2020-2024 Capital Improvement Plan



City of Northfield, Minnesota

Capital Improvement Plan

2020 thru 2024

PROJECTS BY DEPARTMENT

Department	Project #	2020	2021	2022	2023	2024	Total
City Facilities							
City Hall - Council Chamber Carpet	F-2020-001	15,000					15,000
City Hall Boiler replacement	F-2021-002		150,000				150,000
City Facilities Total		15,000	150,000				165,000
Engineering Division							
2019 TH 246 & Jefferson Parkway	E-2019-003	1,860,000					1,860,000
2020 Mill and Overlay	E-2020-002	3,673,042					3,673,042
2020 Seal Coat/Crack Fill Project	E-2020-003	57,616					57,616
2021 Mayflower Hill Reclamation	E-2021-002		2,404,953				2,404,953
2021 Seal Coat/Crack Fill Project	E-2021-003		130,043				130,043
TH 3 Frontage Road Mill and Overlay	E-2021-004		888,017				888,017
NW Area Mill and Overlay	E-2022-001			3,523,818			3,523,818
2022 Seal Coat/Crack Fill Project	E-2022-002			106,197			106,197
Southwest Area Reclamation	E-2023-001				1,788,302		1,788,302
2023 Mill and Overlay Project	E-2023-002				4,506,443		4,506,443
2024 College & Winona Street Reconstruction	E-2024-001				.,,	3,019,822	3,019,822
2024 Water Street South Reconstruction	E-2024-002					1,522,217	1,522,217
Wall Street Road Reconstruction	E-2024-003					3,126,693	3,126,693
Engineering Division Total		5,590,658	3,423,013	3,630,015	6,294,745	7,668,732	26,607,163
Park Division							
Riverside Park Playground Replacement	P-2022-001			120,000			120,000
Park Division Total				120,000			120,000
Stormwater Division							
Hills #3, Cannon & Locust Pond Dredging	SW- 2024-001					597,652	597,652
Golf Course, Parmeadow Park #1 & #3 Pond Dredging	SW-2020-001	690,477				,	690,477
West Riverwall Floodwall Extension	SW-2021-001				2,000,000		2,000,000
Prairie Hills #1 and Hidden Valley Pond Dredging	SW-2022-001			789,610			789,610
Stormwater Division Total		690,477		789,610	2,000,000	597,652	4,077,739
Street Division							
SALT STORAGE BUILDING	ST-2021-003		275,000				275,000
Street Division Total			275,000				275,000
Wastewater Division							
	WW-2020-002	200 000					200 000
Babcock Generator	WW-2020-002 WW-2020-003	200,000 53 147					
Babcock Generator MAU-2 Pretreatement Replacment	WW-2020-003	53,147					53,147
Babcock Generator			1,193,844				200,000 53,147 70,000 1,193,844

Produced Using the Plan-It Capital Planning Software

Department	Project #	2020	2021	2022	2023	2024	Total
SCADA Upgrade	WW-2021-004		1,622,500				1,622,500
MAU-5 Replacement	WW-2021-006		24,345				24,345
UV Disinfection Roof Replacement	WW-2021-007		34,500				34,500
Shop Radiant Heaters	WW-2021-008		20,000				20,000
Operations Building Roof Replacement	WW-2021-009		106,000				106,000
Influent Lift Pumps Replacement	WW-2021-010		1,372,594				1,372,594
BAF Roof Replacement	WW-2022-001			324,500			324,500
MAU-6 Replacement	WW-2022-002			62,172			62,172
Pretreatment Roof Replacement	WW-2022-003			359,900			359,900
BAF Blower Replacements	WW-2022-004			843,975			843,975
MAU-1 Replacement	WW-2023-002				29,938		29,938
MAU-2 Replacement	WW-2024-001					61,611	61,611
Wastewater Division Tot	al	323,147	5,085,346	1,590,547	29,938	61,611	7,090,589
Water Division							
St. Olaf South Ground Storage Tank Maintenance	W-2020-002	300,000					300,000
Well No. 02 Maintenance	W-2020-003	30,000					30,000
Well No. 06 Generator	W-2020-004	120,000					120,000
St. Olaf North Ground Storage Tank Maintenance	W-2020-005	300,000					300,000
Land Acquisition for Water Tank in NW Area	W-2021-002		250,000				250,000
Well No. 03 Maintenance	W-2023-001				30,000		30,000
Well No. 03 MCC Replacement	W-2023-002				200,000		200,000
Well No. 03 Generator Replacement	W-2023-003				120,000		120,000
Well No. 04 Maintenance	W-2024-001					30,000	30,000
Well No. 04 Generator Replacement	W-2024-002					120,000	120,000
Well No. 04 MCC Replacement	W-2024-003					200,000	200,000
Water Division Tot	al	750,000	250,000		350,000	350,000	1,700,000
GRAND TOTA	L	7,369,282	9,183,359	6,130,172	8,674,683	8,677,995	40,035,491

City of Northfield, Minnesota

Capital Improvement Plan

2020 thru 2024

PROJECTS BY FUNDING SOURCE

Source	Project #	2020	2021	2022	2023	2024	Total
Assessments							
2020 Mill and Overlay	E-2020-002	848,559					848,559
2021 Mayflower Hill Reclamation	E-2021-002		744,030				744,030
TH 3 Frontage Road Mill and Overlay	E-2021-004		368,725				368,725
NW Area Mill and Overlay	E-2022-001			1,225,533			1,225,533
Southwest Area Reclamation	E-2023-001				492,345		492,345
2023 Mill and Overlay Project	E-2023-002				976,203		976,203
2024 College & Winona Street Reconstruction	E-2024-001					293,440	293,440
2024 Water Street South Reconstruction	E-2024-002					119,420	119,420
Wall Street Road Reconstruction	E-2024-003					367,004	367,004
Assessments Tot	tal	848,559	1,112,755	1,225,533	1,468,548	779,864	5,435,259
Bonded Dollars							
2020 Mill and Overlay	E-2020-002	2,379,939					2,379,939
2021 Mayflower Hill Reclamation	E-2021-002		1,555,636				1,555,636
TH 3 Frontage Road Mill and Overlay	E-2021-004		391,553				391,553
NW Area Mill and Overlay	E-2022-001			1,281,672			1,281,672
Southwest Area Reclamation	E-2023-001				1,195,177		1,195,177
2023 Mill and Overlay Project	E-2023-002				757,862		757,862
2024 College & Winona Street Reconstruction	E-2024-001					1,444,916	1,444,916
2024 Water Street South Reconstruction	E-2024-002					756,863	756,863
Wall Street Road Reconstruction	E-2024-003					442,967	442,967
Bonded Dollars Tot	tal	2,379,939	1,947,189	1,281,672	1,953,039	2,644,746	10,206,585
City Facilities Fund							
City Hall - Council Chamber Carpet	F-2020-001	15,000					15,000
City Hall Boiler replacement	F-2021-002		150,000				150,000
SALT STORAGE BUILDING	ST-2021-003		275,000				275,000
City Facilities Fund Tot	tal	15,000	425,000				440,000
Grant							
2019 TH 246 & Jefferson Parkway	E-2019-003	1,300,000					1,300,000
Riverside Park Playground Replacement	P-2022-001			60,000			60,000
Grant Tot	tal	1,300,000		60,000			1,360,000
MSA							
2019 TH 246 & Jefferson Parkway	E-2019-003	420,000					420,000
2020 Mill and Overlay	E-2020-002	0					0
2020 Seal Coat/Crack Fill Project	E-2020-003	57,616					57,616

