise water applications
  - Upgraded central E.T. driven control package
  - Weather station for site specific water applications
  - Utilize existing pump station with "two-way" control package upgrades from flow management to central
  - HDPE pipe infrastructure with 25-year warranty
  - Installed by certified and quality contractor

*\*EC Design Group, Ltd's Professional Fees are included in the above budget number*

This system will have the ability to efficiently and effectively water Goodrich GC which correlates in water application savings of 25% plus over your current system. Furthermore, we will be employing a piping infrastructure that has a warranty for 25 years or more and will eliminate all the piping failures you're currently encountering. Therefore, not only will you reduce water consumption, being a good steward of a precious resource, but you'll reduce maintenance costs to the county as well ... certainly a win-win solution for everyone involved. We know you and the county are aware of our firm providing the irrigation documents for Keller Golf Course although below is a more extensive sample of other projects throughout the Twin Cities with a comprehensive list on our website.

- |                                 |                            |
|---------------------------------|----------------------------|
| - Minnesota Valley Country Club | - Windsong Farms Golf Club |
| - Olympic Hills Golf Club       | - The Royal Club           |
| - Braemar Golf Course           | - Chomonix Golf Course     |
| - Edina Country Club            | - Keller Golf Course       |
| - Interlachen Country Club      | - Minnikahda Club          |

AN IRRIGATION CONSULTING & WATER MANAGEMENT FIRM

www.ecdesigngroup.com

**Goodrich Irrigation & Bunker Project**  
**Attachment B - Consultant Report**

- Minneapolis Golf Club
- Golden Valley Golf & Country Club
- Baker National
- Woodhill Country Club
- Cleary Lake Golf Course
- Midland Hills Country Club
- Inver Wood Golf Course
- North Oaks Golf Club

Thanks again for your time!

-Erik

Erik Christiansen ASIC, TCEQ  
President - EC Design Group, Ltd.  
400 5<sup>th</sup> Street  
West Des Moines, IA 50265  
Phone: 515-225-6365  
Fax: 515-225-6366  
Cell: 515-240-6621  
Email: [erik@ecdesigngroup.com](mailto:erik@ecdesigngroup.com)  
Website: [www.ecdesigngroup.com](http://www.ecdesigngroup.com)



Example of a broken sprinkler head



Example of turf disruption for repairs to irrigation system.



A golf course bunker that is no longer properly draining rain water



An example of a contaminated bunker as a result of drainage failure





Close up of contamination and unplayable surface in a bunker

## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENT:** Parks & Recreation

**PROJECT TITLE:** Goodrich Golf Course Irrigation & Bunkers

**COMMENTS:**

“These would be nice improvements but appear expensive for pollinators and rebuilding a few sand traps.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Parks and Recreation/660000

**Project Title or**

**Item:** Arena Regulatory Compliance

**PROJECT DESCRIPTION: (Attach supporting documents.)**

This project consists of capital life-cycle replacements, infrastructure for new refrigerant systems required due to environmental regulations, and Americans with Disabilities Act ("ADA") required modifications to Shoreview, White Bear Lake, and Aldrich ice arenas. Specific components include: Shoreview Arena - exterior cladding to address masonry wall system at the end of its useful life (cracked masonry walls, failing foundation walls on northwest side, and water intrusion issues); overlay of membrane roofing system over existing, leaky metal roof at the end of useful life; piping and infrastructure for refrigerant system replacement; remodel of lobby and locker room spaces for ADA compliance. White Bear Lake Arena - paving of gravel parking lot; piping and infrastructure for refrigerant system replacement; remodel of lobby and locker room spaces for ADA compliance. Aldrich Arena - replacement of roof at the end of its useful life; piping and infrastructure for refrigerant system replacement; remodel of lobby and locker room spaces for ADA compliance; expansion of building footprint to provide adequate public locker room and gathering spaces.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 3,254,450	\$ 1,516,000	\$ 1,738,450	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ 600,000	200,000	400,000	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 3,854,450</b>	<b>\$ 1,716,000</b>	<b>\$ 2,138,450</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager recommends financing this project using bond proceeds of \$1,516,000 and State funds of \$200,000 in 2018 and bond proceeds of \$1,738,450 and State funds of \$400,000 in 2019.

## MAJOR CIP PROJECTS - QUESTIONS

### A. PROJECT DESCRIPTION

**1. Is the project a replacement? Major renovation? New development/asset?**

This project is a major renovation of 3 existing ice arenas to bring them up to code and regulatory compliance, complete scheduled maintenance projects, and modernize the level of service provided to arena users and the public.

**2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?**

The County owns all three arena sites: Shoreview Arena, at 877 Highway 96 in Shoreview; White Bear Lake Arena, at 2160 Orchard Lane in White Bear Lake; and Aldrich Arena, at 1850 White Bear Avenue in Maplewood.

**3. Are there alternative sites?**

Based on the work of the Ramsey County Arena Task Force, these 3 arenas were the top priority for renovation, based on long-term projections of the arena market. There are other arenas that could qualify for these projects as well, but the Task Force recommended a phase approach to renovations.

**4. What is the estimated size?**

**a. Building square footage**

The affected area varies per facility. Shoreview and White Bear Lake arenas are approximately 26,000 square feet, and Aldrich is approximately 41,000 square feet.

**b. Acres of land needed**

n/a

**c. Is parking space required? How much?**

No additional parking spaces will be required as a result of this project.

**5. How is the space to be utilized?**

Locker rooms, common spaces (lobbies and restrooms), mechanical rooms, administrative spaces, ice rink.

**a. Office space square footage**

n/a

**b. Program space square footage**

n/a

**6. How many employees will occupy the space?**

**a. Current Staff**

During hours of operation there are between 1 and 2 full-time staff on each site. At Aldrich, temporary staff are utilized during high school games.

**b. New positions/staff needed**

none

**7. Who provided the cost estimate? When?**

Estimates were provided in January 2017 by McKinstry-Essention, Inc., RAK Construction, and Parks staff.

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

McKinstry is a full-service national energy efficiency contractor. Their Minnesota office specializes in ice arena projects, with a particular focus on refrigeration and energy-efficiency retrofits. Relevant recent projects include City of New Hope ice arena, City of Brooklyn Park ice arena, City of Rochester Civic Center. McKinstry was the selected contractor for the Department's Aldrich Arena HVAC conversion project, set to commence February 2017.

**8. For how long is the cost estimate valid?**

Construction costs are projected for 2018-19.

**9. When does the project need to begin?**

Design work needs to begin in summer 2018 so that construction can begin spring 2019 (arena off-season)

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Ryan Ries will serve as project manager. He is the Department's Project Manager/Capital Asset Manager and has managed several large construction projects for the Department, as well as many projects in the private sector prior to coming to the County.

**b. Outside consultant - Describe experience**

A design-builder will be hired to design, construct, and manage the project.

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 385,445	171,600	213,845	-	-	-	-
Construction	\$ 3,469,005	1,544,400	1,924,605	-	-	-	-
Furniture, Fixtures & Equipment	\$ -	-	-	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other (Describe)	\$ -	-	-	-	-	-	-
	<b>\$ 3,854,450</b>	<b>\$ 1,716,000</b>	<b>\$ 2,138,450</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## B. NARRATIVE JUSTIFICATION

### 1. Why is this project needed? Reasons

This project is necessary for several reasons. First, the refrigerant currently used in all but one Ramsey County arenas, R-22, will no longer be manufactured as of 2020 per EPA regulations. The County is recommending a natural refrigerant, ammonia, as a replacement. Any replacement refrigerant requires significant revisions to the refrigeration plant. Second, the County hired a consultant to assess its facilities for ADA compliance, and significant deficiencies were identified across the arena system. Third, there are several capital maintenance items that have reached the end of their useful life and need to be replaced.

### 2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?

All three facilities have significant accessibility deficiencies. This project would make each facility ADA compliant. Also, the facilities currently utilize HFC (hydrofluorocarbon) refrigerants, which have negative impacts on the environment and are being phased out by the EPA.

### 3. What are the positive aspects of the current building and/or site?

The facilities are clean, safe, and well-maintained. Aldrich Arena is utilized year-round for a variety of events - not just hockey and figure skating but also conventions, cultural concerts, farmers markets, high school graduations, and more. Aldrich is a community institution with a rich history dating back to the early 1960s.

### 4. Who performed the functional analysis? Qualifications?

The County has been analyzing the R-22 phaseout for several years. In 2015 The Board of Commissioners created an Arena Task Force to study the current state and long-term feasibility of the County arena system. This task force spent 2016 studying issues around the arena system, including the R-22 phaseout and capital needs. Department staff participated in these discussions as appropriate, and worked with industry experts to develop estimates. Additionally, another consultant, Recreation Accessibility Consultants, provided the in-depth ADA compliance study and report of recommendations.

### 5. What other alternatives have been explored? Describe

The Arena Task Force explored scenarios around alternative refrigerants, prioritization of arenas, consolidation/expansion of arena system, phasing of projects, and other alternatives. The work proposed in this project follows the ultimate recommendations made by the Task Force, in their recommended order of priority.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

As a result of its ADA noncompliance, the County is open to the risk of a claim or suit from the Department of Justice. Supply of R-22 will continue to dwindle in anticipation of the 2020 phaseout, and costs will increase. Deferring scheduled maintenance will increase maintenance costs.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

N/A

**3. How are current operating costs being affected?**

R-22 will no longer be manufactured after 2020. The price of R-22 in 2016 tripled vs. 2015, so the market is already responding to the upcoming phase-out. The longer this project is deferred, the more expensive it will be to operate current facilities.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

Continued non-compliance with ADA subjects the County to complaints and possible Department of Justice investigations. R-22 will no longer be manufactured, so the supply will drastically decrease and in the case of an emergency, the Department may not be able to procure R-22 in a timely fashion which could lead to the inability to make ice. This negatively impacts the Department from a revenue standpoint but also from a customer service standpoint. The Department's entire arena division operations are rooted in the ability to provide good, safe ice to customers. Failing to properly invest in the future will reflect poorly on customers and may lead them to seek out alternative arenas.



**D. IMPACT ON FUTURE OPERATING COSTS**

1. Estimated cost of new staff positions needed. When? Is/will funding be available?

N/A

2. Are there any future cost savings?

N/A

3. Estimated annual maintenance costs:

a. Maintenance/Custodial

no change

b. Heating/Cooling/Lighting

no change

4. Are there any federal/state laws mandating increased operating costs?

N/A

**E. IMPACT ON FUTURE REVENUES**

1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		-				-	
c. Operating Costs		-				-	
d. Staff Costs		-				-	
e. Replacement		-				-	
f. Debt Costs (bonds)		-				-	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**

Arena Regulatory Compliance  
Attachment B - Arena Task Force Report



# ARENA TASK FORCE

Draft Report

February 16, 2016



# From the Director of Ramsey County Parks & Recreation

Minnesota is the State of Hockey and Ramsey County, with 13 sheets of ice in 11 facilities, is clearly the capital. Ramsey County's arena system has served the community well since many of the arenas were built in the 1970s. The system has helped to create a sense of place and a sense of community. As a county, we take pride in operating and maintaining a clean, safe and quality system.

However, times change and buildings age. New environmental restrictions are phasing out the refrigerant that currently helps make ice at all county arenas. The buildings look well-worn from constant use and are showing their age. The demographics of our residents have changed over the decades since the areas were constructed, and this has impacted the culture of the metropolitan area. Skating is not necessarily a top leisure time choice anymore.

The Ramsey County Board of Commissioners charged the Arena Task Force with assisting us in looking at the past, present and future of our arena system. These appointed residents, along with staff and arena stakeholders, have studied the state of our system and are bringing forth the recommendations identified in this report. The task force reached these recommendations by carefully studying data, listening to user groups, learning about trends, hearing from subject-matter experts, and weighing the possibilities of many variables that impact indoor ice arenas. The complexity of the situation is evident and the future may bring several twists and turns.

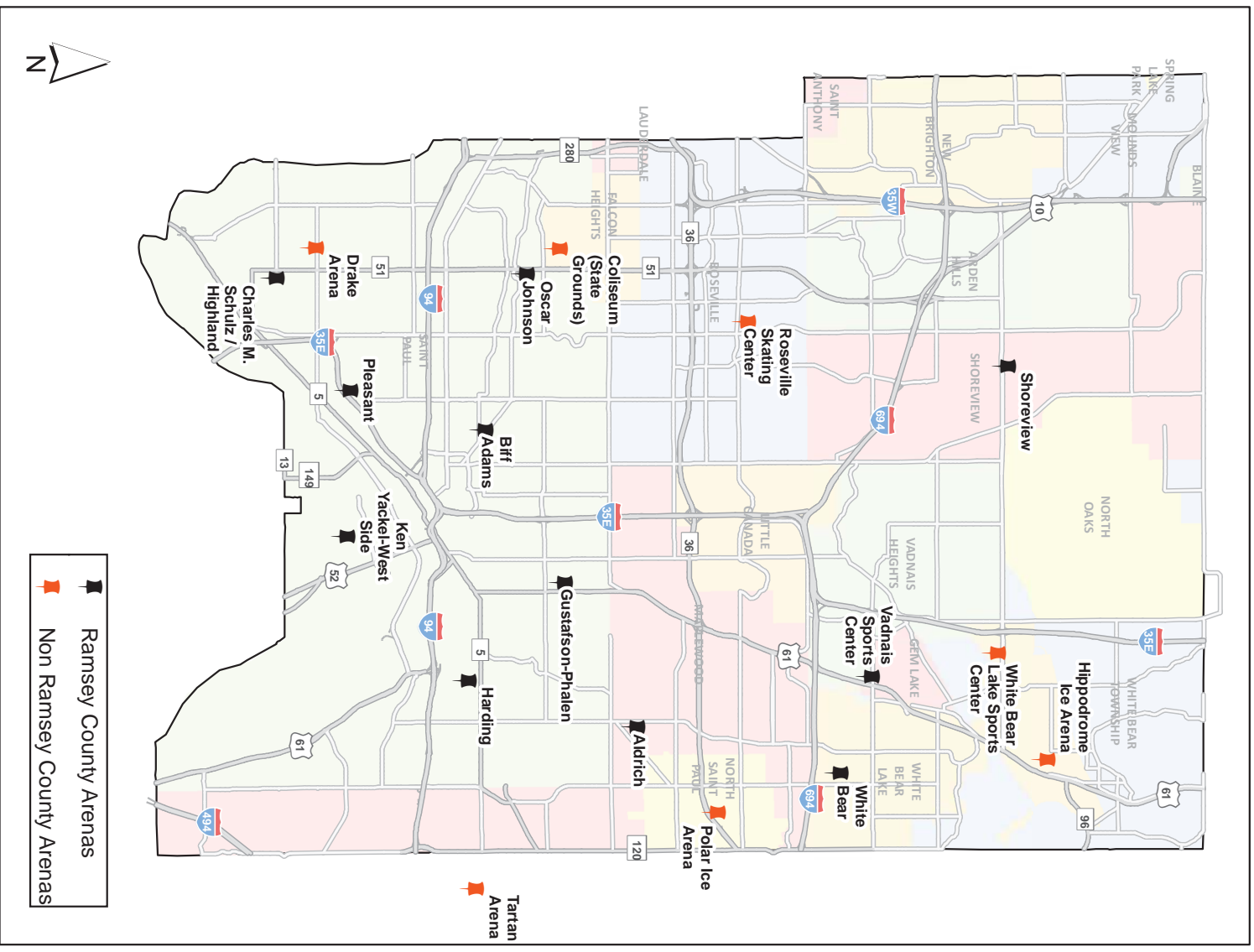
I want to thank the members of the Arena Task Force for their contribution of time, energy and ideas. This year-long process has yielded a report that covers the key issues that will arise over the next 20 years. The task force wrestled with difficult issues that have no easy answers and far-reaching ramifications. I also want to thank the many community members who participated in the public input sessions held throughout the county. Your thoughts, ideas and passion for local arenas are also reflected within this report.

There will be difficult decisions ahead for the Ramsey County Board of Commissioners concerning the indoor ice arena system. This report and the recommendations provided give us sound quantitative and qualitative reasons to help guide those decisions. The goal is to provide a system of arenas well into the future that best serves the community and enhances the quality of life in Ramsey County.

Sincerely,

Jon Oyanagi  
Director, Ramsey County Parks & Recreation

# Map of Arenas in Ramsey County



# Executive Summary

In 2015, The Ramsey County Board of Commissioners directed the County Manager to develop an Arena Task Force to study the current state of the indoor ice arena system and make recommendations for the system's long-term future. The task force examined the history of the arena system, current operations and user groups; explored potential user groups and alternative uses for the facilities; and analyzed related issues. Public input was sought at various points during the process.



A technical advisory team worked side by side with the task force providing data and information related to the various research topics requested by the task force. Based on this thorough review process, the task force has reached the system recommendations identified in this report.



The recommendations in this report provide the county board with suggested policies that will guide the provision of an arena system far into the future. The arena system can continue to accomplish the vision, mission and goals of Ramsey County through the provision of geographical access to a recreational amenity that provides healthy, safe, community-building opportunities. The arenas are an important part of the overall quality of life for Ramsey County residents.

The following is a summary of the Arena Task Force's recommendations, which are based upon the data analysis, trends examination, information from subject matter experts, community input, and the knowledge and experience of the task force members.

## Ice assigning/priority of use

Input from the community listening sessions overwhelmingly supported meeting the needs of Ramsey County residents and groups first in assigning ice hours. This recommendation prioritizes Ramsey County user groups. Ramsey County groups are defined as being based within the county with a membership made up of 50 percent or more by county residents.

## Conditions for consolidation

The Arena Task Force provides a suggestion for the threshold that would begin the process to look for ways to consolidate Ramsey County user groups into other arenas in preparation for looking at the need to repurpose a facility.

## Contracted use opportunities

Ramsey County has had successful ice contract relationships with several user groups that are not based in the county. This recommendation allows for similar agreements with those groups paying non-county rates and contributing to the capital costs of maintaining the building to compensate for not contributing through property taxes.

## Ice rental rates

One of the main reasons attributed to the decline in ice sports participation is the high cost of skating sports. This recommendation proposes freezing rates at current levels to hold costs down. Of course, if expenses rise this freeze may need revision.

## Refrigerant replacement recommendation

R-22 will cease to be manufactured in the year 2020. The task force recommends phasing the transition to another refrigerant, ammonia, over several years. The phased approach allows for the possibility of new technologies to emerge that may be more effective than ammonia. The recommendation also suggests storing R-22 to service the remaining systems until replaced.

## Replacement schedule

This phased approach allows for a gradual financial impact, time to consider reductions or additions to the system, and time for new technologies to surface that may solve the issue in a more effective way.

## Other capital improvements

The arenas in the Ramsey County system are more than 40 years old. They have been well utilized and are in need of refurbishing. The recommendation suggests adding these capital expenses to the replacement schedule for the refrigeration system.

