



CITY OF MOORHEAD

CAPITAL IMPROVEMENT PLAN 2021-2025



The Capital Improvement Plan is a tool maintained by the City to identify future projects, related expenditures, and funding sources. All projects included in this plan are contingent upon availability of resources during the planned year. The total expenditures are funded with grants, fees, bonds, city-sources, or other available revenues.



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The Government Finance Officers Association recommends that cities prepare and adopt comprehensive, fiscally sustainable, and multi-year capital plans to ensure effective management of capital assets.

CITY OFFICIALS

	<u>ELECTED OFFICIALS</u>	<u>TERM EXPIRATION</u>
Jonathan Judd	Mayor	2022
Sara Watson Curry	Council Member, Ward 1	2020
Shelly Dahlquist	Council Member, Ward 1	2022
Heidi Durand	Council Member, Ward 2	2020
Shelly Carlson	Council Member, Ward 2	2022
Larry Seljevold	Council Member, Ward 2	2020
Deb White	Council Member, Ward 3	2022
Steve Lindaas	Council Member, Ward 4	2020
Chuck Hendrickson	Council Member, Ward 4	2022

APPOINTED OFFICIALS

Dan Mahli

Acting City Manager

DEPARTMENT DIRECTORS

Kristie Leshovsky
Holly Heitkamp
Robert Zimmerman
Shannon Monroe
Rich Duysen
Steve Moore

Community Development
Parks & Recreation
Engineering
Police Chief
Fire Chief
Public Works



Mission

To secure the benefits of local self-government and promote honest, accountable governance, provide for appropriate municipal service, encourage citizen participation, and foster a sense of community.

Vision

To develop a clear direction for our City's future, a living plan driven by a compelling sense of purpose, a deep pride, and commitment to our community.

Values

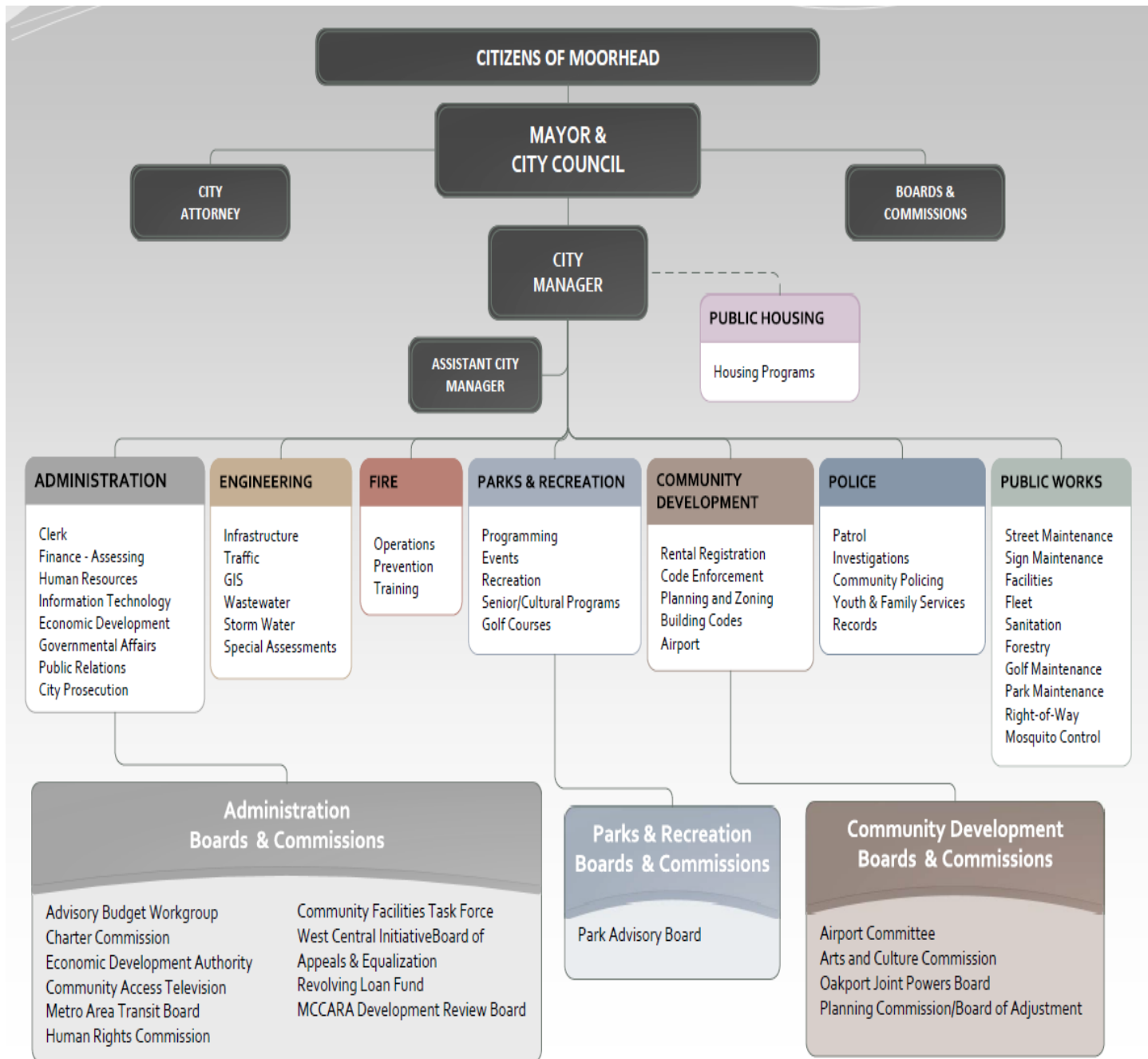


Strategic Plan and Capital Assets

The City's strategic plan addresses the CIP within the Governance and Teamwork initiative. The goal to allocate resources to maintain service levels commensurate to community needs and growth provides an objective to develop a comprehensive five-year capital improvement plan beginning in 2020. This plan will assist with the long-term planning for maintaining and identifying future projects, related expenditures, and financing sources. The CIP will assist decision-makers, provide transparency and ensure effective management of capital assets.

ORGANIZATION CHART

The City of Moorhead is a Charter City that operates under the Council-Manager form of government. The Council is made up of the mayor and eight council members, two members elected from each of four wards. The terms of the mayor and council members are four years and one council member must be elected from each ward every two years.



INTRODUCTION

The City of Moorhead has over \$504 million invested in capital assets that will require maintenance and/or replacement throughout the life of the assets. This number includes land, buildings, facility improvements, machinery, equipment and infrastructure. These assets are recorded within the General Fund, Capital Project Funds, Special Revenue Funds and Enterprise Funds.

The Capital Improvement Plan (CIP) for the years 2021-2025 has been prepared in an attempt to anticipate major capital expenditures in advance of the year in which they will be budgeted. The CIP represents a framework for planning the preservation and expansion of infrastructure, facilities, equipment and technology while at the same time advancing towards the long-term vision. The CIP is the first step in estimating the schedule, costs and sources of revenues to pay for higher priority projects.

Planning for capital improvements requires utilization of several financing mechanisms, including cash reserves, special-purpose funding, and borrowing through bond sales. The proposed financing methods for each improvement is based on policies, jurisdictions and legal requirements. Capital improvements are based on the ability of the City to draw upon various funding sources.

The City's capital improvement plan includes improvements, purchases and construction of new capital assets or infrastructure with an estimated value of \$5,000 or greater. Projects or equipment expected to be under the \$5,000 threshold are included in the operating budget.

The preparation of a five-year plan required City staff to make material estimates about project scope, costs of labor and materials, future interest rates and other items. Many times these estimates come from staff experience, projections published in other sources, vendor estimates, or a combination of several sources. Generally, the estimates for earlier years will be more precise than later years. Actual results can differ significantly from such estimates.

In 2003, the Minnesota State Legislature adopted a statute referred to as the "CIP Act" that authorizes cities to issue general obligation bonds pursuant to a specific type of a capital improvement plan. A five-year CIP is required for the City to make use of Capital Improvement Bonds for the acquisition or betterment of public lands, building or other improvements for the purpose of a city hall, library, public safety facility and public works facility ([MN Statutes 475.521 Subd. 3](#)).

The CIP is prepared based on eight criteria, as provided in the CIP Act (§475.521), in order to standardize priorities and functions across departments

- Condition of the City's infrastructure and need for the project
- Demand for the improvement

- Cost of the improvement
- Availability of public resources
- Level of overlapping debt
- Cost/benefit of alternative uses of funds
- Operating costs of the proposed improvements
- Options for shared facilities with other cities of local governments

Capital Improvement Goals

Major goals for the CIP



Capital Improvement Plan Process

For both the CIP and the operating budget, it is the responsibility of the City Manager to gather information and develop a recommendation for the City Council to consider. The process for completing the CIP included City staff preparing capital project requests for the City Manager to review. Discussions are held to determine the feasibility and priority of the projects and match them with available funding.

Approval of the CIP by the Council does not authorize spending or initiation of a given project. It provides a guide and is not intended to provide for precise budgeting. The CIP approval by Council ratifies the perception that the plan is reasonable and within justified time frames.

Capital costs are projected as estimates. Upon each update of the CIP, deletions, additions, delays, or other revisions may occur, reflecting changing community needs, or opportunities. These changes allow for budget refinements as a particular project nears actual construction. Some initial project design of public infrastructure projects identified within the CIP often begins two years or more prior to the date of construction.

Capital improvements are improvements to land, streets, parks, utilities and buildings. In analyzing the financial viability of the capital improvements, the following methods of financing were considered:

- **Special Assessments** - Special assessments are based on the concept that when land is benefitted from a particular improvement, all or part of the costs of the improvement may be levied against those properties to finance such improvements. Since it often takes several years for the City to collect special assessments, the City may decide to issue bonds for cash flow purposes. For assessments using MN Statute 429 for bonding, at least 20% of the project costs must be assessed.
- **Enterprise Funds** - The City's enterprise funds include the Sewer, Storm Water, Sanitation, Street Light, Forestry, Pest Control, Golf Courses and Airport. Capital improvements or equipment purchased in the enterprise funds may be financed through enterprise fund revenues derived from user fees for the respective services, when available. Enterprise funds are designed for self-sustaining operations. If cash reserves are not sufficient to pay for capital projects, the City may decide to issue Enterprise Revenue Bonds or borrow internally.
- **Tax Increment Financing (TIF)** - Tax increment districts may be created to provide a revenue source based on incremental tax payments from increased property valuation. The City may decide to issue Tax Increment Bonds for cash flow purposes, using these TIF revenues to make payment on such debt.
- **Municipal State Aid (MSA)** - The Minnesota Department of Transportation (MnDOT) provides funding assistance for improvement to those municipal street which are designated as part of its MSA system. MSA funds are generated from revenues collected from road use and gasoline taxes and allocated to the City on an annual basis. Funds are provided for improvements on those streets on the system whose design and construction meet MSA standards. MSA funds may be accumulated over several years and may be used as a source for repayment of bonds for certain MSA projects.
- **Minnesota Department of Transportation** - MnDOT provides financing, assistance, maintenance and improvements on those highways included in the MNDOT trunk highway system and federal interstate system. These improvements could include intersecting local or county streets.
- **Grants** - Federal, State, and local grant opportunities are explored whenever a project aligns with qualification guidelines for specific grant funding

- Other Sources - Other financing sources include donations, other local government agencies, or local share contributions.

Plan Details

The City uses the Plan-It Software to compile all capital improvement projects and purchases for a five-year period. The reports included in this Plan provide summaries and detail of the capital improvements by category, department, funding sources and other relevant criteria.

Category

Categories maintained in the Capital Improvement Plan include the following:

- Buildings
- Equipment
- Infrastructure
- Land
- Parks
- Technology
- Vehicles

Department/Function

Departments/Functions (as provided in this CIP for reporting purposes) are separated in the CIP and include the following:

- Administration
- Community Development
- Engineering
- Fire Department
- Forestry
- Golf Courses
- Information Technology
- Library
- Mass Transit
- Municipal Airport
- Parks and Recreation
- Planning
- Police Department
- Public Works
- Right of Way
- Sanitation
- Stormwater
- Wastewater

Other Criteria

The CIP software maintains additional criteria to be used when managing the improvements. These additional criteria include:

- Priority
- Funding Sources
- Status
- Employee Contact
- Expenditure Choices
- Budget Items
- Customizable Fields

Photos

Pictures of capital items and projects may be included in the CIP. Maps of street improvement projects are provided to provide visual detail for management.

SUMMARY BY DEPARTMENT

City of Moorhead, Minnesota
Capital Improvement Plan
 2021 thru 2025

DEPARTMENT SUMMARY

Department	2021	2022	2023	2024	2025	Total
Administration	11,645			74,811	80,875	167,331
Community Development	50,000				24,917	74,917
Engineering	15,701,000	10,998,000	11,626,397	12,796,000	620,000	51,741,397
Fire Department	116,920	203,000	3,051,190	45,630	113,959	3,530,699
Forestry	228,000	76,322	71,961	103,187	37,500	516,970
Golf Courses	248,375	259,221	475,798	439,180	553,592	1,976,166
Information Technology	102,000		131,000			233,000
Mass Transit	787,333	563,200	352,320	272,400	384,134	2,359,387
Municipal Airport		500,000	100,000	243,360	15,600	858,960
Parks and Recreation	425,461	1,096,186	613,446	1,060,037	354,780	3,549,910
Police Department	270,975	838,869	520,851	148,377	320,666	2,099,738
Public Works	1,790,583	1,255,553	1,926,704	306,076	613,685	5,892,601
Right Of Way	97,811	246,623	16,896	156,968	90,178	608,476
Sanitation	403,665	3,045,821	540,229	147,927	393,374	4,531,016
Stormwater	75,000	100,000	180,056	625,766	553,433	1,534,255
Wastewater	665,730	1,880,487	1,378,104	1,442,409	1,201,049	6,567,779
TOTAL	20,974,498	21,063,282	20,984,952	17,862,128	5,357,742	86,242,602

DEPARTMENTS EXPENDITURES BY FUNDING SOURCE

City of Moorhead, Minnesota

Capital Improvement Plan

2021 thru 2025

DEPARTMENT EXPENDITURES BY FUNDING SOURCE

Source	2021	2022	2023	2024	2025	Total
Bond Proceeds						
Fire Department			2,800,000			2,800,000
Bond Proceeds Total			2,800,000			2,800,000
Capital Improvement Fund						
Administration	11,645					11,645
Community Development	50,000					50,000
Engineering	20,000	315,000	25,000	25,000	40,000	425,000
Fire Department	116,920	203,000	169,975	45,630	28,600	564,125
Forestry	123,000					123,000
Golf Courses	89,000	128,000	93,850	124,110	60,500	495,460
Information Technology	102,000		131,000			233,000
Mass Transit	150,000	150,000	150,000	150,000	150,000	750,000
Municipal Airport		120,000	100,000	138,123	15,600	373,723
Parks and Recreation	321,705	881,095	439,300	851,250	303,500	2,796,850
Police Department	60,500	163,450		50,000	200,000	473,950
Public Works	621,500	739,000	605,750	262,800	552,960	2,782,010
Right Of Way		40,000				40,000
Capital Improvement Fund Total	1,666,270	2,739,545	1,714,875	1,646,913	1,351,160	9,118,763
Federal Grant						
Mass Transit	611,666	413,200	202,320	122,400	234,134	1,583,720
Municipal Airport		360,000				360,000
Federal Grant Total	611,666	773,200	202,320	122,400	234,134	1,943,720
Forestry Fund						
Forestry		37,500	37,500	37,500	37,500	150,000
Forestry Fund Total		37,500	37,500	37,500	37,500	150,000
Mass Transit Fund						
Mass Transit	7,467					7,467
Mass Transit Fund Total	7,467					7,467
MnDOT						
Municipal Airport		20,000				20,000
MnDOT Total		20,000				20,000
MSA Construction						
Engineering	4,500,000	500,000	807,600	263,000		6,070,600
MSA Construction Total	4,500,000	500,000	807,600	263,000		6,070,600

Source	2021	2022	2023	2024	2025	Total
MSA Maintenance						
Engineering	100,000	100,000	100,000	100,000	100,000	500,000
MSA Maintenance Total	100,000	100,000	100,000	100,000	100,000	500,000
Permanent Improvement Revolving F						
Engineering	7,970,001	6,705,337	6,972,403	8,289,671	470,000	30,407,412
Permanent Improvement Revolving Fund Total	7,970,001	6,705,337	6,972,403	8,289,671	470,000	30,407,412
Radio/Weapon Fund						
Police Department		228,090	354,495		47,882	630,467
Radio/Weapon Fund Total		228,090	354,495		47,882	630,467
Sanitation Fund						
Sanitation		2,000,000				2,000,000
Sanitation Fund Total		2,000,000				2,000,000
Sewer Fund						
Stormwater	75,000	100,000	125,000	625,766	494,861	1,420,627
Sewer Fund Total	75,000	100,000	125,000	625,766	494,861	1,420,627
Special Assessments						
Engineering	3,110,999	3,377,663	3,690,997	4,118,329	10,000	14,307,988
Special Assessments Total	3,110,999	3,377,663	3,690,997	4,118,329	10,000	14,307,988
State Grant						
Mass Transit	18,200					18,200
State Grant Total	18,200					18,200
Vehicle Replacement Fund						
Administration				74,811	80,875	155,686
Community Development					24,917	24,917
Engineering			30,397			30,397
Fire Department			81,215		85,359	166,574
Forestry	105,000	38,822	34,461	65,687		243,970
Golf Courses	159,375	131,221	381,948	315,070	493,092	1,480,706
Municipal Airport				105,237		105,237
Parks and Recreation	103,756	215,091	174,146	208,787	51,280	753,060
Police Department	210,475	447,329	166,356	98,377	72,784	995,321
Public Works	1,169,083	516,553	1,320,954	43,276	60,725	3,110,591
Right Of Way	97,811	206,623	16,896	156,968	90,178	568,476
Sanitation	403,665	1,045,821	540,229	147,927	393,374	2,531,016
Stormwater			55,056		58,572	113,628
Wastewater	66,730	156,887	166,854	367,409	337,299	1,095,179
Vehicle Replacement Fund Total	2,315,895	2,758,347	2,968,512	1,583,549	1,748,455	11,374,758
Water Fund						
Wastewater	599,000	1,723,600	1,211,250	1,075,000	863,750	5,472,600
Water Fund Total	599,000	1,723,600	1,211,250	1,075,000	863,750	5,472,600