E-2021-003 E-2022-001 E-2022-002 E-2023-002 I P-2022-001 I E-2022-001 E-2024-003	477,616	130,043 130,043	0 106,197 106,197 60,000 60,000 280,254	2,179,300 2,179,300		106,197 2,179,300 2,893,156 60,000
E-2022-002 E-2023-002	477,616	130,043	106,197 106,197 60,000 60,000			0 106,197 2,179,300 2,893,156 60,000 60,000
E-2023-002	477,616	130,043	106,197 60,000 60,000			2,179,300 2,893,156 60,000
■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ = = = = = = = = = = = = =	477,616	130,043	60,000 60,000			2,893,156 60,000
P-2022-001	477,616	130,043	60,000 60,000	2,179,300		60,000
L E-2022-001 E-2024-003			60,000			
L E-2022-001 E-2024-003			60,000			
E-2022-001 E-2024-003						60,000
E-2024-003			280,254			
E-2024-003			280,254			
						280,254
1 					989,963	989,963
_			280,254		989,963	1,270,217
						140,000
	240,054	40 400				240,054
						48,432 68,979
		00,979	201 /05			08,979 201,495
			201,493	17 367		201,495 47,367
						345,296
				545,270	338 224	338,224
						170,485
						350,178
						597,652
SW-2020-001	690.477					690,477
SW-2021-001				2,000,000		2,000,000
SW-2022-001			789,610			789,610
1	1,070,531	117,411	991,105	2,392,663	1,456,539	6,028,249
_						
E 2020 002						155 500
	155,590	44 224				155,590
						46,326 44,709
		44,709	106 062			44,709 406,962
			400,702	11 313		400,902 44,343
						44,545 188,530
				100,000	317 410	317,410
						159,993
						328,629
	200.000				020,027	200,000
						53,147
						70,000
	. 5,000	1,193.844				1,193,844
WW-2021-003		711,563				711,563
WW-2021-004						1,622,500
WW-2021-006		24,345				24,345
	SW-2021-001 SW-2022-001	E-2020-002 240,054 E-2021-004 E-2022-001 E-2022-001 E-2023-002 E-2023-002 E-2024-001 E-2024-001 690,477 SW-2020-001 690,477 SW-2022-001 690,477 SW-2022-001 1,070,531 I 1,070,531 E-2023-002 155,590 E-2021-004 E-2022-001 E-2022-001 E-2021-002 E-2021-002 155,590 E-2023-001 E-2023-002 E-2023-002 200,000 WW-2020-003 53,147 WW-2021-002 200,000 WW-2021-003 WW-2021-003 WW-2021-004 70,000	$E \cdot 2020 \cdot 002$ $240,054$ $E \cdot 2021 \cdot 002$ $48,432$ $E \cdot 2021 \cdot 004$ $68,979$ $E \cdot 2022 \cdot 001$ $E \cdot 2023 \cdot 002$ $E \cdot 2023 \cdot 002$ $E \cdot 2024 \cdot 003$ $E \cdot 2024 \cdot 003$ $5W \cdot 2024 \cdot 001$ $SW \cdot 2024 \cdot 001$ $690,477$ $SW \cdot 2022 \cdot 001$ $1070,531$ II $I,070,531$ $II \cdot 2023 \cdot 002$ $155,590$ $E \cdot 2021 \cdot 002$ $46,326$ $E \cdot 2021 \cdot 002$ $46,326$ $E \cdot 2021 \cdot 004$ $44,709$ $E \cdot 2023 \cdot 001$ $E \cdot 2023 \cdot 002$ $E \cdot 2024 \cdot 001$ $E \cdot 2023 \cdot 002$ $E \cdot 2024 \cdot 003$ $53,147$ $WW \cdot 2020 \cdot 003$ $53,147$ $WW \cdot 2020 \cdot 003$ $53,147$ $WW \cdot 2021 \cdot 002$ $1,193,844$ $WW \cdot 2021 \cdot 003$ $711,563$ $WW \cdot 2021 \cdot 004$ $1,622,500$	E-2020-002 $240,054$ $E-2021-004$ $68,979$ $E-2022-001$ $201,495$ $E-2023-002$ 2024.001 $E-2024-001$ $690,477$ $E-2024-003$ $5W-2024-001$ $SW-2020-001$ $690,477$ $SW-2020-001$ $46,326$ $E-2021-002$ $46,326$ $E-2021-002$ $46,326$ $E-2022-001$ $406,962$ $E-2022-001$ $406,962$ $E-2022-001$ $406,962$ $E-2024-002$ $E-2024-002$ $E-2024-003$ $WW-2020-002$ $WV-2020-003$ $53,147$ $WW-2020-004$ $70,000$ $WW-2021-002$ $1,193,844$ $WW-2021-003$ $711,563$ $WW-2021-004$ $1,622,500$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

Source	Project #	2020	2021	2022	2023	2024	Total
UV Disinfection Roof Replacement	WW-2021-007		34,500				34,500
Shop Radiant Heaters	WW-2021-008		20,000				20,000
Operations Building Roof Replacement	WW-2021-009		106,000				106,000
Influent Lift Pumps Replacement	WW-2021-010		1,372,594				1,372,594
BAF Roof Replacement	WW-2022-001			324,500			324,500
MAU-6 Replacement	WW-2022-002			62,172			62,172
Pretreatment Roof Replacement	WW-2022-003			359,900			359,900
BAF Blower Replacements	WW-2022-004			843,975			843,975
MAU-1 Replacement	WW-2023-002				29,938		29,938
MAU-2 Replacement	WW-2024-001					61,611	61,611
Waste Water Fund T	otal	478,737	5,176,381	1,997,509	262,811	867,643	8,783,081
Water Fund							
2020 Mill and Overlay	E-2020-002	48,900					48,900
2021 Mayflower Hill Reclamation	E-2021-002		10,529				10,529
TH 3 Frontage Road Mill and Overlay	E-2021-004		14,051				14,051
NW Area Mill and Overlay	E-2022-001			127,902			127,902
Southwest Area Reclamation	E-2023-001				9,070		9,070
2023 Mill and Overlay Project	E-2023-002				59,252		59,252
2024 College & Winona Street Reconstruction	E-2024-001					625,832	625,832
2024 Water Street South Reconstruction	E-2024-002					315,456	315,456
Wall Street Road Reconstruction	E-2024-003					647,952	647,952
St. Olaf South Ground Storage Tank Maintenance	W-2020-002	300,000					300,000
Well No. 02 Maintenance	W-2020-003	30,000					30,000
Well No. 06 Generator	W-2020-004	120,000					120,000
St. Olaf North Ground Storage Tank Maintenance	W-2020-005	300,000					300,000
Land Acquisition for Water Tank in NW Area	W-2021-002		250,000				250,000
Well No. 03 Maintenance	W-2023-001				30,000		30,000
Well No. 03 MCC Replacement	W-2023-002				200,000		200,000
Well No. 03 Generator Replacement	W-2023-003				120,000		120,000
Well No. 04 Maintenance	W-2024-001					30,000	30,000
Well No. 04 Generator Replacement	W-2024-002					120,000	120,000
Well No. 04 MCC Replacement	W-2024-003					200,000	200,000
Water Fund T	otal	798,900	274,580	127,902	418,322	1,939,240	3,558,944
GRAND TOT	AL	7,369,282	9,183,359	6,130,172	8,674,683	8,677,995	40,035,491