## Funding

General Obligation bonds are one method suggested to fund the necessary improvements. Energy savings programs can be explored, however, some energy systems have already been updated over time and the savings may not be large enough to cover the feasible payback. Partnerships with other agencies and associations is another method to consider.

## Criteria for ending use as an ice arena

The task force recommends criteria for consideration of closing a facility. When a rink drops below 50 percent use by Ramsey County groups it will begin discussions about the future of a building. This will allow time to prepare for a change in use.

## Criteria for adding an arena

The task force also recommends criteria that should be used to consider adding to the system in the event ice sports rebound and grow in popularity. Adding a second rink or more to an existing facility may be part of the solution to operating a more efficient system while reducing single sheet sites.

## Repurposing process

Originally, the task force was to look at what a rink could be used for if the decision was made to cease use as an ice rink. This proved to be a daunting task in addition to the other decision points the task force was working towards. This recommendation provides a suggested process to utilize to explore other uses. Some ideas for alternative uses popped up at community listening sessions and were incorporated into the list in this report. Generally speaking, the repurposing process should involve many stakeholders and the general public. The space occupied by an arena has potential to serve many community needs and interests to meet the vision, mission and goals of Ramsey County.

## Workforce impact

The county board made it clear that the recommendations should not negatively impact the current county workforce. The task force's recommendations take this into account. There are future opportunities for additional maintenance and operations personnel beyond the current demand for staff. The arena staff received many compliments during the community input sessions. 48

The Arena Task Force spent many hours throughout the past year focusing on the Ramsey County arena system. They asked tough questions and learned more than they expected. They wrestled with complex issues. Most of the members are passionate about hockey and skating. The task force's final recommendations reflect this research and passion and are meant to serve the best interest of all Ramsey County citizens.

## Refrigerant replacement

Replace the R-22 systems with Ammonia systems. The estimated cost will be in the range of \$400,000 to \$800,000 per sheet of ice (in 2015 dollars). It is recommended that the county continue to monitor the industry for developing technology around human-made, drop-in coolants.

## Replacement schedule

Replace R-22 systems in phases over time, beginning no earlier than 2018. The following is a proposed priority order to begin no earlier than 2018. Phasing in the replacement will help spread out capital expenses, ensure that the systems will not need replacing all at once, and allow for time to repurpose/close an arena if the need exists. The prioritization ensures that the rinks projected to serve the community far into the future are replaced first and those most likely to be repurposed/closed are last. A major repair may hasten the need to repurpose/close under this scenario.

Tier I – Highland, New arena(s) at Highland constructed, Shoreview, White Bear  
Tier II – Aldrich, Pleasant, Oscar Johnson, Gustafson-Phalen  
Tier III – Harding, Ken Yackel-West Side, Biff Adams  
Tier IV – Vadnais Sports Center

485

The urban rinks are scheduled to be replaced last and are identified as the first to be looked at for repurposing. This is due mainly to changing demographics and decreasing utilization by nearby residents. Highland has the possibility of using the St. Paul Regional Water Services land to build an additional rink or two along with much needed parking. There is a possible synergy with stakeholders of Drake Arena to partner on that project.

## Other capital improvements

The task force recommends improving the building exterior and interiors to improve aesthetics, reduce maintenance, and reduce energy consumption, provide amenities desired by users, and improve functionality/multi-purpose capabilities.

It also recommends setting the improvement schedule to coincide with refrigerant replacement. Cost would be estimated at \$800,000 per rink. The Parks & Recreation ice arena CIP and CCAMP project list (Appendix 9) will be modified to fit with the recommendation schedule and priorities as outlined by the Arena Task Force and accounting for any major repair needs that may arise outside of this recommendation.



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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENTS:** Parks & Recreation

**PROJECT TITLE:** Arena Regulatory Compliance

**COMMENTS:**

“These are important improvements which should be considered and prioritized within a larger strategic plan for Ramsey County ice arenas.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Parks and Recreation/660000

**Project Title or**

**Item:** Green Ice Initiative

**PROJECT DESCRIPTION: (Attach supporting documents.)**

This project consists of energy-efficiency projects to be completed at Shoreview, White Bear Lake, and Aldrich Arenas, in concert with regulatory-required projects submitted under a separate Major Project request ("Arena Regulatory Compliance"). In 2017, the Department adopted an Energy Action Plan identifying several short- to medium-term energy goals. One of those goals is a 35% reduction in energy usage across the Department by 2025. Arenas account for 85% of the Department's energy usage. So, any significant energy reduction efforts must be focused on the ice arenas. Since the work required under the Regulatory Compliance project will involve substantial remodeling, including complete replacement of the refrigeration system, there exists an opportunity to incorporate several energy-efficiency projects without further impacting the building operations. These projects are collected under the Department's Green Ice Initiative, which seeks to substantially reduce the operating cost of its ice arenas through energy efficient equipment, increased controls through building management systems, ease of maintenance, and maintenance standardization. Specific items for implementation under the Green Ice Initiative include building management systems (to allow for better programming, scheduling, monitoring, and maintenance of ice plant, HVAC, and lighting systems), LED lighting retrofits, implementation of RealIce (in-line plumbing equipment which allows the refrigerant plant to operate at higher temperatures and ice resurfacing utilizing cold water, resulting in substantial electrical and water heating savings), heat recovery (using waste heat generated by ice-making plant for space heating, snow melting, etc), and the usage of more energy-efficient refrigerants. By making this strategic investment concurrent with the Regulatory Compliance projects, the Department will reduce its energy usage at the 3 arenas by 40%, and the capital cost will be paid back in under 15 years. The overall savings, projected over a 40-year useful life, is \$2,564,000. The net savings, once the capital is paid for, is \$1,529,000. These projects will set up these arenas for long-term success, and will position the County as leaders in energy efficiency, environmental stewardship, and fiscal responsibility.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 1,035,000	\$ 385,000	\$ 650,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 1,035,000</b>	<b>\$ 385,000</b>	<b>\$ 650,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	No	Yes	IF YES:	Year(s)	Amount
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager recommends financing this project using bond proceeds of \$385,000 in 2018 and \$650,000 in 2019.

**MAJOR CIP PROJECTS - QUESTIONS**

**A. PROJECT DESCRIPTION**

**1. Is the project a replacement? Major renovation? New development/asset?**

This project is a major renovation of 3 existing ice arenas to incorporate energy efficiency best practices, which will lead to a 40% energy reduction in those facilities, or approximately \$64,000 per year. The total life-cycle savings for the project is \$2,564,000. The net life-cycle savings, once the capital investment is paid back, is \$1,529,000.

**2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?**

The County owns all three arena sites: Shoreview Arena, at 877 Highway 96 in Shoreview; White Bear Lake Arena, at 2160 Orchard Lane in White Bear Lake; and Aldrich Arena, at 1850 White Bear Avenue in Maplewood.

**3. Are there alternative sites?**

Based on the work of the Ramsey County Arena Task Force, these 3 arenas were the top priority for renevation, based on long-term projections of the arena market. There are other arenas that could qualify for these projects as well, but the Task Force recommended a phase approach to renovations. The 3 arenas identified in this project coincide with the arenas in the Arena Regulatory Compliance project submitted separately.

**4. What is the estimated size?**

**a. Building square footage**

The affected area varies per facility. Shoreview and White Bear Lake arenas are approximately 26,000 square feet, and Aldrich is approximately 41,000 square feet.

**b. Acres of land needed**

n/a

**c. Is parking space required? How much?**

No additional parking spaces will be required as a result of this project.

**5. How is the space to be utilized?**

Locker rooms, common spaces (lobbies and restrooms), mechanical rooms, administrative spaces, ice rink.

**a. Office space square footage**

n/a

**b. Program space square footage**

n/a

**6. How many employees will occupy the space?**

**a. Current Staff**

During hours of operation there are between 1 and 2 full-time staff on each site. At Aldrich, temporary staff are utilized during high school games.

**b. New positions/staff needed**

none

**7. Who provided the cost estimate? When?**

Estimates were provided in January 2017 by McKinstry-Essention, Inc., and Parks staff.

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

McKinstry is a full-service national energy efficiency contractor. Their Minnesota office specializes in ice arena projects, with a particular focus on refrigeration and energy-efficiency retrofits. Relevant recent projects include City of New Hope ice arena, City of Brooklyn Park ice arena, City of Rochester Civic Center. McKinstry was the selected contractor for the Department's Aldrich Arena HVAC conversion project, set to commence February 2017.

**8. For how long is the cost estimate valid?**

Construction costs are projected for 2018-19.

**9. When does the project need to begin?**

Design work needs to begin in summer 2018 so that construction can begin spring 2019 (arena off-season)

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Ryan Ries will serve as project manager. He is the Department's Project Manager/Capital Asset Manager and has managed several large construction projects for the Department, as well as many projects in the private sector prior to coming to the County.

**b. Outside consultant - Describe experience**

A design-builder will be hired to design, construct, and manage the project.

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 103,500	38,500	65,000	-	-	-	-
Construction	\$ 931,500	346,500	585,000	-	-	-	-
Furniture, Fixtures & Equipment	\$ -	-	-	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other (Describe)	\$ -	-	-	-	-	-	-
	<b>\$ 1,035,000</b>	<b>\$ 385,000</b>	<b>\$ 650,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

This project is necessary for several reasons. Since the current refrigerant, R-22, used in Department arenas is being phased out by the EPA in 2020, significant investment will be required to renovate the refrigeration system. However, this poses a terrific opportunity for the Department to incorporate modern energy-efficiency technologies to drastically reduce the energy footprint of the arenas, which account for the majority of the Department's energy usage. Reducing operating costs will allow the Department to offer excellent service to its customers and remain financially feasible in the long term. Additionally, the payback period for this project is estimated at 14.9 years. Since the project is being designed for a 40-year life cycle, this would mean the Department is "net positive" on this project for the last 25 years of its life.

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

Aldrich Arena was constructed in the early 1960s; Shoreview and White Bear Lake were constructed in the mid 1970s. The facilities are aging, inefficient, and lack modern building technologies. As a result they are expensive to operate and inefficient to maintain. Occupant comfort is another challenge: the inability to control heating in different areas of the arena can make the bleacher areas cold, while halogen or metal halide lights do not provide optimal environment and viewing for hockey and ice skating.

**3. What are the positive aspects of the current building and/or site?**

The facilities are clean, safe, and well-maintained. Aldrich Arena is utilized year-round for a variety of events - not just hockey and figure skating but also conventions, cultural concerts, farmers markets, high school graduations, and more. Aldrich is a community institution with a rich history dating back to the early 1960s.

**4. Who performed the functional analysis? Qualifications?**

The County has been analyzing the R-22 phaseout for several years. In 2015 The Board of Commissioners created an Arena Task Force to study the current state and long-term feasibility of the County arena system. This task force spend 2016 studying issues around the arena system, including the R-22 phaseout and capital needs. Department staff participated in these discussions as appropriate, and worked with industry experts to develop estimates. The Energy Action Plan was developed in 2016 by a team including Department staff, Xcel Energy, and its consultant, the Center for Energy and the Environment. The Green Ice Initiative was created as part of this plan using Xcel Energy data and engineering expertise, Department maintenance and operations personnel, energy professionals from CEE, and other industry experts. Estimates for the Green Ice Initiative components were provided by McKinstry Essention, Inc, a national energy consultant and contractor with a special focus locally on ice arenas.

**5. What other alternatives have been explored? Describe**

The Arena Task Force explored scenarios around alternative refrigerants, prioritization of arenas, consolidation/expansion of arena system, phasing of projects, and other alternatives. The facilities proposed in this project follows the ultimate recommendations made by the Task Force, in their recommended order of priority. The Department has consulted with industry professionals in refrigeration systems (Rink Tec, Gardner Refrigeration), building management systems (KFI, Harris Controls), LED lighting (Voss Lighting, JH Larson, TSR), RealIce, HVAC engineering (McKinstry), and others to understand project feasibility and paybacks.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

As a result of its ADA noncompliance, the County is open to the risk of a claim or suit from the Department of Justice. Supply of R-22 will continue to dwindle in anticipation of the 2020 phaseout, and costs will increase. Deferring scheduled maintenance will increase maintenance costs.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

N/A

**3. How are current operating costs being affected?**

R-22 will no longer be manufactured after 2020. The price of R-22 in 2016 tripled vs. 2015, so the market is already responding to the upcoming phase-out. The longer this project is deferred, the more expensive it will be to operate current facilities.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

The Department will save operating costs immediately, so deferring the project also defers the savings. Additionally, utility rebates and incentives used as a basis of the project estimates are subject to change and may decrease.



**D. IMPACT ON FUTURE OPERATING COSTS**

1. Estimated cost of new staff positions needed. When? Is/will funding be available?

N/A

2. Are there any future cost savings?

Estimated at \$64,000 per year through the life-cycle of each facility. This project, combined with the Regulatory Compliance project, are expected to extend the life cycle of the facilities another 40 years.

3. Estimated annual maintenance costs:

a. Maintenance/Custodial

20% reduction in maintenance costs based on longer-life lighting, standardization of maintenance procedures, and ability to schedule/program refrigeration, heating, and lighting through building automation systems

b. Heating/Cooling/Lighting

40% reduction in energy costs. Currently Shoreview and White Bear Lake arenas cost approximately \$35,000/year in electric/gas, while Aldrich costs approximately \$90,000/year.

4. Are there any federal/state laws mandating increased operating costs?

N/A

**E. IMPACT ON FUTURE REVENUES**

1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		-				-	
c. Operating Costs		-				-	
d. Staff Costs		-				-	
e. Replacement		-				-	
f. Debt Costs (bonds)		-				-	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**

Arena Regulatory Compliance  
Attachment B - Arena Task Force Report

# ARENA TASK FORCE

Draft Report

February 16, 2016



# From the Director of Ramsey County Parks & Recreation

Minnesota is the State of Hockey and Ramsey County, with 13 sheets of ice in 11 facilities, is clearly the capital. Ramsey County's arena system has served the community well since many of the arenas were built in the 1970s. The system has helped to create a sense of place and a sense of community. As a county, we take pride in operating and maintaining a clean, safe and quality system.

However, times change and buildings age. New environmental restrictions are phasing out the refrigerant that currently helps make ice at all county arenas. The buildings look well-worn from constant use and are showing their age. The demographics of our residents have changed over the decades since the areas were constructed, and this has impacted the culture of the metropolitan area. Skating is not necessarily a top leisure time choice anymore.

The Ramsey County Board of Commissioners charged the Arena Task Force with assisting us in looking at the past, present and future of our arena system. These appointed residents, along with staff and arena stakeholders, have studied the state of our system and are bringing forth the recommendations identified in this report. The task force reached these recommendations by carefully studying data, listening to user groups, learning about trends, hearing from subject-matter experts, and weighing the possibilities of many variables that impact indoor ice arenas. The complexity of the situation is evident and the future may bring several twists and turns.

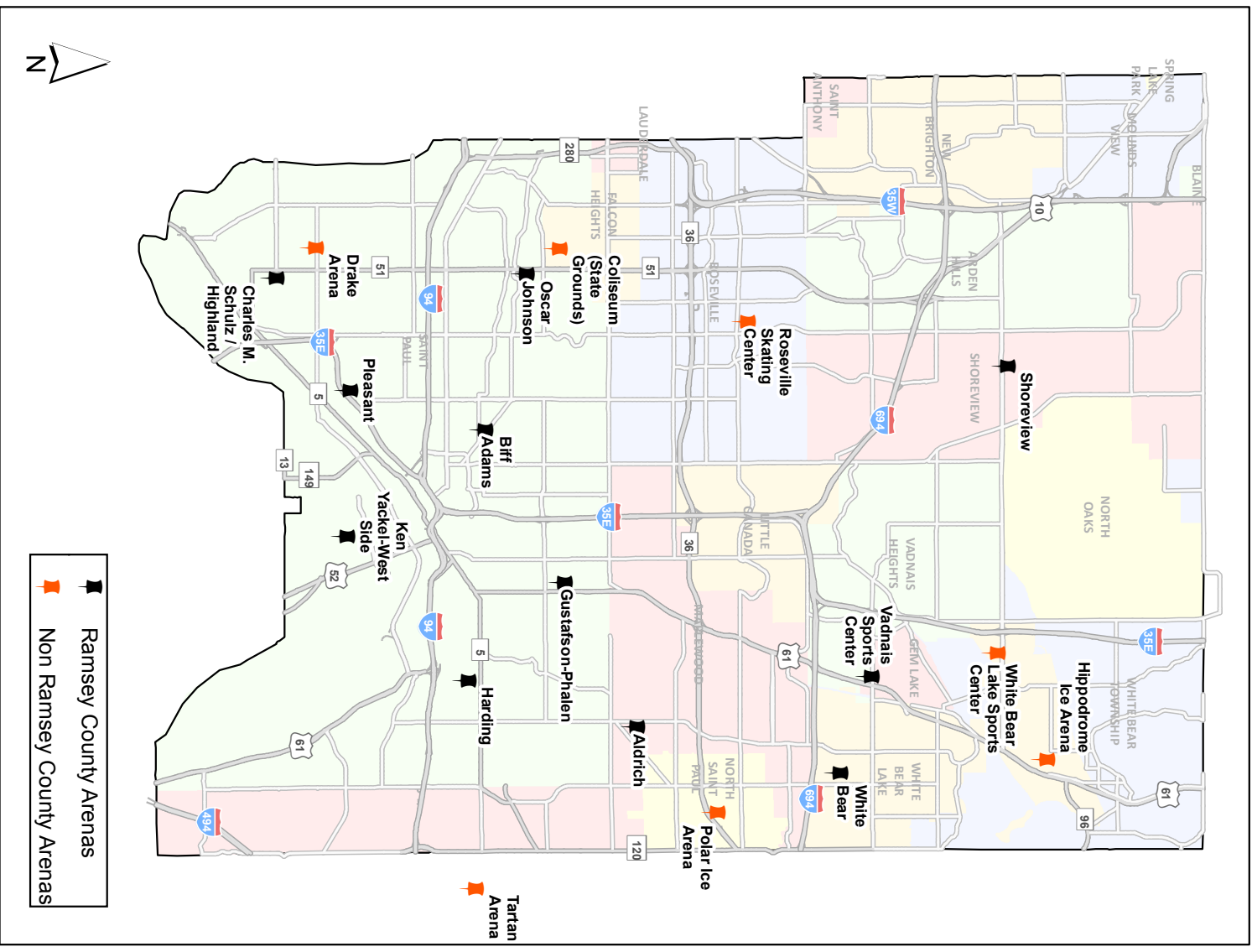
I want to thank the members of the Arena Task Force for their contribution of time, energy and ideas. This year-long process has yielded a report that covers the key issues that will arise over the next 20 years. The task force wrestled with difficult issues that have no easy answers and far-reaching ramifications. I also want to thank the many community members who participated in the public input sessions held throughout the county. Your thoughts, ideas and passion for local arenas are also reflected within this report.

