

2019-2023
Capital
Improvement
Plan



City of Northfield, Minnesota

Capital Improvement Plan

2019 thru 2023

PROJECTS BY DEPARTMENT

Department	Project #	2019	2020	2021	2022	2023	Total
City Facilities							
NCRC Carpet Replacement	F-2019-002	50,000					50,000
City Facilities Total		50,000					50,000
Engineering Division							
2019 NW Area Reclamation	E-2019-001	2,161,219					2,161,219
2019 Seal Coat/Crack Fill Project	E-2019-002	133,910					133,910
2019 TH 246 & Jefferson Parkway	E-2019-003	1,860,000					1,860,000
2019 Spring Creek Road Bridge L2765 Replacement	E-2019-005	625,000					625,000
2020 NE Area Mill and Overlay	E-2020-002		1,464,755				1,464,755
2020 College & Winona Street Reconstruction	E-2020-003		2,733,107				2,733,107
2020 Seal Coat/Crack Fill Project	E-2020-004		60,676				60,676
2021 Mayflower Hill Reclamation	E-2021-002			1,498,606			1,498,606
2021 Water Street South Reconstruction	E-2021-003			1,409,089			1,409,089
2021 Seal Coat/Crack Fill Project	E-2021-004			130,344			130,344
2022 Odd Fellow Area Reconstruction	E-2022-002				944,050		944,050
2022 Seal Coat/Crack Fill Project	E-2022-003				130,344		130,344
Spring Creek Road Reconstruction Phase II	E-2022-004				3,600,000		3,600,000
North Avenue/Jefferson Parkway Mill and Overlay	E-2023-001					2,302,448	2,302,448
Wall Street Road Reconstruction	E-2023-002					2,481,096	2,481,096
2023 Seal Coat/Crack Fill	E-2023-003					12,930	12,930
Engineering Division Total		4,780,129	4,258,538	3,038,039	4,674,394	4,796,474	21,547,574
Park Division							
River Corridor Concept Plan	P-2019-002	40,000					40,000
Way Park Paver Patio	P-2019-003	7,500					7,500
Riverside Park River Access and Turnaround	P-2019-004	50,000					50,000
Park Shelter Assessment	P-2019-005	10,000					10,000
Memorial Pool Repairs	P-2019-006	15,000					15,000
Riverside Park Playground Replacement	P-2022-001				120,000		120,000
Park Division Total		122,500			120,000		242,500
Stormwater Division							
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	3,480,087
Street Division							
Roof Replacement	ST-2019-ROOF	550,000					550,000
Street Division Total		550,000					550,000

Department	Project #	2019	2020	2021	2022	2023	Total
Wastewater Division							
BAF Stop Log and Cell Work	WW-2019-002	824,310					824,310
MAU-3 Pretreatment Roof Replacement	WW-2019-003	25,428					25,428
Biosolids Upgrades	WW-2019-004	500,000					500,000
Babcock Generator	WW-2020-002		200,000				200,000
MAU-2 Pretreatment Roof Replacment	WW-2020-003		53,147				53,147
Biosolids Liquid Storage	WW-2021-002			1,193,844			1,193,844
BioSolids Cake Storage	WW-2021-003			711,563			711,563
SCADA Upgrade	WW-2021-004			1,622,500			1,622,500
BioSolids Roof Replacement	WW-2021-005			115,000			115,000
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-7 Replacement	WW-2023-002					31,805	31,805
Wastewater Division Total		1,349,738	253,147	5,200,346	1,590,547	31,805	8,425,583
Water Division							
Well No. 5 Maintenance	W-2019-001	30,000					30,000
Monitoring Well	W-2019-002	80,000					80,000
Hall Ave. Elevated Water Tank Maintenance	W-2019-003	300,000					300,000
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
Land Acquisition for Water Tank in NW Area	W-2021-002			250,000			250,000
St. Olaf North Ground Storage Tank Maintenance	W-2021-003			300,000			300,000
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
Water Division Total		410,000	450,000	550,000		350,000	1,760,000
GRAND TOTAL		7,262,367	5,652,162	8,788,385	7,174,551	7,178,279	36,055,744