2020 thru 2024

Department City Facilities City of Northfield, Minnesota Contact Type Facility Project # F-2020-001 Useful Life Project Name City Hall - Council Chamber Carpet Category Capital Improvement Plan (CI Total Project Cost: \$15,000 Description Replacment of Carpet in the City Hall Council Chamber. The Sertoma Club as part of this project will be funding hearing aid wire looping that will be placed below the carpet.

on						
Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	15,000					15,000
Total	15,000					15,000
Funding Sources	2020	2021	2022	2023	2024	Total
City Facilities Fund	15,000					15,000

Total

15,000

15,000

2020 thru 2024

City of N	ity of Northfield, Minnesota		City Facilities
	orunneid, winniesota	Contact	
Project #	F-2021-002	Туре	Improvement
Project Name	City Hall Boiler replacement	Useful Life	20 years
110,0001,0000	City Han Doner replacement	Category	Capital Improvement Plan (CI

Description		Total Project Cost: \$150,000							
emove and replace steam boiler w	ith high eff	ficiency cond	ensing boiler						
Justification									
Expenditures		2020	2021	2022	2023	2024	Total		
Construction/Maintenar	nce		150,000				150,000		
	Total		150,000				150,000		
Funding Sources		2020	2021	2022	2023	2024	Total		
City Facilities Fund			150,000				150,000		

2020 thru 2024

	City of N	orthfield, Minnesota	Department	Engineering Division
		ortimeta, winnesota	Contact	Public Works Director
	Project #	E-2019-003	Туре	Improvement
	Project Name	2010 TH 246 & Lefforger Derlyver	Useful Life	75 years
		2019 TH 246 & Jefferson Parkway	Category	Capital Improvement Plan (CI

Description				Total	Project Cost:	\$1,860,000	
TH 246 and Jefferson Parkway Int	ersection Improvements						
Justification							
Expenditures	2020	2021	2022	2023	2024	Total	

L		-	-	 -	
Construction/Maintenance	1,860,000				1,860,000
Total	1,860,000				1,860,000

Funding Sources		2020	2021	2022	2023	2024	Total
Grant		1,300,000					1,300,000
MSA		420,000					420,000
Stormwater Fund		140,000					140,000
	Total	1,860,000					1,860,000



2020 thru 2024

Total Project Cost: \$3,673,042

City of Northfield, Minnesota Department Engineering Division Project # E-2020-002 Type Public Works Director Project Name 2020 Mill and Overlay Type Improvement Plan (CI

Description

1-1/2" Pavement Mill and Overlay on First Street from Union Street to Maple Street, Second Street from College Street to Oak Street, Third Street from Washington Street to Oak Street, Fourth Street from Nevada Street to Prairie Street, College Street from First Street to Third Street, Winona Street from First Street to Fourth Street, Nevada Street from First Street to Fourth Street, Maple Street from Second Street to Fourth Street, Elm Street from Second Street to Fifth Street, Oak Street from Second Street to Fourth Street, Jefferson Road from Hidden Valley Road to Heritage Drive, Heritage Drive from TH #3 to Hidden Valley Apts, Seventh Street from Water Street to the west dead end, and Eighth Street from Water Street to Linden Street

Justification

These road segments have been identified by Public Works personnel as a likely candidate for a 1-1/2" mill and overlay based on the current pavement condition and the current condition of the existing utilities.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	3,673,042					3,673,042
Total	3,673,042					3,673,042

Funding Sources		2020	2021	2022	2023	2024	Total
Assessments		848,559					848,559
Bonded Dollars		2,379,939					2,379,939
MSA		0					0
Stormwater Fund		240,054					240,054
Waste Water Fund		155,590					155,590
Water Fund		48,900					48,900
	Total	3,673,042					3,673,042

Capital Improvement Plan City of Northfield, Minnesota

DepartmentEngineering DivisionContactPublic Works Director



Capital Improvement Plan 2				2020	thru 2024				
City of N	Northfield, Minne	esota					-	Engineering Division	
	·						Contact	Public Works Director	
Project #	E-2020-003							Maintenance	
Project Name	2020 Seal Coat/Cr	ack F	ill Proiect			10 years			
							Category	Capital Improvement Plan (CI	
							D • • • • • • •	•••	
Description	1					Total	Project Cost:	\$57,616	
Justification	n								
J	Expenditures		2020	2021	2022	2023	2024	Total	
	Construction/Maintenance		57,616					57,616	
	Construction/maintenance								

Funding Sources		2020	2021	2022	2023	2024	Total
MSA		57,616					57,616
	Total	57,616					57,616



2020 thru 2024

City of Northfield, Minnesota

Project #E-2021-002Project Name2021 Mayflower Hill Reclamation

Mayflower Hill Area Reclamation pavement rehabilitation

Department Engineering Division Contact Public Works Director

Type Road

Useful Life

Category Capital Improvement Plan (CI

Total Project Cost: \$2,404,953

Justification

Description

These road segments have been identified by Public Works personnel to be likely candidates for a full depth pavement reclamation based on the current pavement condition, coupled with the current condition of the existing utilities.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance		2,404,953				2,404,953
Total		2,404,953				2,404,953

Funding Sources	202	0 2021	2022	2023	2024	Total
Assessments		744,030				744,030
Bonded Dollars		1,555,636				1,555,636
Stormwater Fund		48,432				48,432
Waste Water Fund		46,326				46,326
Water Fund		10,529				10,529
	Total	2,404,953				2,404,953



Capital	l Improvement Pla		2020	thru 2024			
City of	f Northfield, Minne	esota				-	Engineering Division Public Works Director
Project # Project Na	E-2021-003 ame 2021 Seal Coat/Cr	ack Fill Project	x Fill Project			Type Useful Life	Maintenance
Descripti	ion				Total	Project Cost:	\$130,043
Justificat	tion						
	Expenditures	2020	2021	2022	2023	2024	Total
	Construction/Maintenance		130,043				130,043

Funding Sources	2020	2021	2022	2023	2024	Total
MSA		130,043				130,043
	Total	130,043				130,043



2020 thru 2024

City of Northfield, Minnesota

Project #E-2021-004Project NameTH 3 Frontage Road Mill and Overlay

Department Engineering Division Contact Public Works Director

Type Road

Useful Life

Category Capital Improvement Plan (CI

Total Project Cost:	\$888,017
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TH 3 Frontage Road mill and overlay project