Source	2021	2022	2023	2024	2025	Total
GRAND TOTAL	20,974,498	21,063,282	20,964,952	17,862,128	5,357,742	86,242,602

PROJECTS & FUNDING SOURCES BY DEPARTMENT

City of Moorhead, Minnesota

Capital Improvement Plan

2021 thru 2025

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Administration								
Replace Unit 104AD Chevrolet Malibu (Admin Rental)	ADM 24-01	n/a				24,937		24,937
Replace Unit 105AD Chevrolet Malibu (Admin Rental)	ADM 24-02	n/a				24,937		24,937
Replace Unit 101AD Chevrolet Traverse AWD	ADM 25-01	n/a					31,041	31,041
Replace Unit 109AD Chevrolet Malibu	ASES 24-01	n/a				24,937		24,937
Replace Unit 108AS Chevrolet Malibu	ASES 25-01	n/a					24,917	24,917
Electronic Election Equipment	CLRK 19-01	n/a	11,645					11,645
Replace Unit 924CA Chevrolet Malibu	CODE 25-01	n/a					24,917	24,917
Administration Total			11,645			74,811	80,875	167,331
Capital Improvement Fund			11,645					11,645
Vehicle Replacement Fund						74,811	80,875	155,686
Administration Total			11,645			74,811	80,875	167,331
Community Development								
WATER TOWER ART I94 TOWER	CD 21-01	n/a	50,000					50,000
Replace Unit 102NS Chevrolet Malibu	PNS 25-01	n/a					24,917	24,917
Community Development Total			50,000				24,917	74,917
Capital Improvement Fund			50,000					50,000
Vehicle Replacement Fund							24,917	24,917
Community Development Total			50,000				24,917	74,917
Engineering								
Miscellaneous Concrete Improvements	CONCRETE	n/a	150,000	150,000	150,000	150,000	150,000	750,000
30th Av and 14th St	ENG 19-A2-03	n/a	2,300,000					2,300,000
4th St S Realignment	ENG 19-A2-2	n/a	1,300,000					1,300,000
Center Ave Improvements	ENG 19-A2-2a	2	5,170,000					5,170,000
Center Ave Landscaping	ENG 19-A2-2c	n/a	330,000					330,000
12th Ave S Imp	ENG 20-A2-01	n/a	1,100,000					1,100,000
Final Overlays	ENG 21-C	n/a	701,000					701,000
10th Av N, 15th St N, 16th St N & 2nd Ave N	ENG 21-D	2	1,000,000					1,000,000
Meyers Brothers Addn Phase 1	ENG 21-E	2	3,200,000					3,200,000
Walkers Sub and Moore Addn	ENG 22-A	n/a		2,700,000				2,700,000
11th St	ENG 22-B	n/a		2,270,000				2,270,000
6th Ave North	ENG 22-C	n/a		963,000				963,000
Elders and 14th St	ENG 22-D	n/a		1,860,000				1,860,000

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Elm St and River Dr S	ENG 22-E	n/a		774,000				774,000
McCara 1st and 2nd Addn	ENG 22-F	n/a		1,220,000				1,220,000
41st Av S and 6th St S	ENG 22-G	n/a		316,000				316,000
Final Overlays	ENG 23-A	n/a			26,000			26,000
Country Heritage	ENG 23-B	n/a			1,620,000			1,620,000
Meyers Brothers Addn Phase 2	ENG 23-C	n/a			2,690,000			2,690,000
Northside Dev Possehl Phase 2	ENG 23-D	n/a			1,690,000			1,690,000
Crystal Creek	ENG 23-E	n/a			386,000			386,000
28th St N from 15 Av to 8 Av N	ENG 23-F	n/a			330,000			330,000
6th Street South	ENG 23-G	n/a			399,000			399,000
34th St from 12th Av S to 24th Av S	ENG 23-H	n/a			2,710,000			2,710,000
14th St. S & Swensons Addn	ENG 23-I	n/a			1,140,000			1,140,000
Final Overlays	ENG 24-A	n/a				67,000		67,000
Berquist's 1st Addition	Eng 24-B	n/a				637,000		637,000
Moore's and Hole's Additions	ENG 24-C	n/a				2,040,000		2,040,000
2nd Av N, 4th Av N and 30th St N	ENG 24-D	n/a				257,000		257,000
3rd Ave S	ENG 24-E	n/a				1,430,000		1,430,000
34th St from 4th Av S to 15th Av N	ENG 24-F	n/a				2,900,000		2,900,000
9th Ave S, 14th & 17th St S Reconstruct	ENG 24-G	n/a				2,430,000		2,430,000
2, 3, 4 Av S and 6 St S	ENG 24-H	n/a				2,430,000		2,430,000
TSC7 Data Collector	ENGR 21-01	n/a	10,000					10,000
TSC7 Data Collector	ENGR 21-02	n/a	10,000					10,000
Polaris Ranger 570 UTV	ENGR 22-01	n/a		15,000				15,000
Traffic Management System	ENGR 22-02	n/a		300,000				300,000
Replace Unit 5 Dodge Ram 1/2 Ton Pickup	ENGR 23-01	n/a			30,397			30,397
R12 GPS Head	ENGR 23-02	n/a			25,000			25,000
R12 GPS Head	ENGR 24-01	n/a				25,000		25,000
S7 Robotic Total Station	ENGR 25-01	n/a					40,000	40,000
Seal Coating Projects	SEAL COAT	n/a	330,000	330,000	330,000	330,000	330,000	1,650,000
Signal Operations Improvements	SIGNALS	n/a	100,000	100,000	100,000	100,000	100,000	500,000
Engineering Total			15,701,000	10,998,000	11,626,397	12,796,000	620,000	51,741,397

Capital Improvement Fund	20,000	315,000	25,000	25,000	40,000	425,000
MSA Construction	4,500,000	500,000	807,600	263,000		6,070,600
MSA Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
Permanent Improvement Revolving Fund	7,970,001	6,705,337	6,972,403	8,289,671	470,000	30,407,412
Special Assessments	3,110,999	3,377,663	3,690,997	4,118,329	10,000	14,307,988
Vehicle Replacement Fund			30,397			30,397
Engineering Total		15,701,000	10,998,000	11,626,397	12,796,000	51,741,397

Fire Department

Fire Station #3	FIR3 21-01	n/a		190,000	2,800,000		2,990,000
Replace Unit 916 Ford F250 4x4 Crew Cab	FPRE 23-01	n/a			45,184		45,184
Replace Unit 460 Skid Steer Loader/Angle Broom	FPRO 23-01	n/a			18,187		18,187
Replace Unit 913 John Deere Tractor Mower	FPRO 23-02	n/a			17,844		17,844
Replace Unit 905-13 Ford Taurus Sel AWD	FPRO 25-01	n/a				35,692	35,692
Replace Unit 906 Haulmark Transport Trailer	FPRO 25-02	n/a				5,798	5,798

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Replace Unit 915 Haulmark Tsv6x12 Ds2	FPRO 25-03	n/a					4,175	4,175
Replace Unit 900 Ford Explorer 4 Wheel Drive	FTRN 25-01	n/a					39,694	39,694
Fire Station #2 Service Bay Doors	PWF 21-05	n/a	46,200					46,200
Fire Station #2 Replace Roof (Low Slope Portion)	PWF 21-07	n/a	47,320					47,320
Fire Station #1 Replace Sewer Pipe to Street	PWF 21-10	n/a	23,400					23,400
Fire Station #2 Repair Concrete Driveway	PWF 22-03	n/a		13,000				13,000
Fire Station #1 Replace Boiler and HVAC	PWF 23-01	n/a			47,775			47,775
Fire Station #1 Roof Replacement	PWF 23-03	n/a			96,200			96,200
Fire Station #1 Annex Remodel	PWF 23-11	n/a			26,000			26,000
Fire Station #2 Remodel Bathroom and Showers	PWF 24-07	n/a				45,630		45,630
Fire Station #2 Replace Flooring- Carpeting	PWF 25-03	n/a					28,600	28,600
Fire Department Total			116,920	203,000	3,051,190	45,630	113,959	3,530,699

Bond Proceeds**Capital Improvement Fund****Vehicle Replacement Fund**

				2,800,000				2,990,000
			116,920	203,000	169,975	45,630	28,600	374,125
					81,215		85,359	166,574
Fire Department Total			116,920	203,000	3,051,190	45,630	113,959	3,530,699

Forestry

Grapple w/JRB Coupler for Front End Loader	FORS 21-01	n/a	18,000					18,000
EAB Removal Tree Replacement	FORS 21-02	n/a		37,500	37,500	37,500	37,500	150,000
S-327 Air Curtain Wood Burner	FORS 21-03	n/a	210,000					210,000
Replace Unit 259FO GMC 1-Ton	FORS 22-01	n/a		38,822				38,822
Replace Unit 283FO Brush Chipper	FORS 23-01	n/a			34,461			34,461
Replace Unit 284FO Vermeer Brush Chipper	FORS 24-01	n/a				65,687		65,687
Forestry Total			228,000	76,322	71,961	103,187	37,500	516,970

Capital Improvement Fund**Forestry Fund****Vehicle Replacement Fund**

			123,000					123,000
				37,500	37,500	37,500	37,500	150,000
			105,000	38,822	34,461	65,687		243,970
Forestry Total			228,000	76,322	71,961	103,187	37,500	516,970

Golf Courses

Greens Cover Replacement	MDMT 00-01	n/a	9,000	9,000	10,000	10,000	10,000	48,000
Replace Irrigation Pumps	MDMT 21-01	n/a		20,000				20,000
Replace Unit 722 Jacobsen LF 550 Fairway Mower	MDMT 21-03	n/a	54,739					54,739
Replace Unit 736 Toro Sand Pro 5040 Trap Groomer	MDMT 21-04	n/a	23,992					23,992
Greens Rollers	MDMT 21-05	n/a		25,000				25,000
Shop Pressure Washer	MDMT 21-06	n/a		6,000				6,000
Repair Falling Bridge at Hole #7	MDMT 21-07	n/a	20,000					20,000
Replace Unit 735 Toro Groundsmaster	MDMT 22-01	n/a		62,636				62,636
Spare Set of Greens Mower Reels	MDMT 22-03	n/a		10,000				10,000
Replace Unit 700 GMC Sierra 1500 1/2 ton	MDMT 23-01	n/a			19,598			19,598
Replace Unit 717 Jacobsen Fairway Mower	MDMT 23-02	n/a			30,291			30,291
Replace Unit 724MM Toro Goundsmaster 4100-D	MDMT 23-03	n/a			63,020			63,020

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Replace Unit 729 Lely Fertilizer Spreader	MDMT 23-04	n/a			5,817			5,817
Replace Unit 743 John Deere 5303	MDMT 23-05	n/a			29,960			29,960
Bedknife Grinder - to replace 1999 unit	MDMT 23-07	n/a			25,000			25,000
Greens Mower Reels	MDMT 23-08	n/a			10,000			10,000
Replace Unit 701 Jacobsen HD Utility Vehicle	MDMT 24-01	n/a				18,285		18,285
Replace Unit 702 Jacobsen HD Utility Vehicle	MDMT 24-02	n/a				19,504		19,504
Replace Unit 705 EZ Go Cushman Light Duty Hauler	MDMT 24-03	n/a				7,703		7,703
Replace Unit 706 EZ Go Cushman Light Duty Hauler	MDMT 24-04	n/a				7,703		7,703
Replace Unit 707 EZ Go Cushman Light Duty Hauler	MDMT 24-05	n/a				7,703		7,703
Replace Unit 710 Toro Greens Mower	MDMT 24-06	n/a				38,709		38,709
Replace Unit 711 Toro Greens Mower	MDMT 24-07	n/a				38,709		38,709
Replace Unit 715MM Toro Greensmaster 3150	MDMT 24-08	n/a				33,621		33,621
Replace Unit 727 Jacobsen Fairway Mower	MDMT 24-09	n/a				52,835		52,835
Replace Unit 704MM Toro Workman Utility Vehicle	MDMT 25-01	n/a					23,682	23,682
Replace Dining Room Tables	MDWS 21-01	n/a		10,000				10,000
Replace Unit 760 EZ Go Cushman Hauler	MDWS 22-01	n/a		8,895				8,895
Replace Yamaha Drive Gas Golfcarts	MDWS 23-01	n/a			95,022			95,022
Replace Yamaha Golf Carts YDRAX3	MDWS 25-01	n/a					73,083	73,083
Replace Unit 757MP Cushman Beverage Cart	MDWS 25-02	n/a					9,746	9,746
Meadows Clubhouse Paint Walls, Ceiling etc	PWF 21-12	n/a	19,500					19,500
Meadows Clubhouse Remodel Bathrooms	PWF 21-14	n/a	19,500					19,500
Village Green Water Heater	PWF 23-05	n/a			18,850			18,850
Meadows HVAC for Upstairs	PWF 24-03	n/a				68,510		68,510
Village Green Fire Protection Panel	PWF 24-04	n/a				15,600		15,600
Village Green Renovate Bathrooms	PWF 25-04	n/a					32,500	32,500
Greens Cover Replacement	VGMT 00-01	n/a	7,000	7,000	7,000	7,000		28,000
Trees	VGMT 00-02	n/a			3,000	3,000	3,000	9,000
Asphalt	VGMT 00-03	n/a		20,000	15,000	15,000	15,000	65,000
Irrigation Head Replacement	VGMT 00-04	n/a	6,000	6,000				12,000
Irrigation Pump Rebuild	VGMT 00-05	n/a			5,000	5,000		10,000
Replace Unit 607 Jacobsen FL 5500 Fairway Mower	VGMT 21-02	n/a	54,739					54,739
Replace Unit 646 Toro Procore 648 Aerator	VGMT 21-03	n/a	25,905					25,905
Replace Unit 628 Toro Sand Pro 5040	VGMT 22-01	n/a		24,676				24,676
Replace Unit 640 Cushman Truckster Heavy	VGMT 22-02	n/a		25,384				25,384
Replace Unit 618 John Deere Tractor/Loader	VGMT 23-01	n/a			30,254			30,254
Replace Unit 647 Jacobsen Lightweight Fairway	VGMT 23-02	n/a			52,835			52,835
Replace Unit 660 Aluma Ltd 2 Wheel Trailer	VGMT 23-03	n/a			3,543			3,543
Replace Unit 610 Cushman Utility Vehicle	VGMT 24-01	n/a				26,601		26,601
Replace Unit 631 Toro Groundsmaster 4100-D	VGMT 24-02	n/a				63,697		63,697
Repace Unit 609VM Cushman Truckster	VGMT 25-01	n/a					19,949	19,949
Repace Unit 611VM Cushman Sprayer	VGMT 25-02	n/a					38,862	38,862
Repace Unit 612VM Cushman Hauler Pro 72	VGMT 25-03	n/a					9,630	9,630
Repace Unit 613VM Cushman Hauler Pro 72	VGMT 25-04	n/a					10,240	10,240
Replace Unit 619VM Toro Greensmaster GR-3150	VGMT 25-05	n/a					40,958	40,958
Replace Unit 620VM Toro Greensmaster GR-3150	VGMT 25-06	n/a					40,958	40,958
Replace Unit 623VM Toro Greensmaster GR-3150	VGMT 25-07	n/a					24,787	24,787
Replace Unit 625VM Toro Sand Pro Groomer	VGMT 25-08	n/a					23,566	23,566
Replace Unit 626VM Toro Groundsmaster 3500-D	VGMT 25-09	n/a					34,775	34,775
Replace Unit 642VM Toro Groundsmaster 4100-D	VGMT 25-10	n/a					67,004	67,004

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Replace Unit 644VM Lely Fertilizer Spreader	VGMT 25-11	n/a					5,364	5,364
Replace Unit 633VM Turfco Top Dresser	VGMT 25-12	n/a					13,560	13,560
Replace Dining Room Tables and Chairs	VLG 21-01	n/a		15,000				15,000
Replace Equipment - Kitchen Area	VLG 21-02	n/a	8,000					8,000
Replace Unit 659 EZ Go Cushman Beverage Cart	VLG 22-01	n/a		9,630				9,630
Replace Yamaha Drive Gas Golfcarts	VLG 23-01	n/a			51,608			51,608
Replace Yamaha Golf Carts YDRAL1	VLG 25-01	n/a					47,487	47,487
Replace Unit 657VP Cushman Beverage Cart	VLG 25-02	n/a					9,441	9,441
Golf Courses Total			248,375	259,221	475,798	439,180	553,592	1,976,166