There will be difficult decisions ahead for the Ramsey County Board of Commissioners concerning the indoor ice arena system. This report and the recommendations provided give us sound quantitative and qualitative reasons to help guide those decisions. The goal is to provide a system of arenas well into the future that best serves the community and enhances the quality of life in Ramsey County.

Sincerely,

Jon Oyanagi  
Director, Ramsey County Parks & Recreation

# Map of Arenas in Ramsey County



# Executive Summary

In 2015, The Ramsey County Board of Commissioners directed the County Manager to develop an Arena Task Force to study the current state of the indoor ice arena system and make recommendations for the system's long-term future. The task force examined the history of the arena system, current operations and user groups; explored potential user groups and alternative uses for the facilities; and analyzed related issues. Public input was sought at various points during the process.



A technical advisory team worked side by side with the task force providing data and information related to the various research topics requested by the task force. Based on this thorough review process, the task force has reached the system recommendations identified in this report.



The recommendations in this report provide the county board with suggested policies that will guide the provision of an arena system far into the future. The arena system can continue to accomplish the vision, mission and goals of Ramsey County through the provision of geographical access to a recreational amenity that provides healthy, safe, community-building opportunities. The arenas are an important part of the overall quality of life for Ramsey County residents.

The following is a summary of the Arena Task Force's recommendations, which are based upon the data analysis, trends examination, information from subject matter experts, community input, and the knowledge and experience of the task force members.

## Ice assigning/priority of use

Input from the community listening sessions overwhelmingly supported meeting the needs of Ramsey County residents and groups first in assigning ice hours. This recommendation prioritizes Ramsey County user groups. Ramsey County groups are defined as being based within the county with a membership made up of 50 percent or more by county residents.

## Conditions for consolidation

The Arena Task Force provides a suggestion for the threshold that would begin the process to look for ways to consolidate Ramsey County user groups into other arenas in preparation for looking at the need to repurpose a facility.

## Contracted use opportunities

Ramsey County has had successful ice contract relationships with several user groups that are not based in the county. This recommendation allows for similar agreements with those groups paying non-county rates and contributing to the capital costs of maintaining the building to compensate for not contributing through property taxes.

## Ice rental rates

One of the main reasons attributed to the decline in ice sports participation is the high cost of skating sports. This recommendation proposes freezing rates at current levels to hold costs down. Of course, if expenses rise this freeze may need revision.

## Refrigerant replacement recommendation

R-22 will cease to be manufactured in the year 2020. The task force recommends phasing the transition to another refrigerant, ammonia, over several years. The phased approach allows for the possibility of new technologies to emerge that may be more effective than ammonia. The recommendation also suggests storing R-22 to service the remaining systems until replaced.

## Replacement schedule

This phased approach allows for a gradual financial impact, time to consider reductions or additions to the system, and time for new technologies to surface that may solve the issue in a more effective way.

## Other capital improvements

The arenas in the Ramsey County system are more than 40 years old. They have been well utilized and are in need of refurbishing. The recommendation suggests adding these capital expenses to the replacement schedule for the refrigeration system.

## Funding

General Obligation bonds are one method suggested to fund the necessary improvements. Energy savings programs can be explored, however, some energy systems have already been updated over time and the savings may not be large enough to cover the feasible payback. Partnerships with other agencies and associations is another method to consider.

## Criteria for ending use as an ice arena

The task force recommends criteria for consideration of closing a facility. When a rink drops below 50 percent use by Ramsey County groups it will begin discussions about the future of a building. This will allow time to prepare for a change in use.

## Criteria for adding an arena

The task force also recommends criteria that should be used to consider adding to the system in the event ice sports rebound and grow in popularity. Adding a second rink or more to an existing facility may be part of the solution to operating a more efficient system while reducing single sheet sites.

## Repurposing process

Originally, the task force was to look at what a rink could be used for if the decision was made to cease use as an ice rink. This proved to be a daunting task in addition to the other decision points the task force was working towards. This recommendation provides a suggested process to utilize to explore other uses. Some ideas for alternative uses popped up at community listening sessions and were incorporated into the list in this report. Generally speaking, the repurposing process should involve many stakeholders and the general public. The space occupied by an arena has potential to serve many community needs and interests to meet the vision, mission and goals of Ramsey County.

## Workforce impact

The county board made it clear that the recommendations should not negatively impact the current county workforce. The task force's recommendations take this into account. There are future opportunities for additional maintenance and operations personnel beyond the current demand for staff. The arena staff received many compliments during the community input sessions.

The Arena Task Force spent many hours throughout the past year focusing on the Ramsey County arena system. They asked tough questions and learned more than they expected. They wrestled with complex issues. Most of the members are passionate about hockey and skating. The task force's final recommendations reflect this research and passion and are meant to serve the best interest of all Ramsey County citizens.

## Refrigerant replacement

Replace the R-22 systems with Ammonia systems. The estimated cost will be in the range of \$400,000 to \$800,000 per sheet of ice (in 2015 dollars). It is recommended that the county continue to monitor the industry for developing technology around human-made, drop-in coolants.

## Replacement schedule

Replace R-22 systems in phases over time, beginning no earlier than 2018. The following is a proposed priority order to begin no earlier than 2018. Phasing in the replacement will help spread out capital expenses, ensure that the systems will not need replacing all at once, and allow for time to repurpose/close an arena if the need exists. The prioritization ensures that the rinks projected to serve the community far into the future are replaced first and those most likely to be repurposed/closed are last. A major repair may hasten the need to repurpose/close under this scenario.

Tier I – Highland, New arena(s) at Highland constructed, Shoreview, White Bear  
Tier II – Aldrich, Pleasant, Oscar Johnson, Gustafson-Phalen  
Tier III – Harding, Ken Yackel-West Side, Biff Adams  
Tier IV – Vadnais Sports Center

501

The urban rinks are scheduled to be replaced last and are identified as the first to be looked at for repurposing. This is due mainly to changing demographics and decreasing utilization by nearby residents. Highland has the possibility of using the St. Paul Regional Water Services land to build an additional rink or two along with much needed parking. There is a possible synergy with stakeholders of Drake Arena to partner on that project.

## Other capital improvements

The task force recommends improving the building exterior and interiors to improve aesthetics, reduce maintenance, and reduce energy consumption, provide amenities desired by users, and improve functionality/multi-purpose capabilities.

It also recommends setting the improvement schedule to coincide with refrigerant replacement. Cost would be estimated at \$800,000 per rink. The Parks & Recreation ice arena CIP and CCAMP project list (Appendix 9) will be modified to fit with the recommendation schedule and priorities as outlined by the Arena Task Force and accounting for any major repair needs that may arise outside of this recommendation.



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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENTS:** Parks & Recreation

**PROJECT TITLE:** Green Ice Initiative

**COMMENTS:**

“These are important improvements which should be considered and prioritized within a larger strategic plan for Ramsey County ice arenas.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Parks and Recreation Department/660000

**Project Title or**

**Item:** Manitou Ridge Golf Course Irrigation & Bunkers

**PROJECT DESCRIPTION: (Attach supporting documents.)**

Parks and Recreation is requesting funding to improve its water conservation efforts through an updated irrigation system at Manitou Ridge Golf Course. The Parks and Recreation Department has been monitoring issues related to the lake levels of White Bear Lake. The Minnesota Department of Natural Resources has established (December 2016) a protective elevation for White Bear Lake which lies in both Ramsey and Washington Counties. A Protective elevation is a regulatory measure used to trigger changes in water appropriations to prevent undue harm to a lake. The DNR is considering how to apply the protective elevation to existing and new groundwater appropriation permits. Currently Manitou Ridge has a permit to pump 60 million gallons annually. The Department will wait to hear the final impact to appropriations before moving ahead with improvements at Manitou Ridge. If the appropriation does not adversely affect the operation of the golf course the Department desires to be excellent stewards of the water resources in White Bear Lake. By incorporating the use of new technology and strategic placement of sprinkler heads, the course will be able to reduce its water usage by as much as 25%. Installation of a weather station to accurately monitor rainfall and the ability to test turf moisture throughout the course will not only create efficiencies in the use of the resource it will also aid in the reduction of fertilizer and pesticide costs. The Golf Course Superintendents Association of America has conducted extensive research on a courses impact to the environment. They have developed industry best practices and created the Golf Course Environmental Profile. As the stewards of park land it is critical that the Department continue to make improvements in the area of water conservation on its golf courses. Secondly, Parks and Recreation is requesting funding for improvements to bunkers (sand traps) which would radically enhance playability (number one customer complaint), increase course revenue, reduce staff time and labor costs and increase the course's ability to capture more storm water. There are 28 bunkers on Manitou Ridge Golf Course. All of the 28 bunkers are contaminated (contaminated defined as no longer sand but rocks and pebbles and lacks ability to drain). The replacement of an average USGA sized bunker of 1,000 square feet is \$8,000 each for a total at Manitou of \$224,000. The replacement will include drain tile which will allow the Superintendent to capture more water on the course. The bunkers have outlived their life cycle as laid out by the American Society of Golf Course Architects: Bunker sand 5-7 years and bunker drainage 5-10 years.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 1,474,000	\$ -	\$ 1,474,000	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 1,474,000</b>	<b>\$ -</b>	<b>\$ 1,474,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

County Manager does not recommend financing this project in 2019.

MAJOR CIP PROJECTS - QUESTIONS

A. PROJECT DESCRIPTION

1. Is the project a replacement? Major renovation? New development/asset?

Replacement of irrigation systems and reconstruction of bunkers throughout Manitou Ridge Golf Course.

2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?

Manitou Ridge Golf Course is owned by Ramsey County and is located in White Bear Lake.

3. Are there alternative sites?

NA

4. What is the estimated size?

a. Building square footage

NA

b. Acres of land needed

NA

c. Is parking space required? How much?

NA

5. How is the space to be utilized?

NA

a. Office space square footage

NA

b. Program space square footage

NA

**6. How many employees will occupy the space?**

**a. Current Staff**

NA

**b. New positions/staff needed**

NA

**7. Who provided the cost estimate? When?**

Eric Christensen Design Group in December 2016 for irrigation. Hartman Companies in January 2017 for bunker reconstruction.

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

Eric Christensen Design Group has over 35 years of turf irrigation experience and has completed over 400 projects including Keller Golf Course. Hartman Companies has over 35 years experience in renovating golf courses and sports fields. They are industry leaders in golf course renovation, sports fields and sports turf drainage. They were the selected vendor for the Keller remodel in 2012.

**8. For how long is the cost estimate valid?**

6 months

**9. When does the project need to begin?**

Fall 2019 for irrigation and Fall 2020 for bunkers

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Project Manager and Division Director will handle all purchasing requirements and contracts the Golf Course Superintendent with over 20 years experience will each provide technical data for scope of services and will work with contractor on site to insure accurate contract fulfillment

**b. Outside consultant - Describe experience**

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ -	-	-	-	-	-	-
Construction	\$ 1,474,000		1,474,000	-	-	-	-
Furniture, Fixtures & Equipment	\$ -	-	-	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other (Describe)	\$ -	-	-	-	-	-	-
	\$ 1,474,000	\$ -	\$ 1,474,000	\$ -	\$ -	\$ -	\$ -

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

Water resource responsibility is a vital issue facing the golf industry. Golf courses have a responsibility as protected green spaces in watershed districts to integrate highly efficient irrigation technology and practices, and to reinvest in infrastructure that reuses and recycles low quality water. More precise watering techniques will reduce the need for chemical fertilizers and pesticides on the course. Bunker playability is a frequent golfer complaint. Poor bunker conditions drive regular golfers to other courses. Customer surveys from 2014-2016 indicate a loss in potential revenue of up to \$25,000 from golfers not returning to play due to bunker conditions. As with the irrigation system, our ability to be good stewards of the land by properly draining and reusing the water collected in bunkers is essential. Labor can then be allocated to other more pressing projects that improve the quality of play.

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

Irrigation resources are not being used effeciently and as a result the County is wasting a valuable resource. A new system will improve those issues. The bunkers are unplayable and negatively affect the course image and may cause players to seek alternative courses.

**3. What are the positive aspects of the current building and/or site?**

The course is one of the most used courses in the area averaging over 33,000 rounds a year. It is a community gathering place with a storied history. The county entered into a five plus five-year management agreement with Golf Services, Inc. in December 2016.

**4. Who performed the functional analysis? Qualifications?**

Current GCSAA Superintendent at Manitou Ridge Golf Course with over 20 years workinng with Ramsey County.

**5. What other alternatives have been explored? Describe**

There is no viable alternative for the irrigation system or the bunkers. Postponing both life-cycle upgrades will continue to push operating costs up and revenues will decrease in proportion to the quality of play.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

Possibly one year depending on results of DNR appropriations.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

The Superintendent has pushed the life of the irrigation system as far as it can go. Replacement parts are increasingly hard to find while many parts are now obsolete. Bunkers could last 1-2 more years with a \$15,000-\$20,000 investment in new sand. This will not alleviate the drainage problem and there is no alternative for that function of the bunker.

**3. How are current operating costs being affected?**

The existing condition results in performance issues by Golf Services, Inc. which negatively affects the revenue the County recieves.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

The course will continue to decline in playablilty resulting in decreased reveune as golfers choose other courses over Goodrich. The county and course may well be viewed negatively by the many diverse golfers of Manitou Ridge.

**D. IMPACT ON FUTURE OPERATING COSTS**

1. Estimated cost of new staff positions needed. When? Is/will funding be available?

NA

2. Are there any future cost savings?

25% reduction in water usage.

3. Estimated annual maintenance costs:

a. Maintenance/Custodial

N/A

b. Heating/Cooling/Lighting

N/A

4. Are there any federal/state laws mandating increased operating costs?

NA

**E. IMPACT ON FUTURE REVENUES**

1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		-				-	
c. Operating Costs		-				-	
d. Staff Costs		-				-	
e. Replacement		-				-	
f. Debt Costs (bonds)		-				-	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**

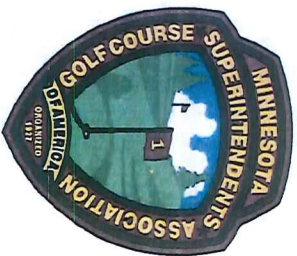


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**Manitou Ridge Golf Course**  
**Irrigation and Bunker Project**  
**Date 1/25/2017**

<b>Base Site Plan Estimate</b>				
Item	Unit	Total Quantity	Unit Price	Total Cost
Mobilization (5%)	LS	1.00	1.00	
Base Irrigation Components		1.00		\$ 1,125,000
Modified double row fairways utilizing HDPE products				
New greens and tee irrigation for precise water applications				
Upgraded central E.T. driven control package				
Weather station for site specific water applications				
Two way pump control package				
HDPE pipe infrastructure with 25-year warranty				
Installation				
<b>Subtotal</b>				<b>\$ 1,125,000</b>
Mobilization (5%)	LS	1.00	1.00	
Sand bunker remodel	EA	28.00	8,000.00	\$ 224,000
<b>Subtotal</b>				<b>\$ 224,000</b>
<b>Sub-Total Project</b>				<b>\$ 1,474,000</b>
<b>Total Project Complete</b>				<b>\$ 1,474,000</b>

**Manitou Irrigation & Bunker Project**  
**Attachment A - Estimate**



MINNESOTA GOLF COURSE  
SUPERINTENDENTS ASSOCIATION



100 Kil Gall  
Current Permit  
Limit

## DNR SETS PROTECTIVE ELEVATION FOR WHITE BEAR LAKE

21 Dec 2016 5:12 PM | [Jack Mackenzie \(Administrator\)](#)

The Minnesota Department of Natural Resources has established a protective elevation for White Bear Lake, located in Ramsey and Washington counties. The protective elevation is 922.0 feet above mean sea level. The current level of White Bear Lake is 922.7 feet. A protective elevation is a regulatory measure used to trigger changes in water appropriations to prevent undue harm to a lake.

"The protective elevation is intended to protect and maintain fish and wildlife habitat and support recreational uses of the lake," according to DNR Assistant Commissioner Barb Naramore. "However, people should understand that a protective elevation is not a fixed level that is maintained or minimum level that is guaranteed. Lake levels are driven by several factors and fluctuate. Indeed, White Bear Lake's long term ecological health depends upon variation in water level within the lake's historic range."

In establishing the protective elevation for the lake, the DNR has considered multiple factors, including:

- Historic record of lake water levels.
- Aquatic vegetation important for fish and wildlife habitat.
- Water quality and clarity.
- Recreational uses, including boat access, navigation, and swimming beaches.
- Area and slope of the lakebed.

When water levels are low on White Bear Lake, there are impacts to some recreational uses. The DNR did not find evidence that periods of low water harm the lakes biology or ecology. In fact, the DNR found that periodic low water levels renew aquatic vegetation, providing important habitat for fish and wildlife. Robust native aquatic vegetation also protects shorelines from erosion due to waves and ice-heaving.

Protective elevations are generally set for lakes that are subject to direct surface water withdrawals. This is the first time the DNR has set a protective elevation for a Minnesota lake to assist in managing the potential impacts of nearby groundwater appropriations. Establishing this protective elevation is the first step in a multi-part process. The DNR will consider how to apply the protective elevation to existing and new groundwater appropriation permits in the area. The first step in this phase is evaluating the impact of groundwater use on White Bear Lake water levels.

For those appropriations demonstrated to have a material effect on lake levels, the DNR will then modify the permits to incorporate the protective elevation. Permit modifications might include implementing use restrictions to help support the protective elevation. Such use restrictions would focus reduction on nonessential use such as lawn watering. Essential residential water use, such as drinking, cooking, and cleaning would not be restricted.

"This is the first protective elevation established by the DNR to manage groundwater use rather than direct surface water appropriations, so we will be exploring how best to apply it," Naramore said.

The DNR is setting the protective elevation in connection with the 2014 settlement agreement among parties to litigation concerning water levels on White Bear Lake. The plaintiffs claim permitted groundwater withdrawals are damaging White Bear Lake. The case is scheduled for trial in March 2017.

In announcing its decision, the DNR emphasized that a protective elevation is not the same as an ordinary high water level (OHW). The OHW is a regulatory term and is defined as the elevation where vegetation transitions from primarily aquatic to primarily upland. It is important to understand that the OHW is not an average water level and is certainly not a goal for water levels. Water levels may occasionally rise above the OHW for relatively brief periods of time, but are below the OHW the large majority of the time. The OHW for White Bear Lake is 924.9 feet above mean sea level. The long-term average water level on White Bear Lake is 923.1 feet and the elevation at the current lake outlet is 924.3 feet.

**Manitou Irrigation & Bunker Project  
Attachment B - DNR Letter**



Example of a broken sprinkler head



Example of turf disruption for repairs to irrigation system.