Justification

Description

These road segments have been identified by Public Works personnel as a likely candidate for a 1-1/2" mill and overlay based on the current pavement condition and the current condition of the existing utilities.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance		888,017				888,017
Total		888,017				888,017

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments		368,725				368,725
Bonded Dollars		391,553				391,553
Stormwater Fund		68,979				68,979
Waste Water Fund		44,709				44,709
Water Fund		14,051				14,051
	Total	888,017				888,017



2020 thru 2024

City of Northfield, Minnesota

Project # E-2022-001

Project Name NW Area Mill and Overlay

DepartmentEngineering DivisionContactPublic Works Director

Type Improvement

Useful Life

Total Project Cost: \$3,523,818

Category Capital Improvement Plan (CI

Description

1-1/2" Pavement Mill and Overlay on First Street from Union Street to Maple Street, Second Street from College Street to Oak Street, Third Street from Washington Street to Oak Street, Fourth Street from Nevada Street to Prairie Street, College Street from First Street to Third Street, Winona Street from First Street to Fourth Street, Nevada Street from First Street to Fourth Street, Maple Street from Second Street to Fourth Street, Elm Street from Second Street to Fifth Street, Oak Street from Second Street to Fourth Street, Jefferson Road from Hidden Valley Road to Heritage Drive, Heritage Drive from TH #3 to Hidden Valley Apts, Seventh Street from Water Street to the west dead end, and Eighth Street from Water Street to Linden Street

Justification

These road segments have been identified by Public Works personnel as a likely candidate for a 1-1/2" mill and overlay based on the current pavement condition and the current condition of the existing utilities.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance			3,523,818			3,523,818
Total			3,523,818			3,523,818

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments			1,225,533			1,225,533
Bonded Dollars			1,281,672			1,281,672
MSA			0			0
Rice County			280,254			280,254
Stormwater Fund			201,495			201,495
Waste Water Fund			406,962			406,962
Water Fund			127,902			127,902
T	otal		3,523,818			3,523,818

City of Northfield, Minnesota

DepartmentEngineering DivisionContactPublic Works Director



Capital	Improvement Plan	2020	thru 2024					
- City of	Northfield, Minnesota	Я				Department	Engineering Division	
	1 (or united), 1/111110500	A				Contact	Public Works Director	
Project #	E-2022-002					Туре	Maintenance	
Project Nan						Useful Life	10 years	
		in roject				Category	Capital Improvement Plan (CI	
					Total	Project Cost.	¢107 107	
Descriptio	n				Total	Project Cost:	\$106,197	
Justificatio								
Justificatio								
	Expenditures	2020	2021	2022	2023	2024	Total	
	Construction/Maintenance			106,197			106,197	
	Total			106,197			106,197	
	Funding Sources	2020	2021	2022	2023	2024	Total	
	MEA			104 107			104 107	

Funding Sources	-	2020	2021	2022	2023	2024	Total
MSA				106,197			106,197
	Total			106,197			106,197



2020 thru 2024

City of Northfield, Minnesota

Project #E-2023-001Project NameSouthwest Area Reclamation

DepartmentEngineering DivisionContactPublic Works Director

Type Road

Useful Life

Category Capital Improvement Plan (CI

Description	Total Project Cost: \$1,788,302
Heritage Drive, Hidden Valley Road, I	Peterson Drive, Lincoln Street, Adams Street, Taylor Court, Thomas Court, Tyler Court, Adams Court
Justification	
e	ied by Public Works personnel to be likely candidates for a full depth pavement reclamation based on the ith the current condition of the existing utilities.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance				1,788,302		1,788,302
Total				1,788,302		1,788,302

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments				492,345		492,345
Bonded Dollars				1,195,177		1,195,177
Stormwater Fund				47,367		47,367
Waste Water Fund				44,343		44,343
Water Fund				9,070		
To	otal			1,788,302		1,788,302



2020 thru 2024

City of Northfield, Minnesota

Project #E-2023-002Project Name2023 Mill and Overlay Project

DepartmentEngineering DivisionContactPublic Works Director

Type Unassigned

Useful Life

Category Capital Improvement Plan (CI

Description	Total Project Cost: \$4,506,443						
Pavement Mill and Overlay and ADA updgrades on Jefferson Parkway, Prairie Street, Park Drive, Central Lane, Fareway Drive, Grant Drive, Grant Drive, Grant Court, Hayes Drive, Ford Street, Johson Street, Carter Drive, Harrison Court, Johnson Court, Anderson Drive, Aspen Court, Aspen Street, Arbor Street, and Sunny View Drive. Justification These road segments have been identified by Public Works personnel as a likely candidate for a 1-1/2" mill and overlay based on the current							
Justification							
These road segments have been identif pavement condition and the current con							

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance				4,506,443		4,506,443
Total				4,506,443		4,506,443

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments				976,203		976,203
Bonded Dollars				757,862		757,862
MSA				2,179,300		2,179,300
Stormwater Fund				345,296		345,296
Waste Water Fund				188,530		188,530
Water Fund				59,252		59,252
To	otal			4,506,443		4,506,443



2020 thru 2024

City of Northfield, Minnesota

Project # E-2024-001

Project Name 2024 College & Winona Street Reconstruction

 Department
 Engineering Division

 Contact
 Public Works Director

 Type
 Improvement

 Useful Life
 40 years

 Category
 Capital Improvement Plan (CI

Total Project Cost: \$3,019,822

Complete infrastructure replacement on College Street from Seventh Street to Woodley Street, Winona Street from Seventh Street to Woodley Street, Eighth Street from College Street to Winona Street, and Ninth Street from College Street to Woodley Street.

Justification

Description

This project area has been identified Public Works personnel as a likely candidate for a complete reconstruction based on the current pavement condition, and the current condition of the existing utilities.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance					3,019,822	3,019,822
Tota	1				3,019,822	3,019,822

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments					293,440	293,440
Bonded Dollars					1,444,916	1,444,916
Stormwater Fund					338,224	338,224
Waste Water Fund					317,410	317,410
Water Fund					625,832	625,832
То	otal				3,019,822	3,019,822



2020 thru 2024

Type Road

1,522,217

1,522,217

Department Engineering Division City of Northfield, Minnesota Contact Public Works Director Project # E-2024-002 Useful Life Project Name 2024 Water Street South Reconstruction Category Capital Improvement Plan (CI

Description				Total	Project Cost:	\$1,522,217	
Water Street South Reconstruction - co	omplete street reconst	ruction due to	aging infrastruc	ture.			
Justification							
DP 4	2020	2021	2022	2022	2024	T - 4 - 1	
Expenditures	2020	2021	2022	2023	2024	Total	
Construction/Maintenance	•				1,522,217	1,522,217	

Total	

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments					119,420	119,420
Bonded Dollars					756,863	756,863
Stormwater Fund					170,485	170,485
Waste Water Fund					159,993	159,993
Water Fund					315,456	315,456
Тс	otal				1,522,217	1,522,217



2020 thru 2024

City of Northfield, Minnesota

Project # E-2024-003 Project Name Wall Street Road Reconstruction **Department** Engineering Division Contact Public Works Director