Capital Improvement Fund**Vehicle Replacement Fund****Golf Courses Total**

89,000	128,000	93,850	124,110	60,500	495,460
159,375	131,221	381,948	315,070	493,092	1,480,706
248,375	259,221	475,798	439,180	553,592	1,976,166

Information Technology

Server Replacement	IT Servers	2	87,000		56,000			143,000
Storage Improvement	IT Storage	3	15,000		75,000			90,000
Information Technology Total			102,000		131,000			233,000

Capital Improvement Fund**Information Technology Total**

102,000		131,000		233,000
102,000		131,000		233,000

Mass Transit

Shelter - Replace Annually	MT 00-01	n/a	31,000	32,000	33,000	34,000	35,000	165,000
Para Unit #7211 Replaces Unit #1231	MT 21-01	n/a	91,000					91,000
Para Unit #7212 Replaces Unit #1232	MT 21-02	n/a	91,000					91,000
Replace Shop Truck (1/3 Mhd Cost)	MT 21-04	n/a	33,333					33,333
Bus Replace Unit #1020	MT 22-01	n/a	541,000					541,000
Facility Improvements (1/3 Mhd Cost)	MT 22-03	n/a		283,000				283,000
Replace 2012 AVA Technology (1/2 Share Mhd)	MT 22-04	n/a		201,500				201,500
Para Replace Unit #7181	MT 23-01	n/a			96,000			96,000
Senior Unit #5231 Replaces Unit #5191	MT 23-02	n/a			32,000			32,000
Senior Unit #5232 Replaces Unit #5192	MT 23-03	n/a			32,000			32,000
Senior Unit #5233 Replaces Unit #5193	MT 23-04	n/a			32,000			32,000
Replace Tool Cat	MT 23-06	n/a			27,900			27,900
Para Replaces Unit #7191	MT 24-01	n/a				98,000		98,000
Replace PEM at MTG Technology (100% Mhd)	MT 24-03	n/a				21,000		21,000
Para Replaces Unit #7211	MT 25-01	n/a					101,000	101,000
Para Replaces Unit #7212	MT 25-02	n/a					101,000	101,000
Senior Unit #5251 Replaces Unit #5181	MT 25-03	n/a					33,000	33,000
TDP Consultant (5 year)	MT 25-05	n/a					11,495	11,495
Replace Scrubber/Washer	MT 25-06	n/a					22,667	22,667
Mass Transit Reserve	MT RESV	n/a		46,700	99,420	119,400	79,972	345,492
Mass Transit Total			787,333	563,200	352,320	272,400	384,134	2,359,387

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
<i>Capital Improvement Fund</i>			150,000	150,000	150,000	150,000	150,000	750,000
<i>Federal Grant</i>			611,666	413,200	202,320	122,400	234,134	1,583,720
<i>Mass Transit Fund</i>			7,467					7,467
<i>State Grant</i>			18,200					18,200
Mass Transit Total			787,333	563,200	352,320	272,400	384,134	2,359,387

Municipal Airport

Parking Lot & Expansion	MAIR 22-01	n/a		400,000				400,000
Aeronautical Zoning Easements	MAIR 22-02	n/a		100,000	100,000	100,000		300,000
Replace Unit 160 Snowblower w/Arctic Kit	MAIR 24-01	n/a				105,237		105,237
Airport Mtce Exterior Lighting	PWF 24-08	n/a				38,123		38,123
Airport Mtce HVAC -Pilots Lounge & Office	PWF 25-02	n/a					15,600	15,600
Municipal Airport Total				500,000	100,000	243,360	15,600	858,960

<i>Capital Improvement Fund</i>				120,000	100,000	138,123	15,600	373,723
<i>Federal Grant</i>				360,000				360,000
<i>MnDOT</i>				20,000				20,000
<i>Vehicle Replacement Fund</i>						105,237		105,237
Municipal Airport Total				500,000	100,000	243,360	15,600	858,960

Parks and Recreation

West Wall - Add Fill & Topsoil	HHIC 21-01	n/a	8,000					8,000
Stain the Stave Church	HHIC 22-01	n/a		20,000				20,000
Replace Unit 110 John Deere Mower	HHIC 24-01	n/a				8,990		8,990
Replace Unit 448 Portable Stage	PARK 21-02	n/a		148,595				148,595
Storage Shed for Football/Baseball Equipment	PARK 21-03	n/a	8,000					8,000
Centennial Complex South Bathrooms	PARK 22-01	n/a			15,000			15,000
Sledding Hill at MB Johnson Park	PARK 22-02	n/a		10,000				10,000
Fire Pit at MB Johnson Park	PARK 22-03	n/a		10,000				10,000
Replace Unit 145 Ford Econoline E150	PARK 23-01	n/a			23,203			23,203
Replace NRC - South Park	PARK 24-01	n/a				300,000		300,000
Park Amenities	PMTc 00-01	n/a	200,000	250,000	250,000	250,000	250,000	1,200,000
Harvest/Midtown/Blue Goose Trail	PMTc 20-05	n/a		52,500				52,500
Replace Unit 269 (2008) Chemical Sprayer	PMTc 21-01	n/a	11,496					11,496
Replace Unit 438 (2006) Landpride Landscape Rake	PMTc 21-02	n/a	3,549					3,549
Replace Unit 444 (2011) Smithco Infield Groomer	PMTc 21-03	n/a	21,333					21,333
Replace Unit 452 Jacobsen HR9016 Turf Mower	PMTc 21-04	n/a	59,343					59,343
Replace Unit 462 Pool Vacuum	PMTc 21-05	n/a	5,788					5,788
Replace Unit 496 Graco Line Laser	PMTc 21-06	n/a	2,247					2,247
Pull Behind Fertilizer Spreader - Athletic Fields	PMTc 21-07	n/a		6,500				6,500
Replace Unit 246 Ford F150 4x2	PMTc 22-01	n/a		18,637				18,637
Replace Unit 247 Ford F150 4x2	PMTc 22-02	n/a		19,062				19,062
Replace Unit 275 Turfco Edge R Rite Edger	PMTc 22-03	n/a		2,754				2,754
Replace Unit 276 Yamaha Snow Mobile	PMTc 22-04	n/a		14,974				14,974
Replace Unit 434 Jacobsen HR-9016	PMTc 22-05	n/a		83,300				83,300
Replace Unit 443 John Deere Turf Mower	PMTc 22-06	n/a		12,409				12,409

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Replace Unit 451 Toro GM 4100-D Mower	PMTC 22-07	n/a		61,957				61,957
Replace Unit 475 PJ Two Wheeled Trailer	PMTC 22-08	n/a		1,998				1,998
River Corridor Match	PMTC 22-09	n/a		50,000	50,000	50,000	50,000	200,000
Harley Rake (Ventrac)	PMTC 22-10	n/a		2,500				2,500
3 Point Mower for JD Tractor for Centennial	PMTC 22-11	n/a		5,000				5,000
Replace Unit 457PM Toro Groundsmaster 4100-D	PMTC 23-01	n/a			69,276			69,276
Replace Unit 466PM Toro Pro 5000	PMTC 23-02	n/a			10,587			10,587
Replace Unit 470 John Deere Tractor Loader	PMTC 23-03	n/a			29,843			29,843
Replace Unit 495 New Holland Utility	PMTC 23-04	n/a			41,237			41,237
Rear Discharge Mower (Ventrac)	PMTC 23-06	n/a			3,000			3,000
3 Point Hole Digger	PMTC 23-07	n/a			3,000			3,000
Replace Unit 252 Ford F250 3/4 ton 4x2 Crew Cab	PMTC 24-01	n/a				30,995		30,995
Replace Unit 263 Ford F350 1 ton	PMTC 24-02	n/a				32,847		32,847
Replace Unit 437PM Park Mower	PMTC 24-03	n/a				10,414		10,414
Replace Unit 458 John Deere Payloader	PMTC 24-04	n/a				125,541		125,541
Expand Parking Lot at Village Green Park	PMTC 24-05	n/a				40,000		40,000
Replace Unit 442PM Field Lazer	PMTC 25-01	n/a					2,668	2,668
Replace Unit 463PM Toro Z Master Mower	PMTC 25-02	n/a					10,550	10,550
Replace Unit 483PM Cushman Sprayer	PMTC 25-03	n/a					33,716	33,716
Replace Unit 492PM Field Lazer	PMTC 25-04	n/a					2,668	2,668
Replace Unit 498 John Deere Snowblower	PMTC 25-05	n/a					1,678	1,678
3 Point Seeder - Athletic Fields	PMTC 25-06	n/a					3,500	3,500
Power Washer for Pools	POOL 21-01	n/a		3,000				3,000
Neighborhood Rec Cntr Renovations	PWF 21-03	n/a	50,000	50,000				100,000
HHIC New Divider Walls	PWF 21-08	n/a	55,705					55,705
HHIC Replace EPDM Roof with TPO	PWF 22-01	n/a		214,500				214,500
HHIC Upgrade Fire Protection System	PWF 22-04	n/a		58,500				58,500
NRC Children Pools	PWF 23-07	n/a			32,500			32,500
HHIC Review Domestic & Sewer Pipes on old side	PWF 23-08	n/a			39,000			39,000
HHIC Frequency Drives on AHU	PWF 23-09	n/a			26,000			26,000
Municipal Pool - Paint and Reseal Pool	PWF 23-12	n/a			20,800			20,800
HHIC Upgrades to AHU and Mixing Boxes	PWF 24-02	n/a				130,000		130,000
HHIC Fire Pumps	PWF 24-05	n/a				48,750		48,750
Municipal Pool Replace Concrete Walkways Exterior	PWF 24-06	n/a				32,500		32,500

Parks and Recreation Total	425,461	1,096,186	613,446	1,060,037	354,780	3,549,910
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Capital Improvement Fund

Vehicle Replacement Fund

Parks and Recreation Total

321,705	881,095	439,300	851,250	303,500	2,796,850
103,756	215,091	174,146	208,787	51,280	753,060
425,461	1,096,186	613,446	1,060,037	354,780	3,549,910

Police Department

Downtown Camera System	PD 24-01	n/a			50,000		50,000
Body Camera Implementation	PD 25-01	n/a				200,000	200,000
Replace Unit 40 GMC Sierra 1500 4WD Double Cab	PDAC 24-01	n/a			30,385		30,385
Replace Unit 43 GMC Sierra 1500 4WD Double Cab	PDAC 24-02	n/a			30,354		30,354
Replace Unit 46 Ford Explorer	PDAD 21-01	n/a	28,463				28,463
Replace Unit 51 Ford Explorer	PDAD 21-02	n/a	28,463				28,463

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Replace Unit 55 Police Chief Ford Explorer	PDAD 22-01	n/a		28,505				28,505
Replace Unit 58 Ford F150 Crew Cab 4x4	PDIN 21-01	n/a	30,112					30,112
Replace Unit 47 Jeep Grand Cherokee	PDIN 22-01	n/a		31,150				31,150
Replace Unit 65 Ford Taurus SEL	PDIN 22-02	n/a		27,470				27,470
Replace Unit 49 Ford Taurus SEL AWD	PDIN 23-01	n/a			32,785			32,785
Replace Unit 54 Dodge Durango AWD	PDIN 24-01	n/a				37,638		37,638
Replace Unit 57-17 Dodge Durango	PDIN 25-01	n/a					34,509	34,509
Replace Unit 35 Ford Interceptor	PDPA 21-01	n/a	27,203					27,203
Replace Unit 16 Ford Interceptor SUV	PDPA 21-02	n/a	30,857					30,857
Replace Unit 30 Ford Interceptor SUV	PDPA 21-07	n/a	30,857					30,857
Equipped Patrol Car per 2 future FTE Officers	PDPA 21-09	n/a		72,000				72,000
Replace Unit 15 Ford Interceptor Unmarked SUV	PDPA 22-01	n/a		33,573				33,573
Replace Unit 31-18 Ford Interceptor SUV	PDPA 22-02	n/a		38,202				38,202
Replace Unit 32-18 Ford Interceptor SUV	PDPA 22-03	n/a		37,335				37,335
Replace Unit 33-16 Ford Interceptor SUV	PDPA 22-04	n/a		31,599				31,599
Replace Unit 34-16 Ford Interceptor SUV	PDPA 22-05	n/a		31,599				31,599
Replace Unit 38-18 Ford Interceptor SUV	PDPA 22-06	n/a		38,275				38,275
Replace Unit 59 International Durastar 4300	PDPA 22-07	n/a		56,329				56,329
Replace Unit 17 Ford Interceptor SUV	PDPA 22-08	n/a		30,857				30,857
Replace Unit 19-16 Ford Interceptor SUV	PDPA 22-09	n/a		31,381				31,381
Replace Unit 14-17 Police Patrol 14-17	PDPA 23-01	n/a			32,682			32,682
Replace Unit 23-17 Unmarked Partol Car	PDPA 23-02	n/a			33,686			33,686
Replace Unit 29-17 Police Patrol	PDPA 23-03	n/a			32,682			32,682
Replace Unit 37-17 Police Patrol	PDPA 23-04	n/a			34,521			34,521
Replace Unit 18-19 Ford Interceptor SUV	PDPA 25-01	n/a					38,275	38,275
703 Internal Service Fund Rent Replace underfunded	PDRW 21-01	n/a		41,450				41,450
Taser/Firearm Replace plan addtl	PDRW 21-02	n/a	18,000					18,000
Police Canine	PDRW 21-03	n/a		50,000				50,000
Fire Arm Shooting Range Perimeter Fence Repair	PDRW 21-04	n/a	5,000					5,000
Ballistic Bunker Shields (2)	PDRW 21-05	n/a	5,000					5,000
Replace Microwave Radio	PDRW 21-06	n/a		31,116				31,116
Replace MPD2 Repeaters	PDRW 21-07	n/a		37,352				37,352
Replace Multiband Mobile Radios	PDRW 21-08	n/a		60,271				60,271
Replace Multiband Portable Radios	PDRW 21-09	n/a		77,351				77,351
Replace MVR Server	PDRW 22-01	n/a		22,000				22,000
Replace Mobile Computers	PDRW 23-01	2			145,449			145,449
Replace Mobile Video Recorders	PDRW 23-02	2			192,996			192,996
Replace Storage Array	PDRW 23-03	n/a			16,050			16,050
Replace Site Repeater	PDRW 25-01	n/a					47,882	47,882
Replace Unit 64 Jeep Wrangler Unlimited	PDSS 21-01	n/a	34,520					34,520
Replace Unit 24 Ford E350 Econoline	PDYS 22-01	n/a		31,054				31,054
Police Impound Extend Perimeter of Lot	PWF 21-04	n/a	32,500					32,500
Police Department Total			270,975	838,869	520,851	148,377	320,666	2,099,738
Capital Improvement Fund			60,500	163,450		50,000	200,000	473,950
Radio/Weapon Fund				228,090	354,495		47,882	630,467
Vehicle Replacement Fund			210,475	447,329	166,356	98,377	72,784	995,321
Police Department Total			270,975	838,869	520,851	148,377	320,666	2,099,738

