

2021-2025 Capital Improvement Plan



City of Northfield, Minnesota

Capital Improvement Plan

2021 thru 2025

PROJECTS BY DEPARTMENT

Department	Project #	2021	2022	2023	2024	2025	Total
City Facilities							
City Hall Boiler replacement	F-2021-002					150,000	150,000
Training Room Furniture	F-2021-004		20,000				20,000
Ice Arena Water Heater	F-2021-005	40,000					40,000
Ice Arena Locker Room Make Up Air	F-2021-006				60,000		60,000
Ice Arena Office and lobby furnace	F-2021-007			10,000			10,000
Pool replaster	F-2021-008					200,000	200,000
Replace flushometers in Pool locker rooms	F-2021-009		10,000				10,000
replace chlorniators at pool	F-2021-010	15,000					15,000
Pool pump replacement	F-2021-011					15,000	15,000
Pool Strainer replacement	F-2021-012		10,000				10,000
Street shop HVAC upgrades	F-2021-013	20,000					20,000
City Facilities Total		75,000	40,000	10,000	60,000	365,000	550,000
Engineering Division							
2021 Reclamation & Mill and Overlay Project	E-2021-002	3,713,595					3,713,595
2021 Seal Coat/Crack Fill Project	E-2021-003	130,043					130,043
NW Area Mill and Overlay	E-2022-001		3,523,818				3,523,818
2022 Seal Coat/Crack Fill Project	E-2022-002		95,454				95,454
Sechler Road Railroad Crossing Improvement	E-2022-003		230,000				230,000
Southwest Area Reclamation	E-2023-001			1,523,329			1,523,329
2023 Mill and Overlay Project	E-2023-002			5,928,921			5,928,921
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
2025 Street Reclamation Project	E-2025-001					682,575	682,575
Engineering Division Total		3,843,638	3,849,272	7,452,250	7,668,732	682,575	23,496,467
Information Technology							
Phone System Upgrade	IT-2025-001					50,000	50,000
Information Technology Total						50,000	50,000
NCRC							
New Pool Heaters	NCRC 2021-01		10,000				10,000
RegROUT Swimming Pool	NCRC 2021-02	25,000					25,000
Exterior Painting	NCRC 2024-01				10,000		10,000
NCRC Total		25,000	10,000		10,000		45,000
Park Division							
Riverside Park Playground Replacement	P-2022-001		120,000				120,000
Oddfellows Park Bathroom	ST-2021-005	100,000					100,000
Riverside Pickle Ball Courts	ST-2021-006	100,000					100,000

Department	Project #	2021	2022	2023	2024	2025	Total
Park Division Total		200,000	120,000				320,000
Stormwater Division							
Hills #3, Cannon & Locust Pond Dredging	SW- 2024-001				597,652		597,652
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			789,610	2,000,000	597,652		3,387,262
Street Division							
SALT STORAGE BUILDING	ST-2021-003	275,000					275,000
COMPOST SITE BUILDING	ST-2021-004	50,000					50,000
Street Division Total		325,000					325,000
Wastewater Division							
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
Biosolids Liquid Storage	WW-2022-005		1,193,844				1,193,844
BioSolids Cake Storage	WW-2022-006		711,563				711,563
SCADA Upgrade	WW-2022-007		1,622,500				1,622,500
Shop Radiant Heaters	WW-2022-008		20,000				20,000
Operations Building Roof Replacement	WW-2022-009		106,000				106,000
Influent Lift Pumps Replacement	WW-2022-010		1,372,594				1,372,594
MAU-5 Replacement	WW-2022-012		24,345				24,345
UV Disinfection Roof Replacement	WW-2022-013		34,500				34,500
MAU-1 Replacement	WW-2023-002			29,938			29,938
MAU-2 Replacement	WW-2024-001				61,611		61,611
MAU 4 BAF Pipe Gallery Replacement	WW-2025-001					37,539	37,539
Water Reuse System	WW-2025-004					192,088	192,088
WWTP Generator Replacement	WW-2025-005					1,175,000	1,175,000
Wastewater Division Total			6,675,893	29,938	61,611	1,404,627	8,172,069
Water Division							
Land Acquisition for Water Tank in NW Area	W-2022-002		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 Total			250,000	350,000	350,000		950,000
GRAND TOTAL		4,468,638	11,734,775	9,842,188	8,747,995	2,502,202	37,295,798

City of Northfield, Minnesota

Capital Improvement Plan

2021 thru 2025

PROJECTS BY FUNDING SOURCE

Source	Project #	2021	2022	2023	2024	2025	Total
Assessments							
2021 Reclamation & Mill and Overlay Project	E-2021-002	958,972					958,972
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			607,655			607,655
2024 College & Winona Street Reconstruction	E-2024-001				433,162		433,162
2024 Water Street South Reconstruction	E-2024-002				218,346		218,346
Wall Street Road Reconstruction	E-2024-003				448,492		448,492
2025 Street Reclamation Project	E-2025-001					646,342	646,342
Assessments Total		958,972	1,225,533	1,100,000	1,100,000	646,342	5,030,847
Bonded Dollars							
2021 Reclamation & Mill and Overlay Project	E-2021-002	2,386,939					2,386,939
NW Area Mill and Overlay	E-2022-001		1,281,672				1,281,672
Southwest Area Reclamation	E-2023-001			945,641			945,641
2023 Mill and Overlay Project	E-2023-002			3,362,853			3,362,853
2024 College & Winona Street Reconstruction	E-2024-001				1,305,194		1,305,194
2024 Water Street South Reconstruction	E-2024-002				657,937		657,937
Wall Street Road Reconstruction	E-2024-003				361,479		361,479
2025 Street Reclamation Project	E-2025-001					0	0
Bonded Dollars Total		2,386,939	1,281,672	4,308,494	2,324,610	0	10,301,715
Capital Reserve Fund							
Sechler Road Railroad Crossing Improvement	E-2022-003		23,000				23,000
City Hall Boiler replacement	F-2021-002					150,000	150,000
Ice Arena Locker Room Make Up Air	F-2021-006				60,000		60,000
Pool replaster	F-2021-008					200,000	200,000
SALT STORAGE BUILDING	ST-2021-003	275,000					275,000
Capital Reserve Fund Total		275,000	23,000		60,000	350,000	708,000
City Facilities Fund							
Training Room Furniture	F-2021-004		20,000				20,000
Ice Arena Water Heater	F-2021-005	40,000					40,000
Ice Arena Office and lobby furnace	F-2021-007			10,000			10,000
Replace flushometers in Pool locker rooms	F-2021-009		10,000				10,000
replace chlorniators at pool	F-2021-010	15,000					15,000
Pool pump replacement	F-2021-011					15,000	15,000
Pool Strainer replacement	F-2021-012		10,000				10,000
Street shop HVAC upgrades	F-2021-013	20,000					20,000
City Facilities Fund Total		75,000	40,000	10,000		15,000	140,000