Type Road

Useful Life

Category Capital Improvement Plan (CI

Description	n				Tota	Project Cost:	\$3,126,693	
Reconstruction	on of Wall Street Road fro	om Prairie Street to S	pring Creek Ro	oad, including p	edeestrian upg	rades in coopera	tion with Rice C	County.
Justificatio	on							
Complete rec	construction of Wall Stree	t Road from Fourth S	Street to Rosew	ood Road.				
	Expenditures	2020	2021	2022	2023	2024	Total	
_	Construction/Maintenance					3,126,693	3,126,693	

F	 -	-	 -	
Construction/Maintenance			3,126,693	3,126,693
Total			3,126,693	3,126,693

Funding Sources	2020	2021	2022	2023	2024	Total
Assessments					367,004	367,004
Bonded Dollars					442,967	442,967
Rice County					989,963	989,963
Stormwater Fund					350,178	350,178
Waste Water Fund					328,629	328,629
Water Fund					647,952	647,952
To	otal				3,126,693	3,126,693



2020 thru 2024

Department Park Division City of Northfield, Minnesota Contact Type Equipment Project # P-2022-001 **Useful Life** Project Name Riverside Park Playground Replacement Category Capital Improvement Plan (CI Total Project Cost: \$120,000 Description Riverside park has the oldest playgournd equipment in the City. The equipment was installed in 1996. Justification Expenditures 2020 2021 2022 2023 2024 Total Construction/Maintenance 120,000 120,000 120,000 120,000 Total **Funding Sources** 2020 2022 2023 2024 Total 2021 Grant 60,000 60,000 Park Fund 60,000 60,000

120,000

120,000

Total

Construction/Maintena	ance Total					597,652 597,652	
Funding Sources		2020	2021	2022	2023	2024	
Stormwater Fund						597,652	
	Total					597,652	

Total Project Cost: \$597,652 Description Pond Dredging on Hills of Spring Creek #3, Cannon Commercial, & Locust Upper Pond

Project # SW- 2024-001 Project Name Hills #3, Cannon & Locust Pond Dredging

Capital Improvement Plan

Justification

City of Northfield, Minnesota

2020 thru 2024



Type Maintenance

Useful Life

Category Capital Improvement Plan (CI

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance					597,652	597,652
Tota	1				597,652	597,652
Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund					597,652	597,652
Tota	al				597,652	597,652



City of Northfield, Minnesota

Project # SW-2020-001

Description

Project Name Golf Course, Parmeadow Park #1 & #3 Pond Dredging

690,477

Total

ication ponds were ranked priorty #1, #2							
	2, and #7 in th	ne 2017 S	Storm Pond As	ssessment Stud	for percent ful	l of sediment.	
Expenditures	202	20	2021	2022	2023	2024	Total
Construction/Maintenance	69	0,477					690,477
Т	Cotal 69	0,477					690,477
Т	Total 69	0,477					690,477
Т	Fotal 69	0,477					690,477
Т	Fotal 69	0,477					690,477
T Funding Sources		0,477 0 20	2021	2022	2023	2024	690,477 Total



Page 20

2020 thru 2024

Department Stormwater Division
Contact

Type Maintenance

Useful Life

Total Project Cost: \$690,477

Category Capital Improvement Plan (CI

690,477

Capital	Improvement F	lan			2020	thru 2024		
City of	Northfield, Mir	nnesota					Department Contact	Stormwater Division
Project #	SW-2021-001						Туре	Unassigned
Project Nan		Floodwa	all Extensi	on			Useful Life	
		1100411					Category	Capital Improvement Plan (Cl
Descriptio		_				Total	Project Cost:	\$2,000,000
Descriptio	ш						0	
Justificati	on							
	Expenditures		2020	2021	2022	2023	2024	Total
	Construction/Maintena	nce				2,000,000		2,000,000
		Total				2,000,000		2,000,000
	Funding Sources		2020	2021	2022	2023	2024	Total
	Stormwater Fund					2,000,000		2,000,000
		Total				2,000,000		2,000,000

Description

1 TT' 1 1 \$7.11 DID

Project Name Prairie Hills #1 and Hidden Valley Pond Dredging

Project #

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance			789,610			789,610
Tot	al		789,610			789,610
Funding Sources	2020	2021	2022	2023	2024	Total
Stormwater Fund			789,610			789,610
То	otal		789,610			789,610



2020 thru 2024

Department Stormwater Division Contact

Total Project Cost: \$789,610

Type Maintenance

Useful Life

Category Capital Improvement Plan (CI

Pond dredging of Prairie Hills Pond #1 a	nd Hidden Valley	Park Pond				
Justification						
TThese ponds were ranked priorty $\#3, \&$	#5 in the 2017 St	orm Pond Asse	ssment Study fo	or percent full of	f sediment.	
Expenditures	2020	2021	2022	2023	2024	

Capital Improvement Plan City of Northfield, Minnesota

SW-2022-001

2020 thru 2024

City of Northfield, Minnesota Project # ST-2021-003

Project Name SALT STORAGE BUILDING

Department Street Division
Contact Public Works Director

Type Facility

Useful Life

Category Capital Improvement Plan (CI

on				Total	Project Cost:	\$275,000
X 80' Salt Storage Bui	lding.					
on						
building now does no	t have the conscity Uni	hl	with boot inion (nd dump truck	under a cover	ed structure
bunding now does no	t have the capacity. One	ible to mix sait v	with beet juice a			eu su ueture.
Expenditures	2020	2021	2022	2023	2024	Total
	2020					

Funding Sources	2020	2021	2022	2023	2024	Total
City Facilities Fund		275,000				275,000
T	Total	275,000				275,000



2020 thru 2024

City of N	Northfield, Minnesot					Department	Wastewater Division
City of r	Norumeia, Minnesor	là				Contact	Public Works Director
Project #	WW-2020-002					Туре	Improvement
Project Name						Useful Life	20 years
1 Toject Naik	Babcock Generator					Category	Capital Improvement Plan (CI
Description	1				Tota	l Project Cost:	\$200,000
Permenant ge	enerator at Babcock Lift Station						
Justificatio	n						
Provides the	City with a backup in case of a	power failure th	at will automa	atically turn on.			
	Expenditures	2020	2021	2022	2023	2024	Total
_	Construction/Maintenance	200,000					200,000
	Total	200,000					200,000

Funding Sources		2020	2021	2022	2023	2024	Total
Waste Water Fund		200,000					200,000
	Total	200,000					200,000

City of Northfield, Minnesota Department Wastewater Diction Project # WW-2020-003 Type Maintenance Project Name MAU-2 Pretreatement Replacment Useful Life 10 years Category Category Capital Improv Description Total Project Cost: \$53,147	
Project Name MAU-2 Pretreatement Replacment Description Total Project Cost:	
Description Total Project Cost: \$53,147	
	vement Plan (Cl
Justification	
Justification	
Expenditures 2020 2021 2022 2023 2024 Total	
Construction/Maintenance53,14753,147	_
Total 53,147 53,147	-
Funding Sources 2020 2021 2022 2023 2024 Total	
Funding Sources 2020 2021 2022 2023 2024 10tai Waste Water Fund 53,147 53,1	

53,147

53,147

Total

2020 thru 2024

Department Wastewater Division City of Northfield, Minnesota Contact Public Works Director Type Improvement Project # WW-2020-004 Useful Life 10 years Project Name In-line Phosphorous Analyzer Category Capital Improvement Plan (CI Total Project Cost: \$70,000

Description	Total Project Cost: \$70,000
1 1 5	s wwtp staff to have continuos monitoring of phosphorous at the wwtp. Chemical pumps then can dose
chemicals based upon phosphorous co	incentrations.