City of Northfield, Minnesota

Capital Improvement Plan

2019 thru 2023

PROJECTS BY FUNDING SOURCE

Source	Project #	2019	2020	2021	2022	2023	Total
Assessments							
2019 NW Area Reclamation	E-2019-001	606,195					606,195
2020 NE Area Mill and Overlay	E-2020-002		350,250				350,250
2020 College & Winona Street Reconstruction	E-2020-003		286,090				286,090
2021 Mayflower Hill Reclamation	E-2021-002			756,990			756,990
2021 Water Street South Reconstruction	E-2021-003			119,420			119,420
2022 Odd Fellow Area Reconstruction	E-2022-002				170,456		170,456
North Avenue/Jefferson Parkway Mill and Overlay	E-2023-001					187,862	187,862
Assessments Total		606,195	636,340	876,410	170,456	187,862	2,477,263
Bonded Dollars							
2019 NW Area Reclamation	E-2019-001	312,400					312,400
2020 NE Area Mill and Overlay	E-2020-002		669,642				669,642
2020 College & Winona Street Reconstruction	E-2020-003		1,263,058				1,263,058
2021 Mayflower Hill Reclamation	E-2021-002			471,992			471,992
2021 Water Street South Reconstruction	E-2021-003			679,369			679,369
2022 Odd Fellow Area Reconstruction	E-2022-002				496,544		496,544
Wall Street Road Reconstruction	E-2023-002					787,930	787,930
Roof Replacement	ST-2019-ROOF	550,000					550,000
Bonded Dollars Total		862,400	1,932,700	1,151,361	496,544	787,930	5,230,935
City Facilities Fund							
NCRC Carpet Replacement	F-2019-002	50,000					50,000
City Facilities Fund Total		50,000					50,000
Grant							
2019 TH 246 & Jefferson Parkway	E-2019-003	900,000					900,000
Riverside Park Playground Replacement	P-2022-001				60,000		60,000
Grant Total		900,000			60,000		960,000
MSA							
2019 NW Area Reclamation	E-2019-001	496,517					496,517
2019 Seal Coat/Crack Fill Project	E-2019-002	133,910					133,910
2019 TH 246 & Jefferson Parkway	E-2019-003	820,000					820,000
2019 Spring Creek Road Bridge L2765 Replacement	E-2019-005	415,000					415,000
2020 NE Area Mill and Overlay	E-2020-002		209,806				209,806
2020 Seal Coat/Crack Fill Project	E-2020-004		60,676				60,676
2021 Seal Coat/Crack Fill Project	E-2021-004			130,344			130,344
2022 Seal Coat/Crack Fill Project	E-2022-003				130,344		130,344

Source	Project #	2019	2020	2021	2022	2023	Total
Spring Creek Road Reconstruction Phase II	E-2022-004				3,600,000		3,600,000
North Avenue/Jefferson Parkway Mill and Overlay	E-2023-001					1,985,334	1,985,334
2023 Seal Coat/Crack Fill	E-2023-003					12,930	12,930
MSA Total		1,865,427	270,482	130,344	3,730,344	1,998,264	7,994,861
Other							
2019 Spring Creek Road Bridge L2765 Replacement	E-2019-005	210,000					210,000
Other Total		210,000					210,000
Park Fund							
River Corridor Concept Plan	P-2019-002	40,000					40,000
Way Park Paver Patio	P-2019-003	7,500					7,500
Riverside Park River Access and Turnaround	P-2019-004	50,000					50,000
Park Shelter Assessment	P-2019-005	10,000					10,000
Memorial Pool Repairs	P-2019-006	15,000					15,000
Riverside Park Playground Replacement	P-2022-001				60,000		60,000
Park Fund Total		122,500			60,000		182,500
Rice County							
Wall Street Road Reconstruction	E-2023-002					963,026	963,026
Rice County Total						963,026	963,026
Stormwater Fund							
2019 NW Area Reclamation	E-2019-001	216,360					216,360
2019 TH 246 & Jefferson Parkway	E-2019-003	140,000					140,000
2020 NE Area Mill and Overlay	E-2020-002		126,931				126,931
2020 College & Winona Street Reconstruction	E-2020-003		218,050				218,050
2021 Mayflower Hill Reclamation	E-2021-002			110,546			110,546
2021 Water Street South Reconstruction	E-2021-003			36,800			36,800
2022 Odd Fellow Area Reconstruction	E-2022-002				37,800		37,800
Wall Street Road Reconstruction	E-2023-002					459,240	459,240
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 Fund Total		356,360	1,035,458	147,346	827,410	2,459,240	4,825,814
Waste Water Fund							
2019 NW Area Reclamation	E-2019-001	205,806					205,806
2020 NE Area Mill and Overlay	E-2020-002		82,270				82,270
2020 College & Winona Street Reconstruction	E-2020-003		410,752				410,752
2021 Mayflower Hill Reclamation	E-2021-002			105,153			105,153
2021 Water Street South Reconstruction	E-2021-003			244,200			244,200
2022 Odd Fellow Area Reconstruction	E-2022-002				102,000		102,000
North Avenue/Jefferson Parkway Mill and Overlay	E-2023-001					98,344	98,344
Wall Street Road Reconstruction	E-2023-002					115,200	115,200
BAF Stop Log and Cell Work	WW-2019-002	824,310					824,310
MAU-3 Pretreatment Roof Replacement	WW-2019-003	25,428					25,428
Biosolids Upgrades	WW-2019-004	500,000					500,000