Source	Project #	2021	2022	2023	2024	2025	Total
Garbage Fund							
COMPOST SITE BUILDING	ST-2021-004	50,000					50,000
Garbage Fund Total		50,000					50,000
MSA							
2021 Seal Coat/Crack Fill Project	E-2021-003	130,043					130,043
NW Area Mill and Overlay	E-2022-001		0				0
2022 Seal Coat/Crack Fill Project	E-2022-002		95,454				95,454
2023 Mill and Overlay Project	E-2023-002			1,406,000			1,406,000
MSA Total		130,043	95,454	1,406,000			1,631,497
NRRC Fund							
New Pool Heaters	NCRC 2021-01		10,000				10,000
RegROUT Swimming Pool	NCRC 2021-02	25,000					25,000
Exterior Painting	NCRC 2024-01				10,000		10,000
NRRC Fund Total		25,000	10,000		10,000		45,000
Other							
Sechler Road Railroad Crossing Improvement	E-2022-003		207,000				207,000
Other Total			207,000				207,000
Park Fund							
Riverside Park Playground Replacement	P-2022-001		120,000				120,000
Oddfellows Park Bathroom	ST-2021-005	100,000					100,000
Riverside Pickle Ball Courts	ST-2021-006	100,000					100,000
Park Fund Total		200,000	120,000				320,000
Rice County							
NW Area Mill and Overlay	E-2022-001		280,254				280,254
Wall Street Road Reconstruction	E-2024-003				989,963		989,963
Rice County Total			280,254		989,963		1,270,217
Stormwater Fund							
2021 Reclamation & Mill and Overlay Project	E-2021-002	157,064					157,064
NW Area Mill and Overlay	E-2022-001		201,495				201,495
Southwest Area Reclamation	E-2023-001			39,258			39,258
2023 Mill and Overlay Project	E-2023-002			460,589			460,589
2024 College & Winona Street Reconstruction	E-2024-001				338,224		338,224
2024 Water Street South Reconstruction	E-2024-002				170,485		170,485
Wall Street Road Reconstruction	E-2024-003				350,178		350,178
2025 Street Reclamation Project	E-2025-001					16,667	16,667
Hills #3, Cannon & Locust Pond Dredging	SW- 2024-001				597,652		597,652
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

Source	Project #	2021	2022	2023	2024	2025	Total
Stormwater Fund Total		157,064	991,105	2,499,847	1,456,539	16,667	5,121,222
Waste Water Fund							
2021 Reclamation & Mill and Overlay Project	E-2021-002	118,863					118,863
NW Area Mill and Overlay	E-2022-001		406,962				406,962
Southwest Area Reclamation	E-2023-001			37,551			37,551
2023 Mill and Overlay Project	E-2023-002			62,827			62,827
2024 College & Winona Street Reconstruction	E-2024-001				317,410		317,410
2024 Water Street South Reconstruction	E-2024-002				159,993		159,993
Wall Street Road Reconstruction	E-2024-003				328,629		328,629
2025 Street Reclamation Project	E-2025-001					15,943	15,943
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
Biosolids Liquid Storage	WW-2022-005		1,193,844				1,193,844
BioSolids Cake Storage	WW-2022-006		711,563				711,563
SCADA Upgrade	WW-2022-007		1,622,500				1,622,500
Shop Radiant Heaters	WW-2022-008		20,000				20,000
Operations Building Roof Replacement	WW-2022-009		106,000				106,000
Influent Lift Pumps Replacement	WW-2022-010		1,372,594				1,372,594
MAU-5 Replacement	WW-2022-012		24,345				24,345
UV Disinfection Roof Replacement	WW-2022-013		34,500				34,500
MAU-1 Replacement	WW-2023-002			29,938			29,938
MAU-2 Replacement	WW-2024-001				61,611		61,611
MAU 4 BAF Pipe Gallery Replacement	WW-2025-001					37,539	37,539
Water Reuse System	WW-2025-004					192,088	192,088
WWTP Generator Replacement	WW-2025-005					1,175,000	1,175,000
Waste Water Fund Total		118,863	7,082,855	130,316	867,643	1,420,570	9,620,247
Water Fund							
2021 Reclamation & Mill and Overlay Project	E-2021-002	91,757					91,757
NW Area Mill and Overlay	E-2022-001		127,902				127,902
Southwest Area Reclamation	E-2023-001			8,534			8,534
2023 Mill and Overlay Project	E-2023-002			28,997			28,997
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
2025 Street Reclamation Project	E-2025-001					3,623	3,623
Land Acquisition for Water Tank in NW Area	W-2022-002		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 Total		91,757	377,902	387,531	1,939,240	3,623	2,800,053
GRAND TOTAL		4,468,638	11,734,775	9,842,188	8,747,995	2,452,202	37,245,798