Justification	
The in-line phosphorous analyzer is ne	eded to continually monitor the plants phosphorous concentration. The need for this is based upon
proposed phosphorous loading allocation	ons given by the Minnesota Pollution Control Agency to the wwtp permit.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	70,000)				70,000
То	tal 70,000)				70,000
Funding Sources	2020	2021	2022	2023	2024	Total
Funding Sources Waste Water Fund	2020 70,00	-	2022	2023	2024	Total 70,000

Capital Improvement Pla	an	2020 thru 2024		
City of Northfield, Minn	asota		Department	Wastewater Division
City of Norumeia, Minin	esola		Contact	Public Works Director
Project # WW-2021-002			Туре	Improvement
	Storage		Useful Life	25 years
Project Name Biosolids Liquid S	Storage		Category	Capital Improvement Plan (CI
	1	Total	Project Cost	¢1 102 044
Description		Total	Project Cost:	\$1,193,844

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance		1,193,844				1,193,844
Total		1,193,844				1,193,844

Funding Sources	2020	2021	2022	2023	2024	Total
Waste Water Fund		1,193,844				1,193,844
Tot	tal	1,193,844				1,193,844



Justification

2020 thru 2024

City of Northfield, Minnesota

Project #WW-2021-003Project NameBioSolids Cake Storage

 Department
 Wastewater Division

 Contact
 Public Works Director

 Type
 Improvement

 Useful Life
 20 years

 Category
 Capital Improvement Plan (CI

711,563

Total Project Cost: \$711,563 Description BioSolids cake storage. This is the final product created by the biosolids process. The current storage building is inadequate in storage capacity and the building is in poor condition. Justification The biosolids cake storage upgrade was identified in the 2015 WWTP Facility Study. Expenditures 2020 2021 2022 2023 2024 Total Construction/Maintenance 711,563 711,563 711,563 711,563 Total **Funding Sources** 2020 2023 2024 Total 2021 2022 Waste Water Fund 711,563 711,563

711,563

Total

2020 thru 2024

City of N	orthfield, Minnesota	Department	Wastewater Division
City of IN	orumeid, minnesota	Contact	Public Works Director
Project #	WW-2021-004	Туре	Equipment
Project Name	SCADA Upgrade	Useful Life	15 years
	SCADA Opgrade	Category	Capital Improvement Plan (CI

Description				Total	Project Cost:	\$1,622,500
Replacement of major Supervisory and	l Control Data Acqui	isition (SCADA)	components a	t the wastewate	r treatment pla	nt.
Justification						
CADA upgrade was identified in the	2015 WWTP Facilit	y Study.				
Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	ŀ	1,622,500				1,622,500
	Fotal	1,622,500				1,622,500
Funding Sources	2020	2021	2022	2023	2024	Total
		1,622,500				1,622,500
Waste Water Fund		1,022,300				
	Total	1,622,500				1,622,500

2020 thru 2024

City of Northfield, Minnesota	Department Wastewater Division		
erry of Norumend, Mininesota	Contact	t Public Works Director	
Project # WW-2021-006	Туре	Equipment	
	Useful Life	20 years	
Project Name MAU-5 Replacement	AU-5 Keptacement Category Capital Improvement Pl	Capital Improvement Plan (CI	
Description Replacement of MAU-5. Justification	Total Project Cost:	\$24,345	
The MAU-5 replacement upgrade was identified in the 2015 WWTP Fac	ility Study.		

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance		24,345				24,345
Tot	al	24,345				24,345
Funding Sources	2020	2021	2022	2023	2024	Total
Waste Water Fund		24,345				24,34
То	tal	24,345				24,34
2020 thru 2024

Department Wastewater Division City of Northfield, Minnesota Contact Public Works Director Type Facility Project # WW-2021-007 Useful Life 20 years Project Name UV Disinfection Roof Replacement Category Capital Improvement Plan (CI Total Project Cost: \$34,500 Description Replacement of the UV disinfection roof. Justification The UV disinfection roof replacement upgrade was identified in the 2015 WWTP Facility Study. Expenditures 2020 2021 2022 2023 2024 Total Construction/Maintenance 34,500 34,500 34,500 34,500 Total

Funding Sources	2020	2021	2022	2023	2024	Total
Waste Water Fund		34,500				34,500
	Total	34,500				34,500

2020 thru 2024 **Capital Improvement Plan** Department Wastewater Division City of Northfield, Minnesota Contact Public Works Director Type Maintenance Project # WW-2021-008 Useful Life 15 years Project Name Shop Radiant Heaters Category Capital Improvement Plan (CI Total Project Cost: \$20,000 Description Replace the existing shop radiant heaters. Justification Replace the existing shop radiant heaters that are aging. Expenditures 2020 2021 2022 2023 2024 Total Construction/Maintenance 20,000 20,000 20,000 20,000 Total

Funding Sources	2020	2021	2022	2023	2024	Total
Waste Water Fund		20,000				20,000
Tot	al	20,000				20,000

Capital Improvem	nent Plan			2020	thru 2024			
City of Northfield	l Minnesota					Department	Wastewater Division	
City of Northineid	vorumend, winnesota					Contact	Public Works Director	
Project # WW-2021-009						Туре	Maintenance	
	ns Building Ro	of Renlace	ement			Useful Life	25 years	
· Operation	ns Dunuing Ru	or Replace	ement			Category	Capital Improvement Pl	an (CI
Description					Total	Project Cost:	\$106,000	
Justification								
Expenditure	es	2020	2021	2022	2023	2024	Total	
Construction/M	laintenance		106,000				106,000	
	Total		106,000				106,000	
Funding So	urces	2020	2021	2022	2023	2024	Total	
Waste Water I			106,000				106,000	

106,000

Total

106,000

Capital Improvement Plan 2020 thru 2024 Department Wastewater Division City of Northfield, Minnesota Contact Public Works Director Type Improvement Project # WW-2021-010 Useful Life 20 years Project Name Influent Lift Pumps Replacement Category Capital Improvement Plan (CI

Total

1,372,594

escription					Total	Project Cost:	\$1,372,594
blace influent lift pumps.							
stification							
ntified in 2015 Facility Study.							
Expenditures		2020	2021	2022	2023	2024	Total
Expenditures Construction/Mainten	ance	2020	2021 1,372,594	2022	2023	2024	Total 1,372,594
	ance Total	2020		2022	2023	2024	
		2020	1,372,594	2022	2023	2024	1,372,594
		2020	1,372,594	2022	2023	2024	1,372,594
		2020	1,372,594	2022	2023	2024	1,372,594
	Total	2020	1,372,594	2022	2023	2024	1,372,594
Construction/Mainten	Total		1,372,594 1,372,594				1,372,594 1,372,594