A golf course bunker that is no longer properly draining rain water



An example of a contaminated bunker as a result of drainage failure



Close up of contamination and unplayable surface in a bunker



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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENTS:** Parks & Recreation

**PROJECT TITLE:** Manitou Ridge Golf Course Irrigation & Bunkers

**COMMENTS:**

“Same concern as Goodrich; it would be nice to assist butterflies but this looks expensive.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Parks and Recreation/660000

**Project Title or**

**Item:** Bituminous Pavement Maintenance Project

**PROJECT DESCRIPTION: (Attach supporting documents.)**

Bituminous repair and replacement is an ongoing need of the Parks and Recreation Department that needs a consistent ongoing funding source. State funding is available for repair and maintenance of parking lots and trails of regional parks, but there is not a similar funding source for county parks, golf courses and arenas bituminous needs. There are 40 acres of parking lots, four miles of county park trails and 5 miles of golf cart paths. These should all be repaired and replaced based on a replacement schedule. Maintenance includes seal coating, crack sealing, mill and overlay, and patching of existing bituminous parking lots, trails, and drive areas. The maintenance needs were assessed in 2014 using the Pacer index rating system to determine life cycle. This request reflects the facilities and the maintenance schedule. This request will include all the backlog of bituminous needs and then annual funding would be required to meet the maintenance schedule. Funding is requested beginning in 2019 and ongoing, as the request for the Aldrich Arena Watermain and Pavement Maintenance project is requested in 2018.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 2,395,938	\$ -	\$ 1,396,485	\$ 260,974	\$ 105,688	\$ 259,512	\$ 373,279
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 2,395,938</b>	<b>\$ -</b>	<b>\$ 1,396,485</b>	<b>\$ 260,974</b>	<b>\$ 105,688</b>	<b>\$ 259,512</b>	<b>\$ 373,279</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager recommends financing this project using bond proceeds of \$1,396,485 in 2019.

MAJOR CIP PROJECTS - QUESTIONS

A. PROJECT DESCRIPTION

1. Is the project a replacement? Major renovation? New development/asset?

This project is a renovation/maintenace of existing facilities with bituminous pavements.

2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?

The sites are located across the County at multiple Parks and Recreation facilities. The sites included in this request are at County Park and Golf Course facilities. Pavements at Regional Parks & Trails are funded through state and other sources.

3. Are there alternative sites?

NA

4. What is the estimated size?

a. Building square footage

NA

b. Acres of land needed

NA

c. Is parking space required? How much?

NA

5. How is the space to be utilized?

Bituminous pavements included here serve as parking lots at golf course clubhouses and driving ranges; in-park trails used for walking, bicycling, and other recreational uses; boat launch parking lots; picnic shelter parking lots; beach parking lots; park and golf course entrance roads; and other miscellaneous paving.

a. Office space square footage

N/A

b. Program space square footage

N/A

**6. How many employees will occupy the space?**

**a. Current Staff**

None

**b. New positions/staff needed**

None

**7. Who provided the cost estimate? When?**

The cost estimate and development concept was provided by Planning and Development staff in January 2017.

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

The cost estimate and development concept was prepared by Scott Yonke, Director of Planning and Development and Brett Blumer, staff landscape architect. Both Scott and Brett are Professional Landscape Architects and have over 15 years each of experience in designing public/private recreation facilities.

**8. For how long is the cost estimate valid?**

The cost estimate has been prepared anticipating construction in 2018. The estimate may need to be updated for years beyond 2018 for current construction pricing. Any estimate updates will be provided by Planning and Development staff.

**9. When does the project need to begin?**

The project is anticipated to begin in 2018

**10. Who will oversee the project?**

**a. County staff - Describe experience**

Project oversight\management will be provided by Scott Yonke, Director of Planning and Development and direct project management tasks for site design and construction management will be provided by Brett Blumer, staff Landscape Architect. Both Scott and Brett are Professional Landscape Architects and have over 15 years each of experience in designing public/private recreation facilities.

**b. Outside consultant - Describe experience**

NA

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 239,593		139,648	26,097	10,569	25,951	37,328
Construction	\$ 2,156,345		1,256,837	234,877	95,119	233,561	335,951
Furniture, Fixtures & Equipment	\$ -	-	-	-	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other: Owner Site Amenity Items							
	\$ 2,395,938	\$ -	\$ 1,396,485	\$ 260,974	\$ 105,688	\$ 259,512	\$ 373,279

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

In 2014, Ramsey County staff conducted a bituminous condition survey using the Paving PASER Index to rate the existing bituminous pavemnts at all parks and recreation facilites in the county. The survey took into account when the facilites were constructed and when the last known maintenace was performed. A lifecycle was then assigned to each pavement, including a schedule for conducting mainatenance. The Projects listed in this request are taken from the survey and encompass the maintenance backlog (pre-2019) as well as scheduled 2019 projects.

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

Failing pavement can damage cars, create hazards for pedestrians and bicyclists. Having a maintenance program for bituminous that is funded based on a maintenance plan and life cycle will eliminate damage and accidents. It will also extend the overall life span of the pavement.

**3. What are the positive aspects of the current building and/or site?**

N/A

**4. Who performed the functional analysis? Qualifications?**

The functional analysis has been completed by Planning and Development staff.

**5. What other alternatives have been explored? Describe**

N/A

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

If the projects are not funded, the bituminous condition will worsen and the mainetenance type to fix the pavement issues will become more intrusive and require more funding. The County's image will suffer as a result of not being able to provide clean, safe, well-maintained facilities.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

N/A

**3. How are current operating costs being affected?**

Deteriorating pavements which pose a safety risk are temporarily patched by staff and/or contractors, which is costly, labor-intensive and only provides temporary relief. By investing in bituminous maintenance according to accepted life cycles and condition rating practices, maintenance and operations staff will be able to focus on more value-added tasks and projects.

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

Further maintenance costs. Additionally, with the amount of bituminous under Department management, by not committing consisting funding to maintenance, the backlog of projects increases, which has a negative impact on capital needs in future needs.

**D. IMPACT ON FUTURE OPERATING COSTS**

**1. Estimated cost of new staff positions needed. When? Is/will funding be available?**

The project will not require additional staff positions.

**2. Are there any future cost savings?**

Completeing regular pavement maintenace will extend the life cycle of the pavement.

**3. Estimated annual maintenance costs:**

**a. Maintenance/Custodial**

**b. Heating/Cooling/Lighting**

NA

**4. Are there any federal/state laws mandating increased operating costs?**

NA

**E. IMPACT ON FUTURE REVENUES**

**1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:**

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		\$ -				\$ -	
c. Operating Costs		\$ -				\$ -	
d. Staff Costs		\$ -				\$ -	
e. Replacement		\$ -				\$ -	
f. Debt Costs (bonds)		\$ -				\$ -	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**



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Segment Id	Facility Type	Name	Classification	Cycle	Approx. Size in SF	Trail/Rd Length LF	Year Built	Last maint. Year	2014 Paser index	Total Replacement	Backlog	2019	2020	2021	2022	2023
<b>Arenas, Golf, and Administration</b>																
A1	Arena	Aldrich	parking lot	5	354,860		1960	2013	7	\$ 1,774,300.00						
A2	Arena	Biff Adams	parking lot	5	28,136		1973	2009	5	\$ 140,680.00						
A6	Arena	Ken Yackel-West Side	parking lot	5	17,960		1973	2009	4	\$ 89,800.00				\$89,800.00		
A8	Arena	Pleasant	parking lot	5	34,537		1973	2009	4	\$ 172,685.00					\$172,685.00	
A9	Arena	Shoreview	parking lot	5	40,784		1971	2009	10	\$ 203,920.00						
A10	Arena	Vadnais Sports Center	parking lot	5	195,497		2010		7	\$ 977,485.00						
A11	Arena	White Bear	parking lot	5	33,000		1972			\$ 165,000.00						
GD1	Golf Course	Goodrich main parking lot	parking lot	5	35,841		2001	2008	7	\$ 179,205.00		\$23,296.65				
GD2	Golf Course	Goodrich cart lot	parking lot	5	2,568		2001	2008	7	\$ 12,840.00		\$1,669.20				
GD3	Golf Course	Goodrich Clubhouse - 1st Tee - 18 - PG - 10Tee	cart paths	6		1,429	1995	2011		\$ 35,725.00	\$5,716.00				\$5,716.00	
	Golf Course	Goodrich - 9Tee to 8Tee	cart paths	6		700	1995	2008		\$ 17,500.00				\$2,800.00		
	Golf Course	Goodrich - 10Green to 11Tee	cart paths	6		80	1995	2008		\$ 2,000.00				\$320.00		
	Golf Course	Goodrich - 17Green to 18Tee	cart paths	6		498	1995	2011		\$ 12,450.00	\$1,992.00				\$1,992.00	
	Golf Course	Goodrich - 13Green to 14Tee	cart paths	6		290	1995	2008		\$ 7,250.00				\$1,160.00		
	Golf Course	Goodrich - 1Green to 2Tee	cart paths	6		590	1995	2008		\$ 14,750.00				\$2,360.00		
	Golf Course	Goodrich - 3Green to 4Tee	cart paths	6		257	1995	2008		\$ 6,425.00				\$1,028.00		
	Golf Course	Goodrich - 4Green to 5Tee	cart paths	6		190	1995	2008		\$ 4,750.00				\$760.00		
	Golf Course	Goodrich - 6Green to 7Tee	cart paths	6		520	1995	2008		\$ 13,000.00				\$2,080.00		
	Golf Course	Goodrich - 5Green to 6Tee	cart paths	6		385	1995	2008		\$ 9,625.00				\$1,540.00		
	Golf Course	Goodrich - 6TW - 6Tee	cart paths	6		215	1995	2008		\$ 5,375.00				\$860.00		
	Golf Course	Goodrich - 14Green to 15Tee	cart paths	6		370	1995	2011		\$ 9,250.00	\$1,480.00				\$1,480.00	
	Golf Course	Goodrich - 7Green to 8Tee	cart paths	6		140	1995	2008		\$ 3,500.00				\$560.00		
	Golf Course	Goodrich - 12Green to 13Tee	cart paths	6		80	1995	2008		\$ 2,000.00				\$320.00		
	Golf Course	Goodrich - 11Green to 12Tee	cart paths	6		275	1995	2008		\$ 6,875.00				\$1,100.00		
	Golf Course	Goodrich - 17Green to 16Green	cart paths	6		900	1995	2011		\$ 22,500.00	\$3,600.00				\$3,600.00	
	Golf Course	Goodrich - 15Green to 16Tee	cart paths	6		250	1995	2008		\$ 6,250.00				\$1,000.00		
	Golf Course	Island Lake	parking lot	5						\$ -						
	Golf Course	Island Lake	cart paths	6						\$ -						
KG1	Golf Course	Keller - Clubhouse main	parking lot	5	72,959		2013		10	\$ 364,795.00	\$47,423.35					\$47,423.35
KG2	Golf Course	Keller - Clubhouse lower	parking lot	5	11,479		2013		10	\$ 57,395.00	\$7,461.35					\$7,461.35
KG3	Golf Course	Keller - Overflow	parking lot	5	24,522		2013		10	\$ 122,610.00	\$15,939.30					\$15,939.30
KG4	Golf Course	Keller - Driving range lot and drive	parking lot	5	10,013		1980		4	\$ 50,065.00	\$40,000.00				\$6,508.45	
KG5	Golf Course	Keller - Maintenance	parking lot	5	22,887		2002		6	\$ 114,435.00			\$14,876.55			
KG6	Golf Course	Keller - Maintenance	park road	5	20,525		2002		7	\$ 102,625.00			\$13,341.25			
KG7	Golf Course	Keller - Entrance	park road	5	17,633		1990	2007	8	\$ 88,165.00			\$11,461.45			
KG8	Golf Course	Keller - cart paths	cart paths	6		18,723	2013		10	\$ 468,075.00		\$74,892.00				
MT1	Golf Course	Manitou - Main	parking lot	5	63,870			2002	10	\$ 319,350.00	\$127,740.00				\$41,515.50	
MT2	Golf Course	Manitou - Overflow	parking lot	5					10	\$ -						
MT3	Golf Course	Manitou - Entrance	park road	5	23,870			2005		\$ 119,350.00	\$47,740.00				\$15,515.50	
MT4	Golf Course	Manitou	cart paths	6				2013		\$ -						
PD1	Golf Course	The Ponds - Maintenance yard	parking lot	5	10,607		2007		8	\$ 53,035.00			\$6,894.55			
PD2	Golf Course	The Ponds - Cart Lot	parking lot	5	3,155		2002		8	\$ 15,775.00			\$2,050.75			
PD3	Golf Course	The Ponds - Parking Lot and entrance rd	parking lot	5	35,877		2002		7	\$ 179,385.00		\$23,320.05				
PD4	Golf Course	The Ponds - 1Tee	cart paths	6		393	2002	2003		\$ 9,825.00			\$1,572.00			
	Golf Course	The Ponds - 1Green to 3Tee	cart paths	6		1,456	2002	2003		\$ 36,400.00			\$5,824.00			
	Golf Course	The Ponds - 3Green to 5Tee	cart paths	6		2,611	2002	2003		\$ 65,275.00			\$10,444.00			
	Golf Course	The Ponds - 5Green to 7Tee	cart paths	6		1,611	2002	2003		\$ 40,275.00			\$6,444.00			
	Golf Course	The Ponds - 7Green to 9Tee	cart paths	6		1,430	2002	2003		\$ 35,750.00			\$5,720.00			
	Golf Course	The Ponds - 9Green to Clubhouse	cart paths	6		289	2002	2003		\$ 7,225.00			\$1,156.00			
PD5	Golf Course	The Ponds - PG and Range	cart paths	6		1,078	2002	2003		\$ 26,950.00			\$4,312.00			
PK1	Regional	Admin Bldg - East Yard	parking lot	5	40,899		1985	2015	10	\$ 204,495.00			\$122,697.00			
PK2		Admin Bldg - West Lot	parking lot	5	14,058		1985	2012	10	\$ 70,290.00	\$9,137.70				\$9,137.70	
PK3		Admin Bldg - Front Lot	parking lot	5	2,096		1985	2012	10	\$ 10,480.00	\$1,362.40				\$1,362.40	
<b>County Parks</b>																
BV1	County	Beaver Lake	parking lot	5	12,989		1990	2010	7	\$ 64,945.00		\$38,967.00				
BV2	County	Beaver Lake	in park trail	6		4,984	2000		7	\$ 124,600.00	\$19,936.00					\$19,936.00
IS1	County	Island Lake - Shelter 1 lot	parking lot	5	47,040		1990	2013	8	\$ 235,200.00	\$94,080.00					\$94,080.00
IS2	County	Island Lake - Shelter 2 lot	parking lot	5	30,816		1990	2013	8	\$ 154,080.00	\$61,632.00					\$61,632.00
IS3	County	Island Lake - Shelter 3 lot	parking lot	5	16,166		1990	2013	8	\$ 80,830.00	\$32,332.00					\$32,332.00
IS4	County	Island Lake - Park road	park road	5	36,473		1990	2013	7	\$ 182,365.00	\$72,946.00					\$72,946.00
IS5	County	Island Lake - Boat Launch road	park road	5	24,771		1990	2013	7	\$ 123,855.00	\$49,542.00					\$49,542.00
IS6	County	Island Lake - Boat launch lot	parking lot	5	9,673		1990	2013	7	\$ 48,365.00	\$19,346.00					\$19,346.00
IS7	County	Island Lake - Trails east side of lake	in park trail	6		5,320	2012		8	\$ 133,000.00	\$21,280.00					\$21,280.00
IS8	County	Island Lake - Trail west side of lake	in park trail	6		3,414	2010		8	\$ 85,350.00		\$13,656.00				\$13,656.00
LG1	County	Lake Gervais - Parking lot	parking lot	5	33,880		2003	2011	8	\$ 169,400.00			\$22,022.00			
LG2	County	Lake Gervais - Entrance road	park road	5	13,598		2003		8	\$ 67,990.00			\$8,838.70			
LG3	County	Lake Gervais - Trail	in park trail	6		1,308	2003		7	\$ 32,700.00	\$5,232.00					\$5,232.00
LJ1	County	Lake Josephine - Beach lot	parking lot	5	38,536		2005	2011	7	\$ 192,680.00	\$25,048.40					\$25,048.40
LJ2	County	Lake Josephine - Overflow lot	parking lot	5	8,084		1990	2011	7	\$ 40,420.00		\$16,168.00				
LJ3	County	Lake Josephine - Boat launch lot	parking lot	5	17,544		1990	2011	7	\$ 87,720.00		\$35,088.00				
LJ4	County	Lake Josephine- Fishing Pier Trail	in park trail	6		110	2016		6	\$ 8,800.00						

LJ5	County	Lake Josephine - Park road	park road	5	7,903		1990		6	\$ 39,515.00	\$15,806.00					
LJ6	County	Lake Josephine- Trails	in park trail	6		360	2005		6	\$ 9,000.00	\$1,440.00					
LM1	County	Lake McCarrons - Beach lot	parking lot	5	60,320		1997	2011	6	\$ 301,600.00	\$39,208.00					\$39,208.00
LM2	County	Lake McCarrons - Boat launch lot	parking lot	5	8,546		1970	1998	6	\$ 42,730.00	\$17,092.00					\$5,554.90
LM3	County	Lake McCarrons - Trails	in park trail	6		1,457	2012		9	\$ 36,425.00	\$5,828.00					\$5,828.00
LO1	County	Lake Owasso-Wabasso - Boat launch lot - Owasso	parking lot	5	8,613		1970	2011			\$43,065.00					
LO2	County	Lake Owasso-Wabasso - Boat launch lot - Wabasso	parking lot	5			2008	2008								
LO3	County	Lake Owasso-Wabasso - Trailer overflow lot - Owasso	parking lot	5			1970	2006								
LO4	County	Lake Owasso-Wabasso - Beach lot - Owasso	parking lot	5			1970									
LO5	County	Lake Owasso-Wabasso - Picnic lot - Wabasso	parking lot	5			2008									
LO6	County	Lake Owasso-Wabasso - Trails	in park trail	6			2008									
TL1	County	Turtle Lake - Entrance road	park road	5	18,020		1996	2012	9	\$ 90,100.00		\$11,713.00				
TL2	County	Turtle Lake - Upper picnic lot	parking lot	5	19,174		1970	2012	9	\$ 95,870.00		\$12,463.10				
TL3	County	Turtle Lake - Lower beach lot	parking lot	5	22,573		1970	2012	9	\$ 112,865.00		\$14,672.45				
TL4	County	Turtle Lake - Boat Launch lot	parking lot	5	28,041		1987	2013	8	\$ 140,205.00	\$56,082.00					\$18,226.65
TL5	County	Turtle Lake - Trails	in park trail	6		1,357	2012		10	\$ 33,925.00	\$5,428.00					\$5,428.00
WB1	County	White Bear Lake - Beach lot	parking lot	5	96,611		1980	2010	6	\$ 483,055.00	\$193,222.00					\$62,797.15
WB2	County	White Bear Lake - Boat launch lot	parking lot	5	48,692		2009		7	\$ 243,460.00		\$31,649.80				
WB3	County	White Bear Lake - Trails	in park trails	6		1,132	2012		9	\$ 28,300.00	\$4,528.00					\$4,528.00
<b>Special Facilities</b>																
WV1	County	Woodview OLDA	parking lot	5	7,804		2000		7	\$ 39,020.00		\$5,072.60				
WV2	County	Woodview OLDA	in park trail	6		1,612	2000		7	\$ 40,300.00	\$6,448.00					
MD1	County	Marsden Archery Range	parking lot	5	9,032		1985		6	\$ 45,160.00	\$18,064.00					
											<b>\$1,117,178</b>	<b>\$279,308</b>	<b>\$260,974</b>	<b>\$105,688</b>	<b>\$259,513</b>	<b>\$373,279</b>

2018/19 Total **\$1,396,485**

# PAVER Asphalt Roads Maintenance

RATING  
**10**



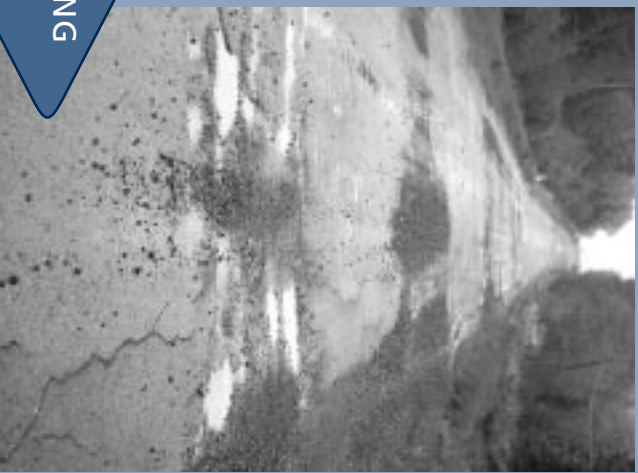
RATING  
**7**



RATING  
**4**



RATING  
**1**



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This manual is intended to assist local officials in understanding and rating the surface condition of asphalt pavement. It describes types of defects and provides a simple system to visually rate pavement condition. The rating procedure can be used as condition data for the Wisconsin DOT local road inventory and as part of a computerized pavement management system like PASTERWARE.