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Public Works								
Replace Unit 209 Ford F150 1/2 ton Pickup	MTCE 22-01	n/a		23,133				23,133
Heavy Truck & Equipment Hoist System	MTCE 22-02	n/a		50,000				50,000
Replace Unit 208 Forklift	MTCE 23-01	n/a			12,000			12,000
Central Mtce Shop - New Work Benches	MTCE 23-02	n/a			15,000			15,000
F, F & E	PW 00-01	n/a	75,000	125,000	125,000	125,000	125,000	575,000
PWF Joint Facility Salt Shed	PWF 21-02	n/a	66,500	66,500				133,000
Public Works Replace Shop Crane	PWF 21-06	n/a	45,500					45,500
Library Repair Roofing	PWF 21-09	n/a	52,000					52,000
PWF New Carpeting, Breakroom Flooring	PWF 21-13	n/a	32,500					32,500
Compost Site - Replace Compost Building	PWF 21-15	n/a	50,000					50,000
Centennial Bldg Demo East Portion & Reface Bldg	PWF 22-02	n/a		97,500				97,500
City Hall Replace Fire Alarm & Security	PWF 23-02	n/a			32,500			32,500
PWF HVAC - Office and Unit Heaters	PWF 23-04	n/a			59,150			59,150
PWF Replace Overhead Doors (6)	PWF 23-06	n/a			74,100			74,100
PWF Replace Roof - Original Building Portion	PWF 24-01	n/a				137,800		137,800
Library Interior Finishes-Carpet, Paint Walls	PWF 25-01	n/a					188,500	188,500
Library Replace Water Heater	PWF 25-05	n/a					24,960	24,960
PWF Replace Roof - 2 Additions	PWF 25-06	n/a					214,500	214,500
Replace Unit 211 Powerliner 2850 Painter	SIGN 21-01	n/a	5,606					5,606
Replace Unit 433 Edco Pavement Grinder	SIGN 23-01	n/a			26,917			26,917
Replace Unit 225 Salt/Sand Tandem Truck	SNOW 21-01	n/a	240,000					240,000
Replace Unit 226 Salt/Sand Tandem Truck	SNOW 21-02	n/a	240,000					240,000
Hydraulic Blower for Cat 938M Front End Loader	SNOW 21-03	n/a	75,000		75,000			150,000
Pusher Blade for CAT 938M Front End Loader	SNOW 21-04	n/a	25,000		25,000			50,000
Replace Unit 414SS Mechanical Street Sweeper	STCL 23-01	n/a			310,985			310,985
Replace Unit 415SS Regen Air Street Sweeper	STCL 23-02	n/a			268,667			268,667
Replace Unit 218 Ford F350 1ton Cab Chassis	STRT 21-01	n/a	36,381					36,381
Replace Unit 400 CAT 140h Motor Grader	STRT 21-02	n/a	350,000					350,000
Replace Unit 455ST Skid Steer	STRT 21-04	n/a	2,000					2,000
Replace Unit 404 Mechanical Street Sweeper	STRT 21-05	n/a	295,096					295,096
Caterpillar CAT 938M Front End Loader	STRT 21-06	n/a	200,000		200,000			400,000
Replace Unit 223 Intl Tandem/Dump/Plow	STRT 22-01	n/a		240,000				240,000
Replace Unit 228 Intl Tandem/Dump/Plow	STRT 22-02	n/a		240,000				240,000
Replace Unit 425 Sullair Portable Air Compressor	STRT 22-03	n/a		13,420				13,420
Motor Grader	STRT 22-04	n/a		400,000				400,000
Replace Unit 205 GMC Sierra 3500 1 ton	STRT 23-01	n/a			47,757			47,757
Replace Unit 215 Ford F250 3/4 ton Pickup	STRT 23-02	n/a			40,181			40,181
Replace Unit 220 Intl Tandem Dump/Plow Truck	STRT 23-03	n/a			240,000			240,000
Replace Unit 233 Ford F550 4x2 Anti Icing	STRT 23-04	n/a			44,066			44,066
Replace Unit 401 Dura Patcher Pothole Patcher	STRT 23-05	n/a			76,877			76,877
Replace Unit 406 John Deere Motor Grader	STRT 23-06	n/a			226,587			226,587
Replace Unit 439 Asphalt Paver	STRT 23-07	n/a			26,917			26,917
Replace Unit 201 Ford F350 1 ton Cab & Chassis	STRT 24-01	n/a				43,276		43,276
Replace Unit 232 Superior Broom	STRT 25-01	n/a					60,725	60,725
Public Works Total			1,790,583	1,255,553	1,926,704	306,076	613,685	5,892,601

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Capital Improvement Fund			621,500	739,000	605,750	262,800	552,960	2,782,010
Vehicle Replacement Fund			1,169,083	516,553	1,320,954	43,276	60,725	3,110,591
Public Works Total			1,790,583	1,255,553	1,926,704	306,076	613,685	5,892,601

Right Of Way

Replace Unit 133 Kawasaki Mule 610 4 Wheeler	ROW 21-01	n/a	7,837					7,837
Replace Unit 853 John Deere Tractor w/side	ROW 21-02	n/a	89,974					89,974
Snow removal/Kayak landing-Toro Dingo	ROW 21-03	n/a		40,000				40,000
Replace Unit 528 Aebi Terra Trac Slope Mower	ROW 22-01	n/a		200,000				200,000
Replace Unit 876 PJ 2 Wheel Trailer	ROW 22-02	n/a		1,623				1,623
Replace Sprayer in Unit #873RM	ROW 22-03	n/a		5,000				5,000
Replace Unit 825 Channel Utility Trailer	ROW 23-01	n/a			2,345			2,345
Replace Unit 879 Gator XUV	ROW 23-02	n/a			14,551			14,551
Replace Unit 842 Ford F250 3/4 ton 4x2 Crew Cab	ROW 24-01	n/a				30,734		30,734
Replace Unit 855 Toro GM 4100-D Mower	ROW 24-02	n/a				63,598		63,598
Replace Unit 856 Toro GM 4100-D Mower	ROW 24-03	n/a				62,636		62,636
Replace Unit 823RM Toro Z Master 5000	ROW 25-01	n/a					10,550	10,550
Replace Unit 824RM Toro Z Master 5000	ROW 25-02	n/a					10,890	10,890
Replace Unit 843 Ford F150 4x2 Reg Cab	ROW 25-03	n/a					23,950	23,950
Replace Unit 854RM Ventrac Slope Mower	ROW 25-04	n/a					42,656	42,656
Replace Unit 881 2 Wheel Trailer	ROW 25-05	n/a					2,132	2,132
Right Of Way Total			97,811	246,623	16,896	156,968	90,178	608,476

Capital Improvement Fund				40,000				40,000
Vehicle Replacement Fund			97,811	206,623	16,896	156,968	90,178	568,476
Right Of Way Total			97,811	246,623	16,896	156,968	90,178	608,476

Sanitation

Replace Unit 1102 Terex Skid Steer Loader	COMP 22-01	n/a		48,199				48,199
Replace Unit 255 Dodge Ram 1/2 Ton Pickup	COMP 23-01	n/a			21,626			21,626
Replace Unit 1101 Scarab Compost Machine	COMP 24-01	n/a				147,927		147,927
Vehicle Storage Facility	SANI 21-01	n/a		2,000,000				2,000,000
Replace Unit 303 Ford F350 4x2 Reg Cab	SANI 21-02	n/a	28,665					28,665
Replace Unit 306 Intl 7400 6x4 Tandem Cab	SANI 21-03	n/a	175,000					175,000
Replace Unit 403 CAT Payloader	SANI 21-04	n/a	200,000					200,000
Replace Unit 313 John Deere Payloader	SANI 22-01	n/a		165,867				165,867
Replace Unit 321SA Wilkens Walking Floor Trailer	SANI 22-02	n/a		99,168				99,168
Replace Unit 327 Sterling LT Tractor	SANI 22-03	n/a		99,742				99,742
Replace Unit 331SA Dual Arm Autoload Garbage Truck	SANI 22-04	n/a		345,977				345,977
Replace Unit 335SA Single Arm Autoload Garbage Trk	SANI 22-05	n/a		286,868				286,868
Replace Unit 250 GMC Sierra 1500	SANI 23-01	n/a			27,456			27,456
Replace Unit 322SA Wilkens Walking Floor Trailer	SANI 23-02	n/a			105,491			105,491
Replace Unit 328 Sterling LT Tractor	SANI 23-03	n/a			99,742			99,742
Replace Unit 333SA Single Arm Auto Garbage Truck	SANI 23-04	n/a			285,914			285,914
Replace Unit 304SA Commercial Rear Loader	SANI 25-01	n/a					196,687	196,687
Replace Unit 308SA Commercial Rear Loader	SANI 25-02	n/a					196,687	196,687

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Sanitation Total			403,665	3,045,821	540,229	147,927	393,374	4,531,016
<i>Sanitation Fund</i>				2,000,000				2,000,000
<i>Vehicle Replacement Fund</i>			403,665	1,045,821	540,229	147,927	393,374	2,531,016
Sanitation Total			403,665	3,045,821	540,229	147,927	393,374	4,531,016
Stormwater								
Flood Mitigation Improvements Local Cost	STWT 21-01	n/a	75,000	100,000	125,000	150,000	150,000	600,000
Replace Unit 505 Ford F250 3/4 ton 4x4	STWT 23-01	n/a			42,086			42,086
Replace Unit 530 Loadtrail Trailer	STWT 23-02	n/a			12,970			12,970
Storm Lift #13 Rehabilitation	STWT 24-01	n/a				475,766		475,766
Replace Unit 529 Bobcat Compact Trackload	STWT 25-01	n/a					58,572	58,572
Storm Lift #12 Rehabilitation	STWT 25-02	n/a					344,861	344,861
Stormwater Total			75,000	100,000	180,056	625,766	553,433	1,534,255
<i>Sewer Fund</i>			75,000	100,000	125,000	625,766	494,861	1,420,627
<i>Vehicle Replacement Fund</i>					55,056		58,572	113,628
Stormwater Total			75,000	100,000	180,056	625,766	553,433	1,534,255
Wastewater								
Sanitary Lift Station #33 & #34 Rehab	WWT 21-01	n/a	499,000					499,000
Bio-Solids Mixer Replacements	WWT 21-02	n/a	100,000					100,000
Replace Unit 575 CAT Generator	WWT 21-03	n/a	66,730					66,730
Sanitary Lift Station #24 & #26 Rehab	WWT 22-01	n/a		723,600				723,600
WWTF Power Feed & Auto Tfr Switch	WWT 22-02	n/a		1,000,000				1,000,000
Replace Unit 521 Freightliner Semi-Tractor	WWT 22-03	n/a		92,003				92,003
Replace Unit 585 Katolight Generator	WWT 22-04	n/a		32,442				32,442
Replace Unit 586 Katolight Generator	WWT 22-05	n/a		32,442				32,442
Sanitary Lift Station #32, 3 & 36 Rehab	WWT 23-01	n/a			1,211,250			1,211,250
Replace Unit 580 Generator w/Trailer	WWT 23-02	n/a			25,138			25,138
Replace Unit 581 MTQ Power Generator	WWT 23-03	n/a			23,224			23,224
Replace Unit 582 MTQ Power Generator w/Trailer	WWT 23-04	n/a			23,224			23,224
Replace Unit 590 Katolight Generator	WWT 23-05	n/a			47,634			47,634
Replace Unit 591 Katolight Generator	WWT 23-06	n/a			47,634			47,634
Sanitary Lift Station #28 & #40 Rehab	WWT 24-01	n/a				1,075,000		1,075,000
Replace Unit 507 Sterling/Vac-Con	WWT 24-02	n/a				367,409		367,409
Sanitary Lift Station #10 & #23 Rehab	WWT 25-01	n/a					863,750	863,750
Replace Unit 503 John Deere Tractor/Wagon	WWT 25-02	n/a					251,713	251,713
Replace Unit 517 Case IH Maxxum Loader	WWT 25-03	n/a					85,586	85,586
Wastewater Total			665,730	1,880,487	1,378,104	1,442,409	1,201,049	6,567,779
<i>Vehicle Replacement Fund</i>			66,730	156,887	166,854	367,409	337,299	1,095,179
<i>Water Fund</i>			599,000	1,723,600	1,211,250	1,075,000	863,750	5,472,600
Wastewater Total			665,730	1,880,487	1,378,104	1,442,409	1,201,049	6,567,779

Department	Project #	Priority	2021	2022	2023	2024	2025	Total
Grand Total			20,974,498	20,861,582	20,984,952	17,862,128	5,357,742	86,242,602

2021 PROJECT DETAIL BY DEPARTMENT

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Administration
Contact City Clerk
Type Equipment
Useful Life
Category Equipment
Priority n/a

Project # CLRK 19-01
Project Name Electronic Election Equipment

Total Project Cost: \$41,645

Description

Two new Model DS200 election machines (includes scanner, internal battery backup, plastic ballot box and steel door and bin, paper roll, 4GB jump drive, shipping and one-year warranty).

Justification

Polling locations require additional election machines.

Prior	Expenditures	2021	2022	2023	2024	2025	Total
30,000	Electronic Equipment	11,645					11,645
Total	Total	11,645					11,645

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
30,000	Capital Improvement Fund	11,645					11,645
Total	Total	11,645					11,645

Budget Impact/Other

This purchase is being coordinated with the Clay County Auditors Office through the established vendor for voting equipment. The City will provide reimbursement to the County for the purchase.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Community Development
Contact Planning & Zoning
Type Improvement
Useful Life 15 years
Category UNASSIGNED
Priority n/a

Project # CD 21-01
Project Name WATER TOWER ART I94 TOWER

Description

Total Project Cost: \$50,000

WATER TOWER ART I94 TOWER

The project involves artwork and lighting improvements in conjunction with MPS' recoating of the Interstate 94 Water Tower. Artist stipend was paid from the 2020 budget.

Justification

MPS has allocated \$28,500 for design work, the same amount as the other three towers. Those towers did not include a lighting component. It is anticipated that the artwork and lighting improvements for this large tower and a bold design will exceed the MPS budget. Staff applied for \$10,000 grant but not funded. We've been encouraged to apply again but no guarantee. Any grants received will reduce the general fund expenditure.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	50,000					50,000
Total	50,000					50,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	50,000					50,000
Total	50,000					50,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority n/a

Project # CONCRETE
Project Name Miscellaneous Concrete Improvements

Description

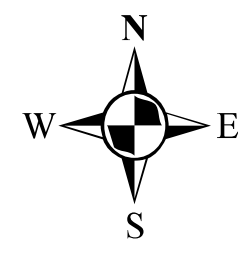
Total Project Cost: \$1,050,000

Justification

Prior	Expenditures	2021	2022	2023	2024	2025	Total
300,000	Construction/Improvements	150,000	150,000	150,000	150,000	150,000	750,000
Total	Total	150,000	150,000	150,000	150,000	150,000	750,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
300,000	Permanent Improvement Revolving Fund	140,000	140,000	140,000	140,000	140,000	700,000
Total	Special Assessments	10,000	10,000	10,000	10,000	10,000	50,000
	Total	150,000	150,000	150,000	150,000	150,000	750,000

Budget Impact/Other



{ DRAFT }



City of Moorhead 2021 to 2024 Capital Improvement Projects

Year of Project

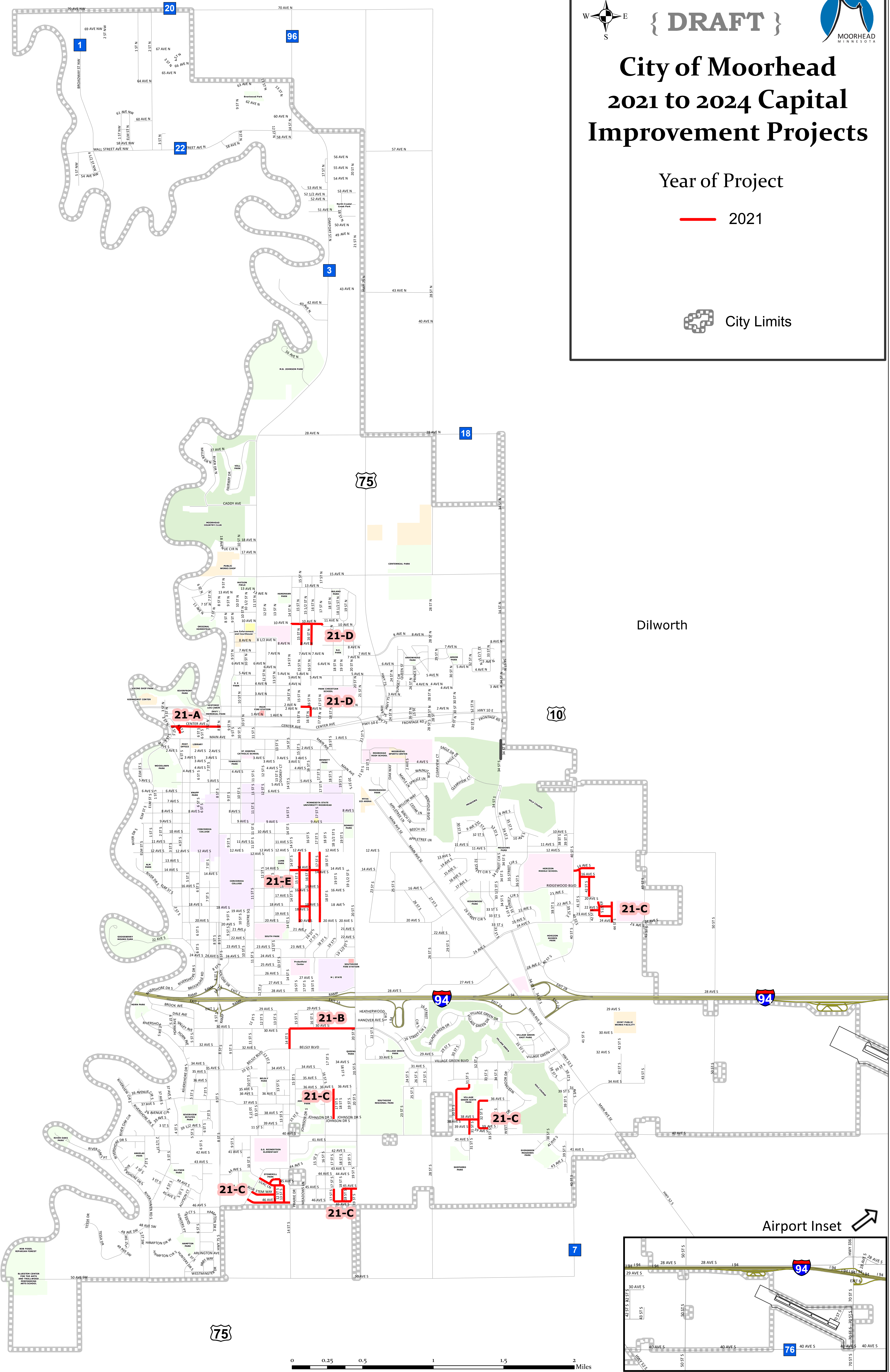
2021

City Limits

Dilworth

Airport Inset

0 0.25 0.5 1 1.5 2 Miles



Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority n/a

Project # ENG 19-A2-03
Project Name 30th Av and 14th St

Total Project Cost: \$2,300,000

Description

30th Avenue and 14th Street
 Reconstruction of 30th Ave S as a concrete paved street from 14th St to 20th St, including ADA sidewalk improvements, narrowing the pavement from 48-feet to 40-feet (a standard 3-lane section), and widening the walk on the south side to 10 feet wide to accommodate bicycles. Mill and Overlay of 14th St S from 30th Ave S to Belsly Blvd including the addition of marked bike lanes and ADA sidewalk improvements. 30th Ave S is functionally classified as a Minor Arterial roadway while 14th St S is a Collector Roadway.