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Improvement

Useful Life 20 years

Category Capital Improvement Plan (CI

Project # F-2021-002
Project Name City Hall Boiler replacement

Total Project Cost: \$150,000

Description

Remove and replace steam boiler with high efficiency condensing boiler

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance					150,000	150,000
Total					150,000	150,000

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

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Equipment

Useful Life 10 years

Category Capital Improvement Plan (CI

Project #	F-2021-004
Project Name	Training Room Furniture

Description	Total Project Cost: \$20,000
Repalce the tables and chairs in the City Hall training room	

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings		20,000				20,000
Total		20,000				20,000

Funding Sources	2021	2022	2023	2024	2025	Total
City Facilities Fund		20,000				20,000
Total		20,000				20,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Equipment

Useful Life

Category Capital Improvement Plan (CI

Project # F-2021-005

Project Name Ice Arena Water Heater

Total Project Cost: \$40,000

Description

Replace the current water heating system for the ice making water.

Justification

The current system is beyond its useful lifecycle and repairs are becoming more frequent

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings	40,000					40,000
Total	40,000					40,000

Funding Sources	2021	2022	2023	2024	2025	Total
City Facilities Fund	40,000					40,000
Total	40,000					40,000

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Equipment

Useful Life

Category Capital Improvement Plan (CI

Project # F-2021-006

Project Name Ice Arena Locker Room Make Up Air

Total Project Cost: \$60,000

Description

Replace the furnace for the locker rooms with a make up air unit

Justification

The current system does not bring in adequate fresh air and is inefficient at keeping the space comfortable.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings				60,000		60,000
Total				60,000		60,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Reserve Fund				60,000		60,000
Total				60,000		60,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Equipment

Useful Life

Category Capital Improvement Plan (CI

Project # F-2021-007

Project Name Ice Arena Office and lobby furnace

Total Project Cost: \$10,000

Description

Replace the furnace that services the lobby, office and bathrooms at the ice arena

Justification

The current unit is beyond its current useful life and repairs are becoming frequent.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings			10,000			10,000
Total			10,000			10,000

Funding Sources	2021	2022	2023	2024	2025	Total
City Facilities Fund			10,000			10,000
Total			10,000			10,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Maintenance

Useful Life

Category Capital Improvement Plan (CI

Project # F-2021-008

Project Name Pool replaster

Description

Total Project Cost: \$200,000

Replaster the Main pool and tot pool.

Justification

The current plaster is cracking and leaking and is stained and faded. The tile beds are eroding and tiles are becoming loose. The cracking plaster and loose tiles present locations to injure a swimmer.

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

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

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Equipment

Useful Life

Category Capital Improvement Plan (CI

Project # F-2021-009

Project Name Replace flushometers in Pool locker rooms

Description

Total Project Cost: \$10,000

Replace automatic flush valves at the pool

Justification

The current valves are original and have gone through several freeze and thaw cycles. They are becoming unreliable and require a lot of annual maintenance.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings		10,000				10,000
Total		10,000				10,000

Funding Sources	2021	2022	2023	2024	2025	Total
City Facilities Fund		10,000				10,000
Total		10,000				10,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Equipment

Useful Life

Category Capital Improvement Plan (CI)

Project # F-2021-010

Project Name replace chlorniators at pool

Total Project Cost: \$15,000

Description

Replace the chlorniators at the pool

Justification

The chlorniators are original to the pool and orignalal parts are difficult to find. Modern chlorniators are more effective and efficient at keeping the pool chemistry at a safe level for swimmers.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings	15,000					15,000
Total	15,000					15,000

Funding Sources	2021	2022	2023	2024	2025	Total
City Facilities Fund	15,000					15,000
Total	15,000					15,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Equipment

Useful Life

Category Capital Improvement Plan (CI)

Project #	F-2021-011
Project Name	Pool pump replacement

Description	Total Project Cost: \$15,000
Replace the main pump for the large pool	

Justification
The main pump is original and is approaching the end of its useful lifecycle.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings					15,000	15,000
Total					15,000	15,000

Funding Sources	2021	2022	2023	2024	2025	Total
City Facilities Fund					15,000	15,000
Total					15,000	15,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Equipment

Useful Life

Category Capital Improvement Plan (CI)

Project #	F-2021-012
Project Name	Pool Strainer replacement

Description	Total Project Cost: \$10,000
Replace the main strainer for the pool.	

Justification
The strainer is a original to the pools construction and parts are no longer available. The strainer is the first line of filtration for the pool and prevents large debris from damaging the pumping equipment and filters.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings		10,000				10,000
Total		10,000				10,000

Funding Sources	2021	2022	2023	2024	2025	Total
City Facilities Fund		10,000				10,000
Total		10,000				10,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department City Facilities

Contact

Type Equipment

Useful Life

Category Capital Improvement Plan (CI

Project # F-2021-013

Project Name Street shop HVAC upgrades

Description

Total Project Cost: \$20,000

Replace CO and NO2 sensors and tie them into the make up air units.