The PASTER system described here and in other T.I.C. publications is based in part on a roadway management system originally developed by Phil Scherer, transportation planner, Northwest Wisconsin Regional Planning Commission.

Produced by the T.I.C. with support from the Federal Highway Administration, the Wisconsin Department of Transportation, and the University of Wisconsin-Extension. The T.I.C., part of the nationwide Local Technical Assistance Program (LTAP), is a Center of the College of Engineering. Department of Engineering Professional Development, University of Wisconsin–Madison.

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Printed on recycled paper.

*Pavement Surface Evaluation and Rating*

# **PAVER** **Asphalt Roads** **Maintenance**

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## *Pavement Surface Evaluation and Rating*

# **Asphalt PASER Manual**

A local highway agency's major goal is to use public funds to provide a comfortable, safe and economical road surface—no simple task. It requires balancing priorities and making difficult decisions in order to manage pavements. Local rural and small city pavements are often managed informally, based on the staff's judgment and experience. While this process is both important and functional, using a slightly more formalized technique can make it easier to manage pavements effectively.

Experience has shown that there are three especially useful steps in managing local roads:

1. Inventory all local roads and streets.
2. Periodically evaluate the condition of all pavements.
3. Use the condition evaluations to set priorities for projects and select alternative treatments.

A comprehensive pavement management system involves collecting data and assessing several road characteristics: roughness (ride), surface distress (condition), surface skid characteristics, and structure (pavement strength and deflection). Planners can combine this condition data with economic analysis to develop short-range and long-range plans for a variety of budget levels. However, many local agencies lack the resources for such a full-scale system.

Since surface condition is the most vital element in any pavement management system, local agencies can use the simplified rating system presented in this *Asphalt PASER Manual* to evaluate their roads. The PASER ratings combined with other inventory data (width, length, shoulder, pavement type, etc.) from the WisDOT local roads inventory (WISLR) can be very helpful in planning future budgets and priorities.

WISLR inventory information and PASER ratings can be used in a computerized pavement management system, PASERWARE, developed by the T.I.C and WisDOT. Local officials can use PASERWARE to evaluate whether their annual road budgets are adequate to maintain or improve current road conditions and to select the most cost-effective strategies and priorities for annual projects.

PASER Manuals for gravel, concrete, and other road surfaces, with compatible rating systems are also available (page 29). Together they make a comprehensive condition rating method for all road types. PASER ratings are accepted for WISLR condition data.

## *Asphalt pavement distress*

PASER uses visual inspection to evaluate pavement surface conditions. The key to a useful evaluation is identifying different types of pavement distress and linking them to a cause. Understanding the cause for current conditions is extremely important in selecting an appropriate maintenance or rehabilitation technique.

There are four major categories of common asphalt pavement surface distress:

### **Surface defects**

Raveling, flushing, polishing.

### **Surface deformation**

Rutting, distortion—ripping and shoving, settling, frost heave.

### **Cracks**

Transverse, reflection, slippage, longitudinal, block, and alligator cracks.

### **Patches and potholes**

Deterioration has two general causes: environmental due to weathering and aging, and structural caused by repeated traffic loadings.

Obviously, most pavement deterioration results from both environmental and structural causes. However, it is important to try to distinguish between the two in order to select the most effective rehabilitation techniques.

The rate at which pavement deteriorates depends on its environment, traffic loading conditions, original construction quality, and interim maintenance procedures. Poor quality materials or poor construction procedures can significantly reduce the life of a pavement. As a result, two pavements constructed at the same time may have significantly different lives, or certain portions of a pavement may deteriorate more rapidly than others. On the other hand, timely and effective maintenance can extend a pavement's life. Crack sealing and seal coating can reduce the effect of moisture in aging of asphalt pavement.

With all of these variables, it is easy to see why pavements deteriorate at various rates and why we find them in various stages of disrepair. Recognizing defects and understanding their causes helps us rate pavement condition and select cost-effective repairs. The pavement defects shown on the following pages provide a background for this process.

Periodic inspection is necessary to provide current and useful evaluation data. It is recommended that PASER ratings be updated every two years, and an annual update is even better.



## SURFACE DEFECTS

### Raveling

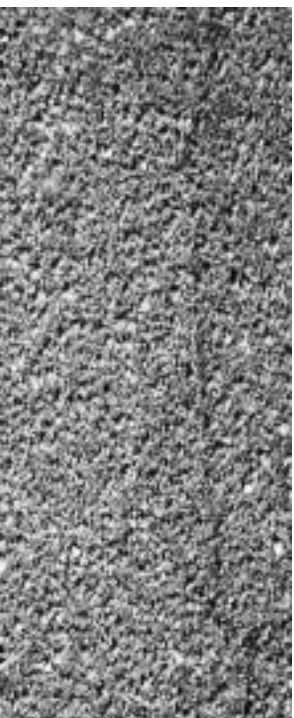
Raveling is progressive loss of pavement material from the surface downward, caused by: stripping of the bituminous film from the aggregate, asphalt hardening due to aging, poor compaction especially in cold weather construction, or insufficient asphalt content. Slight to moderate raveling has loss of fines. Severe raveling has loss of coarse aggregate. Raveling in the wheelpaths can be accelerated by traffic. Protect pavement surfaces from the environment with a sealcoat or a thin overlay if additional strength is required.

### Flushing

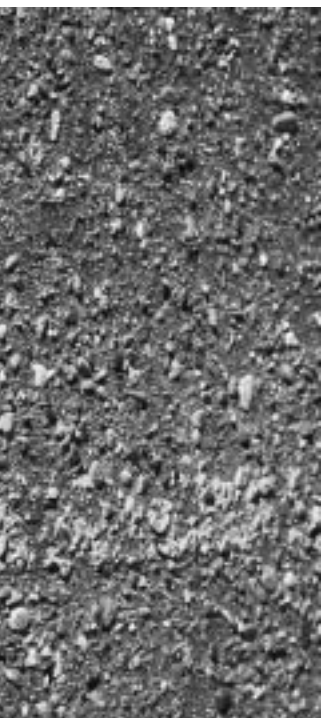
Flushing is excess asphalt on the surface caused by a poor initial asphalt mix design or by paving or sealcoating over a flushed surface. Repair by blotting with sand or by overlaying with properly designed asphalt mix.

### Polishing

Polishing is a smooth slippery surface caused by traffic wearing off sharp edges of aggregates. Repair with sealcoat or thin bituminous overlay using skid-resistant aggregate.



▶ Slight raveling. Small aggregate particles have worn away exposing tops of large aggregate.



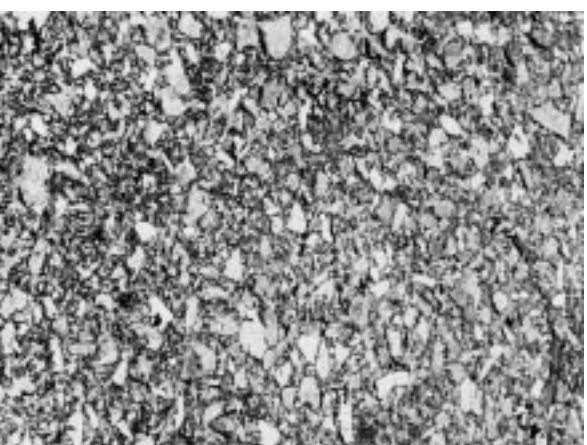
▶ Moderate to severe raveling. Erosion further exposes large aggregate.



▶ Severe raveling and loss of surface material.



▶ Flushing. Dark patches show where asphalt has worked to surface.



▶ Polished, worn aggregate needs repair.

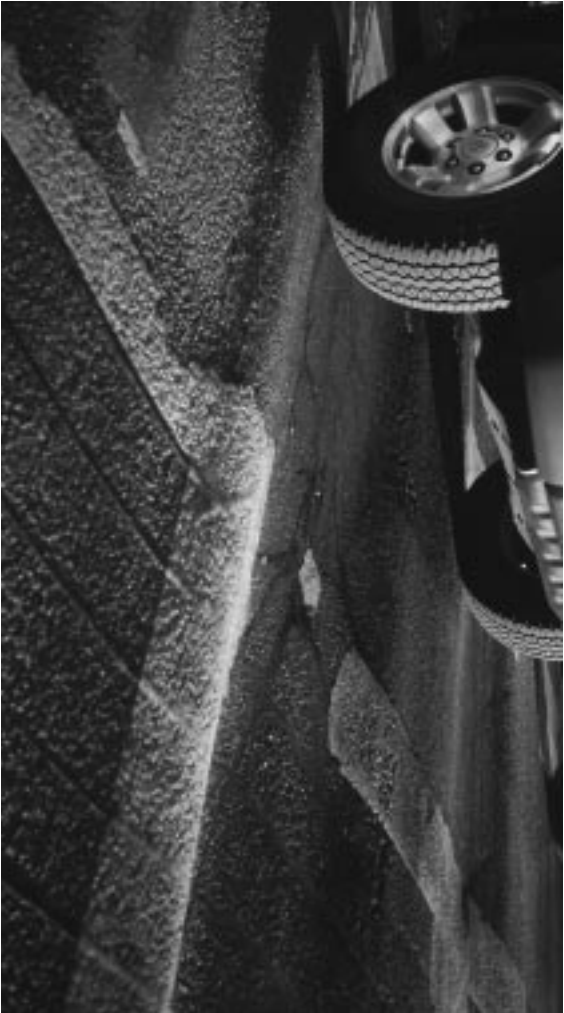
**SURFACE DEFORMATION**

*Rutting*

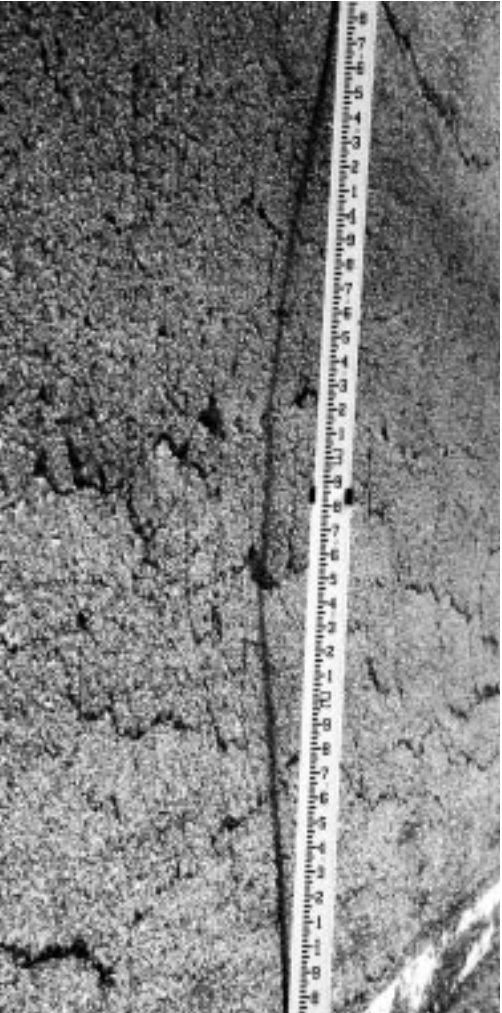
Rutting is displacement of material, creating channels in wheelpaths. It is caused by traffic compaction or displacement of unstable material. Severe rutting (over 2") may be caused by base or subgrade consolidation. Repair minor rutting with overlays. Severe rutting requires milling the old surface or reconstructing the roadbed before resurfacing.



▶ Even slight rutting is evident after a rain.



▶ Severe rutting over 2" caused by poor mix design.

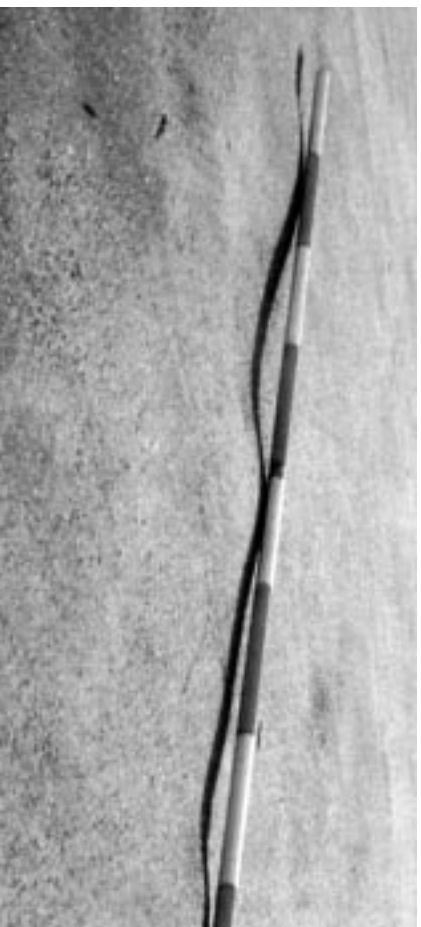


▶ Severe rutting caused by poor base or subgrade.

## *Distortion*

Shoving or rippling is surfacing material displaced crossways to the direction of traffic. It can develop into washboarding when the asphalt mixture is unstable because of poor quality aggregate or improper mix design. Repair by milling smooth and overlaying with stable asphalt mix.

Other pavement distortions may be caused by settling, frost heave, etc. Patching may provide temporary repair. Permanent correction usually involves removal of unsuitable subgrade material and reconstruction.



▶ Heavy traffic has shoved pavement into washboard ripples and bumps.



▶ Severe settling from utility trench.



▶ Frost heave damage from spring break-up.

## CRACKS

### *Transverse cracks*

A crack at approximately right angles to the center line is a transverse crack. They are often regularly spaced. The cause is movement due to temperature changes and hardening of the asphalt with aging.

Transverse cracks will initially be widely spaced (over 50'). Additional cracking will occur with aging until they are closely spaced (within several feet). These usually begin as hairline or very narrow cracks; with aging they widen. If not properly sealed and maintained, secondary or multiple cracks develop parallel to the initial crack. The crack edges can further deteriorate by raveling and eroding the adjacent pavement.

Prevent water intrusion and damage by sealing cracks which are more than 1/4" wide.

▼ Widely spaced, well-sealed cracks.



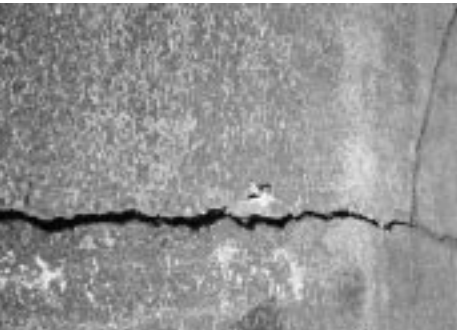
▲ Sealed cracks, a few feet apart.



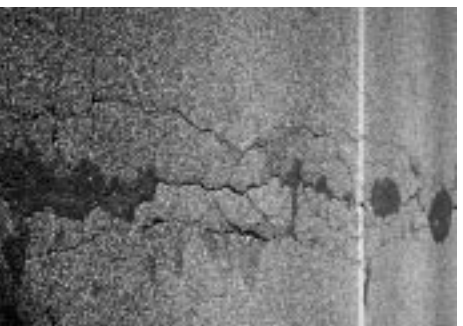
▲ Tight cracks less than 1/4" in width.



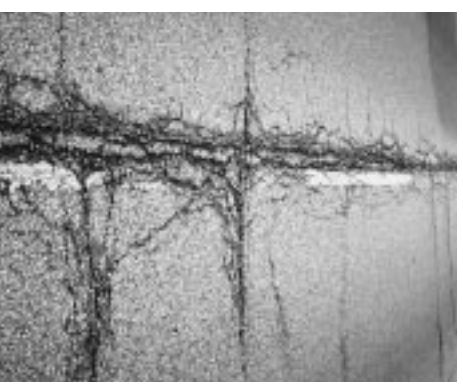
▲ Open crack – 1/2" or more in width.



▲ Water enters unsealed cracks softening pavement and causing secondary cracks.



▲ Pavement travels and erodes along open cracks causing deterioration.



### Reflection cracks

Cracks in overlays reflect the crack pattern in the pavement underneath. They are difficult to prevent and correct. Thick overlays or reconstruction is usually required.



▶ Concrete joints reflected through bituminous overlay.

### Slippage cracks

Crescent or rounded cracks in the direction of traffic, caused by slippage between an overlay and an underlying pavement. Slippage is most likely to occur at intersections where traffic is stopping and starting. Repair is removing the top surface and resurfacing using a tack coat.

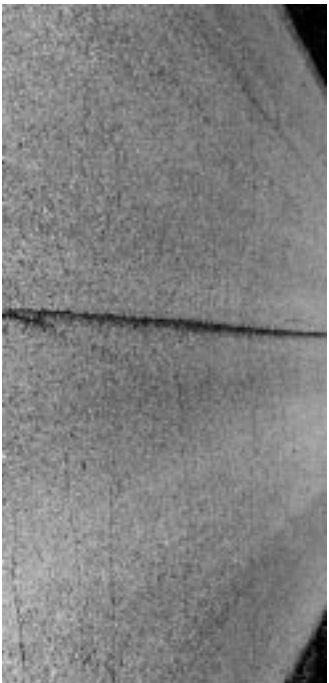


▶ Crescent-shaped cracks characteristic of slippage.