Justification

30th Ave S was initially constructed in 1972 as a bituminous roadway with a soil-cement base and was overlaid in 1981. A corridor study completed in 2001 recommended reconstructing it from 8th St to 20th St as a 3-lane section concrete pavement with a 10-foot wide walk. The segment from 8th St to 14th St was completed in 2004-2005. The remaining segment has been in the 5-year CIP since 2005, but has been deferred because other projects were priorities for funding. The pavement has deteriorated sufficiently that it is no longer economical to continue patching and deferring the reconstruction. 14th St S was initially constructed in 1974 as a full-depth asphalt pavement and overlaid in 1976. In 2004, the pavement was replaced with 8" of asphalt on gravel and granular base as part of the South Side Sanitary Sewer Interceptor improvements. In the last 2 years, the pavement has begun to deteriorate more rapidly, and a full width mill and overlay is needed to extend the life of the pavement. The pavement width would easily support the addition of bike lanes on 14th St, which is consistent with the COG Bicycle and Pedestrian Plan. A pavement condition index (PCI) assessment of these streets was completed in 2015 as part of an overall evaluation of all paved City streets. The projected PCI of the project area ranges from 55 to 67 with a weighted average of 64. 14th St S falls into the mill & overlay category which is recommended to extend the pavement life while it is still possible.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	2,300,000					2,300,000
Total	2,300,000					2,300,000

Funding Sources	2021	2022	2023	2024	2025	Total
Permanent Improvement	1,533,334					1,533,334
Revolving Fund						
Special Assessments	766,666					766,666
Total	2,300,000					2,300,000

Budget Impact/Other

It is proposed to finance the project through the PIR fund and to reimburse the PIR fund by issuing a General Obligation Bond backed by the use of Special Assessments against the benefiting properties in accordance with the City's Special Assessment Policy. Since both 30th Ave S and 14th St S are collector/arterial streets, the assessments will be levied on both a front footage and area-wide basis.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority n/a

Project # ENG 19-A2-2
Project Name 4th St S Realignment

Total Project Cost: \$1,300,000

Description

The proposed project will involve reconstruction of Center Avenue from 3rd St S to 8th St S as a concrete paved street and various landscaping improvements. This project will also include ADA sidewalk improvements, bike lanes, traffic signal replacement at 4th and 5th St S and access modifications for businesses along Center Avenue. The project will also include the reconstruction (and possible realignment) of 4th St S from Center Ave to the BNSF railroad tracks. Center Ave is functionally classified as a Minor Arterial Roadway while 4th St is a Collector Roadway.

Justification

Center Avenue is a concrete roadway section with a bituminous overlay, while 4th St is a full-depth asphalt pavement. The original construction date for Center Ave is unknown, but the last structural project was a mill and overlay in 1989. There is no record of any major maintenance on 4th St. Center Avenue and 4th St have been in the 5-year CIP since 2016, originally as a 2019 project but have been deferred because other projects were priorities for funding and also to allow more public input as the Downtown Plan is currently in progress. A pavement condition index (PCI) assessment of the project area was completed in 2017 as part of an overall evaluation of all paved City streets. The projected PCI of the project area ranges from 4 to 75. This PCI shows the pavement has deteriorated sufficiently that reconstruction is necessary. Prior corridor studies and the LRTP have determined that a 3-lane section is sufficient to meet the needs of Center Ave and 2 lanes for 4th St. The COG bike/ped plan identifies adding bike lanes to Center Ave as a short range project. Public input to date favors making improvements that are consistent with a downtown setting, including on street parking and bike lanes along with wide sidewalks and a reduced number of through lanes. These types of changes can only be accomplished via full reconstruction.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	1,300,000					1,300,000
Total	1,300,000					1,300,000

Funding Sources	2021	2022	2023	2024	2025	Total
Permanent Improvement	1,300,000					1,300,000
Revolving Fund						
Total	1,300,000					1,300,000

Budget Impact/Other

It is proposed to finance the project through a combination of MSA funds and the PIR fund. The PIR fund will be reimbursed by issuing a General Obligation Bond backed by the use of Special Assessments against the benefiting properties in accordance with the City's Special Assessment Policy. Since Center Avenue is a minor arterial street, the assessments will be levied on both a front footage and area-wide basis.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life 30 years
Category Infrastructure
Priority 2 High

Project # ENG 19-A2-2a
Project Name Center Ave Improvements

Description

Total Project Cost: \$5,170,000

The proposed project will involve reconstruction of Center Avenue from 3rd St S to 8th St S as a concrete paved street and various landscaping improvements. This project will also include ADA sidewalk improvements, bike lanes, traffic signal replacement at 4th and 5th St S and access modifications for businesses along Center Avenue. The project will also include the reconstruction (and possible realignment) of 4th St S from Center Ave to the BNSF railroad tracks. Center Ave is functionally classified as a Minor Arterial Roadway while 4th St is a Collector Roadway.

Justification

Center Avenue is a concrete roadway section with a bituminous overlay, while 4th St is a full-depth asphalt pavement. The original construction date for Center Ave is unknown, but the last structural project was a mill and overlay in 1989. There is no record of any major maintenance on 4th St. Center Avenue and 4th St have been in the 5-year CIP since 2016, originally as a 2019 project but have been deferred because other projects were priorities for funding and also to allow more public input as the Downtown Plan is currently in progress. A pavement condition index (PCI) assessment of the project area was completed in 2017 as part of an overall evaluation of all paved City streets. The projected PCI of the project area ranges from 4 to 75. This PCI shows the pavement has deteriorated sufficiently that reconstruction is necessary. Prior corridor studies and the LRTP have determined that a 3-lane section is sufficient to meet the needs of Center Ave and 2 lanes for 4th St. The COG bike/ped plan identifies adding bike lanes to Center Ave as a short range project. Public input to date favors making improvements that are consistent with a downtown setting, including on street parking and bike lanes along with wide sidewalks and a reduced number of through lanes. These types of changes can only be accomplished via full reconstruction.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	5,170,000					5,170,000
Total	5,170,000					5,170,000

Funding Sources	2021	2022	2023	2024	2025	Total
MSA Construction	4,000,000					4,000,000
Permanent Improvement Revolving Fund	936,667					936,667
Special Assessments	233,333					233,333
Total	5,170,000					5,170,000

Budget Impact/Other

It is proposed to finance the project through a combination of MSA funds and the PIR fund. The PIR fund will be reimbursed by issuing a General Obligation Bond backed by the use of Special Assessments against the benefiting properties in accordance with the City's Special Assessment Policy. Since Center Avenue is a minor arterial street, the assessments will be levied on both a front footage and area-wide basis.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority n/a

Project # ENG 19-A2-2c
Project Name Center Ave Landscaping

Total Project Cost: \$330,000

Description

The proposed project will involve reconstruction of Center Avenue from 3rd St S to 8th St S as a concrete paved street and various landscaping improvements. This project will also include ADA sidewalk improvements, bike lanes, traffic signal replacement at 4th and 5th St S and access modifications for businesses along Center Avenue. The project will also include the reconstruction (and possible realignment) of 4th St S from Center Ave to the BNSF railroad tracks. Center Ave is functionally classified as a Minor Arterial Roadway while 4th St is a Collector Roadway.

Justification

Center Avenue is a concrete roadway section with a bituminous overlay, while 4th St is a full-depth asphalt pavement. The original construction date for Center Ave is unknown, but the last structural project was a mill and overlay in 1989. There is no record of any major maintenance on 4th St. Center Avenue and 4th St have been in the 5-year CIP since 2016, originally as a 2019 project but have been deferred because other projects were priorities for funding and also to allow more public input as the Downtown Plan is currently in progress. A pavement condition index (PCI) assessment of the project area was completed in 2017 as part of an overall evaluation of all paved City streets. The projected PCI of the project area ranges from 4 to 75. This PCI shows the pavement has deteriorated sufficiently that reconstruction is necessary. Prior corridor studies and the LRTP have determined that a 3-lane section is sufficient to meet the needs of Center Ave and 2 lanes for 4th St. The COG bike/ped plan identifies adding bike lanes to Center Ave as a short range project. Public input to date favors making improvements that are consistent with a downtown setting, including on street parking and bike lanes along with wide sidewalks and a reduced number of through lanes. These types of changes can only be accomplished via full reconstruction.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	330,000					330,000
Total	330,000					330,000

Funding Sources	2021	2022	2023	2024	2025	Total
Permanent Improvement	330,000					330,000
Revolving Fund						
Total	330,000					330,000

Budget Impact/Other

It is proposed to finance the project through a combination of MSA funds and the PIR fund. The PIR fund will be reimbursed by issuing a General Obligation Bond backed by the use of Special Assessments against the benefiting properties in accordance with the City's Special Assessment Policy. Since Center Avenue is a minor arterial street, the assessments will be levied on both a front footage and area-wide basis.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority n/a

Project # ENG 20-A2-01
Project Name 12th Ave S Imp

Total Project Cost: \$1,100,000

Description

12th Ave S, Mill & Overlay 4th-20th St
 Rehab 20th - SE Main

The proposed project will involve reconstruction of 12th Ave S as a concrete roadway from the centerline of 20th St S to the east side of the BNSF property the runs parallel with 20th St, including reconstruction of the BNSF railroad crossing, signals and gates. This project will also include a 10-foot wide walk on the south side. 12th Ave S is functionally classified as a Minor Arterial Roadway. The City will hire a contractor to complete the road construction, and will enter into a Construction & Maintenance Agreement with BNSF where BNSF will complete the railroad crossing, signals and gates and invoice the City for the cost of that work.

Justification

This segment was initially constructed in 1964. The most recent pavement condition is 54 and the condition has been deteriorating rapidly. For a minor arterial roadway through an industrial park setting where it is necessary to have a 10-ton route, the most cost-effective pavement section is a concrete roadway. This segment of road was separated from a larger project (from 4th St to SE Main Ave) that began construction in 2020. This segment was separated because it will require extensive coordination with BNSF. The railroad crossing improvements will be constructed to the current safety standards that would allow the City to pursue a quiet zone designation along the BNSF Moorhead subdivision. The proposed improvements are consistent with the 12th Ave S corridor study that was completed in 2019, and the Quiet Zone study that was completed in 2016.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	1,100,000					1,100,000
Total	1,100,000					1,100,000

Funding Sources	2021	2022	2023	2024	2025	Total
MSA Construction	500,000					500,000
Permanent Improvement Revolving Fund	600,000					600,000
Total	1,100,000					1,100,000

Budget Impact/Other

It is proposed to finance the project through a combination of MSA funds and the PIR fund. The PIR fund will be reimbursed by issuing a General Obligation Bond for the larger 12th Ave S project and including these funds with that bond sale. The GO Bond will be backed by the use of Special Assessments against the benefiting properties in accordance with the City's Special Assessment Policy. Since 12th Ave S is a minor arterial street, the assessments will be levied on both a front footage and area-wide basis.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority n/a

Project # ENG 21-C
Project Name Final Overlays

Description

Total Project Cost: \$701,000

Final Overlays

The proposed project involves placing the final bituminous overlay on new subdivisions per the developer's agreement. The subdivisions proposed to receive a final overlay are Horizon Shores 9th and 10th Addition, Village Green 6th Addition, Johnson Farm's 1st and 5th Addition, Prairie Meadows 6th Addition and Stonemill Estates 2nd Addition. All streets are functionally classified as Local Roadways.

Justification

On new subdivision projects, the City delays placement of the final overlay to allow for anticipated settlement of utility trenches. Delaying the final overlay until settlement is complete allows for correction of uneven pavement surface. The final overlay allows for bringing the pavement to its full design strength. Delaying beyond more than five years is not necessary to correct trench settlement and creates a risk of long-term pavement damage because the street is not constructed to its full design strength.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	701,000					701,000
Total	701,000					701,000

Funding Sources	2021	2022	2023	2024	2025	Total
Special Assessments	701,000					701,000
Total	701,000					701,000

Budget Impact/Other

All costs for final overlays are assessed to the current property owner.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority 2 High

Project # ENG 21-D
Project Name 10th Av N, 15th St N, 16th St N & 2nd Ave N

Description

Total Project Cost: \$1,000,000

10th Av N, 15th St N, 16th St N & Hole's 2nd Addn
The proposed project will involve mill and overlay and rehab of 10th Ave N from 14th St N to 17th St N, 15th St N from 8th Ave N to 10th Ave N, 16th St N from 8th Ave N to 10th Ave N including ADA sidewalk improvements. The proposed project also includes rehabilitation of 2nd Ave N from 15th St N to 16th St N and reconstruction and widening of 16th St N from 1st Ave N to 2nd Ave N at the request of the Developer of the property at 1530 First Ave N. All streets are functionally classified as Local Roadways.

Justification

All streets in this project area were initially constructed in 1956. The roads were existing gravel roads that were surfaced either with a layer of bituminous pavement or a gravel & oil surface treatment. No structural maintenance projects have occurred since. The streets were regularly maintained by sealcoating, and were last sealcoated in the early 2000's. A pavement condition index (PCI) assessment of the project area was completed in 2015 as part of an overall evaluation of all paved City streets. The projected PCI of the project area ranges from 44 to 72 with a weighted average of 53. The 10th Ave/15th St/16th St area falls into the mill & overlay category which is recommended to extend the pavement life while it is still possible. In the 16th St/2nd Ave area, 2nd Ave must be rehabilitated, and 16th St must be reconstructed because the adjacent development has petitioned to have diagonal on-street parking added.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	1,000,000					1,000,000
Total	1,000,000					1,000,000

Funding Sources	2021	2022	2023	2024	2025	Total
Permanent Improvement	666,667					666,667
Revolving Fund						
Special Assessments	333,333					333,333
Total	1,000,000					1,000,000

Budget Impact/Other

It is proposed to finance the project through the PIR fund and to reimburse the PIR fund by issuing a General Obligation Bond backed by the use of Special Assessments against the benefiting properties in accordance with the City's Special Assessment Policy. Since all streets are local streets, the assessments will be levied on a front footage basis.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life 30 years
Category Infrastructure
Priority 2 High

Project # ENG 21-E
Project Name Meyers Brothers Addn Phase 1

Description

Total Project Cost: \$3,200,000

Meyers Brothers Addn Phase 1

The proposed project will involve mill and overlay and pavement rehab of 14th Ave S from 14th St to 17th St; 18th Ave S from 15th St to 16th St; 15th St S from 12th Ave to 20th Ave; 16th St S from 12th Ave to 20th Ave and 17th St S from 12th Ave to 20th Ave. including ADA sidewalk improvements. All streets are functionally classified as Local Roadways.

Justification

All streets in this project area were initially constructed from 1940 to 1958 as a bituminous roadway with a soil-cement base. No structural maintenance projects have occurred since. The streets were sealcoated in the early 2000's, though this is not considered a structural project. A pavement condition index (PCI) assessment of the project area was completed in 2017 as part of an overall evaluation of all paved City streets. The projected PCI of the project area ranges from 29 to 79 with a weighted average of 60. Research suggests it is most beneficial to target streets with a PCI between 50-75 for a mill & overlay and streets with a PCI below 50 with either a rehab or reconstruct. Most streets in the project area fall into the mill & overlay category which is recommended to prevent further deterioration and more costly improvements.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	3,200,000					3,200,000
Total	3,200,000					3,200,000

Funding Sources	2021	2022	2023	2024	2025	Total
Permanent Improvement	2,133,333					2,133,333
Revolving Fund						
Special Assessments	1,066,667					1,066,667
Total	3,200,000					3,200,000

Budget Impact/Other

It is proposed to finance the project through the PIR fund and to reimburse the PIR fund by issuing a General Obligation Bond backed by the use of Special Assessments against the benefiting properties in accordance with the City's Special Assessment Policy. Since all streets are local streets, the assessments will be levied on a front footage basis.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Equipment
Useful Life 5 years
Category Equipment
Priority n/a

Project # ENGR 21-01
Project Name TSC7 Data Collector

Total Project Cost: \$10,000

Description

Replace TSC3 with TSC7 Data Collector
 "Replacement of existing survey equipment (Trimble TSC3 Data collector)."

Justification

"Replacement of an existing Trimble TSC3 Data Collector with a new Trimble TSC7 Data Collector is needed to maintain survey equipment compatible with current survey technology and the continually changing survey industry. Upgrades and replacements become necessary when old and outdated equipment are no longer viable and repairs to the collector unit and upgrades to the existing software become expensive. The Trimble Data Collectors are utilized in conjunction with our Trimble S6 and S7 Robotic Total Station units and R10 GNSS GPS Rover Heads for use in performing topographic surveys to collect the locations and elevations of critical information which is used for creating project design plans. This design information can then be downloaded into the Data Collector units which are used to stake roadways, sanitary and storms sewers, and water mains. This task can be performed by a single employee and saves the City both time and money."

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	10,000					10,000
Total	10,000					10,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	10,000					10,000
Total	10,000					10,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Equipment
Useful Life 5 years
Category Equipment
Priority n/a

Project # ENGR 21-02
Project Name TSC7 Data Collector

Total Project Cost: \$10,000

Description

Replace TSC3 with TSC7 Data Collector
 "Replacement of existing survey equipment (Trimble TSC3 Data collector)."