Justification

The current sensors do not tie into the make up air units and do not turn them on automatically when the air in the shop has excess levels of CO or NO2.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings	20,000					20,000
Total	20,000					20,000

Funding Sources	2021	2022	2023	2024	2025	Total
City Facilities Fund	20,000					20,000
Total	20,000					20,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Engineering Division

Contact Public Works Director

Type Road

Useful Life

Category Capital Improvement Plan (CI)

Project # E-2021-002

Project Name 2021 Reclamation & Mill and Overlay Project

Description

Total Project Cost: \$3,713,595

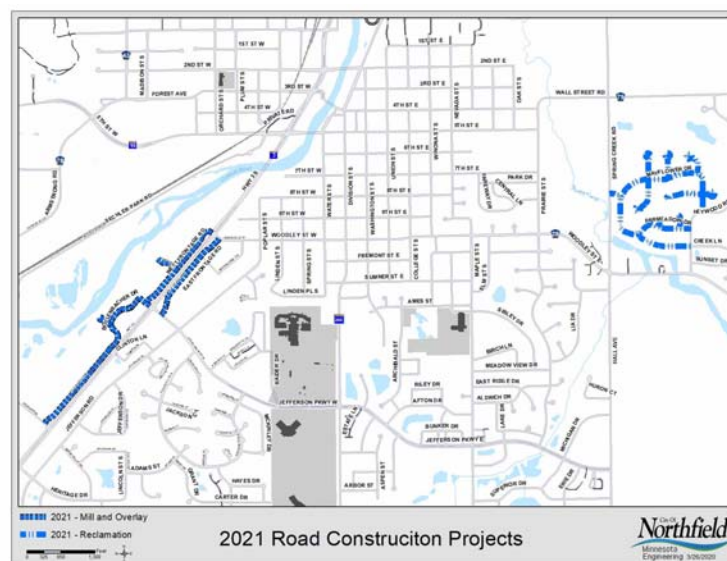
Mayflower Hill Area Reclamation pavement rehabilitation

Justification

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	2021	2022	2023	2024	2025	Total
Construction/Maintenance	3,713,595					3,713,595
Total	3,713,595					3,713,595

Funding Sources	2021	2022	2023	2024	2025	Total
Assessments	958,972					958,972
Bonded Dollars	2,386,939					2,386,939
Stormwater Fund	157,064					157,064
Waste Water Fund	118,863					118,863
Water Fund	91,757					91,757
Total	3,713,595					3,713,595



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Engineering Division
Contact Public Works Director
Type Maintenance
Useful Life 10 years
Category Capital Improvement Plan (CI)

Project #	E-2021-003
Project Name	2021 Seal Coat/Crack Fill Project

Description	Total Project Cost: \$130,043
Justification	

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance	130,043					130,043
Total	130,043					130,043

Funding Sources	2021	2022	2023	2024	2025	Total
MSA	130,043					130,043
Total	130,043					130,043



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Engineering Division
Contact Public Works Director
Type Improvement
Useful Life
Category Capital Improvement Plan (CI)

Project # E-2022-001
Project Name NW Area Mill and Overlay

Description

Total Project Cost: \$3,523,818

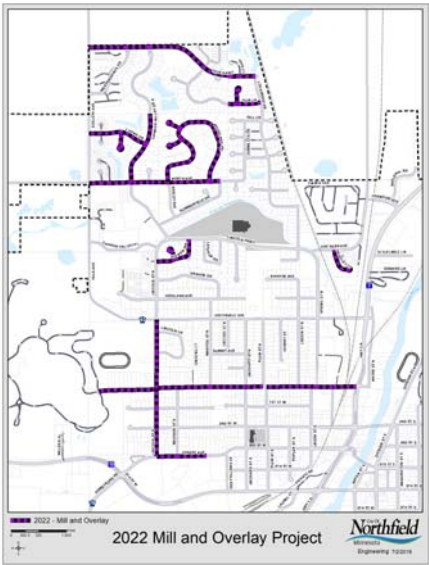
1-1/2" Pavement Mill and Overlay on First Street from Union Street to Maple Street, Second Street from College Street to Oak Street, Third Street from Washington Street to Oak Street, Fourth Street from Nevada Street to Prairie Street, College Street from First Street to Third Street, Winona Street from 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	2021	2022	2023	2024	2025	Total
Construction/Maintenance		3,523,818				3,523,818
Total		3,523,818				3,523,818

Funding Sources	2021	2022	2023	2024	2025	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
Total		3,523,818				3,523,818



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

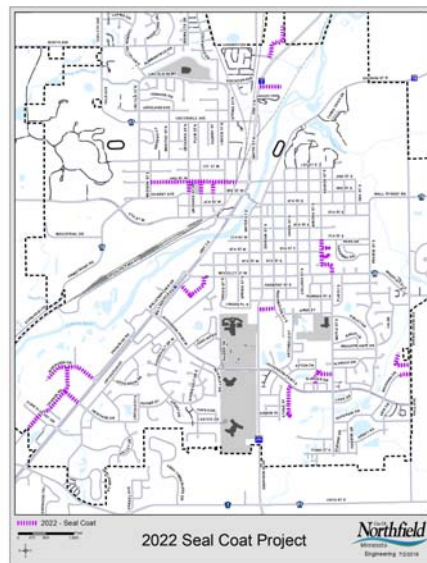
Department Engineering Division
Contact Public Works Director
Type Maintenance
Useful Life 10 years
Category Capital Improvement Plan (CI)

Project #	E-2022-002
Project Name	2022 Seal Coat/Crack Fill Project

Description	Total Project Cost: \$95,454
Justification	

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		95,454				95,454
Total		95,454				95,454

Funding Sources	2021	2022	2023	2024	2025	Total
MSA		95,454				95,454
Total		95,454				95,454



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Engineering Division

Contact

Type New Infrastructure

Useful Life

Category Unassigned

Project # E-2022-003

Project Name Sechler Road Railroad Crossing Improvement

Total Project Cost: \$230,000

Description

This project is in coordination with the states railroad highway grade crossing safety improvement program. The state will fund 90% of the improvement and the City will cover 10%.

This project will install gates and flashing lights.