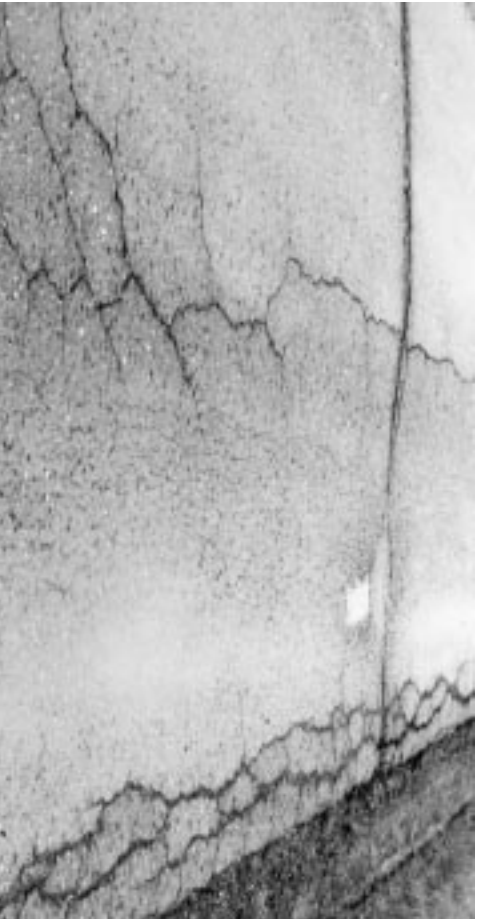


▶ Loss of bond between pavement layers allows traffic to break loose pieces of surface.

**Centerline crack  
(still tight).**



**Edge cracking  
from weakened  
subbase and  
traffic loads.**



### *Longitudinal cracks*

Cracks running in the direction of traffic are longitudinal cracks. Center line or lane cracks are caused by inadequate bonding during construction or reflect cracks in underlying pavement. Longitudinal cracks in the wheel path indicate fatigue failure from heavy vehicle loads. Cracks within one foot of the edge are caused by insufficient shoulder support, poor drainage, or frost action. Cracks usually start as hairline or very narrow and widen and erode with age.

Without crack filling, they can ravel, develop multiple cracks, and become wide enough to require patching.

Filling and sealing cracks will reduce moisture penetration and prevent further subgrade weakening. Multiple longitudinal cracks in the wheel path or pavement edge indicate a need for strengthening with an overlay or reconstruction.

**First stage  
of wheelpath  
cracking caused by  
heavy traffic loads.**



**Load-related cracks  
in wheel path plus  
centerline cracking.**



**Multiple open  
cracks at center  
line, wheelpaths  
and lane center.**



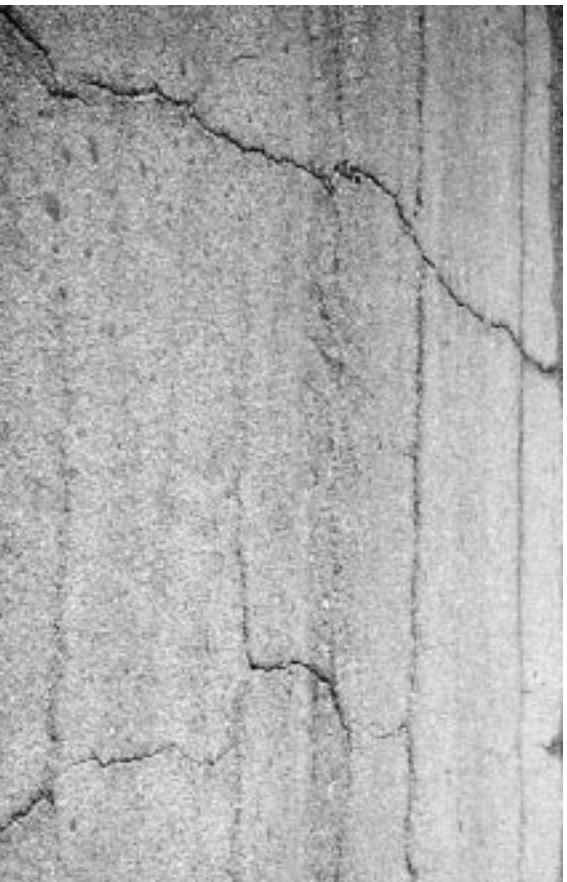
## Block cracks

Block cracking is interconnected cracks forming large blocks. Cracks usually intersect at nearly right angles. Blocks may range from one foot to approximately 10' or more across. The closer spacing indicates more advanced aging caused by shrinking and hardening of the asphalt over time. Repair with sealcoating during early stages to reduce weathering of the asphalt. Overlay or reconstruction required in the advanced stages.

▶ **Large blocks, approximately 10' across.**



▶ **Intermediate-size block cracking, 1'-5' across with open cracks.**



▶ **Extensive block cracking in an irregular pattern.**

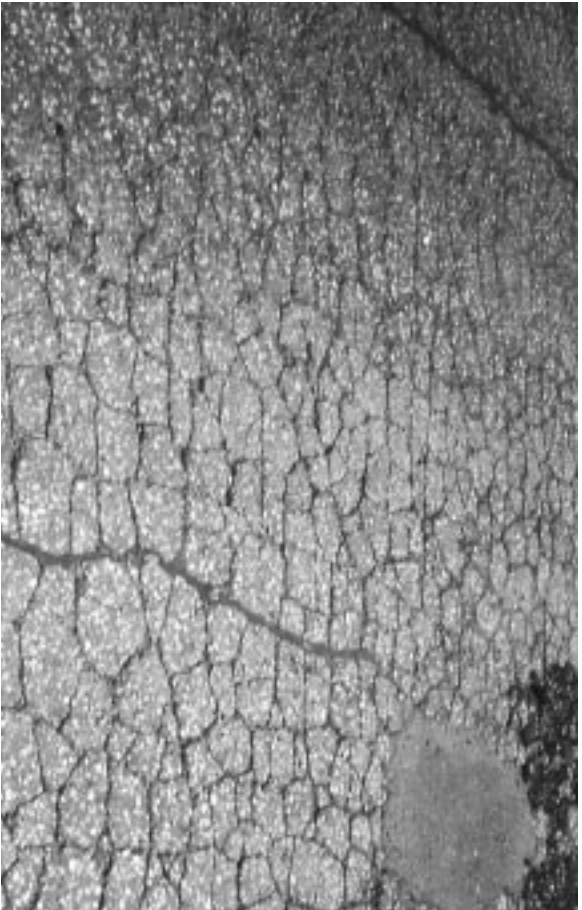


▶ **Severe block cracking – 1' or smaller blocks. Tight cracks with no raveling.**

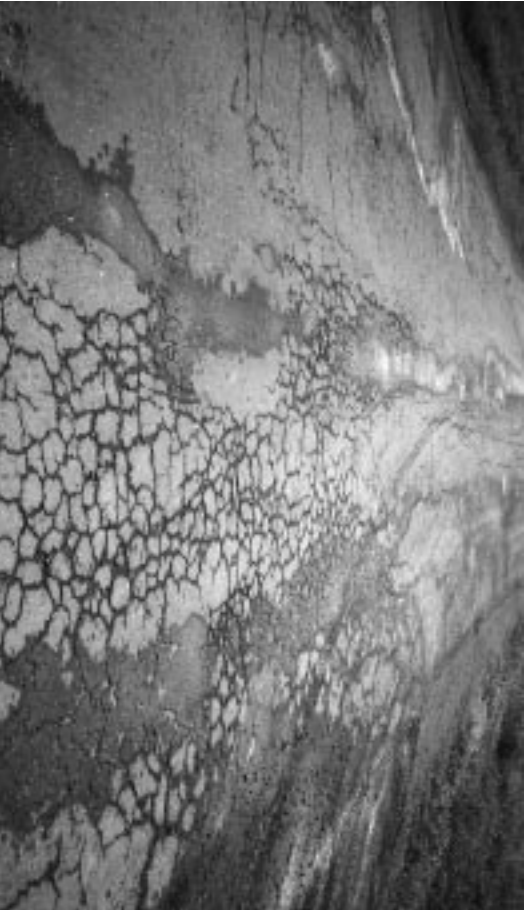


### *Alligator cracks*

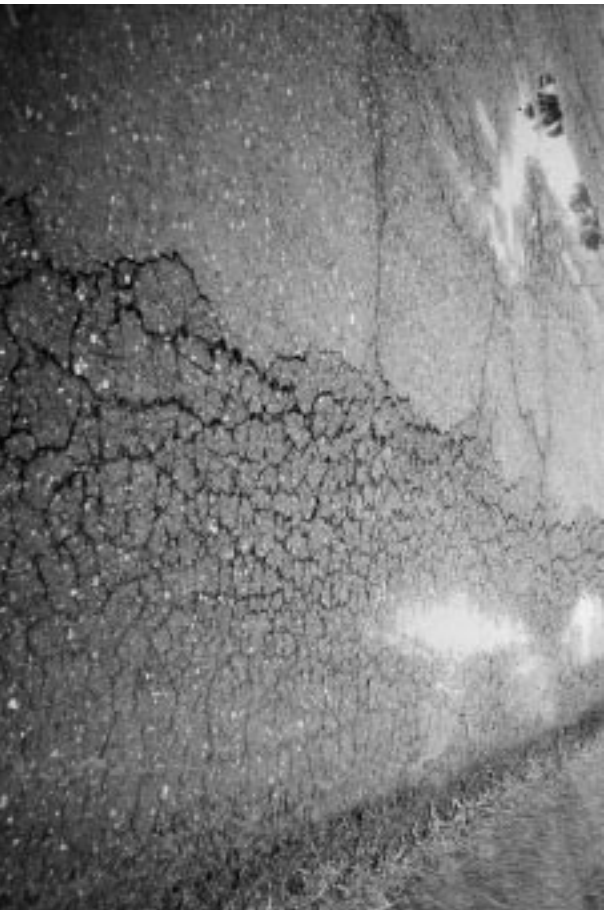
Interconnected cracks forming small pieces ranging in size from about 1" to 6". This is caused by failure of the surfacing due to traffic loading (fatigue) and very often also due to inadequate base or subgrade support. Repair by excavating localized areas and replacing base and surface. Large areas require reconstruction. Improvements in drainage may often be required.



▶ **Alligator crack pattern. Tight cracks and one patch.**



▶ **Characteristic "chicken wire" crack pattern shows smaller pavement pieces and patching.**



▶ **Open raveled alligator cracking with settlement along lane edge most likely due to very soft subgrade.**



## PATCHES AND POTHOLES

### Patches

Original surface repaired with new asphalt patch material. This indicates a pavement defect or utility excavation which has been repaired. Patches with cracking, settlement or distortions indicate underlying causes still remain. Recycling or reconstruction are required when extensive patching shows distress.

▶ **Typical repair of utility excavation. Patch in fair to good condition.**



▶ **Edge wedging. Pavement edges strengthened with wedges of asphalt. Patch is in very good condition.**



▶ **Extensive patching in very poor condition.**



## *Potholes*

Holes and loss of pavement material caused by traffic loading, fatigue and inadequate strength. Often combined with poor drainage. Repair by excavating or rebuilding localized potholes. Reconstruction required for extensive defects.



▶ **Small pothole**  
where top course  
has broken away.



▶ **Multiple potholes**  
show pavement  
failure, probably  
due to poor  
subgrade soils,  
frost heave, and  
bad drainage.



▶ **Large, isolated**  
pothole, extends  
through base.  
Note adjacent  
alligator cracks  
which commonly  
deteriorate into  
potholes.

## Rating pavement surface condition

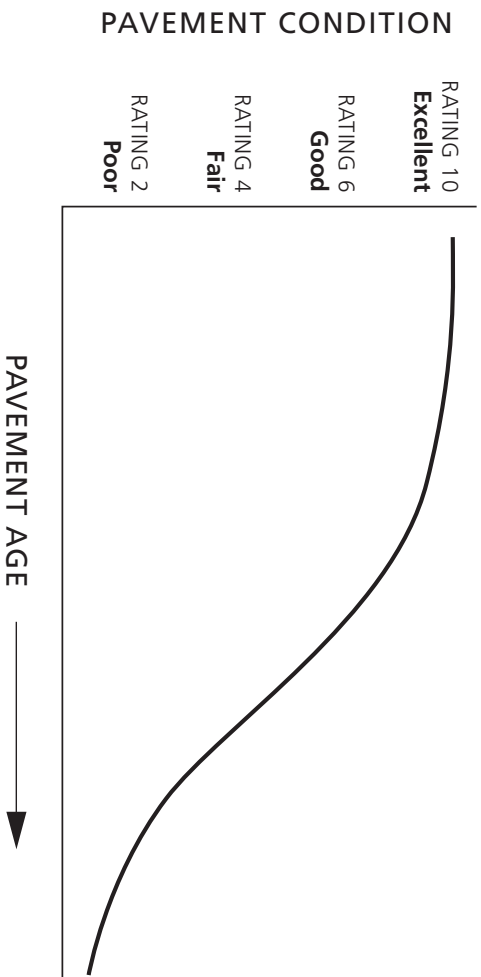
With an understanding of surface distress, you can evaluate and rate asphalt pavement surfaces. The rating scale ranges from **10—excellent** condition to **1—failed**. Most pavements will deteriorate through the phases listed in the rating scale. The time it takes to go from excellent condition (10) to complete failure (1) depends largely on the quality of the original construction and the amount of heavy traffic loading.

Once significant deterioration begins, it is common to see pavement decline rapidly. This is usually due to a combination of loading and the effects of additional moisture. As a pavement ages and additional cracking develops, more moisture can enter the pavement and accelerate the rate of deterioration.

Look at the photographs in this section to become familiar with the descriptions of the individual rating categories. To evaluate an individual pavement segment, first determine its general condition. Is it relatively new,

toward the top end of the scale? In very poor condition and at the bottom of the scale? Or somewhere in between? Next, think generally about the appropriate maintenance method. Use the rating categories outlined below.

Finally, review the individual pavement distress and select the appropriate surface rating. Individual pavements will **not** have all of the types of distress listed for any particular rating. They may have only one or two types.



### RATINGS ARE RELATED TO NEEDED MAINTENANCE OR REPAIR

<b>Rating 9 &amp; 10</b>	No maintenance required
<b>Rating 8</b>	Little or no maintenance
<b>Rating 7</b>	Routine maintenance, cracksealing and minor patching
<b>Rating 5 &amp; 6</b>	Preservative treatments (sealcoating)
<b>Rating 3 &amp; 4</b>	Structural improvement and leveling (overlay or recycling)
<b>Rating 1 &amp; 2</b>	Reconstruction

In addition to indicating the surface condition of a road, a given rating also includes a recommendation for needed maintenance or repair. This feature of the rating system facilitates its use and enhances its value as a tool in ongoing road maintenance.

## Rating system

Surface rating	Visible distress*	General condition/ treatment measures
<b>10</b> Excellent	None.	New construction.
<b>9</b> Excellent	None.	Recent overlay. Like new.
<b>8</b> Very Good	No longitudinal cracks except reflection of paving joints. Occasional transverse cracks, widely spaced (40' or greater). All cracks sealed or tight (open less than 1/4").	Recent sealcoat or new cold mix. Little or no maintenance required.
<b>7</b> Good	Very slight or no raveling, surface shows some traffic wear. Longitudinal cracks (open 1/4") due to reflection or paving joints. Transverse cracks (open 1/4") spaced 10' or more apart, little or slight crack raveling. No patching or very few patches in excellent condition.	First signs of aging. Maintain with routine crack filling.
<b>6</b> Good	Slight raveling (loss of fines) and traffic wear. Longitudinal cracks (open 1/4" – 1/2"), some spaced less than 10'. First sign of block cracking. Slight to moderate flushing or polishing. Occasional patching in good condition.	Shows signs of aging. Sound structural condition. Could extend life with sealcoat.
<b>5</b> Fair	Moderate to severe raveling (loss of fine and coarse aggregate). Longitudinal and transverse cracks (open 1/2") show first signs of slight raveling and secondary cracks. First signs of longitudinal cracks near pavement edge. Block cracking up to 50% of surface. Extensive to severe flushing or polishing. Some patching or edge wedging in good condition.	Surface aging. Sound structural condition. Needs sealcoat or thin non-structural overlay (less than 2")
<b>4</b> Fair	Severe surface raveling. Multiple longitudinal and transverse cracking with slight raveling. Longitudinal cracking in wheel path. Block cracking (over 50% of surface). Patching in fair condition. Slight rutting or distortions (1/2" deep or less).	Significant aging and first signs of need for strengthening. Would benefit from a structural overlay (2" or more).
<b>3</b> Poor	Closely spaced longitudinal and transverse cracks often showing raveling and crack erosion. Severe block cracking. Some alligator cracking (less than 25% of surface). Patches in fair to poor condition. Moderate rutting or distortion (1" or 2" deep). Occasional potholes.	Needs patching and repair prior to major overlay. Milling and removal of deterioration extends the life of overlay.
<b>2</b> Very Poor	Alligator cracking (over 25% of surface). Severe distortions (over 2" deep). Extensive patching in poor condition. Potholes.	Severe deterioration. Needs reconstruction with extensive base repair. Pulverization of old pavement is effective.
<b>1</b> Failed	Severe distress with extensive loss of surface integrity.	Failed. Needs total reconstruction.

\* Individual pavements will not have all of the types of distress listed for any particular rating. They may have only one or two types.

**RATING 10 & 9**

**EXCELLENT —  
No maintenance required**

Newly constructed or recently overlaid roads are in excellent condition and require no maintenance.

▶ **RATING 10**  
New construction.



▶ **RATING 9**  
Recent overlay, rural.



▶ **RATING 9**  
Recent overlay, urban.



## RATING 8

### **VERY GOOD — Little or no maintenance required**

This category includes roads which have been recently sealcoated or overlaid with new cold mix. It also includes recently constructed or overlaid roads which may show longitudinal or transverse cracks. All cracks are tight or sealed.

#### ▶ **Recent chip seal.**



#### ▶ **Recent slurry seal.**

#### ▼ **Widely spaced, sealed cracks.**



#### ▲ **New cold mix surface.**

## RATING 7

**GOOD** —

### **Routine sealing recommended**

Roads show first signs of aging, and they may have very slight raveling. Any longitudinal cracks are along paving joint. Transverse cracks may be approximately 10' or more apart. All cracks are 1/4" or less, with little or no crack erosion. Few if any patches, all in very good condition. Maintain a crack sealing program.