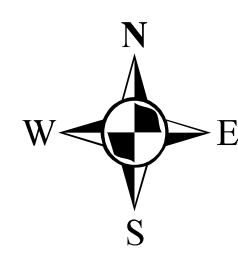
Justification

"Replacement of an existing Trimble TSC3 Data Collector with a new Trimble TSC7 Data Collector is needed to maintain survey equipment compatible with current survey technology and the continually changing survey industry. Upgrades and replacements become necessary when old and outdated equipment are no longer viable and repairs to the collector unit and upgrades to the existing software become expensive. The Trimble Data Collectors are utilized in conjunction with our Trimble S6 and S7 Robotic Total Station units and R10 GNSS GPS Rover Heads for use in performing topographic surveys to collect the locations and elevations of critical information which is used for creating project design plans. This design information can then be downloaded into the Data Collector units which are used to stake roadways, sanitary and storms sewers, and water mains. This task can be performed by a single employee and saves the City both time and money."

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	10,000					10,000
Total	10,000					10,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	10,000					10,000
Total	10,000					10,000

Budget Impact/Other



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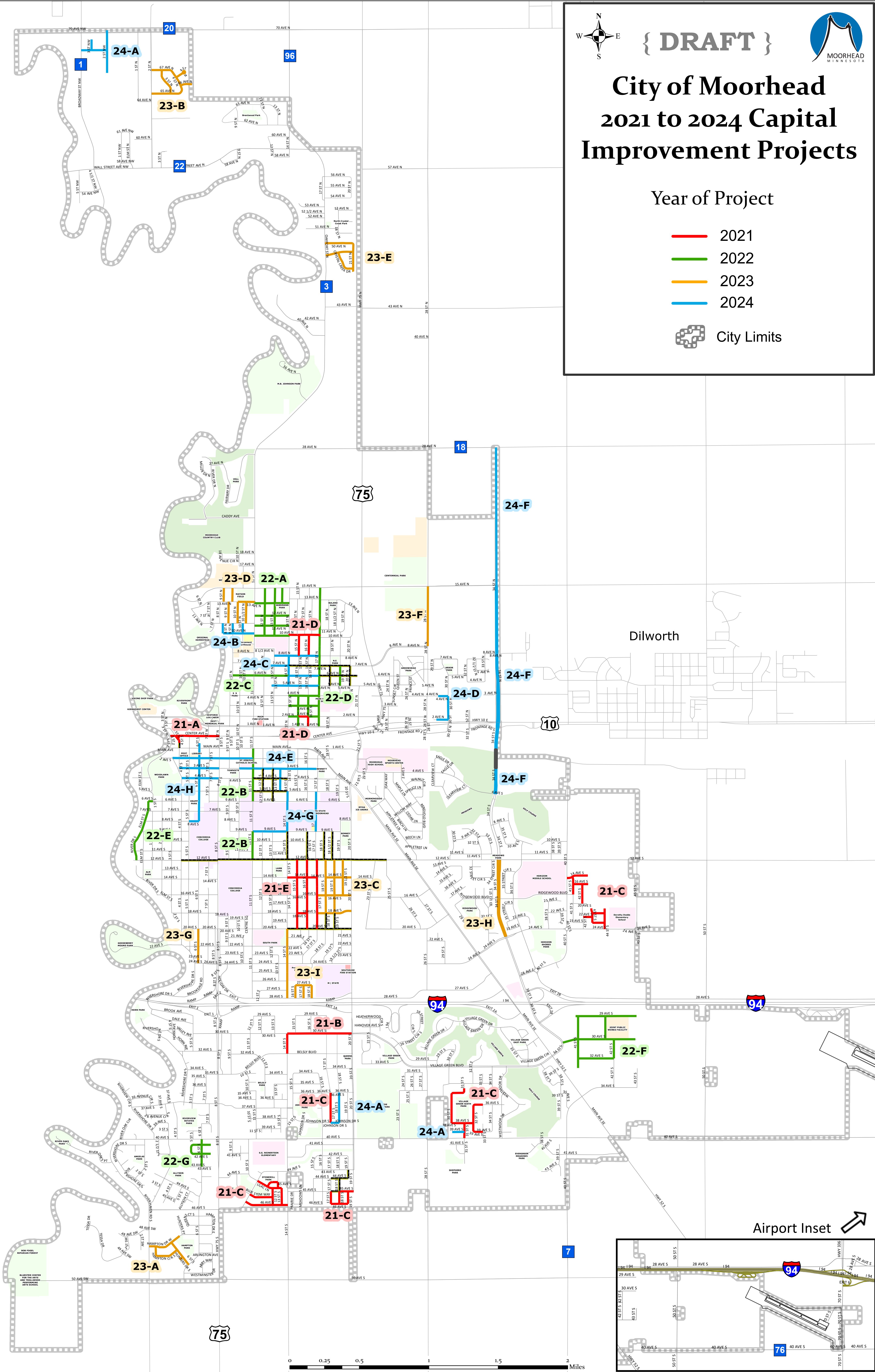


City of Moorhead 2021 to 2024 Capital Improvement Projects

Year of Project

- 2021
- 2022
- 2023
- 2024

City Limits



Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority n/a

Project # SEAL COAT
Project Name Seal Coating Projects

Total Project Cost: \$2,310,000

Description

Justification

Prior	Expenditures	2021	2022	2023	2024	2025	Total
660,000	Construction/Improvements	330,000	330,000	330,000	330,000	330,000	1,650,000
Total	Total	330,000	330,000	330,000	330,000	330,000	1,650,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
660,000	Permanent Improvement Revolving Fund	330,000	330,000	330,000	330,000	330,000	1,650,000
Total	Total	330,000	330,000	330,000	330,000	330,000	1,650,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Engineering
Contact Engineering
Type Maintenance
Useful Life
Category Infrastructure
Priority n/a

Project # SIGNALS
Project Name Signal Operations Improvements

Description

Total Project Cost: \$700,000

Justification

Prior	Expenditures	2021	2022	2023	2024	2025	Total
200,000	Construction/Improvements	100,000	100,000	100,000	100,000	100,000	500,000
Total	Total	100,000	100,000	100,000	100,000	100,000	500,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
200,000	MSA Maintenance	100,000	100,000	100,000	100,000	100,000	500,000
Total	Total	100,000	100,000	100,000	100,000	100,000	500,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Fire Department
Contact Public Works Director
Type Improvement
Useful Life 10 years
Category Buildings
Priority n/a

Project # PWF 21-05
Project Name Fire Station #2 Service Bay Doors

Total Project Cost: \$46,200

Description

Fire Station #2 Service Bay Doors

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	46,200					46,200
Total	46,200					46,200

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	46,200					46,200
Total	46,200					46,200

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Fire Department
Contact Public Works Director
Type Improvement
Useful Life 15 years
Category Buildings
Priority n/a

Project # PWF 21-07
Project Name Fire Station #2 Replace Roof (Low Slope Portion)

Total Project Cost: \$47,320

Description

Fire Station #2 Replace Roof (Low Slope Portion)

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	47,320					47,320
Total	47,320					47,320

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	47,320					47,320
Total	47,320					47,320

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Fire Department
Contact Public Works Director
Type Maintenance
Useful Life 30 years
Category Buildings
Priority n/a

Project # PWF 21-10
Project Name Fire Station #1 Replace Sewer Pipe to Street

Total Project Cost: \$23,400

Description

Fire Station #1 Replace Sewer Pipe to Street

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	23,400					23,400
Total	23,400					23,400

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	23,400					23,400
Total	23,400					23,400

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Forestry
Contact Public Works Director
Type Equipment
Useful Life 15 years
Category Equipment
Priority n/a

Project # FORS 21-01
Project Name Grapple w/JRB Coupler for Front End Loader

Total Project Cost: \$18,000

Description

Grapple w/JRB Coupler for Front End Loader
 Wood Waste Site

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Heavy Equipment	18,000					18,000
Total	18,000					18,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	18,000					18,000
Total	18,000					18,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Forestry
Contact Public Works Director
Type Equipment
Useful Life 15 years
Category Parks
Priority n/a

Project # FORS 21-03
Project Name S-327 Air Curtain Wood Burner

Total Project Cost: \$210,000

Description

S-327 Air Curtain Wood Burner

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Other	210,000					210,000
Total	210,000					210,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	105,000					105,000
Vehicle Replacement Fund	105,000					105,000
Total	210,000					210,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Public Works Director
Type Maintenance
Useful Life
Category Parks
Priority n/a

Project # MDMT 00-01
Project Name Greens Cover Replacement

Total Project Cost: \$48,000

Description

Greens Cover Replacement

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	9,000	9,000	10,000	10,000	10,000	48,000
Total	9,000	9,000	10,000	10,000	10,000	48,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	9,000	9,000	10,000	10,000	10,000	48,000
Total	9,000	9,000	10,000	10,000	10,000	48,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Public Works Director
Type Equipment
Useful Life 10 years
Category Equipment
Priority n/a

Project # MDMT 21-03
Project Name Replace Unit 722 Jacobsen LF 550 Fairway Mower

Total Project Cost: \$54,739

Description

Replace Unit 722 Jacobsen LF 550 Fairway Mower

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Heavy Equipment	54,739					54,739
Total	54,739					54,739

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	54,739					54,739
Total	54,739					54,739

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Public Works Director
Type Equipment
Useful Life 10 years
Category Equipment
Priority n/a

Project # MDMT 21-04
Project Name Replace Unit 736 Toro Sand Pro 5040 Trap Groomer

Total Project Cost: \$23,992

Description

Replace Unit 736 Toro Sand Pro 5040 Trap Groomer

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	23,992					23,992
Total	23,992					23,992

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	23,992					23,992
Total	23,992					23,992

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Public Works Director
Type Maintenance
Useful Life
Category Buildings
Priority n/a

Project # MDMT 21-07
Project Name Repair Failing Bridge at Hole #7

Total Project Cost: \$20,000

Description

Repair Failing Bridge at Hole #7

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	20,000					20,000
Total	20,000					20,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	20,000					20,000
Total	20,000					20,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Public Works Director
Type Maintenance
Useful Life 10 years
Category Buildings
Priority n/a

Project # PWF 21-12
Project Name Meadows Clubhouse Paint Walls, Ceiling etc

Total Project Cost: \$19,500

Description

Meadows Clubhouse Paint Walls, Ceiling, replace ceiling tiles

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	19,500					19,500
Total	19,500					19,500

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	19,500					19,500
Total	19,500					19,500

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Public Works Director
Type Maintenance
Useful Life 15 years
Category Buildings
Priority n/a

Project # PWF 21-14
Project Name Meadows Clubhouse Remodel Bathrooms

Total Project Cost: \$19,500

Description

Meadows Clubhouse Remodel Bathrooms

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	19,500					19,500
Total	19,500					19,500

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	19,500					19,500
Total	19,500					19,500

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Public Works Director
Type Maintenance
Useful Life
Category Parks
Priority n/a

Project # VGMT 00-01
Project Name Greens Cover Replacement

Total Project Cost: \$34,000

Description

Greens Covers

Justification

Prior	Expenditures	2021	2022	2023	2024	2025	Total
6,000	Construction/Improvements	7,000	7,000	7,000	7,000		28,000
Total	Total	7,000	7,000	7,000	7,000		28,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
6,000	Capital Improvement Fund	7,000	7,000	7,000	7,000		28,000
Total	Total	7,000	7,000	7,000	7,000		28,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact
Type Maintenance
Useful Life
Category Parks
Priority n/a

Project # VGMT 00-04
Project Name Irrigation Head Replacement

Total Project Cost: \$18,000

Description

Irrigation Head Replacement (3 of 6 Years)

Justification

Prior	Expenditures	2021	2022	2023	2024	2025	Total
6,000	Construction/Improvements	6,000	6,000				12,000
Total	Total	6,000	6,000				12,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
6,000	Capital Improvement Fund	6,000	6,000				12,000
Total	Total	6,000	6,000				12,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Public Works Director
Type Vehicle
Useful Life 10 years
Category Vehicles
Priority n/a

Project # VGMT 21-02
Project Name Replace Unit 607 Jacobsen FL 5500 Fairway Mower

Total Project Cost: \$54,739

Description

Replace Unit 607 (2011) Jacobsen FL 5500 Fairway Mower

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	54,739					54,739
Total	54,739					54,739

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	54,739					54,739
Total	54,739					54,739

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Public Works Director
Type Vehicle
Useful Life 10 years
Category Vehicles
Priority n/a

Project # VGMT 21-03
Project Name Replace Unit 646 Toro Procore 648 Aerator

Total Project Cost: \$25,905

Description

Replace Unit 646 (2011) Toro Procore 648 Aerator

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	25,905					25,905
Total	25,905					25,905

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	25,905					25,905
Total	25,905					25,905

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Golf Courses
Contact Park Director
Type Equipment
Useful Life 10 years
Category Equipment
Priority n/a

Project # VLG 21-02
Project Name Replace Equipment - Kitchen Area

Total Project Cost: \$8,000

Description

Replace Equipment - Kitchen Area F & B request - check with Andy
 Replace upright refrigerator / freezer

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	8,000					8,000
Total	8,000					8,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	8,000					8,000
Total	8,000					8,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Information Technology
Contact I.T. Director
Type Equipment
Useful Life 10 years
Category Equipment
Priority 2 High

Project # IT Servers
Project Name Server Replacement

Total Project Cost: \$207,000

Description

2020 Servers:
 Directory Controller Primary \$8,000
 Exchange Primary \$12,000
 File and Log Storage \$8,000
 Network Management \$6,000
 Virtual Machine Host LEC Cluster \$12,000
 Wastewater SCADA Primary \$5,000
 Wastewater SCADA Secondary \$5,000
 Windows Update Services \$8,000

2021 Servers:
 Backups Primary Media Agent \$25,000
 Database Primary/General Purpose \$35,000
 Laserfiche server \$9,000
 Network Monitoring and Management \$6,000
 Virtual Machine Host City Hall Cluster \$12,000

2023 Servers:
 Backups Secondary Media Agent \$8,000
 File Server (2) \$18,000
 Police Interview Room Recorder \$15,000
 Police Squad Video Watchguard \$15,000

Justification

Servers are scheduled for replacement

Prior	Expenditures	2021	2022	2023	2024	2025	Total
64,000	Electronic Equipment	87,000		56,000			143,000
Total	Total	87,000		56,000			143,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
64,000	Capital Improvement Fund	87,000		56,000			143,000
Total	Total	87,000		56,000			143,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Information Technology
Contact I.T. Director
Type Equipment
Useful Life
Category Equipment
Priority 3 Medium

Project #	IT Storage
Project Name	Storage Improvement

Description	Total Project Cost: \$90,000
Storage Array Primary \$75,000 (2023)	
Tape Library Primary \$15,000 (2021)	

Justification
Upgrading storage capacity

Expenditures	2021	2022	2023	2024	2025	Total
Electronic Equipment	15,000		75,000			90,000
Total	15,000		75,000			90,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	15,000		75,000			90,000
Total	15,000		75,000			90,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Mass Transit
Contact Mass Transit
Type Maintenance
Useful Life
Category Buildings
Priority n/a

Project # MT 00-01
Project Name Shelter - Replace Annually

Total Project Cost: \$165,000

Description

Shelter - Replace Annually

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	31,000	32,000	33,000	34,000	35,000	165,000
Total	31,000	32,000	33,000	34,000	35,000	165,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	6,200	6,400	6,600	6,800	7,000	33,000
Federal Grant	24,800	25,600	26,400	27,200	28,000	132,000
Total	31,000	32,000	33,000	34,000	35,000	165,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Mass Transit
Contact Mass Transit
Type Transit
Useful Life 5 years
Category Vehicles
Priority n/a

Project # MT 21-01
Project Name Para Unit #7211 Replaces Unit #1231

Total Project Cost: \$91,000

Description

Para Unit #7211 Replaces Unit #1231

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	91,000					91,000
Total	91,000					91,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	9,100					9,100
Federal Grant	72,800					72,800
State Grant	9,100					9,100
Total	91,000					91,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Mass Transit
Contact Mass Transit
Type Vehicle
Useful Life 5 years
Category Vehicles
Priority n/a

Project # MT 21-02
Project Name Para Unit #7212 Replaces Unit #1232

Total Project Cost: \$91,000

Description

Para Unit #7212 Replaces Unit #1232

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	91,000					91,000
Total	91,000					91,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	9,100					9,100
Federal Grant	72,800					72,800
State Grant	9,100					9,100
Total	91,000					91,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Mass Transit
Contact Mass Transit
Type Vehicle
Useful Life 10 years
Category Vehicles
Priority n/a

Project # MT 21-04
Project Name Replace Shop Truck (1/3 Mhd Cost)

Total Project Cost: \$33,333

Description

Replace Shop Truck (1/3 Mhd Cost)

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	33,333					33,333
Total	33,333					33,333

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	33,333					33,333
Total	33,333					33,333

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Mass Transit
Contact Mass Transit
Type Vehicle
Useful Life 12 years
Category Vehicles
Priority n/a

Project # MT 22-01
Project Name Bus Replace Unit #1020

Total Project Cost: \$541,000

Description

Bus Replace Unit #1020

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	541,000					541,000
Total	541,000					541,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	92,267					92,267
Federal Grant	441,266					441,266
Mass Transit Fund	7,467					7,467
Total	541,000					541,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Park Director
Type Maintenance
Useful Life 10 years
Category Land
Priority n/a

Project # HHIC 21-01
Project Name West Wall - Add Fill & Topsoil

Total Project Cost: \$8,000

Description

West Wall - Add Fill & Topsoil to bring it back up to brick ledge
 Raise the dirt level, grade / seed the west wall of the Hjemkomst Center foundation. Would hire a landscape contractor to do this work.