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		230,000				230,000
Total		230,000				230,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Reserve Fund		23,000				23,000
Other		207,000				207,000
Total		230,000				230,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Engineering Division
Contact Public Works Director
Type Road
Useful Life
Category Capital Improvement Plan (CI)

Project #	E-2023-001
Project Name	Southwest Area Reclamation

Description	Total Project Cost: \$1,523,329
Heritage Drive, Hidden Valley Road, Peterson Drive, Lincoln Street, Adams Street, Taylor Court, Thomas Court, Tyler Court, Adams Court	

Justification
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	2021	2022	2023	2024	2025	Total
Construction/Maintenance			1,523,329			1,523,329
Total			1,523,329			1,523,329

Funding Sources	2021	2022	2023	2024	2025	Total
Assessments			492,345			492,345
Bonded Dollars			945,641			945,641
Stormwater Fund			39,258			39,258
Waste Water Fund			37,551			37,551
Water Fund			8,534			8,534
Total			1,523,329			1,523,329



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Engineering Division
Contact Public Works Director
Type Unassigned
Useful Life
Category Capital Improvement Plan (CI)

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

Description

Total Project Cost: \$5,928,921

Pavement Mill and Overlay and ADA upgrades 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 pavement condition and the current condition of the existing utilities.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance			5,928,921			5,928,921
Total			5,928,921			5,928,921

Funding Sources	2021	2022	2023	2024	2025	Total
Assessments			607,655			607,655
Bonded Dollars			3,362,853			3,362,853
MSA			1,406,000			1,406,000
Stormwater Fund			460,589			460,589
Waste Water Fund			62,827			62,827
Water Fund			28,997			28,997
Total			5,928,921			5,928,921



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Engineering Division
Contact Public Works Director
Type Improvement
Useful Life 40 years
Category Capital Improvement Plan (CI)

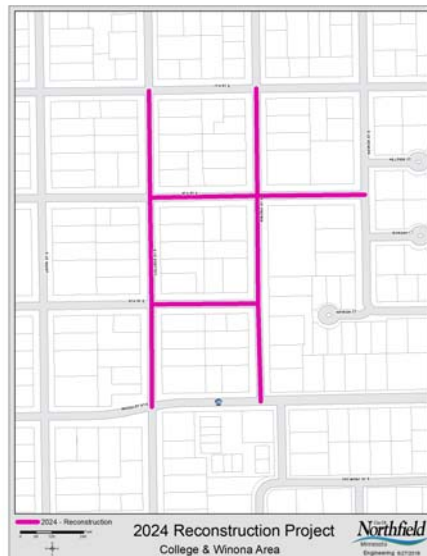
Project #	E-2024-001
Project Name	2024 College & Winona Street Reconstruction

Description	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
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	2021	2022	2023	2024	2025	Total
Construction/Maintenance				3,019,822		3,019,822
Total				3,019,822		3,019,822

Funding Sources	2021	2022	2023	2024	2025	Total
Assessments				433,162		433,162
Bonded Dollars				1,305,194		1,305,194
Stormwater Fund				338,224		338,224
Waste Water Fund				317,410		317,410
Water Fund				625,832		625,832
Total				3,019,822		3,019,822



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department

Engineering Division

Contact

Public Works Director

Type

Road

Useful Life

Category

Capital Improvement Plan (CI)

Project #

E-2024-002

Project Name

2024 Water Street South Reconstruction

Description

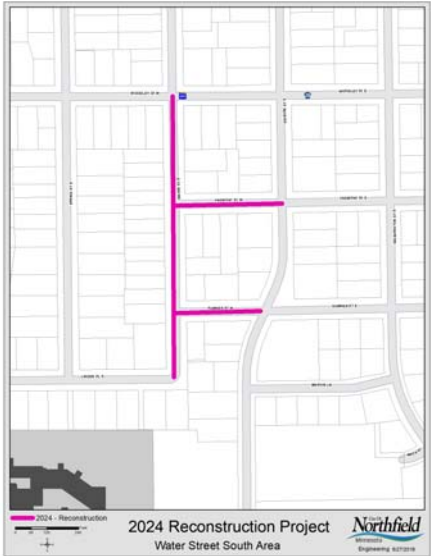
Total Project Cost: \$1,522,217

Water Street South Reconstruction - complete street reconstruction due to aging infrastructure.

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance				1,522,217		1,522,217
Total				1,522,217		1,522,217

Funding Sources	2021	2022	2023	2024	2025	Total
Assessments				218,346		218,346
Bonded Dollars				657,937		657,937
Stormwater Fund				170,485		170,485
Waste Water Fund				159,993		159,993
Water Fund				315,456		315,456
Total				1,522,217		1,522,217



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Engineering Division
Contact Public Works Director
Type Road
Useful Life
Category Capital Improvement Plan (CI)

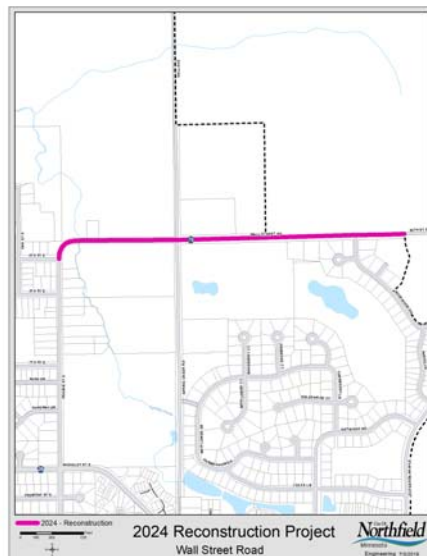
Project #	E-2024-003
Project Name	Wall Street Road Reconstruction

Description	Total Project Cost: \$3,126,693
Reconstruction of Wall Street Road from Prairie Street to Spring Creek Road, including pedestrian upgrades in cooperation with Rice County.	