Source	Project #	2019	2020	2021	2022	2023	Total
Babcock Generator	WW-2020-002		200,000				200,000
MAU-2 Pretreatment Roof Replacement	WW-2020-003		53,147				53,147
Biosolids Liquid Storage	WW-2021-002			1,193,844			1,193,844
BioSolids Cake Storage	WW-2021-003			711,563			711,563
SCADA Upgrade	WW-2021-004			1,622,500			1,622,500
BioSolids Roof Replacement	WW-2021-005			115,000			115,000
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-7 Replacement	WW-2023-002					31,805	31,805
Waste Water Fund Total		1,555,544	746,169	5,549,699	1,692,547	245,349	9,789,308

Water Fund

2019 NW Area Reclamation	E-2019-001	323,941					323,941
2020 NE Area Mill and Overlay	E-2020-002		25,856				25,856
2020 College & Winona Street Reconstruction	E-2020-003		555,157				555,157
2021 Mayflower Hill Reclamation	E-2021-002			53,925			53,925
2021 Water Street South Reconstruction	E-2021-003			329,300			329,300
2022 Odd Fellow Area Reconstruction	E-2022-002				137,250		137,250
Wall Street Road Reconstruction	E-2023-002					155,700	155,700
Well No. 5 Maintenance	W-2019-001	30,000					30,000
Monitoring Well	W-2019-002	80,000					80,000
Hall Ave. Elevated Water Tank Maintenance	W-2019-003	300,000					300,000
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
Land Acquisition for Water Tank in NW Area	W-2021-002			250,000			250,000
St. Olaf North Ground Storage Tank Maintenance	W-2021-003			300,000			300,000
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
Water Fund Total		733,941	1,031,013	933,225	137,250	505,700	3,341,129

GRAND TOTAL	7,262,367	5,652,162	8,788,385	7,174,551	7,147,371	36,024,836
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Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

Department City Facilities

Contact

Type Unassigned

Useful Life

Category Capital Improvement Plan (CI)

Project #	F-2019-002
Project Name	NCRC Carpet Replacement

Description	Total Project Cost: \$50,000
City will be the financing conduit for the carpet replacment. NCRC Corp will pay the City back over the life of the improvement	

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	50,000					50,000
Total	50,000					50,000

Funding Sources	2019	2020	2021	2022	2023	Total
City Facilities Fund	50,000					50,000
Total	50,000					50,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

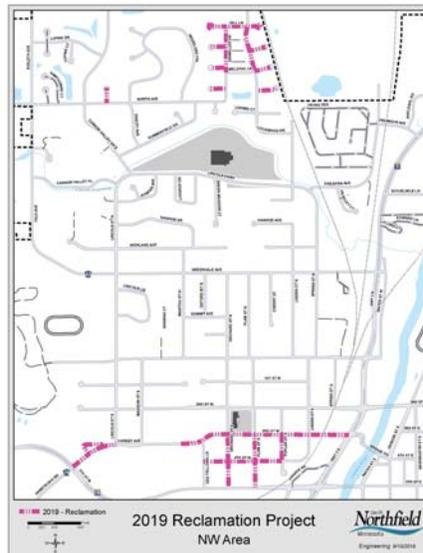
Project #	E-2019-001
Project Name	2019 NW Area Reclamation

Description	Total Project Cost: \$2,161,219
Full Depth Pavement Reclamation on Third Street from TH 3 to Forest Avenue, Fourth Street from Poplar Street to Odd Fellows Lane, Orchard Street from Fifth Street to Third Street, Plum Street from Third Street to Fifth Street, Poplar Street from Third Street to Fourth Street, Ivanhoe Drive from Highland Avenue to Lincoln Parkway, Zanmiller Drive from Eklund Court to Gill Lane, Wilson Court, Simone Court, Nelson Court, Grundhoefer Court, Eklund Court, and Covey 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. Additionally, watermain upgrades identified in the current Comprehensive Plan will be completed.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	2,161,219					2,161,219
Total	2,161,219					2,161,219

Funding Sources	2019	2020	2021	2022	2023	Total
Assessments	606,195					606,195
Bonded Dollars	312,400					312,400
MSA	496,517					496,517
Stormwater Fund	216,360					216,360
Waste Water Fund	205,806					205,806
Water Fund	323,941					323,941
Total	2,161,219					2,161,219