1,372,594

2020 thru 2024

City of 1	- Northfield Minn	acata		Department			Wastewater Division	
City of I	City of Northfield, Minnesota						Public Works Director	
Project #	WW-2022-001						Facility	
Project Nam						Useful Life	20 years	
	BAF Roof Replac	ement				Category	Capital Improvement Plan (CI	
Descriptio	n]			Tota	l Project Cost:	\$324,500	
Replacement	t of the BAF Roof.							
Justificatio]						
The BAF roo	of replacement upgrade w	as identified in the 20	015 WWTP Fac	cility Study.				
	Expenditures	2020	2021	2022	2023	2024	Total	
	Construction/Maintenance	9		324,500			324,500	
		Total		324,500			324,500	

Funding Sources	2020	2021	2022	2023	2024	Total
Waste Water Fund			324,500			324,500
To	otal		324,500			324,500

Construction/Maintenance

Funding Sources

Waste Water Fund

Total

Total

2020

2021

2020 thru 2024

City of Northfield, Minnesota				Department	Wastewater Division Public Works Director	
City of Norumeia, Mini	Contact					
Project # WW-2022-002	Туре	Equipment				
				Useful Life	20 years	
Project Name MAU-6 Replacer	Category	Capital Improvement Plan (CI				
Description	7			Total Project Cost:	\$62,172	
Replacement of MAU-6.						
Justification	7					
The MAU-6 replacement upgrade wa	identified in the 201	5 WWTP Facil	ity Study.			
Expenditures	2020	2021	2022	2023 2024	Total	

62,172

62,172

2022

62,172

62,172

2023

2024

62,172

62,172

Total

62,172

62,172

2020 thru 2024

Department Wastewater Division City of Northfield, Minnesota Contact Public Works Director Type Facility Project # WW-2022-003 Useful Life 20 years Project Name Pretreatment Roof Replacement Category Capital Improvement Plan (CI Total Project Cost: \$359,900 Description Replacement of the Pretreatment Building Roof. Justification The BAF roof replacement upgrade was identified in the 2015 WWTP Facility Study. Expenditures 2020 2021 2022 2023 2024 Total Construction/Maintenance 359,900 359,900 359,900 359,900 Total **Funding Sources** 2020 2022 2023 2024 Total 2021 359,900 Waste Water Fund 359,900

359,900

359,900

Total

2020 thru 2024

City of Northfield, Minnesota		Wastewater Division Public Works Director
Project #WW-2022-004Project NameBAF Blower Replacements	Useful Life	Improvement 20 years Capital Improvement Plan (CI
Description	Total Project Cost:	\$843,975

Replacement of the blower assemblies in the BAF building.

Justification	
This was identified in the 2015 Facility	y Study.

Expenditures	2020	2021	2022	2023	2024	Total
Equip/Vehicles/Furnishings			843,975			843,975
Total			843,975			843,975

Funding Sources	2020	2021	2022	2023	2024	Total
Waste Water Fund			843,975			843,975
T	otal		843,975			843,975

2020 thru 2024

City of Northfield, Minnesota	Department	Wastewater Division	
City of Norumeid, Winnesota	Contact	Public Works Director	
Project # WW-2023-002	Туре	Improvement	
Project Name MAU-1 Replacement	Useful Life	10 years	
MAU-1 Replacement	Category		
Description	al Project Cost:	\$29,938	
MAU-1 replacement.			

 Justification

 The MAU-1 replacement upgrade was identified in the 2015 WWTP Facility Study.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance				29,938		29,938
Т	Total			29,938		29,938
Funding Sources	2020	2021	2022	2023	2024	Total
				29,938		29,938
Waste Water Fund						

2020 thru 2024

City of Northfield, Minnesota	Department	Wastewater Division
City of Northmeid, Winnesota	Contact	Public Works Director
Project # WW-2024-001	Туре	Improvement
Project Name MAU-2 Replacement	Useful Life	10 years
MAU-2 Replacement	Category	Capital Improvement Plan (CI
	Total Project Cost:	\$61 611
Description	Total Project Cost.	\$01,011
MAU-2 replacement.		

 Justification

 The MAU-2 replacement upgrade was identified in the 2015 WWTP Facility Study.

Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenance	9				61,611	61,611
	Total				61,611	61,611
Funding Sources	2020	2021	2022	2023	2024	Total
Waste Water Fund					61,611	61,611
					61,611	61,611

Project Name St. Olaf South Ground Storage Tank Maintenance

Project #

Capital Improvement Plan

City of Northfield, Minnesota

W-2020-002

		Project Cost:	Total				on
Expenditures 2020 2021 2022 2023 2024 Construction/Maintenance 300,000							he St. Olaf ground storage tanks.
Expenditures 2020 2021 2022 2023 2024 Construction/Maintenance 300,000 <							
Expenditures 2020 2021 2022 2023 2024 Construction/Maintenance 300,000							
Construction/Maintenance 300,000							ion
Expenditures 2020 2021 2022 2023 2024 Construction/Maintenance 300,000 <					of the paint.	he useful life o	t of paint to the tanks will extend t
Construction/Maintenance 300,000							
Construction/Maintenance 300,000							
Construction/Maintenance 300,000							
Construction/Maintenance 300,000							
		2024	2022	2022	2021	2020	
Total	Total	2024	2023	2022	2021	2020	Expenditures
	Total 300,000	2024	2023	2022	2021		
		2024	2023	2022	2021	300,000	Construction/Maintenance
	300,000	2024	2023	2022	2021	300,000	Construction/Maintenance
	300,000		2023	2022	2021	300,000	Construction/Maintenance
	300,000				2021	300,000	Construction/Maintenance

Funding Sources		2020	2021	2022	2023	2024	Total
Water Fund		300,000					300,000
	Total	300,000					300,000



2020 thru 2024

Department Water Division

Contact Public Works Director

Type Maintenance

Useful Life

Category Capital Improvement Plan (CI

2020 thru 2024

Department Water Division Project # W-2020-003 Project # W-2020-003 Maintenance Project Name Well No. 02 Maintenance Maintenance Search Category Capital Improvement Plan (CI

Description					Total	Project Cost:	530,000
Pulling Well No. 02 and replace	ing the column	pipe. This is a	standard mair	itenance practic	e conducted on	wells.	
Justification							
tandard well maintenance, co	mpleted every 8	3 years.					
Expenditures		2020	2021	2022	2023	2024	Total
			2021	2022	2025	2024	
Construction/Main	tenance	30,000					30,000
	Total	30,000					30,000
Funding Sour	ces	2020	2021	2022	2023	2024	Total
Water Fund		30,000					30,000



2020 thru 2024

Total Project Cost: \$120,000

City of Northfield, Minnesota	•	Water Division Public Works Director
Project # W-2020-004	••	Maintenance
Project Name Well No. 06 Generator	Useful Life Category	25 years Capital Improvement Plan (CI

	ion	Total Project Cost: \$120,000						
Well No. 6	6 Generator.							
Justificat	ion							
	the 2015 Well No. 6 project a gener d from that project.	ator pad along	with a transfe	r switch were in	nstalled for a fu	ture generator.	This is the generation	itor to
	Expenditures	2020	2021	2022	2023	2024	Total	
	Expenditures Construction/Maintenance	2020 120,000	2021	2022	2023	2024	Total 120,000	
			2021	2022	2023	2024		