Justification
Complete reconstruction of Wall Street Road from Fourth Street to Rosewood Road.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance				3,126,693		3,126,693
Total				3,126,693		3,126,693

Funding Sources	2021	2022	2023	2024	2025	Total
Assessments				448,492		448,492
Bonded Dollars				361,479		361,479
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
Total				3,126,693		3,126,693



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Engineering Division

Contact

Type Unassigned

Useful Life

Category Unassigned

Project # E-2025-001

Project Name 2025 Street Reclamation Project

Total Project Cost: \$682,575

Description

Pavement Reclamation on Industrial Drive and Laurel Court

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance					682,575	682,575
Total					682,575	682,575

Funding Sources	2021	2022	2023	2024	2025	Total
Assessments					646,342	646,342
Bonded Dollars					0	0
Stormwater Fund					16,667	16,667
Waste Water Fund					15,943	15,943
Water Fund					3,623	3,623
Total					682,575	682,575



Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Information Technology
Contact IT Manager
Type Equipment
Useful Life 10 years
Category IT Projects/Equipment

Project #	IT-2025-001
Project Name	Phone System Upgrade

Description	Total Project Cost: \$50,000
Justification	

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings					50,000	50,000
Total					50,000	50,000

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department NCRC
Contact Public Works Director
Type Unassigned
Useful Life
Category Capital Improvement Plan (CI)

Project #	NCRC 2021-01
Project Name	New Pool Heaters

Description	Total Project Cost: \$10,000
Replacement of Pool Heater at FiftyNorth. FiftyNorth will pay for 50% of the cost and the City will pay 50% of the cost. The City share will come from the NCRC Fund	

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings		10,000				10,000
Total		10,000				10,000

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

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department NCRC

Contact

Type Facility

Useful Life

Category Capital Improvement Plan (CI

Project #	NCRC 2021-02
Project Name	RegROUT Swimming Pool

Description	Total Project Cost: \$25,000
This work is for regROUTing the swimming pool at FiftyNorth. FiftyNorth will pay 50% of the costs and the City will pay 50%. The City share will come from the NCRC fund.	

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance	25,000					25,000
Total	25,000					25,000

Funding Sources	2021	2022	2023	2024	2025	Total
NRCR Fund	25,000					25,000
Total	25,000					25,000

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department NCRC
Contact
Type Unassigned
Useful Life
Category Capital Improvement Plan (CI

Project # NCRC 2024-01

Project Name Exterior Painting

Description

Total Project Cost: \$10,000

Exterior Building Paitning

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance				10,000		10,000
Total				10,000		10,000

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

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Park Division

Contact

Type Equipment

Useful Life

Category Capital Improvement Plan (CI

Project # P-2022-001
Project Name Riverside Park Playground Replacement

Description

Total Project Cost: \$120,000

Riverside park has the oldest playgournd equipment in the City. The equipment was installed in 1996.

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		120,000				120,000
Total		120,000				120,000

Funding Sources	2021	2022	2023	2024	2025	Total
Park Fund		120,000				120,000
Total		120,000				120,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Park Division

Contact Public Works Director

Type Improvement

Useful Life

Category Capital Improvement Plan (CI)

Project # ST-2021-005

Project Name Oddfellows Park Bathroom

Total Project Cost: \$100,000

Description

Upgrade the bathroom facility to make ADA compliant. Remove deteriorated stucco, doors, windows and roofing. Install new siding, shingles, brick, windows, doors and replace concrete around building.

Justification

The building is beyond just trying to maintain and the bathrooms are not ADA compliant.

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

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



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Park Division

Contact Public Works Director

Type Improvement

Useful Life

Category Capital Improvement Plan (CI)

Project # ST-2021-006

Project Name Riverside Pickle Ball Courts

Total Project Cost: \$100,000

Description

Removing old pickle ball courts. Building new pickle ball courts at Riverside/Lions Park. Orientating the courts in a north/south direction.

Justification

Existing pickle ball courts need improvement and need to be orientated in a north/south direction. The existing courts are used frequently.

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

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



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department

Stormwater Division

Contact

Type

Maintenance

Useful Life

Category

Capital Improvement Plan (CI

Project #

SW- 2024-001

Project Name

Hills #3, Cannon & Locust Pond Dredging

Description

Total Project Cost: \$597,652

Pond Dredging on Hills of Spring Creek #3, Cannon Commercial, & Locust Upper Pond

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance				597,652		597,652
Total				597,652		597,652

Funding Sources	2021	2022	2023	2024	2025	Total
Stormwater Fund				597,652		597,652
Total				597,652		597,652



Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Stormwater Division
Contact
Type Unassigned
Useful Life
Category Capital Improvement Plan (CI

Project # SW-2021-001

Project Name West Riverwall Floodwall Extension

Description

Total Project Cost: \$2,000,000

Justification

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

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

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Stormwater Division

Contact

Type Maintenance

Useful Life

Category Capital Improvement Plan (CI)

Project # SW-2022-001

Project Name Prairie Hills #1 and Hidden Valley Pond Dredging

Total Project Cost: \$789,610

Description

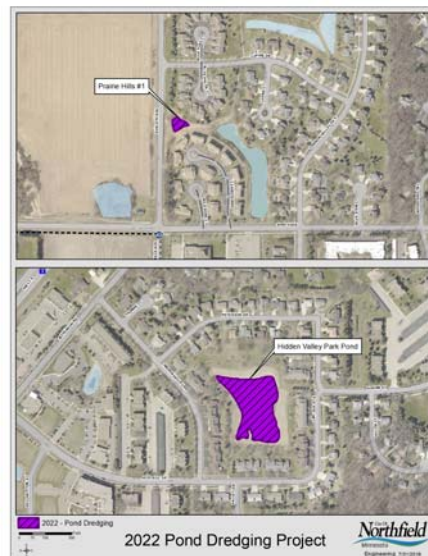
Pond dredging of Prairie Hills Pond #1 and Hidden Valley Park Pond

Justification

TTThese ponds were ranked priority #3, & #5 in the 2017 Storm Pond Assessment Study for percent full of sediment.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		789,610				789,610
Total		789,610				789,610

Funding Sources	2021	2022	2023	2024	2025	Total
Stormwater Fund		789,610				789,610
Total		789,610				789,610



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Street Division

Contact Public Works Director

Type Facility

Useful Life

Category Capital Improvement Plan (CI)

Project # ST-2021-003
Project Name SALT STORAGE BUILDING

Total Project Cost: \$275,000

Description

Build a 65' X 80' Salt Storage Building. This would replace the existing salt storage building.