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

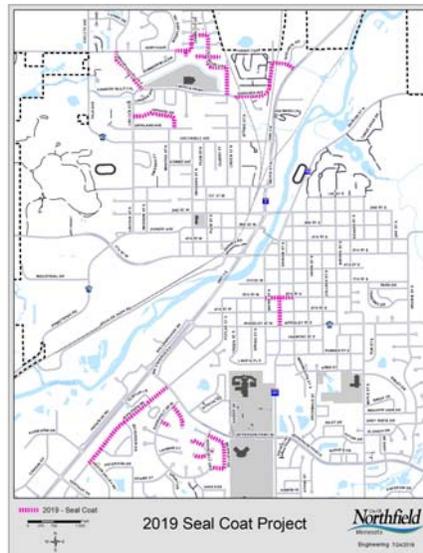
Project #	E-2019-002
Project Name	2019 Seal Coat/Crack Fill Project

Description	Total Project Cost: \$133,910

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	133,910					133,910
Total	133,910					133,910

Funding Sources	2019	2020	2021	2022	2023	Total
MSA	133,910					133,910
Total	133,910					133,910



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

Department Engineering Division
Contact Public Works Director
Type Improvement
Useful Life 75 years
Category Capital Improvement Plan (CI)

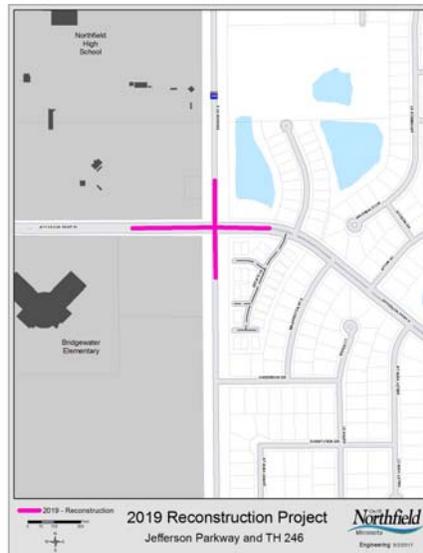
Project # E-2019-003
Project Name 2019 TH 246 & Jefferson Parkway

Description **Total Project Cost: \$1,860,000**
 TH 246 and Jefferson Parkway Intersection Improvements

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	1,860,000					1,860,000
Total	1,860,000					1,860,000

Funding Sources	2019	2020	2021	2022	2023	Total
Grant	900,000					900,000
MSA	820,000					820,000
Stormwater Fund	140,000					140,000
Total	1,860,000					1,860,000



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

Department Engineering Division
Contact Public Works Director
Type New Infrastructure
Useful Life 75 years
Category Capital Improvement Plan (CI)

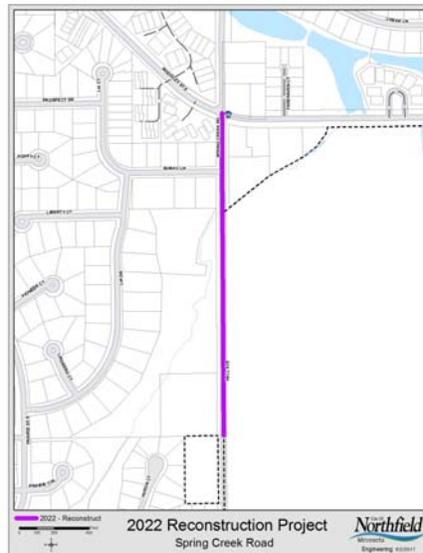
Project # E-2019-005
Project Name 2019 Spring Creek Road Bridge L2765 Replacement

Description **Total Project Cost:** \$625,000
 Replacement of the Bridge L2765 on Spring Creek Road south of Sumac Lane

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	625,000					625,000
Total	625,000					625,000

Funding Sources	2019	2020	2021	2022	2023	Total
MSA	415,000					415,000
Other	210,000					210,000
Total	625,000					625,000



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	E-2020-002
Project Name	2020 NE Area Mill and Overlay

Description	Total Project Cost: \$1,464,755
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, and Oak Street from Second Street to Fourth 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	2019	2020	2021	2022	2023	Total
Construction/Maintenance		1,464,755				1,464,755
Total		1,464,755				1,464,755

Funding Sources	2019	2020	2021	2022	2023	Total
Assessments		350,250				350,250
Bonded Dollars		669,642				669,642
MSA		209,806				209,806
Stormwater Fund		126,931				126,931
Waste Water Fund		82,270				82,270
Water Fund		25,856				25,856
Total		1,464,755				1,464,755