Justification

The dirt level around the brick ledge on the West wall has settled which has the potential to allow water to get inside the building when water table high and large rain events There is exposed insulation.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	8,000					8,000
Total	8,000					8,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	8,000					8,000
Total	8,000					8,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Park Director
Type Improvement
Useful Life 20 years
Category Buildings
Priority n/a

Project # PARK 21-03
Project Name Storage Shed for Football/Baseball Equipment

Description

Total Project Cost: \$8,000

Storage Shed for Football/Baseball Equipment
 10x14 plywood base, roll door
 Put up a storage shed at Southside Regional Park next to the baseball fields for Baseball and Football Equipment.

Justification

Add a Storage Shed with Wood flooring between diamonds at Southside Regional Park for Parks and Recreation to store equipment. Equipment is current transported from the Administration Building on the other side of complex. The Admin building cannot handle all of this equipment storage. Football a relatively new program and has a significant amount of equipment.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	8,000					8,000
Total	8,000					8,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	8,000					8,000
Total	8,000					8,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Public Works Director
Type Improvement
Useful Life
Category Parks
Priority n/a

Project # PMTC 00-01
Project Name Park Amenities

Total Project Cost: \$1,450,000

Description

Park Amenities

Justification

Prior	Expenditures	2021	2022	2023	2024	2025	Total
250,000	Construction/Improvements	200,000	250,000	250,000	250,000	250,000	1,200,000
Total	Total	200,000	250,000	250,000	250,000	250,000	1,200,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
250,000	Capital Improvement Fund	200,000	250,000	250,000	250,000	250,000	1,200,000
Total	Total	200,000	250,000	250,000	250,000	250,000	1,200,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Public Works Director
Type Equipment
Useful Life 10 years
Category Equipment
Priority n/a

Project # PMTC 21-01
Project Name Replace Unit 269 (2008) Chemical Sprayer

Total Project Cost: \$11,496

Description

Replace Unit 269 (2008) Chemical Sprayer

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	11,496					11,496
Total	11,496					11,496

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	11,496					11,496
Total	11,496					11,496

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Public Works Director
Type Equipment
Useful Life 15 years
Category Equipment
Priority n/a

Project # PMTC 21-02
Project Name Replace Unit 438 (2006) Landpride Landscape Rake

Total Project Cost: \$3,549

Description

Replace Unit 438 (2006) Landpride Landscape Rake

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	3,549					3,549
Total	3,549					3,549

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	3,549					3,549
Total	3,549					3,549

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Public Works Director
Type Equipment
Useful Life 10 years
Category Equipment
Priority n/a

Project # PMTC 21-03
Project Name Replace Unit 444 (2011) Smithco Infield Groomer

Total Project Cost: \$21,333

Description

Replace Unit 444 (2011) Smithco 43000b Infield Groomer

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	21,333					21,333
Total	21,333					21,333

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	21,333					21,333
Total	21,333					21,333

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Public Works Director
Type Equipment
Useful Life 10 years
Category Equipment
Priority n/a

Project # PMTC 21-04
Project Name Replace Unit 452 Jacobsen HR9016 Turf Mower

Total Project Cost: \$59,343

Description

Replace Unit 452 (2010) Jacobsen HR9016 Turf Mower

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Heavy Equipment	59,343					59,343
Total	59,343					59,343

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	59,343					59,343
Total	59,343					59,343

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Public Works Director
Type Equipment
Useful Life 5 years
Category Equipment
Priority n/a

Project # PMTC 21-05
Project Name Replace Unit 462 Pool Vacuum

Total Project Cost: \$5,788

Description

Replace Unit 462 (2014) Pool Vacuum

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	5,788					5,788
Total	5,788					5,788

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	5,788					5,788
Total	5,788					5,788

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Public Works Director
Type Equipment
Useful Life 5 years
Category Equipment
Priority n/a

Project # PMTC 21-06
Project Name Replace Unit 496 Graco Line Laser

Total Project Cost: \$2,247

Description

Replace Unit 496 (2014) Graco Line Laser

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	2,247					2,247
Total	2,247					2,247

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	2,247					2,247
Total	2,247					2,247

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Public Works Director
Type Improvement
Useful Life 10 years
Category Buildings
Priority n/a

Project # PWF 21-03
Project Name Neighborhood Rec Cntr Renovations

Total Project Cost: \$100,000

Description

NRC Renovations

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	50,000	50,000				100,000
Total	50,000	50,000				100,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	50,000	50,000				100,000
Total	50,000	50,000				100,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Parks and Recreation
Contact Public Works Director
Type Maintenance
Useful Life 20 years
Category Buildings
Priority n/a

Project # PWF 21-08
Project Name HHIC New Divider Walls

Total Project Cost: \$55,705

Description

HHIC New Divider Walls

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	55,705					55,705
Total	55,705					55,705

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	55,705					55,705
Total	55,705					55,705

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Public Works Director
Type Vehicle
Useful Life 5 years
Category Vehicles
Priority n/a

Project # PDAD 21-01
Project Name Replace Unit 46 Ford Explorer

Total Project Cost: \$28,463

Description

Replace Unit 46 (2015) Ford Explorer. Scheduled replacement of marked, semi-marked, and unmarked police service vehicles.

All wheel drive SUV's have continued to prove their importance in our winter climate and regular extreme weather events. They provide sufficient room for increasing quantities of equipment needed to perform duties. Non-patrol vehicles must still blend in with the general public to perform law enforcement tasks, e.g. surveillance-moving and stationary, room for a long gun in the rear portion area and other emergency equipment. Vehicle replacement is delayed as appropriate based on condition and repairs. Ford Motor Company didn't manufacture police vehicles in 2020 citing new model coming out. This has resulted in increased maintenance fees and vehicles overdue for decommissioning.

Justification

Police service vehicles are considered basic, necessary equipment needed for law enforcement and public safety functions. Police service vehicles are limited to what the three major vehicle manufacturers produce. The Utility vehicle has been tested and compared to pursuit rated models and found to be the best for our needs. The Utility was chosen for the following reasons:

- Easier to keep emergency first aid equipment at the proper temperature for correct operation (computer, video recorder, and defibrillator).
- More room to carry the necessary equipment required to provide emergency services.
- Vehicle sits higher for better visibility while driving in city traffic.
- Better ergonomics for the patrol officer, reducing workman's compensation claims.
- All-wheel drive and higher frame clearance makes it less prone to getting stuck during heavy snow events.
- The center console, rear cage area and emergency lights are vehicle specific and we have cost savings through harvesting and reusing parts between decommissioning and replacing new vehicles.
- Ford discontinued the police sedan in 2019.

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	28,463					28,463
Total	28,463					28,463

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	28,463					28,463
Total	28,463					28,463

Budget Impact/Other

(14) Police vehicles scheduled to be replaced in 2021
(1) additional vehicle contingency for expansion in 2021

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Public Works Director
Type Vehicle
Useful Life 5 years
Category Vehicles
Priority n/a

Project # PDAD 21-02
Project Name Replace Unit 51 Ford Explorer

Total Project Cost: \$28,463

Description

Replace Unit 51 (2015) Ford Explorer. Scheduled replacement of marked, semi-marked, and unmarked police service vehicles.

All wheel drive SUV's have continued to prove their importance in our winter climate and regular extreme weather events. They provide sufficient room for increasing quantities of equipment needed to perform duties. Non-patrol vehicles must still blend in with the general public to perform law enforcement tasks, e.g. surveillance-moving and stationary, room for a long gun in the rear portion area and other emergency equipment. Vehicle replacement is delayed as appropriate based on condition and repairs. Ford Motor Company didn't manufacture police vehicles in 2020 citing new model coming out. This has resulted in increased maintenance fees and vehicles overdue for decommissioning.

Justification

Police service vehicles are considered basic, necessary equipment needed for law enforcement and public safety functions. Police service vehicles are limited to what the three major vehicle manufacturers produce. The Utility vehicle has been tested and compared to pursuit rated models and found to be the best for our needs.

The Utility was chosen for the following reasons:

- Easier to keep emergency first aid equipment at the proper temperature for correct operation (computer, video recorder, and defibrillator).
- More room to carry the necessary equipment required to provide emergency services.
- Vehicle sits higher for better visibility while driving in city traffic.
- Better ergonomics for the patrol officer, reducing workman's compensation claims.
- All-wheel drive and higher frame clearance makes it less prone to getting stuck during heavy snow events.
- The center console, rear cage area and emergency lights are vehicle specific and we have cost savings through harvesting and reusing parts between decommissioning and replacing new vehicles.
- Ford discontinued the police sedan in 2019.

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	28,463					28,463
Total	28,463					28,463

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	28,463					28,463
Total	28,463					28,463

Budget Impact/Other

- (14) Police vehicles scheduled to be replaced in 2021
 (1) additional vehicle contingency for expansion in 2021

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Public Works Director
Type Vehicle
Useful Life 5 years
Category Vehicles
Priority n/a

Project # PDIN 21-01
Project Name Replace Unit 58 Ford F150 Crew Cab 4x4

Description

Total Project Cost: \$30,112

Replace Unit 58 (2013) Ford F150 Crew Cab 4x4. Scheduled replacement of marked, semi-marked, and unmarked police service vehicles. All wheel drive SUV's have continued to prove their importance in our winter climate and regular extreme weather events. They provide sufficient room for increasing quantities of equipment needed to perform duties. Non-patrol vehicles must still blend in with the general public to perform law enforcement tasks, e.g. surveillance-moving and stationary, room for a long gun in the rear portion area and other emergency equipment. Vehicle replacement is delayed as appropriate based on condition and repairs. Ford Motor Company didn't manufacture police vehicles in 2020 citing new model coming out. This has resulted in increased maintenance fees and vehicles overdue for decommissioning.

Justification

Police service vehicles are considered basic, necessary equipment needed for law enforcement and public safety functions. Police service vehicles are limited to what the three major vehicle manufacturers produce. The Utility vehicle has been tested and compared to pursuit rated models and found to be the best for our needs. The Utility was chosen for the following reasons:

- Easier to keep emergency first aid equipment at the proper temperature for correct operation (computer, video recorder, and defibrillator).
- More room to carry the necessary equipment required to provide emergency services.
- Vehicle sits higher for better visibility while driving in city traffic.
- Better ergonomics for the patrol officer, reducing workman's compensation claims.
- All-wheel drive and higher frame clearance makes it less prone to getting stuck during heavy snow events.
- The center console, rear cage area and emergency lights are vehicle specific and we have cost savings through harvesting and reusing parts between decommissioning and replacing new vehicles.
- Ford discontinued the police sedan in 2019.

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	30,112					30,112
Total	30,112					30,112

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	30,112					30,112
Total	30,112					30,112

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Public Works Director
Type Vehicle
Useful Life 5 years
Category Vehicles
Priority n/a

Project # PDPA 21-01
Project Name Replace Unit 35 Ford Interceptor

Total Project Cost: \$27,203

Description

Replace Unit 35 (2014) Ford Interceptor

Scheduled replacement of marked, semi-marked, and unmarked police service vehicles. All wheel drive SUV's have continued to prove their importance in our winter climate and regular extreme weather events. They provide sufficient room for increasing quantities of equipment needed to perform duties. Non-patrol vehicles must still blend in with the general public to perform law enforcement tasks, e.g. surveillance-moving and stationary, room for a long gun in the rear portion area and other emergency equipment. Vehicle replacement is delayed as appropriate based on condition and repairs. Ford Motor Company didn't manufacture police vehicles in 2020 citing new model coming out. This has resulted in increased maintenance fees and vehicles overdue for decommissioning.

Justification

Police service vehicles are considered basic, necessary equipment needed for law enforcement and public safety functions. Police service vehicles are limited to what the three major vehicle manufacturers produce. The Utility vehicle has been tested and compared to pursuit rated models and found to be the best for our needs. The Utility was chosen for the following reasons:

- Easier to keep emergency first aid equipment at the proper temperature for correct operation (computer, video recorder, and defibrillator).
- More room to carry the necessary equipment required to provide emergency services.
- Vehicle sits higher for better visibility while driving in city traffic.
- Better ergonomics for the patrol officer, reducing workman's compensation claims.
- All-wheel drive and higher frame clearance makes it less prone to getting stuck during heavy snow events.
- The center console, rear cage area and emergency lights are vehicle specific and we have cost savings through harvesting and reusing parts between decommissioning and replacing new vehicles.
- Ford discontinued the police sedan in 2019.

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	27,203					27,203
Total	27,203					27,203

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	27,203					27,203
Total	27,203					27,203

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Public Works Director
Type Vehicle
Useful Life 5 years
Category Vehicles
Priority n/a

Project # PDPA 21-02
Project Name Replace Unit 16 Ford Interceptor SUV

Total Project Cost: \$30,857

Description

Replace Unit 16 (2015) Ford Interceptor SUV
 Scheduled replacement of marked, semi-marked, and unmarked police service vehicles.
 All wheel drive SUV's have continued to prove their importance in our winter climate and regular extreme weather events. They provide sufficient room for increasing quantities of equipment needed to perform duties. Non-patrol vehicles must still blend in with the general public to perform law enforcement tasks, e.g. surveillance-moving and stationary, room for a long gun in the rear portion area and other emergency equipment. Vehicle replacement is delayed as appropriate based on condition and repairs. Ford Motor Company didn't manufacture police vehicles in 2020 citing new model coming out. This has resulted in increased maintenance fees and vehicles overdue for decommissioning.

Justification

Police service vehicles are considered basic, necessary equipment needed for law enforcement and public safety functions. Police service vehicles are limited to what the three major vehicle manufacturers produce. The Utility vehicle has been tested and compared to pursuit rated models and found to be the best for our needs.
 The Utility was chosen for the following reasons:
 -Easier to keep emergency first aid equipment at the proper temperature for correct operation (computer, video recorder, and defibrillator).
 -More room to carry the necessary equipment required to provide emergency services.
 -Vehicle sits higher for better visibility while driving in city traffic.
 -Better ergonomics for the patrol officer, reducing workman's compensation claims.
 -All-wheel drive and higher frame clearance makes it less prone to getting stuck during heavy snow events.
 -The center console, rear cage area and emergency lights are vehicle specific and we have cost savings through harvesting and reusing parts between decommissioning and replacing new vehicles.
 -Ford discontinued the police sedan in 2019.

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	30,857					30,857
Total	30,857					30,857

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	30,857					30,857
Total	30,857					30,857

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Public Works Director
Type Vehicle
Useful Life 5 years
Category Vehicles
Priority n/a

Project # PDPA 21-07
Project Name Replace Unit 30 Ford Interceptor SUV

Total Project Cost: \$30,857

Description

Replace Unit 30 (2015) Ford Interceptor SUV
 Scheduled replacement of marked, semi-marked, and unmarked police service vehicles.
 All wheel drive SUV's have continued to prove their importance in our winter climate and regular extreme weather events. They provide sufficient room for increasing quantities of equipment needed to perform duties. Non-patrol vehicles must still blend in with the general public to perform law enforcement tasks, e.g. surveillance-moving and stationary, room for a long gun in the rear portion area and other emergency equipment. Vehicle replacement is delayed as appropriate based on condition and repairs. Ford Motor Company didn't manufacture police vehicles in 2020 citing new model coming out. This has resulted in increased maintenance fees and vehicles overdue for decommissioning.

Justification

Police service vehicles are considered basic, necessary equipment needed for law enforcement and public safety functions. Police service vehicles are limited to what the three major vehicle manufacturers produce. The Utility vehicle has been tested and compared to pursuit rated models and found to be the best for our needs.
 The Utility was chosen for the following reasons:
 -Easier to keep emergency first aid equipment at the proper temperature for correct operation (computer, video recorder, and defibrillator).
 -More room to carry the necessary equipment required to provide emergency services.
 -Vehicle sits higher for better visibility while driving in city traffic.
 -Better ergonomics for the patrol officer, reducing workman's compensation claims.
 -All-wheel drive and higher frame clearance makes it less prone to getting stuck during heavy snow events.
 -The center console, rear cage area and emergency lights are vehicle specific and we have cost savings through harvesting and reusing parts between decommissioning and replacing new vehicles.
 -Ford discontinued the police sedan in 2019.

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	30,857					30,857
Total	30,857					30,857

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	30,857					30,857
Total	30,857					30,857

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Police Captain
Type Equipment
Useful Life 10 years
Category Equipment
Priority n/a

Project # PDRW 21-02
Project Name Taser/Firearm Replace plan addtl

Description

Total Project Cost: \$18,000

Taser/Firearm replacement plan set up in 703 in 2020 has increased taser contract cost. In 2020, the 703 replacement fund was expanded to include police tasers and firearm replacements. The firearms had been purchased previously, however the tasers were implemented through a 5 year agreement totaling \$166,000 to be paid through this fund without rent collected toward their future replacement.

Justification

Technology advances are difficult to predict and are often expensive with the compliment of annual licenses and maintenance fees. Employee efficiencies are often captured with cost savings or workforce opportunities realized in other places. Officer safety needs and community expectations also influence technology needs to be able to provide the level of service often demanded.