Justification

The existing salt storage building does not have the capacity. Unable to mix salt with beet juice and load dump trucks under a covered structure. It is recommended by MPCA that loading and mixing of salt should be under a covered structure. The existing salt shed can be converted into vehicle and equipment storage since we are short on inside storage. Equipment can be stored in the new salt storage building between the months of April and October when not being used to store salt.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance	275,000					275,000
Total	275,000					275,000

Funding Sources	2021	2022	2023	2024	2025	Total
Capital Reserve Fund	275,000					275,000
Total	275,000					275,000



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Street Division
Contact Public Works Director
Type Facility
Useful Life
Category Capital Improvement Plan (CI)

Project # ST-2021-004
Project Name COMPOST SITE BUILDING

Description

Total Project Cost: \$50,000

Replacement of existing compost site building. Adding a concrete slab for the building to sit on.

Justification

Existing building is beyond repair. Holes in roof and siding is in bad shape.

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

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



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Facility
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-001
Project Name	BAF Roof Replacement

Description	Total Project Cost: \$324,500
Replacement of the BAF Roof.	

Justification
The BAF roof replacement upgrade was identified in the 2015 WWTP Facility Study.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		324,500				324,500
Total		324,500				324,500

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		324,500				324,500
Total		324,500				324,500

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Equipment
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-002
Project Name	MAU-6 Replacement

Description	Total Project Cost: \$62,172
Replacement of MAU-6.	

Justification
The MAU-6 replacement upgrade was identified in the 2015 WWTP Facility Study.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		62,172				62,172
Total		62,172				62,172

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		62,172				62,172
Total		62,172				62,172

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Facility
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-003
Project Name	Pretreatment Roof Replacement

Description	Total Project Cost: \$359,900
Replacement of the Pretreatment Building Roof.	

Justification
The BAF roof replacement upgrade was identified in the 2015 WWTP Facility Study.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		359,900				359,900
Total		359,900				359,900

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		359,900				359,900
Total		359,900				359,900

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Improvement
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-004
Project Name	BAF Blower Replacements

Description	Total Project Cost: \$843,975
Replacement of the blower assemblies in the BAF building.	

Justification
This was identified in the 2015 Facility Study.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings		843,975				843,975
Total		843,975				843,975

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		843,975				843,975
Total		843,975				843,975

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Improvement
Useful Life 25 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-005
Project Name	Biosolids Liquid Storage

Description	Total Project Cost: \$1,193,844
Building an additional biosolids storage building based on the 2016 City Council adopted Facility Study. The storage will allow for more storage of sludge at the wwtp.	

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		1,193,844				1,193,844
Total		1,193,844				1,193,844

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		1,193,844				1,193,844
Total		1,193,844				1,193,844



Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Improvement
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-006
Project Name	BioSolids Cake Storage

Description	Total Project Cost: \$711,563
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	2021	2022	2023	2024	2025	Total
Construction/Maintenance		711,563				711,563
Total		711,563				711,563

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		711,563				711,563
Total		711,563				711,563

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Equipment
Useful Life 15 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-007
Project Name	SCADA Upgrade

Description	Total Project Cost: \$1,622,500
Replacement of major Supervisory and Control Data Acquisition (SCADA) components at the wastewater treatment plant.	

Justification
SCADA upgrade was identified in the 2015 WWTP Facility Study.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		1,622,500				1,622,500
Total		1,622,500				1,622,500

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		1,622,500				1,622,500
Total		1,622,500				1,622,500

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Maintenance
Useful Life 15 years
Category Capital Improvement Plan (CI)

Project # WW-2022-008
Project Name Shop Radiant Heaters

Total Project Cost: \$20,000

Description

Replace the existing shop radiant heaters.

Justification

Replace the existing shop radiant heaters that are aging.

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

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		20,000				20,000
Total		20,000				20,000



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Maintenance
Useful Life 25 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-009
Project Name	Operations Building Roof Replacement

Description	Total Project Cost: \$106,000
Replacement of the operations building roof based on the City Council adopted 2016 Facility Study.	

Justification

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		106,000				106,000
Total		106,000				106,000

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		106,000				106,000
Total		106,000				106,000



Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Improvement
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-010
Project Name	Influent Lift Pumps Replacement

Description	Total Project Cost: \$1,372,594
Replace influent lift pumps.	

Justification
Identified in 2015 Facility Study.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		1,372,594				1,372,594
Total		1,372,594				1,372,594

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		1,372,594				1,372,594
Total		1,372,594				1,372,594

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Equipment
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-012
Project Name	MAU-5 Replacement

Description	Total Project Cost: \$24,345
Replacement of MAU-5.	

Justification
The MAU-5 replacement upgrade was identified in the 2015 WWTP Facility Study.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		24,345				24,345
Total		24,345				24,345

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		24,345				24,345
Total		24,345				24,345

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Facility
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	WW-2022-013
Project Name	UV Disinfection Roof Replacement

Description	Total Project Cost: \$34,500
Replacement of the UV disinfection roof.	

Justification
The UV disinfection roof replacement upgrade was identified in the 2015 WWTP Facility Study.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance		34,500				34,500
Total		34,500				34,500

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund		34,500				34,500
Total		34,500				34,500

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Improvement
Useful Life 10 years
Category Capital Improvement Plan (CI)

Project #	WW-2023-002
Project Name	MAU-1 Replacement

Description	Total Project Cost: \$29,938
MAU-1 replacement.	