▶ **Tight and sealed transverse and longitudinal cracks. Maintain crack sealing program.**



▶ **Tight and sealed transverse and longitudinal cracks.**



▶ **Transverse cracks about 10' or more apart. Maintain crack sealing program.**



## RATING 6

### GOOD —

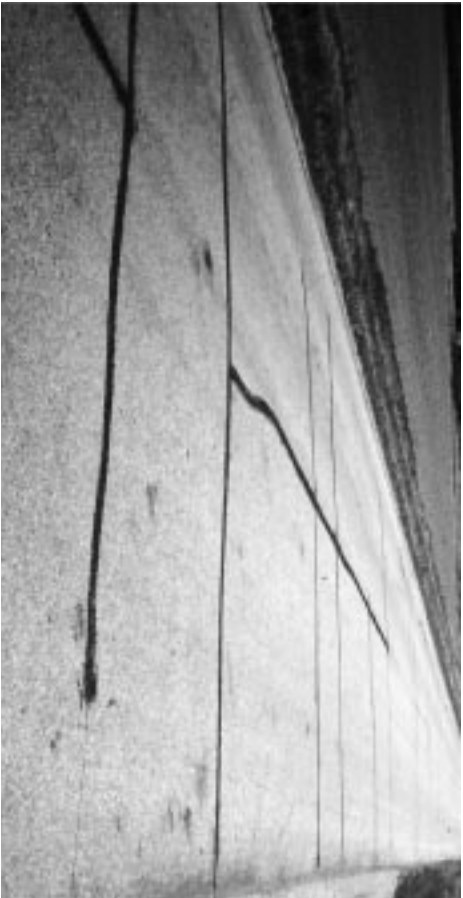
#### Consider preservative treatment

Roads are in sound structural condition but show definite signs of aging. Seal-coating could extend their useful life. There may be slight surface raveling. Transverse cracks can be frequent, less than 10' apart. Cracks may be 1/4–1/2" and sealed or open. Pavement is generally sound adjacent to cracks. First signs of block cracking may be evident. May have slight or moderate bleeding or polishing. Patches are in good condition.

▶ Slight surface raveling with tight cracks, less than 10' apart.



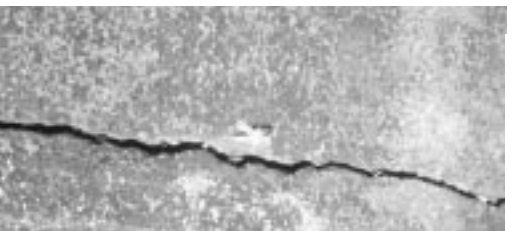
▶ Transverse cracking less than 10' apart; cracks well-sealed.



▶ Moderate flushing.



▶ Open crack, 1/2" wide; adjoining pavement sound.



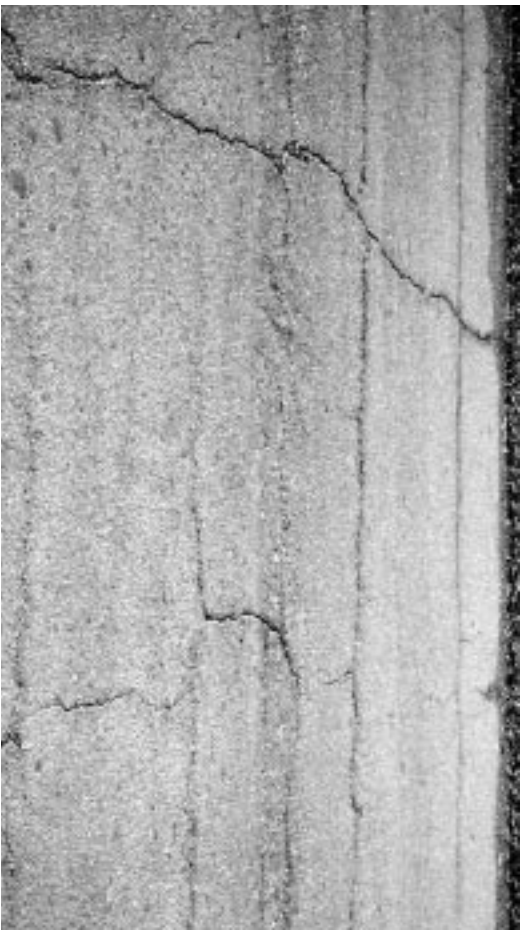
▶ Large blocks, early signs of raveling and block cracking.





**RATING 5**

▼ Block cracking with open cracks.



**FAIR —  
Preservative maintenance  
treatment required**

Roads are still in good structural condition but clearly need sealcoating or overlay. They may have moderate to severe surface raveling with significant loss of aggregate. First signs of longitudinal cracks near the edge. First signs of raveling along cracks. Block cracking up to 50% of surface. Extensive to severe flushing or polishing. Any patches or edge wedges are in good condition.

▼ Moderate to severe raveling in wheel paths.



▼ Severe flushing.



▼ Wedges and patches extensive but in good condition.



## RATING 4

### FAIR —

#### Structural improvement required

Roads show first signs of needing strengthening by overlay. They have very severe surface ravelling which should no longer be sealed. First longitudinal cracking in wheel path. Many transverse cracks and some may be ravelling slightly. Over 50% of the surface may have block cracking. Patches are in fair condition. They may have rutting less than 1/2" deep or slight distortion.



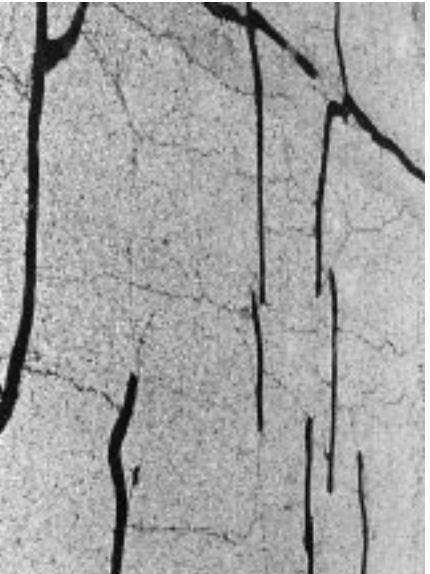
Severe ravelling with  
▼ extreme loss of aggregate.



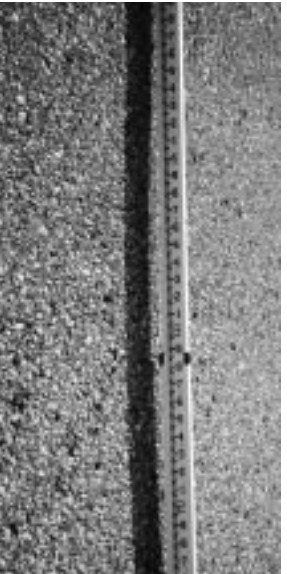
Load cracking and slight  
▼ rutting in wheel path.



▼ Longitudinal cracking;  
early load-related  
distress in wheel path.  
Strengthening needed.



▼ Slight rutting; patch  
in good condition.



▼ Extensive block cracking.  
Blocks tight and sound.  
▼ Slight rutting in  
wheel path.



### RATING 3

#### POOR—

#### Structural improvement required

Roads must be strengthened with a structural overlay (2" or more). Will benefit from milling and very likely will require pavement patching and repair beforehand. Cracking will likely be extensive. Raveling and erosion in cracks may be common. Surface may have severe block cracking and show first signs of alligator cracking. Patches are in fair to poor condition. There is moderate distortion or rutting (1-2") and occasional potholes.

▶ Many wide and raveled cracks indicate need for milling and overlay.



▶ 2" ruts need mill and overlay.



▶ Open and raveled block cracks.



**RATING 3**

**POOR** — (continued)  
**Structural improvement required**



▼ Alligator cracking.  
Edge needs repair  
and drainage needs  
improvement prior  
to rehabilitation.

▼ Distortion with patches  
in poor condition. Repair  
and overlay.

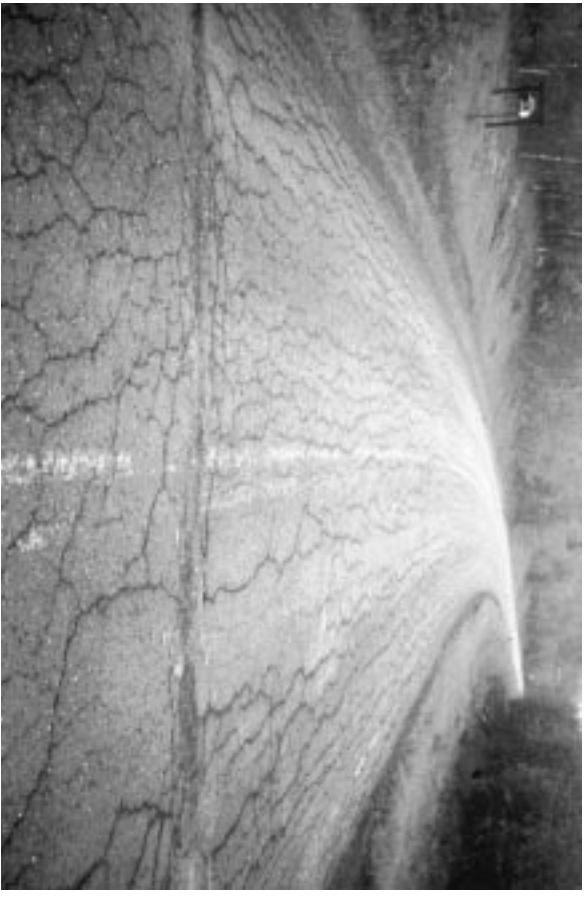


## RATING 2

### **VERY POOR— Reconstruction required**

Roads are severely deteriorated and need reconstruction. Surface pulverization and additional base may be cost-effective. These roads have more than 25% alligator cracking, severe distortion or rutting, as well as potholes or extensive patches in poor condition.

▶ **Extensive alligator cracking. Pulverize and rebuild.**



▶ **Severe rutting. Strengthen base and reconstruct.**



▶ **Patches in poor condition, wheelpath rutting. Pulverize, strengthen and reconstruct.**



▶ **Severe frost damage. Reconstruct.**

**RATING 1**

**FAILED —  
Reconstruction required**

Roads have failed, showing severe distress and extensive loss of surface integrity.

▶ Potholes from frost damage. Reconstruct.



▶ Potholes and severe alligator cracking. Failed pavement. Reconstruct.



▶ Extensive loss of surface. Rebuild.



## Practical advice on rating roads

### Inventory and field inspection

Most agencies routinely observe roadway conditions as a part of their normal work and travel. However, an actual inspection means looking at the entire roadway system as a whole and preparing a written summary of conditions. This inspection has many benefits over casual observations. It can be helpful to compare segments, and ratings decisions are likely to be more consistent because the roadway system is considered as a whole within a relatively short time.

An inspection also encourages a review of specific conditions important in roadway maintenance, such as drainage, adequate strength, and safety.

A simple written inventory is useful in making decisions where other people are involved. You do not have to trust your memory, and you can usually answer questions in more detail. Having a written record and objective information also improves your credibility with the public.

Finally, a written inventory is very useful in documenting changing roadway conditions. Without records over several years it is impossible to know if road conditions are improving, holding their own, or declining.

Annual budgets and long range planning are best done when based on actual needs as documented with a written inventory.

The Wisconsin DOT local road inventory (WISLR) is a valuable resource for managing your local roads. Adding PASER surface condition ratings is an important improvement.

### Averaging and comparing sections

For evaluation, divide the local road system into individual segments which are similar in construction and condition. Rural segments may vary from

1/2 mile to a mile long, while sections in urban areas will likely be 1-4 blocks long or more. If you are starting with the WISLR Inventory, the segments have already been established. You may want to review them for consistent road conditions.

Obviously, no roadway segment is entirely consistent. Also, surfaces in one section will not have all of the types of distress listed for any particular rating. They may have only one or two types. Therefore, some averaging is necessary.

The objective is to rate the condition that represents the majority of the roadway. Small or isolated conditions should not influence the rating. It is useful to note these special conditions on the inventory form so this information can be used in planning specific improvement projects. For example, some spot repairs may be required.

Occasionally surface conditions vary significantly within a segment. For example, short sections of good condition may be followed by sections of poor surface conditions. In these cases, it is best to rate the segment according to the worst conditions and note the variation on the form.

The overall purpose of condition rating is to be able to compare each

segment relative to all the other segments in your roadway system. On completion you should be able to look at any two pavement segments and find that the better surface has a higher rating.

Within a given rating, say 6, not all pavements will be exactly the same. However, they should all be considered to be in better condition than those with lower ratings, say 5. Sometimes it is helpful in rating a difficult segment to compare it to other previously rated segments. For example, if it is better than one you rated 5 and worse than a typical 7, then a rating of 6 is appropriate. Having all pavement segments rated in the proper relative order is most important and useful.

### Assessing drainage conditions

Moisture and poor pavement drainage are significant factors in pavement deterioration. Some assessment of drainage conditions during pavement rating is highly recommended. While you should review drainage in detail at the project level, at this stage simply include an overview drainage evaluation at the same time as you evaluate surface condition.



**Urban drainage. RATING: Excellent**

Good rural ditch and driveway culvert. Culvert end needs cleaning.

RATING: Good



High shoulder and no ditch lead to pavement damage. Needs major ditch improvement for a short distance.

RATING: Fair



No drainage leads to failed pavement.

RATING: Poor



Consider both pavement surface drainage and lateral drainage (ditches or storm sewers). Pavement should be able to quickly shed water off the surface into the lateral ditches. Ditches should be large and deep enough to drain the pavement and remove the surface water efficiently into adjacent waterways.

Look at the roadway crown and check for low surface areas that permit ponding. Paved surfaces should have approximately a 2% cross slope or crown across the roadway. This will provide approximately 3" of fall on a 12' traffic lane. Shoulders should have a greater slope to improve surface drainage.

A pavement's ability to carry heavy traffic loads depends on both the pavement materials (asphalt surfacing and granular base) and the strength of the underlying soils. Most soils lose strength when they are very wet. Therefore, it is important to provide drainage to the top layer of the subgrade supporting the pavement structure.

In rural areas, drainage is provided most economically by open ditches that allow soil moisture to drain laterally. As a rule of thumb, the bottom of the ditch ought to be at least one foot below the base course of the pavement in order to drain the soils. This means that minimum ditch depth should be about 2' below the center of the pavement. Deeper ditches, of course, are required to accommodate roadway culverts and maintain the flow line to adjacent drainage channels or streams.

You should also check culverts and storm drain systems. Storm drainage systems that are silted in, have a large accumulation of debris, or are in poor structural condition will also degrade pavement performance.

The T.I.C. publication, *Drainage Manual: Local Road Assessment and Improvement*, describes the elements of drainage systems, depicts them in detailed photographs, and explains how to rate their condition. Copies are available from the Transportation Information Center.



### Planning annual maintenance and repair budgets

We have found that relating a normal maintenance or rehabilitation procedure to the surface rating scheme helps local officials use the rating system. However, an individual surface rating should not automatically dictate the final maintenance or rehabilitation technique.

You should consider future traffic projections, original construction, and

pavement strength since these may dictate a more comprehensive rehabilitation than the rating suggests. On the other hand, it may be appropriate under special conditions to do nothing and let the pavement fully deteriorate, then rebuild when funds are available.

#### Summary

Using local road funds most efficiently requires good planning and accurate identification of appropriate rehabili-

tation projects. Assessing roadway conditions is an essential first step in this process. This asphalt pavement surface condition rating procedure has proved effective in improving decision making and using highway funds more efficiently. It can be used directly by local officials and staff. It may be combined with additional testing and data collection in a more comprehensive pavement management system.

## **Transportation Information Center Publications**

### **Pavement Surface Evaluation and Rating (PASER) Manuals**

- Asphalt PASER Manual**, 2002, 28 pp.
- Brick and Block PASER Manual**, 2001, 8 pp.
- Concrete PASER Manual**, 2002, 28 pp.
- Gravel PASER Manual**, 2002, 20 pp.
- Sealcoat PASER Manual**, 2000, 16 pp.
- Unimproved Roads PASER Manual**, 2001, 12 pp.

### **Drainage Manual**

Local Road Assessment and Improvement, 2000, 16 pp.

### **SAFER Manual**

Safety Evaluation for Roadways, 1996, 40 pp.

**Flagger's Handbook** (pocket-sized guide), 1998, 22 pp.

**Work Zone Safety**, Guidelines for Construction, Maintenance, and Utility Operations, (pocket-sized guide), 1999, 55 pp.