Funding Sources		2020	2021	2022	2023	2024	Total
Water Fund		120,000					120,000
	Total	120,000					120,000

2020 thru 2024

City of	Northfield, Minnes	ota				Department	Water Division
		ota				Contact	Public Works Director
Project #	W-2020-005					Туре	Maintenance
Project Nan		nd Storage Ta	ank Mainte	nance		Useful Life	
		nu Storage 12				Category	Capital Improvement Plan (C
					_		
Descriptio	n				Tota	l Project Cost:	\$300,000
Overcoat the	e St. Olaf north ground storag	e tanks.					
Tractificanti							
Justificati		6.1.11.6 6.1	•				
An overcoat	t of paint will help extend the	useful life of the p	baint.				
	Expenditures	2020	2021	2022	2023	2024	Total
	Construction/Maintenance	300,000					300,000
	Tot	al 300,000					300,000

Funding Sources		2020	2021	2022	2023	2024	Total
Water Fund		300,000					300,000
	Total	300,000					300,000



2020 thru 2024

City of Northfield, Minnesota Project # W-2021-002 Project Name Land Acquisition for Water Tank in NW Area

Total Project Cost: \$250,000 Description Acquire land in northwest annexation area for future water tank. The tower site would need to be roughly 5 acres in size. Justification Service enterprise park in the in NW annexation area. Expenditures 2020 2021 2022 2023 2024 Total Land Acquisition 250,000 250,000 250,000 250,000 Total **Funding Sources** 2020 2022 2023 2024 Total 2021 Water Fund 250,000 250,000 250,000 250,000 Total



DepartmentWater DivisionContactPublic Works Director

Type Land Useful Life 40 years

Category Capital Improvement Plan (CI

2020 thru 2024

City of Northfield, Minnesota Department Water Division Project # W-2023-001 Project Maintenance Maintenance Project Name Well No. 03 Maintenance A Years Category Capital Improvement Plan (CI

Description	Total Project Cost: \$30,000					
ulling Well No. 03 and replacing the	e column pipe. This is	a standard main	ntenance practic	ce conducted on	wells.	
ustification	1					
tandard well maintenance, complete	ed every 8 years.					
Expenditures	2020	2021	2022	2023	2024	Total
Construction/Maintenanc	e			30,000		30,000
	Total			30,000		30,000
	2020	2021	2022	2022	2024	
Funding Sources	2020	2021	2022	2023	2024	Total
Water Fund				30,000		30,000
	Total			30,000		30,000

2020 thru 2024

City of Northfield, Minnesota						Department	Water Division	
	norumeta, Mining	Contact			t Public Works Director			
Project #	W-2023-002					Туре	Equipment	
Project Nan		Donlocomont				Useful Life	25 years	
Troject I van	ne Well No. 03 MCC	Keplacement				Category	Capital Improvement Plan (CI	
Descriptio	on		Total	Project Cost:	\$200,000			
Replacemer	nt of well no. 3 motor contro	ol center (MCC) and	SCADA comp	onents.				
Justificati	on							
	the control will be updated.							
	Expenditures	2020	2021	2022	2023	2024	Total	
	Construction/Maintenance				200,000		200,000	
	Т	Cotal			200,000		200,000	
	Funding Sources	2020	2021	2022	2023	2024	Total	
	Water Fund				200,000		200,000	
		Total			200,000		200,000	

Total

Capital Improvement Plan 2020 thru 2024 Department Water Division City of Northfield, Minnesota Contact Public Works Director Project # W-2023-003

Project Name Well No. 03 Generator Replacement

Type Improvement Useful Life 20 years Category Capital Improvement Plan (CI

Total Project Cost: \$120,000 Description Replace the existing gernerator. Justification This is the end of the generators useful life. Expenditures 2020 2021 2022 2023 2024 Total Equip/Vehicles/Furnishings 120,000 120,000 120,000 120,000 Total **Funding Sources** 2020 2022 2023 2024 Total 2021 Water Fund 120,000 120,000 120,000 120,000 Total

2020 thru 2024

City of Northfield, Minnesota Department Water Division Project # W-2024-001 Project Maintenance Unassigned Project Name Well No. 04 Maintenance 8 Years Category Capital Improvement Plan (CI

escription				Total	Project Cost: \$.	30,000			
ling Well No. 04 and replacing the	Well No. 04 and replacing the column pipe. This is a standard maintenance practice conducted on wells.								
- / ° C* / °									
stification									
ndard well maintenance, completed	l every 8 years.								
Expenditures	2020	2021	2022	2023	2024	Total			
Expenditures Construction/Maintenance	2020	2021	2022	2023	2024 30,000	Total 30,000			
Construction/Maintenance	9	2021	2022	2023					
Construction/Maintenance		2021	2022	2023	30,000	30,000			
Construction/Maintenance	9	2021	2022	2023	30,000	30,000			
Construction/Maintenance	9	2021	2022	2023	30,000	30,000			
Construction/Maintenance	9	2021	2022	2023	30,000	30,000			
Construction/Maintenance	e Total				30,000 30,000	30,000 30,000			
Construction/Maintenance	9	2021	2022	2023	30,000 30,000 2024	30,000 30,000 Total			
Construction/Maintenance	e Total				30,000 30,000	30,000 30,000			

Capital Improvement Plan 2020 thru 2024 Department Water Division City of Northfield, Minnesota Contact Public Works Director Type Improvement Project # W-2024-002 Useful Life 20 years Project Name Well No. 04 Generator Replacement Category Capital Improvement Plan (CI Total Project Cost: \$120,000 Description Replace the existing gernerator. Justification This is the end of the generators useful life. Expenditures 2020 2021 2022 2023 2024 Total

2022

2023

120,000

120,000

2024

120,000

120,000

120,000

120,000

Total

120,000

120,000

Equip/Vehicles/Furnishings

Funding Sources

Water Fund

Total

Total

2020

2021

2020 thru 2024

200,000

200,000

City of	Northfield, Minneso	esota				-	t Water Divisiont Public Works Director	
j	- · · · · · · · · · · · · · · · · · · ·			Contact				
Project #	W-2024-003				Туре	Equipment		
Project Name Well No. 04 MCC Replacement						Useful Life	25 years	
	Wen No. 04 Mice Replacement					Category	Capital Improvement Plan (C	
Descripti	on				Total	Project Cost:	\$200,000	
Replaceme	nt of well no. 4 motor control cer	nter (MCC) and	l SCADA comp	onents.				
Justificat	ion							
	No. 4 MCC is an original piece of the control will be updated.	equipment from	m 1977. The eq	uipment replace	ed will be all of	the SCADA e	equipment, the elect	trical
	Expenditures	2020	2021	2022	2023	2024	Total	
	Construction/Maintenance					200,000	200,000	
	Total					200,000	200,000	
	Funding Sources	2020	2021	2022	2023	2024	Total	
	Water Fund					200,000	200,000	

Total