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	18,000					18,000
Total	18,000					18,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	18,000					18,000
Total	18,000					18,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Police Captain
Type Improvement
Useful Life 10 years
Category Buildings
Priority n/a

Project # PDRW 21-04
Project Name Fire Arm Shooting Range Perimeter Fence Repair

Total Project Cost: \$5,000

Description

Fire Arm Shooting Range Perimeter Fence Repair.
The exterior security galvanized metal chain-link fence surrounding the Police Firearm Shooting Range repair due to rusted poles. This request is for minimal repairs to extend the life of the existing fencing.

A recent inspection was conducted by Dakota Fence to provide an estimate for necessary repairs to extend the life of the existing fencing. Numerous rusted poles were discovered with recommendations toward considering a future complete replacement. That cost will be significant with the ability to do minimal critical infrastructure repairs to extend the fence longevity.

Justification

The rusted poles have caused the fence to be able to be easily bypassed, thus susceptible to entry onto the firearms grounds where regular scheduled shooting training is taking place. Temporary measures are being planned for until funds could become available.
A recent inspection was conducted by Dakota Fence to provide an estimate for necessary repairs to extend the life of the existing fencing. Numerous rusted poles were discovered with recommendations toward considering a future complete replacement. That cost will be significant with the ability to do minimal critical infrastructure repairs to extend the fence longevity.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	5,000					5,000
Total	5,000					5,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	5,000					5,000
Total	5,000					5,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Police Captain
Type Equipment
Useful Life 5 years
Category Equipment
Priority n/a

Project # PDRW 21-05
Project Name Ballistic Bunker Shields (2)

Description

Total Project Cost: \$5,000

Ballistic Bunker Shields (2) for Supervisor cars \$2,500 each.
 Bullet resistant bunker shields to be made available by shift supervisors having them in their vehicles for deployment at dangerous scenes.

Justification

This officer safety tool is one that is used irregularly, often without pre-planning as long as it is available. Having this tool available through a consistent and dependable on-scene delivery procedure, the quantity to purchase can be greatly reduced. There always is a patrol supervisor on-duty and available to respond to significant on-going scenes so the request is to purchase two shields for the sergeants to have in their vehicle trunks.

Due to increased incidents involving the displaying and discharge of firearms in the city, the police sergeants request this officer safety tool be purchased to be a resource to deploy at scenes. Current inventory is housed and shared with Investigations that must have them accessible for planned search warrants. These shields are invaluable for additional protection while moving down long hallways and clearing around corners.

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	5,000					5,000
Total	5,000					5,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	5,000					5,000
Total	5,000					5,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Public Works Director
Type Vehicle
Useful Life 5 years
Category Vehicles
Priority n/a

Project # PDSS 21-01
Project Name Replace Unit 64 Jeep Wrangler Unlimited

Total Project Cost: \$34,520

Description

Replace Unit 64 (2013) Jeep Wrangler Unlimited. Scheduled replacement of marked, semi-marked, and unmarked police service vehicles.

All wheel drive SUV's have continued to prove their importance in our winter climate and regular extreme weather events. They provide sufficient room for increasing quantities of equipment needed to perform duties. Non-patrol vehicles must still blend in with the general public to perform law enforcement tasks, e.g. surveillance-moving and stationary, room for a long gun in the rear portion area and other emergency equipment. Vehicle replacement is delayed as appropriate based on condition and repairs. Ford Motor Company didn't manufacture police vehicles in 2020 citing new model coming out. This has resulted in increased maintenance fees and vehicles overdue for decommissioning.

Justification

Police service vehicles are considered basic, necessary equipment needed for law enforcement and public safety functions. Police service vehicles are limited to what the three major vehicle manufacturers produce. The Utility vehicle has been tested and compared to pursuit rated models and found to be the best for our needs.

The Utility was chosen for the following reasons:

- Easier to keep emergency first aid equipment at the proper temperature for correct operation (computer, video recorder, and defibrillator).
- More room to carry the necessary equipment required to provide emergency services.
- Vehicle sits higher for better visibility while driving in city traffic.
- Better ergonomics for the patrol officer, reducing workman's compensation claims.
- All-wheel drive and higher frame clearance makes it less prone to getting stuck during heavy snow events.
- The center console, rear cage area and emergency lights are vehicle specific and we have cost savings through harvesting and reusing parts between decommissioning and replacing new vehicles.
- Ford discontinued the police sedan in 2019.

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	34,520					34,520
Total	34,520					34,520

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	34,520					34,520
Total	34,520					34,520

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Police Department
Contact Public Works Director
Type Improvement
Useful Life 30 years
Category Buildings
Priority n/a

Project # PWF 21-04
Project Name Police Impound Extend Perimeter of Lot

Total Project Cost: \$32,500

Description

Police Impound Extend Perimeter of Lot

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	32,500					32,500
Total	32,500					32,500

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	32,500					32,500
Total	32,500					32,500

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Unassigned
Useful Life
Category Buildings
Priority n/a

Project # PW 00-01

Project Name F, F & E

Total Project Cost: \$700,000

Description

F, F & E

Justification

Prior	Expenditures	2021	2022	2023	2024	2025	Total
125,000	Furniture/Fixtures/Equipment	75,000	125,000	125,000	125,000	125,000	575,000
Total	Total	75,000	125,000	125,000	125,000	125,000	575,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
125,000	Capital Improvement Fund	75,000	125,000	125,000	125,000	125,000	575,000
Total	Total	75,000	125,000	125,000	125,000	125,000	575,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Improvement
Useful Life
Category Buildings
Priority n/a

Project # PWF 21-02
Project Name PWF Joint Facility Salt Shed

Total Project Cost: \$133,000

Description

Facility Improvements - 2021 (Reference - Year Facilities CIP)

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	66,500	66,500				133,000
Total	66,500	66,500				133,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	66,500	66,500				133,000
Total	66,500	66,500				133,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Maintenance
Useful Life 10 years
Category Equipment
Priority n/a

Project # PWF 21-06
Project Name Public Works Replace Shop Crane

Total Project Cost: \$45,500

Description

Public Works Replace Shop Crane

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	45,500					45,500
Total	45,500					45,500

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	45,500					45,500
Total	45,500					45,500

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Maintenance
Useful Life 15 years
Category Buildings
Priority n/a

Project # PWF 21-09
Project Name Library Repair Roofing

Total Project Cost: \$52,000

Description

Library Repair Roofing

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	52,000					52,000
Total	52,000					52,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	52,000					52,000
Total	52,000					52,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Improvement
Useful Life 15 years
Category Buildings
Priority n/a

Project # PWF 21-13
Project Name PWF New Carpeting, Breakroom Flooring

Total Project Cost: \$32,500

Description

PWF New Carpeting, Breakroom Flooring, and Upstairs Bathroom

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	32,500					32,500
Total	32,500					32,500

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	32,500					32,500
Total	32,500					32,500

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Maintenance
Useful Life 20 years
Category Buildings
Priority n/a

Project # PWF 21-15
Project Name Compost Site - Replace Compost Building

Total Project Cost: \$50,000

Description

Compost Site - Replace Compost Building

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	50,000					50,000
Total	50,000					50,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	50,000					50,000
Total	50,000					50,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Equipment
Useful Life 5 years
Category Equipment
Priority n/a

Project # SIGN 21-01
Project Name Replace Unit 211 Powerliner 2850 Painter

Description

Total Project Cost: \$5,606

Replace Unit 211 (2014) Powerliner 2850 Painter

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	5,606					5,606
Total	5,606					5,606

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	5,606					5,606
Total	5,606					5,606

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Vehicle
Useful Life 15 years
Category Vehicles
Priority n/a

Project # SNOW 21-01
Project Name Replace Unit 225 Salt/Sand Tandem Truck

Total Project Cost: \$240,000

Description

Replace Unit 225 Salt/Sand Tandem Truck
 (2000) International 4900

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	240,000					240,000
Total	240,000					240,000

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	240,000					240,000
Total	240,000					240,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Vehicle
Useful Life 15 years
Category Vehicles
Priority n/a

Project # SNOW 21-02
Project Name Replace Unit 226 Salt/Sand Tandem Truck

Total Project Cost: \$240,000

Description

Replace Unit 226 Salt/Sand Tandem Truck
 (2006) International 4900

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	240,000					240,000
Total	240,000					240,000

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	240,000					240,000
Total	240,000					240,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Equipment
Useful Life
Category Equipment
Priority n/a

Project # SNOW 21-03
Project Name Hydraulic Blower for Cat 938M Front End Loader

Total Project Cost: \$150,000

Description

Hydraulic Blower for Cat 938M Front End Loader

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Heavy Equipment	75,000		75,000			150,000
Total	75,000		75,000			150,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	75,000		75,000			150,000
Total	75,000		75,000			150,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Equipment
Useful Life
Category Equipment
Priority n/a

Project # SNOW 21-04
Project Name Pusher Blade for CAT 938M Front End Loader

Total Project Cost: \$50,000

Description

Pusher Blade for CAT 938M Front End Loader

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Heavy Equipment	25,000		25,000			50,000
Total	25,000		25,000			50,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	25,000		25,000			50,000
Total	25,000		25,000			50,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Vehicle
Useful Life 10 years
Category Vehicles
Priority n/a

Project # STRT 21-01
Project Name Replace Unit 218 Ford F350 1ton Cab Chassis

Total Project Cost: \$36,381

Description

Replace Unit 218 (2008) Ford F350 1ton Cab Chassis

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	36,381					36,381
Total	36,381					36,381

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	36,381					36,381
Total	36,381					36,381

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Equipment
Useful Life 20 years
Category Equipment
Priority n/a

Project # STRT 21-02
Project Name Replace Unit 400 CAT 140h Motor Grader

Total Project Cost: \$350,000

Description

Replace Unit 400 (1999) CAT 140h Motor Grader

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Heavy Equipment	350,000					350,000
Total	350,000					350,000

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	350,000					350,000
Total	350,000					350,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Equipment
Useful Life
Category Equipment
Priority n/a

Project # STRT 21-04
Project Name Replace Unit 455ST Skid Steer

Total Project Cost: \$2,000

Description

Replace Unit 455ST (2020) Bobcat S850 Skid Steer

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	2,000					2,000
Total	2,000					2,000

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	2,000					2,000
Total	2,000					2,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Vehicle
Useful Life 5 years
Category Equipment
Priority n/a

Project # STRT 21-05
Project Name Replace Unit 404 Mechanical Street Sweeper

Total Project Cost: \$295,096

Description

Replace Unit 404 (2015) Mechanical Street Sweeper
 Elgin/Freightliner Broom Bear/M2106

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	295,096					295,096
Total	295,096					295,096

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	295,096					295,096
Total	295,096					295,096

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Public Works
Contact Public Works Director
Type Equipment
Useful Life 10 years
Category Equipment
Priority n/a

Project # STRT 21-06
Project Name Caterpillar CAT 938M Front End Loader

Total Project Cost: \$400,000

Description

Caterpillar CAT 938M Front End Loader

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Heavy Equipment	200,000		200,000			400,000
Total	200,000		200,000			400,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Improvement Fund	200,000		200,000			400,000
Total	200,000		200,000			400,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Right Of Way
Contact Public Works Director
Type Equipment
Useful Life 15 years
Category Equipment
Priority n/a

Project # ROW 21-01
Project Name Replace Unit 133 Kawasaki Mule 610 4 Wheeler

Total Project Cost: \$7,837

Description

Replace Unit 133 (2007) Kawasaki Mule 610 4 Wheeler

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	7,837					7,837
Total	7,837					7,837

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	7,837					7,837
Total	7,837					7,837

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Right Of Way
Contact Public Works Director
Type Vehicle
Useful Life 15 years
Category Vehicles
Priority n/a

Project # ROW 21-02
Project Name Replace Unit 853 John Deere Tractor w/side

Total Project Cost: \$89,974

Description

Replace Unit 853 (2007) John Deere 6415 Tractor w/side

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	89,974					89,974
Total	89,974					89,974

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	89,974					89,974
Total	89,974					89,974

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Sanitation
Contact Public Works Director
Type Vehicle
Useful Life 10 years
Category Vehicles
Priority n/a

Project # SANI 21-02
Project Name Replace Unit 303 Ford F350 4x2 Reg Cab

Total Project Cost: \$28,665

Description

Replace Unit 303 (2008) Ford F350 4x2 Reg Cab

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	28,665					28,665
Total	28,665					28,665

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	28,665					28,665
Total	28,665					28,665

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Sanitation
Contact Public Works Director
Type Vehicle
Useful Life 10 years
Category Vehicles
Priority n/a

Project # SANI 21-03
Project Name Replace Unit 306 Intl 7400 6x4 Tandem Cab

Total Project Cost: \$175,000

Description

Replace Unit 306 (2010) Intl 7400 6x4 Tandem Cab

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Vehicles	175,000					175,000
Total	175,000					175,000

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	175,000					175,000
Total	175,000					175,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Sanitation
Contact Public Works Director
Type Equipment
Useful Life 20 years
Category Vehicles
Priority n/a

Project # SANI 21-04
Project Name Replace Unit 403 CAT Payloader

Total Project Cost: \$200,000

Description

Replace Unit 403 (2002) CAT Payloader

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Heavy Equipment	200,000					200,000
Total	200,000					200,000

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	200,000					200,000
Total	200,000					200,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Stormwater
Contact Public Works Director
Type Maintenance
Useful Life 20 years
Category Infrastructure
Priority n/a

Project # STWT 21-01
Project Name Flood Mitigation Improvments Local Cost

Description

Total Project Cost: \$600,000

Flood Mitigation Improvments Local Cost
 Acquire at-risk flood property and construct various flood mitigation infrastructure.

Justification

Flood mitigation improvements included in the City's Revised Flood Mitigation Plan, adopted by the City Council in 2018, are primarily funded with DNR Flood Damage Reduction (FDR) grant funds. The magnitude and frequency of grant funding has been significantly reduced in recent years. An allocation of local funding is recommended to: 1) pay for costs that are determined to be grant ineligible; 2) provide a small amount of funding, when combined with available grant funds, allows completion of an acquisition or project without waiting for the next grant allocation (which can be up to 2 years); and 3) continue appraisals, project development, and project design between grant awards in order to expeditiously encumber grant funds when they become available.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	75,000	100,000	125,000	150,000	150,000	600,000
Total	75,000	100,000	125,000	150,000	150,000	600,000

Funding Sources	2021	2022	2023	2024	2025	Total
Sewer Fund	75,000	100,000	125,000	150,000	150,000	600,000
Total	75,000	100,000	125,000	150,000	150,000	600,000

Budget Impact/Other

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Wastewater
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority n/a

Project # WWT 21-01
Project Name Sanitary Lift Station #33 & #34 Rehab

Description

Total Project Cost: \$499,000

Sanitary Lift Station #33 & #34 Rehab
 "Sanitary lift station improvements to include new electrical and control equipment, new pumps, piping and valves, external light and antenna, and site work. Sanitary #33 will also have a flow metering and valve vault added."

Justification

The proposed project is part of the City's asset management program for sanitary lift stations. An assessment of these lift stations was completed in 2010 (and updated in 2017) as part of an overall evaluation of all 44 sanitary lift stations. The evaluation report includes a condition assessment (to define the probability of a failure) combined with a consequence assessment (to define the severity of a failure) to establish a risk assessment/ranking for each lift station. The asset management program is a tool that allows staff to prioritize projects and maintain the system in a fiscally responsible manner. Projects are programmed through the Wastewater Treatment Budget annually.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Improvements	499,000					499,000
Total	499,000					499,000

Funding Sources	2021	2022	2023	2024	2025	Total
Water Fund	499,000					499,000
Total	499,000					499,000

Budget Impact/Other

These lift station improvements are included in WWT Fund 15 year budget forecast.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Wastewater
Contact Engineering
Type Improvement
Useful Life
Category Infrastructure
Priority n/a

Project # WWT 21-02
Project Name Bio-Solids Mixer Replacements

Total Project Cost: \$100,000

Description

Bio-Solids Mixer Replacements
 Replace four PTO-driven agricultural manure mixer/pumps that have reached their end of useful life.

Justification

The City's biosolids program provides for the beneficial reuse of solid wastes from the wastewater treatment process by applying biosolids as fertilizer on local farm fields. The four pumps are used to mix the biosolids in the existing storage tank and transfer the biosolids from the tank to tanker trucks to be applied on farm fields. The four pumps were purchased in the 1990's and have reached their end of useful life.

Expenditures	2021	2022	2023	2024	2025	Total
Furniture/Fixtures/Equipment	100,000					100,000
Total	100,000					100,000

Funding Sources	2021	2022	2023	2024	2025	Total
Water Fund	100,000					100,000
Total	100,000					100,000

Budget Impact/Other

These pump replacements are included in WWT Fund 15 year budget forecast.

Capital Improvement Plan

City of Moorhead, Minnesota

Data in Year 2021

Department Wastewater
Contact Public Works Director
Type Equipment
Useful Life 20 years
Category Equipment
Priority n/a

Project # WWT 21-03
Project Name Replace Unit 575 CAT Generator

Total Project Cost: \$66,730

Description

Replace Unit 575 (1997) Caterpillar Generator 3406B

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Heavy Equipment	66,730					66,730
Total	66,730					66,730

Funding Sources	2021	2022	2023	2024	2025	Total
Vehicle Replacement Fund	66,730					66,730
Total	66,730					66,730

Budget Impact/Other