### **Wisconsin Transportation Bulletins**

- #1 Understanding and Using Asphalt
- #2 How Vehicle Loads Affect Pavement Performance
- #3 LCC—Life Cycle Cost Analysis
- #4 Road Drainage
- #5 Gravel Roads
- #6 Using Salt and Sand for Winter Road Maintenance
- #7 Signing for Local Roads
- #8 Using Weight Limits to Protect Local Roads
- #9 Pavement Markings
- #10 Seal Coating and Other Asphalt Surface Treatments
- #11 Compaction Improves Pavement Performance
- #12 Roadway Safety and Guardrail
- #13 Dust Control on Unpaved Roads
- #14 Mailbox Safety
- #15 Culverts-Proper Use and Installation
- #16 Geotextiles in Road Construction/Maintenance and Erosion Control
- #17 Managing Utility Cuts
- #18 Roadway Management and Tort Liability in Wisconsin
- #19 The Basics of a Good Road
- #20 Using Recovered Materials in Highway Construction
- #21 Setting Speed Limits on Local Roads



**Transportation  
Information Center**

**University of Wisconsin—Madison**

432 North Lake Street  
Madison, WI 53706

phone 800/442-4615

fax 608/263-3160

e-mail [tic@epd.engr.wisc.edu](mailto:tic@epd.engr.wisc.edu)

URL <http://tic.engr.wisc.edu>



**CONTACT INFORMATION:**  
 B. Gus Blumer, Landscape Architect  
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 Maplewood, MN 55109  
 bblumer@co.ramsey.mn.us  
 651.748.2500

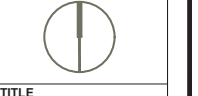
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.  
 Registration: Landscape Architect  
 State: Minnesota  
 Number: 42944  
 Signature: B. Gus Blumer

NO.	DATE	DESCRIPTION
1	2/22/13	BID DOCUMENTS

DESIGN PHASE:  
**REVIEW DOCUMENTS**

**ISLAND LAKE COUNTY PARK BITUMINOUS AREAS**  
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT  
 ISLAND LAKE COUNTY PARK

DATE: JANUARY 2017  
 DESIGNED BY: BGB  
 DRAWN BY: BGB  
 CHECKED BY: SAY



TITLE  
 ISLAND LAKE COUNTY PARK

**RW 1.0**  
 SHEET 1 OF 1



**Bituminous Projects**  
 Attachment C - Project Pavement Locations



**CONTACT INFORMATION:**  
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 bblumer@coo.ramsey.mn.us  
 651.748.2500

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 State: Minnesota  
 Number: 42944  
 Signature: B. Gus Blumer

NO.	DATE	DESCRIPTION
1	2/22/13	BID DOCUMENTS

DESIGN PHASE:  
**REVIEW DOCUMENTS**

**MANITOU RIDGE GOLF COURSE BITUMINOUS AREAS**  
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT  
 MANITOU RIDGE GOLF COURSE

DATE: JANUARY 2017  
 DESIGNED BY: BGB  
 DRAWN BY: BGB  
 CHECKED BY: SAY



TITLE  
 MANITOU RIDGE

**RW 1.0**



**CONTACT INFORMATION:**  
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 bblumer@coo.ramsey.mn.us  
 651.748.2500

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Registration: Landscape Architect  
 State: Minnesota  
 Number: 42944  
 Signature: B. Gus Blumer

NO.	DATE	DESCRIPTION
1	2/22/13	BID DOCUMENTS

DESIGN PHASE:

REVIEW DOCUMENTS

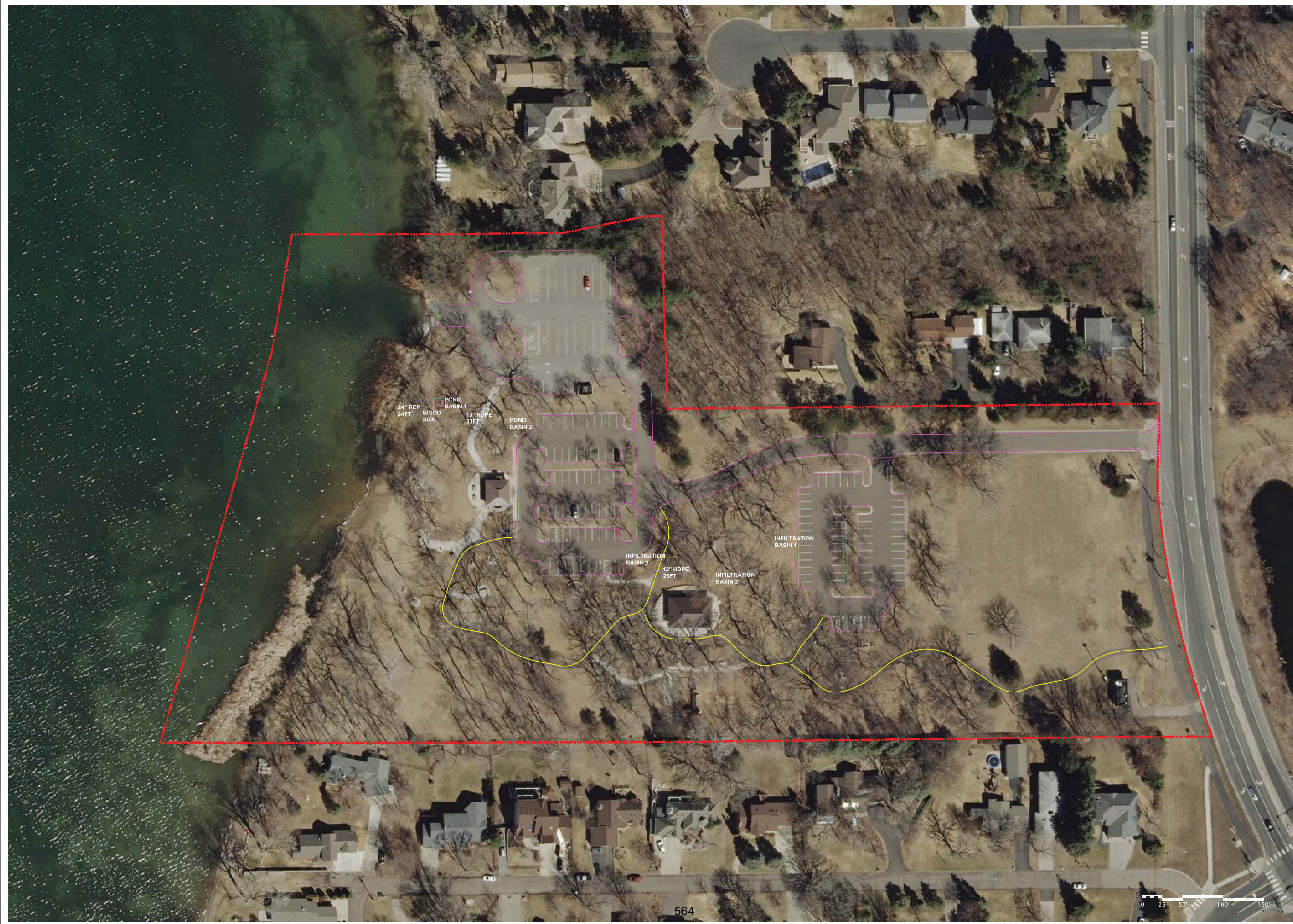
**LAKE McCARRONS COUNTY PARK BITUMINOUS AREAS**  
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT  
 LAKE McCARRONS COUNTY PARK

DATE: JANUARY 2017  
 DESIGNED BY: BGB  
 DRAWN BY: BGB  
 CHECKED BY: SAY



TITLE  
 MCCARRONS

**RW 1.0**



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 Maplewood, MN 55109  
 bblumer@co.ramsey.mn.us  
 651.748.2500

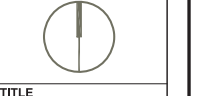
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the State of Minnesota.  
**Registration:** Landscape Architect  
**State:** Minnesota  
**Number:** 42944  
**Signature:** B. Gus Blumer

NO.	DATE	DESCRIPTION
1	2/22/13	BID DOCUMENTS

**DESIGN PHASE:**  
 REVIEW DOCUMENTS

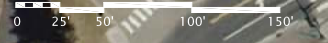
**TURTLE LAKE COUNTY PARK BITUMINOUS AREAS**  
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT  
 TURTLE LAKE COUNTY PARK

**DATE:** JANUARY 2017  
**DESIGNED BY:** BGB  
**DRAWN BY:** BGB  
**CHECKED BY:** SAY



**TITLE**  
 TURTLE LAKE

**RW 1.0**  
 SHEET 1 OF 1





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 651.748.2500

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**Registration:** Landscape Architect  
**State:** Minnesota  
**Number:** 42944  
**Signature:** B. Gus Blumer

NO.	DATE	DESCRIPTION
1	2/22/13	BID DOCUMENTS

**DESIGN PHASE:**  
 REVIEW DOCUMENTS

**WHITE BEAR LAKE COUNTY PARK BITUMINOUS AREAS**  
 RAMSEY COUNTY PARKS AND RECREATION DEPARTMENT  
 WHITE BEAR LAKE COUNTY PARK

**DATE:** JANUARY 2017  
**DESIGNED BY:** BGB  
**DRAWN BY:** BGB  
**CHECKED BY:** SAY



**TITLE**  
 WHITE BEAR LAKE

**RW 1.0**  
 SHEET 1 OF 1

WHITE BEAR LAKE



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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENTS:** Parks & Recreation

**PROJECT TITLE:** Bituminous Pavement Maintenance

**COMMENTS:**

“These are important improvements which should be considered and prioritized within a larger strategic plan for Ramsey County ice arenas.”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Sheriff's Office (480000)

**Project Title or**

**Item:** Law Enforcement Center Security Access System

**PROJECT DESCRIPTION: (Attach supporting documents.)**

This project is requested to replace the building access system at the Law Enforcement Center (LEC), including the Adult Detention Center (ADC). The current system has been used since construction in 2002 and supports 24/7 operations of the 500-bed jail, including opening and locking doors and jail cells. The current system has reached its end of life and is failing.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 2,400,000	\$ 2,400,000	\$ -	\$ -	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 2,400,000</b>	<b>\$ 2,400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager recommends financing this project using bond proceeds of \$2,400,000 in 2018.

MAJOR CIP PROJECTS - QUESTIONS

A. PROJECT DESCRIPTION

1. Is the project a replacement? Major renovation? New development/asset?

Replacement. Replacement of the jail security access system.

2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?

The replacement site is the Ramsey County jail, which the county owns.

3. Are there alternative sites?

N/A

4. What is the estimated size?

a. Building square footage

N/A

b. Acres of land needed

N/A

c. Is parking space required? How much?

N/A

5. How is the space to be utilized?

N/A

a. Office space square footage

N/A

b. Program space square footage

N/A

**6. How many employees will occupy the space?**

**a. Current Staff**

N/A

**b. New positions/staff needed**

N/A

**7. Who provided the cost estimate? When?**

Wold Architects & Engineers in conjunction with Latta Technical Services, Inc. A security system analysis report was provided in July 2016.

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

Wold designed the LEC ADC and Latta is a leading firm providing security systems engineering.

**8. For how long is the cost estimate valid?**

N/A

**9. When does the project need to begin?**

As soon as possible

**10. Who will oversee the project?**

**a. County staff - Describe experience**

The Commander for professional standards will serve as the functional manager. If funded, the Sheriff's Office will also partner with Property Management and Information Services to ensure this project is well managed.

**b. Outside consultant - Describe experience**

Wold Architects & Engineers specializes in planning, design, and administration of new facilities, renovations, additions, and deferred maintenance upgrades.

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ 166,603	166,603	-	-	-	-	-
Construction	\$ 255,657	255,657	-	-	-	-	-
Furniture, Fixtures & Equipment	\$ 207,359	207,359	-	-	-	-	-
Telephone & Data (Intercom & Video System)	\$ 1,057,034	1,057,034	-	-	-	-	-
Moving	\$ 196,003	196,003	-	-	-	-	-
Other (Describe) (PLC, touchscreen, access control)	\$ 517,344	517,344	-	-	-	-	-
	<b>\$ 2,400,000</b>	<b>\$ 2,400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

A consultant conducted an analysis of the current security system and it was learned that the current system has reached its end of life and is failing. A replacement system is required to maintain the safety and security of the county jail. A replacement system will: (a) increase security with the replacement of the current failing security system; (b) protect and safeguard staff, citizens, and inmates; (c) decrease liability by replacing with a door control system that has spare parts supported by the manufacturer;

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

N/A. Continued: (d) improve the security and safety of all employees, inmates, and visitors by utilizing an integrated video surveillance; (e) improve efficiency of correctional officer movements with a replacement access control system that is separated from other buildings; (f) increase operation efficiency by improving audio communication with a

**3. What are the positive aspects of the current building and/or site?**

N/A. Continued: replacement digital intercom system; (g) allow for interface with a jail management system; and (h) present security information accurately and in a format intuitive to system operators for ease of use and speed of training.

**4. Who performed the functional analysis? Qualifications?**

Wold Architects & Engineers and Latta Technical Services. Wold specializes in planning, design, and administration of new facilities, renovations, additions, and deferred maintenance upgrades. Wold was the architect of the LEC and ADC 2002. Latta specializes in the design of electronic security systems for numerous criminal justice facilities.

**5. What other alternatives have been explored? Describe**

The option of reusing existing hardware and equipment and installing a hybrid video recording system was explored. The analysis found much of the equipment was near the end of life and may not be supported in 3-5 years. This would require an additional upgrade in the near future.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

N/A

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

N/A

**3. How are current operating costs being affected?**

N/A

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

An increased risk for failures in the system jeopardizing the safety of staff, inmates, and the public.

**D. IMPACT ON FUTURE OPERATING COSTS**

1. Estimated cost of new staff positions needed. When? Is/will funding be available?

N/A

2. Are there any future cost savings?

Yes. There are savings in staff time achieved through having a more user-friendly security system and reduced litigation risk to the county by ensuring the jail remains secure.

3. Estimated annual maintenance costs:

a. Maintenance/Custodial

N/A

b. Heating/Cooling/Lighting

N/A

4. Are there any federal/state laws mandating increased operating costs?

Yes. Minnesota State Statute mandates the county operate the jail.

**E. IMPACT ON FUTURE REVENUES**

1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:

COST	Source	Amount	Year	Source	Amount	Year
a. Construction Costs		\$ -			\$ -	
b. Maintenance		-			-	
c. Operating Costs		-			-	
d. Staff Costs		-			-	
e. Replacement		-			-	
f. Debt Costs (bonds)		-			-	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**



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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENTS:** Sheriff

**PROJECT TITLE:** Jail Security Access System

**COMMENTS:**

“This is a necessary and urgent need. Software failures have started to create problems and a replacement system is needed.”

“Safety issue. Major concern is the short life of the last system. Replacing components seems reasonable but this looks like a complete rebuild. What is the expected life of the new system?”

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**CAPITAL IMPROVEMENT PROGRAM  
6 YEAR PLAN (2018-2023)  
DETAIL BY PROJECT**

Project # (CM Use Only)

**MAJOR PROJECT REQUEST (Also complete major project questionnaire)**

**Department Name &**

**Code #:** Sheriff's Office (480000)

**Project Title or**

**Item:** Radio Replacement

**PROJECT DESCRIPTION: (Attach supporting documents.)**

This project is requested to replace the 800 MHz radios used by deputies across the county. Radios provide a critical communications link between all public safety agencies, including the emergency communications center and the community.

FUNDING SOURCE:	Total All Years	ESTIMATED FUNDING					
		2018	2019	2020	2021	2022	2023
County Funds	\$ 2,100,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ -	\$ -	\$ -
Federal Funds	\$ -	-	-	-	-	-	-
State Funds	\$ -	-	-	-	-	-	-
Other (Specify):	\$ -	-	-	-	-	-	-
<b>Total Project Funding</b>	<b>\$ 2,100,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ 700,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

**PREVIOUS PROJECT FUNDING:**

	<u>No</u>	<u>Yes</u>	<u>IF YES:</u>	<u>Year(s)</u>	<u>Amount</u>
Place a Check mark in the Correct Box:	<input checked="" type="checkbox"/>	<input type="checkbox"/>			\$ -
					\$ -
					\$ -

**CIPAC Comments Attached.**

**County Manager Comments:**

The County Manager recommends financing this project using bond proceeds of \$700,000 in 2018 and \$700,000 in 2019.

MAJOR CIP PROJECTS - QUESTIONS

A. PROJECT DESCRIPTION

1. Is the project a replacement? Major renovation? New development/asset?

Replacement.

2. Where is the proposed site? Does Ramsey County currently own this site, or will this project include site acquisition?

N/A

3. Are there alternative sites?

N/A

4. What is the estimated size?

a. Building square footage

N/A

b. Acres of land needed

N/A

c. Is parking space required? How much?

N/A

5. How is the space to be utilized?

N/A

a. Office space square footage

N/A

b. Program space square footage

N/A

**6. How many employees will occupy the space?**

**a. Current Staff**

N/A

**b. New positions/staff needed**

N/A

**7. Who provided the cost estimate? When?**

Motorola. January 2017.

**a. Describe experience/qualifications of the vendor who prepared cost estimates.**

Motorola is a well established for two-way radio solutions that reliably connect command centers and first responders.

**8. For how long is the cost estimate valid?**

N/A

**9. When does the project need to begin?**

This project is needed to begin in 2018 and take place over three years (2018, 2019, 2020).

**10. Who will oversee the project?**

**a. County staff - Describe experience**

This project will be managed by the Commander responsible for information and technology services at the Sheriff's Office. Additional implementation support will be provided by the Commander for patrol services and the Deputy assigned to fleet services. Combined, these employees have a total of 45 years of experience.

**b. Outside consultant - Describe experience**

**11. Provide a breakdown of project costs by year, by category:**

<b>COST</b>	<b>Total</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Land	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Architect & Engineering	\$ -	-	-	-	-	-	-
Construction	\$ -	-	-	-	-	-	-
Furniture, Fixtures & Equipment	\$ 2,100,000	700,000	700,000	700,000	-	-	-
Telephone & Data	\$ -	-	-	-	-	-	-
Moving	\$ -	-	-	-	-	-	-
Other (Describe)	\$ -	-	-	-	-	-	-
	\$ 2,100,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ -	\$ -	\$ -

**B. NARRATIVE JUSTIFICATION**

**1. Why is this project needed? Reasons**

Like all public safety organizations in the United States, the Sheriff's Office utilizes portable (handheld) and mobile (in-car) radios to communicate critical information with the emergency communications center and public safety agencies as well as between responding officers. Radio communications are the backbone of the county's first responder and public safety network. The radios used today are 12 years old and reaching their end of life. At any given time, many radios are being repaired and failing at increasing rates.

**2. What are the problems/negative aspects of the current building and/or site? How does the new site/building address these problems?**

N/A. Continued: When the county first implemented 800 MHz radio, all radios were purchased using federal grant funding. No federal funds are available for replacement radios. Over the next three years, the radios used today will no longer be serviced by the manufacturer and repair parts will no

**3. What are the positive aspects of the current building and/or site?**

N/A. Continued: longer be made. As a result, the county will need to replace the current decade old radios over the next three years to ensure that emergency communications, emergency management, police, sheriff, fire, and medical services are able to remain in communication at times of crisis.

**4. Who performed the functional analysis? Qualifications?**

N/A

**5. What other alternatives have been explored? Describe**

Unfortunately, there are no other alternatives available as this is driven by current market conditions.

**C. CONSEQUENCES OF NOT FUNDING THIS PROJECT**

**1. How long can existing space/situation be continued?**

The Sheriff's Office has 362 portable and 160 mobile radios. Based on current repair and failure rates, the remaining life on these radios is estimated up to three years. Radio replacement can take place over three years to lessen the demand for funds while still ensuring the county's public safety communications network remains intact.

**2. Can remodeling or other work extend this time? How long? What are the estimated costs?**

N/A

**3. How are current operating costs being affected?**

N/A

**4. What are the consequences of not beginning the project in the year requested (other than increased cost)?**

Radio replacement can take place over three years to lessen the demand for funds. If this request is not funded in 2018, there will be additional needs for funding and radios will continue to fail.

**D. IMPACT ON FUTURE OPERATING COSTS**

1. Estimated cost of new staff positions needed. When? Is/will funding be available?

N/A

2. Are there any future cost savings?

Yes. Repair costs for radios will be decreased as replacement radios are implemented.

3. Estimated annual maintenance costs:

a. Maintenance/Custodial

N/A

b. Heating/Cooling/Lighting

N/A

4. Are there any federal/state laws mandating increased operating costs?

N/A

**E. IMPACT ON FUTURE REVENUES**

1. List sources and amounts by year of any reimbursements available (I.e. federal, state, grant) for:

<u>COST</u>	<u>Source</u>	<u>Amount</u>	<u>Year</u>		<u>Source</u>	<u>Amount</u>	<u>Year</u>
a. Construction Costs		\$ -				\$ -	
b. Maintenance		-				-	
c. Operating Costs		-				-	
d. Staff Costs		-				-	
e. Replacement		-				-	
f. Debt Costs (bonds)		-				-	

**F. ATTACH ALL OTHER SUPPORTING DOCUMENTS**



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## MAJOR PROJECT REQUEST – COMMITTEE COMMENTS

**DEPARTMENTS:** Sheriff

**PROJECT TITLE:** Radios Replacement

**COMMENTS:**

“Repairing radios as needed is far more cost effective but it appears the current radios become obsolete shortly and that this cannot be avoided.”

“The radios' useful lives appear to be nearing their end and these need to be replaced as they are necessary equipment.”

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