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	E-2020-003
Project Name	2020 College & Winona Street Reconstruction

Description	Total Project Cost: \$2,733,107
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	2019	2020	2021	2022	2023	Total
Construction/Maintenance		2,733,107				2,733,107
Total		2,733,107				2,733,107

Funding Sources	2019	2020	2021	2022	2023	Total
Assessments		286,090				286,090
Bonded Dollars		1,263,058				1,263,058
Stormwater Fund		218,050				218,050
Waste Water Fund		410,752				410,752
Water Fund		555,157				555,157
Total		2,733,107				2,733,107



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project # E-2020-004
Project Name 2020 Seal Coat/Crack Fill Project

Description **Total Project Cost: \$60,676**

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance		60,676				60,676
Total		<u>60,676</u>				<u>60,676</u>

Funding Sources	2019	2020	2021	2022	2023	Total
MSA		60,676				60,676
Total		<u>60,676</u>				<u>60,676</u>



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

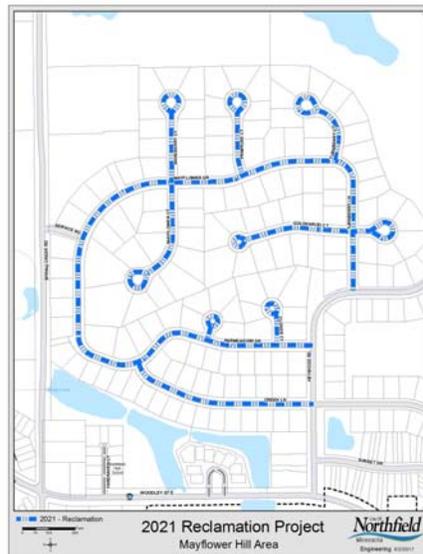
Project #	E-2021-002
Project Name	2021 Mayflower Hill Reclamation

Description	Total Project Cost: \$1,498,606
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	2019	2020	2021	2022	2023	Total
Construction/Maintenance			1,498,606			1,498,606
Total			1,498,606			1,498,606

Funding Sources	2019	2020	2021	2022	2023	Total
Assessments			756,990			756,990
Bonded Dollars			471,992			471,992
Stormwater Fund			110,546			110,546
Waste Water Fund			105,153			105,153
Water Fund			53,925			53,925
Total			1,498,606			1,498,606



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

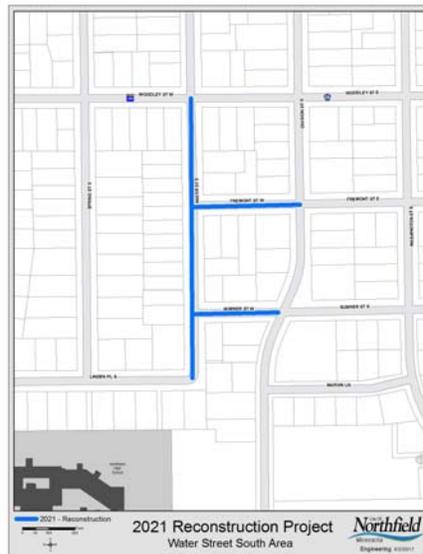
Project #	E-2021-003
Project Name	2021 Water Street South Reconstruction

Description	Total Project Cost: \$1,409,089
Water Street South Reconstruction - complete street reconstruction due to aging infrastructure.	

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance			1,409,089			1,409,089
Total			1,409,089			1,409,089

Funding Sources	2019	2020	2021	2022	2023	Total
Assessments			119,420			119,420
Bonded Dollars			679,369			679,369
Stormwater Fund			36,800			36,800
Waste Water Fund			244,200			244,200
Water Fund			329,300			329,300
Total			1,409,089			1,409,089



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	E-2021-004
Project Name	2021 Seal Coat/Crack Fill Project

Description	Total Project Cost: \$130,344

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance			130,344			130,344
Total			130,344			130,344

Funding Sources	2019	2020	2021	2022	2023	Total
MSA			130,344			130,344
Total			130,344			130,344



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

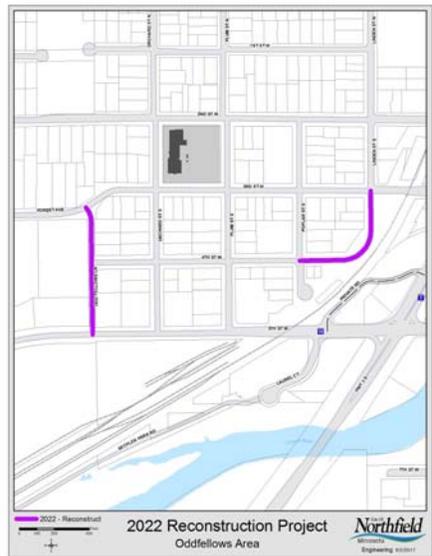
Project #	E-2022-002
Project Name	2022 Odd Fellow Area Reconstruction