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

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance			29,938			29,938
Total			29,938			29,938

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund			29,938			29,938
Total			29,938			29,938

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Improvement
Useful Life 10 years
Category Capital Improvement Plan (CI)

Project #	WW-2024-001
Project Name	MAU-2 Replacement

Description	Total Project Cost: \$61,611
MAU-2 replacement.	

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

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance				61,611		61,611
Total				61,611		61,611

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund				61,611		61,611
Total				61,611		61,611

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Maintenance
Useful Life 10 years
Category Capital Improvement Plan (CI)

Project #	WW-2025-001
Project Name	MAU 4 BAF Pipe Gallery Replacement

Description	Total Project Cost: \$37,539
Justification	

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance					37,539	37,539
Total					37,539	37,539

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund					37,539	37,539
Total					37,539	37,539



Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Improvement
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	WW-2025-004
Project Name	Water Reuse System

Description	Total Project Cost: \$192,088
Install a water reuse system.	

Justification
The water reuse system was identified in the 2015 WWTP Facility Study.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance					192,088	192,088
Total					192,088	192,088

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund					192,088	192,088
Total					192,088	192,088

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Wastewater Division
Contact Public Works Director
Type Equipment
Useful Life 25 years
Category Capital Improvement Plan (CI)

Project #	WW-2025-005
Project Name	WWTP Generator Replacement

Description	Total Project Cost: \$1,175,000
Replace the 2000 WWTP generator.	

Justification
This is the useful life of the generator and is needed to operator during emergencies when power is out.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings					1,175,000	1,175,000
Total					1,175,000	1,175,000

Funding Sources	2021	2022	2023	2024	2025	Total
Waste Water Fund					1,175,000	1,175,000
Total					1,175,000	1,175,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Water Division

Contact Public Works Director

Type Land

Useful Life 40 years

Category Capital Improvement Plan (CI)

Project # W-2022-002
Project Name Land Acquisition for Water Tank in NW Area

Description

Total Project Cost: \$250,000

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	2021	2022	2023	2024	2025	Total
Land Acquisition		250,000				250,000
Total		250,000				250,000

Funding Sources	2021	2022	2023	2024	2025	Total
Water Fund		250,000				250,000
Total		250,000				250,000



Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Water Division
Contact Public Works Director
Type Maintenance
Useful Life 8 Years
Category Capital Improvement Plan (CI)

Project #	W-2023-001
Project Name	Well No. 03 Maintenance

Description	Total Project Cost: \$30,000
Pulling Well No. 03 and replacing the column pipe. This is a standard maintenance practice conducted on wells.	

Justification
Standard well maintenance, completed every 8 years.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance			30,000			30,000
Total			30,000			30,000

Funding Sources	2021	2022	2023	2024	2025	Total
Water Fund			30,000			30,000
Total			30,000			30,000

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Water Division
Contact Public Works Director
Type Equipment
Useful Life 25 years
Category Capital Improvement Plan (CI)

Project #	W-2023-002
Project Name	Well No. 03 MCC Replacement

Description	Total Project Cost: \$200,000
Replacement of well no. 3 motor control center (MCC) and SCADA components.	

Justification
The Well No. 3 MCC is an original piece of equipment from 1970. The equipment replaced will be all of the SCADA equipment, the electrical system and the control will be updated.

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

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

Capital Improvement Plan

City of Northfield, Minnesota

2021 *thru* 2025

Department Water Division
Contact Public Works Director
Type Improvement
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project #	W-2023-003
Project Name	Well No. 03 Generator Replacement

Description	Total Project Cost: \$120,000
Replace the existing generator.	

Justification
This is the end of the generators useful life.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings			120,000			120,000
Total			120,000			120,000

Funding Sources	2021	2022	2023	2024	2025	Total
Water Fund			120,000			120,000
Total			120,000			120,000

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Water Division
Contact Public Works Director
Type Unassigned
Useful Life 8 Years
Category Capital Improvement Plan (CI)

Project #	W-2024-001
Project Name	Well No. 04 Maintenance

Description	Total Project Cost: \$30,000
Pulling Well No. 04 and replacing the column pipe. This is a standard maintenance practice conducted on wells.	

Justification
Standard well maintenance, completed every 8 years.

Expenditures	2021	2022	2023	2024	2025	Total
Construction/Maintenance				30,000		30,000
Total				30,000		30,000

Funding Sources	2021	2022	2023	2024	2025	Total
Water Fund				30,000		30,000
Total				30,000		30,000

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Water Division
Contact Public Works Director
Type Improvement
Useful Life 20 years
Category Capital Improvement Plan (CI)

Project # W-2024-002

Project Name Well No. 04 Generator Replacement

Description

Total Project Cost: \$120,000

Replace the existing gernerator.

Justification

This is the end of the generators useful life.

Expenditures	2021	2022	2023	2024	2025	Total
Equip/Vehicles/Furnishings				120,000		120,000
Total				120,000		120,000

Funding Sources	2021	2022	2023	2024	2025	Total
Water Fund				120,000		120,000
Total				120,000		120,000

Capital Improvement Plan
City of Northfield, Minnesota

2021 *thru* 2025

Department Water Division
Contact Public Works Director
Type Equipment
Useful Life 25 years
Category Capital Improvement Plan (CI)

Project # W-2024-003

Project Name Well No. 04 MCC Replacement

Description

Replacement of well no. 4 motor control center (MCC) and SCADA components.

Justification

The Well No. 4 MCC is an original piece of equipment from 1977. The equipment replaced will be all of the SCADA equipment, the electrical system and the control will be updated.

Total Project Cost: \$200,000

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

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