Description	Total Project Cost: \$944,050
Reconstruction of Linden Street - Thirrd Street to Poplar Street, and Odd Fellows Lane - Third St to Fifth St	

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	2019	2020	2021	2022	2023	Total
Construction/Maintenance				944,050		944,050
Total				944,050		944,050

Funding Sources	2019	2020	2021	2022	2023	Total
Assessments				170,456		170,456
Bonded Dollars				496,544		496,544
Stormwater Fund				37,800		37,800
Waste Water Fund				102,000		102,000
Water Fund				137,250		137,250
Total				944,050		944,050



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

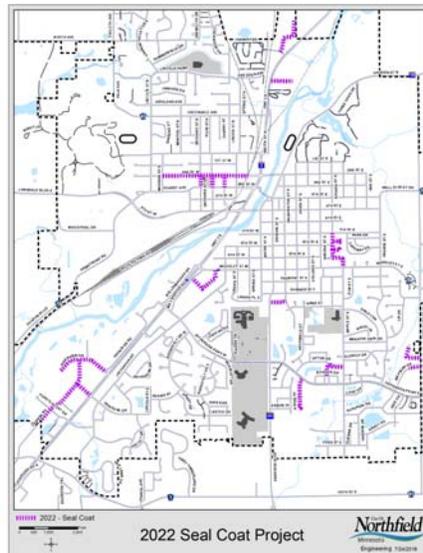
Project #	E-2022-003
Project Name	2022 Seal Coat/Crack Fill Project

Description	Total Project Cost: \$130,344

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance				130,344		130,344
Total				130,344		130,344

Funding Sources	2019	2020	2021	2022	2023	Total
MSA				130,344		130,344
Total				130,344		130,344



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

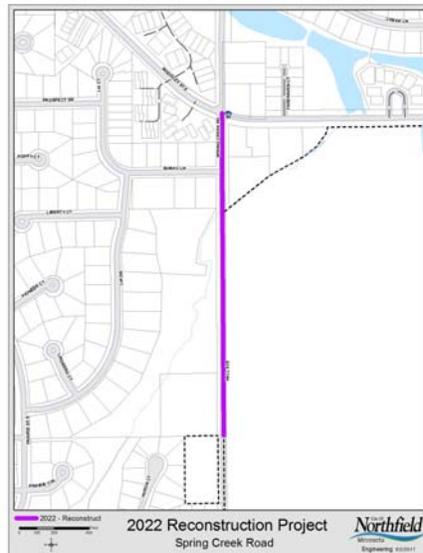
Project #	E-2022-004
Project Name	Spring Creek Road Reconstruction Phase II

Description	Total Project Cost: \$3,600,000
Conversion of the existing 24' Rural road section to an Urban road section with possible sidewalk and trail installations from Huron Court to Woodley Street.	

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance				3,600,000		3,600,000
Total				3,600,000		3,600,000

Funding Sources	2019	2020	2021	2022	2023	Total
MSA				3,600,000		3,600,000
Total				3,600,000		3,600,000



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	E-2023-001
Project Name	North Avenue/Jefferson Parkway Mill and Overlay

Description	Total Project Cost: \$2,302,448
Pavement Mill and Overlay and ADA upgraded on North Avenue from Falk Avenue to Summerfield Drive, and Jefferson Parkway from TH #3 to Spring Creek Road	

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	2019	2020	2021	2022	2023	Total
Construction/Maintenance					2,302,448	2,302,448
Total					2,302,448	2,302,448

Funding Sources	2019	2020	2021	2022	2023	Total
Assessments					187,862	187,862
MSA					1,985,334	1,985,334
Waste Water Fund					98,344	98,344
Total					2,271,540	2,271,540



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

Department Engineering Division

Contact

Type Unassigned

Useful Life

Category Capital Improvement Plan (CI)

Project #	E-2023-002
Project Name	Wall Street Road Reconstruction

Description	Total Project Cost: \$2,481,096
Complete Reconstruction of Wall Street Road from Prairie Street to the City Limits	

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance					2,481,096	2,481,096
Total					2,481,096	2,481,096

Funding Sources	2019	2020	2021	2022	2023	Total
Bonded Dollars					787,930	787,930
Rice County					963,026	963,026
Stormwater Fund					459,240	459,240
Waste Water Fund					115,200	115,200
Water Fund					155,700	155,700
Total					2,481,096	2,481,096



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

Department Engineering Division

Contact

Type Maintenance

Useful Life

Category Capital Improvement Plan (CI)

Project #	E-2023-003
Project Name	2023 Seal Coat/Crack Fill

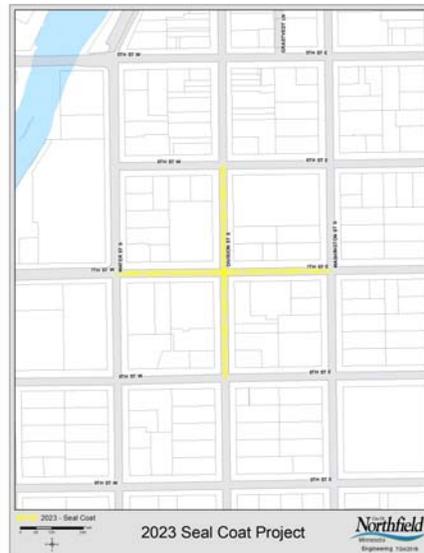
Description

Total Project Cost: \$12,930

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance					12,930	12,930
Total					<u>12,930</u>	<u>12,930</u>

Funding Sources	2019	2020	2021	2022	2023	Total
MSA					12,930	12,930
Total					<u>12,930</u>	<u>12,930</u>



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	P-2019-002
Project Name	River Corridor Concept Plan

Description	Total Project Cost: \$40,000
Develop concept plans for the parks along the Cannon river.	

Justification
Cannon riverfront enhancements is part of the strategic plan to bolster use of the river and increase downtown economic growth.

Expenditures	2019	2020	2021	2022	2023	Total
Planning/Design	40,000					40,000
Total	40,000					40,000

Funding Sources	2019	2020	2021	2022	2023	Total
Park Fund	40,000					40,000
Total	40,000					40,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	P-2019-003
Project Name	Way Park Paver Patio

Description	Total Project Cost: \$7,500
Building a paver patio area for picnic tables. Incorporating the paver patio with existing rotary music area.	

Justification
The paver patio area would be a good addition to the park. Friends of Way Park have agreed to help fund the paver patio.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	7,500					7,500
Total	7,500					7,500

Funding Sources	2019	2020	2021	2022	2023	Total
Park Fund	7,500					7,500
Total	7,500					7,500

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	P-2019-004
Project Name	Riverside Park River Access and Turnaround

Description	Total Project Cost: \$50,000
Build a landing to take out canoe/kayaks at Riverside Park. Build a turnaround area on the west end of 7th St at Riverside Park.	

Justification
To build a landing to take out canoes/kayaks on the Cannon River. Also making this area accessible for vehicles with trailers. This improvement is part of the strategic plan on riverfront enhancement.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	50,000					50,000
Total	50,000					50,000

Funding Sources	2019	2020	2021	2022	2023	Total
Park Fund	50,000					50,000
Total	50,000					50,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	P-2019-005
Project Name	Park Shelter Assessment

Description	Total Project Cost: \$10,000
Assessing the condition of the park shelters	

Justification
Have an assessment done on the park shelters to determine the needs and the best course of action. This will help in budgeting future projects on the shelters.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	10,000					10,000
Total	10,000					10,000

Funding Sources	2019	2020	2021	2022	2023	Total
Park Fund	10,000					10,000
Total	10,000					10,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

Department Park Division

Contact

Type Unassigned

Useful Life

Category Capital Improvement Plan (CI)

Project #	P-2019-006
Project Name	Memorial Pool Repairs

Description	Total Project Cost: \$15,000
Repai of broken pipe below the pool	

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	15,000					15,000
Total	15,000					15,000

Funding Sources	2019	2020	2021	2022	2023	Total
Park Fund	15,000					15,000
Total	15,000					15,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Construction/Maintenance				120,000		120,000
Total				120,000		120,000

Funding Sources	2019	2020	2021	2022	2023	Total
Grant				60,000		60,000
Park Fund				60,000		60,000
Total				120,000		120,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

Department Stormwater Division

Contact

Type Maintenance

Useful Life

Category Capital Improvement Plan (CI)

Project #	SW-2020-001
Project Name	Golf Course, Parmeadow Park #1 & #3 Pond Dredging

Description	Total Project Cost: \$690,477
Pond Dredging of the Golf Course Pond, Parmeadow Pond #1 and Parmeadow Pond #3.	

Justification
These ponds were ranked priority #1, #2, and #7 in the 2017 Storm Pond Assessment Study for percent full of sediment.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance		690,477				690,477
Total		690,477				690,477

Funding Sources	2019	2020	2021	2022	2023	Total
Stormwater Fund		690,477				690,477
Total		690,477				690,477



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Construction/Maintenance					2,000,000	2,000,000
Total					2,000,000	2,000,000

Funding Sources	2019	2020	2021	2022	2023	Total
Stormwater Fund					2,000,000	2,000,000
Total					2,000,000	2,000,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Description	Total Project Cost: \$789,610
Pond dredging of Prairie Hills Pond #1 and Hidden Valley Park Pond	

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

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance				789,610		789,610
Total				789,610		789,610

Funding Sources	2019	2020	2021	2022	2023	Total
Stormwater Fund				789,610		789,610
Total				789,610		789,610



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	ST-2019-ROOF
Project Name	Roof Replacement

Description	Total Project Cost: \$550,000
Roof Replacement at Maintenance Facility	

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	550,000					550,000
Total	550,000					550,000

Funding Sources	2019	2020	2021	2022	2023	Total
Bonded Dollars	550,000					550,000
Total	550,000					550,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2019-002
Project Name	BAF Stop Log and Cell Work

Description	Total Project Cost: \$824,310

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	824,310					824,310
Total	824,310					824,310

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund	824,310					824,310
Total	824,310					824,310

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2019-003
Project Name	MAU-3 Pretreatment Roof Replacement

Description	Total Project Cost: \$25,428

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	25,428					25,428
Total	25,428					25,428

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund	25,428					25,428
Total	25,428					25,428

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2019-004
Project Name	Biosolids Upgrades

Description	Total Project Cost: \$500,000
Upgrading the biosolids process to properly treat sludge.	

Justification
Biosolids process is required to treat wastewater.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	500,000					500,000
Total	500,000					500,000

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund	500,000					500,000
Total	500,000					500,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2020-002
Project Name	Babcock Generator

Description	Total Project Cost: \$200,000
Permenant generator at Babcock Lift Station.	

Justification
Provides the City with a backup in case of a power failure that will automatically turn on.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance		200,000				200,000
Total		200,000				200,000

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund		200,000				200,000
Total		200,000				200,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2020-003
Project Name	MAU-2 Pretreatment Roof Replacment

Description	Total Project Cost: \$53,147

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance		53,147				53,147
Total		53,147				53,147

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund		53,147				53,147
Total		53,147				53,147

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2021-002
Project Name	Biosolids Liquid Storage

Description	Total Project Cost: \$1,193,844

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance			1,193,844			1,193,844
Total			<u>1,193,844</u>			<u>1,193,844</u>

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund			1,193,844			1,193,844
Total			<u>1,193,844</u>			<u>1,193,844</u>



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2021-003
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	2019	2020	2021	2022	2023	Total
Construction/Maintenance			711,563			711,563
Total			711,563			711,563

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund			711,563			711,563
Total			711,563			711,563

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2021-004
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	2019	2020	2021	2022	2023	Total
Construction/Maintenance			1,622,500			1,622,500
Total			<u>1,622,500</u>			<u>1,622,500</u>

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund			1,622,500			1,622,500
Total			<u>1,622,500</u>			<u>1,622,500</u>

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2021-005
Project Name	BioSolids Roof Replacement

Description	Total Project Cost: \$115,000
Replacement of the BioSolids treatment building roof.	

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

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance			115,000			115,000
Total			115,000			115,000

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund			115,000			115,000
Total			115,000			115,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2021-006
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	2019	2020	2021	2022	2023	Total
Construction/Maintenance			24,345			24,345
Total			24,345			24,345

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund			24,345			24,345
Total			24,345			24,345

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2021-007
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	2019	2020	2021	2022	2023	Total
Construction/Maintenance			34,500			34,500
Total			<u>34,500</u>			<u>34,500</u>

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund			34,500			34,500
Total			<u>34,500</u>			<u>34,500</u>

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2021-008
Project Name	Shop Radiant Heaters

Description	Total Project Cost: \$20,000
Replace the existing shop radiant heaters.	

Justification
Replace the existing shop radiant heaters that are aging.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance			20,000			20,000
Total			20,000			20,000

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund			20,000			20,000
Total			20,000			20,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2021-009
Project Name	Operations Building Roof Replacement

Description	Total Project Cost: \$106,000

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance			106,000			106,000
Total			106,000			106,000

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund			106,000			106,000
Total			106,000			106,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	WW-2021-010
Project Name	Influent Lift Pumps Replacement

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

Justification
Identified in 2015 Facility Study.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance			1,372,594			1,372,594
Total			<u>1,372,594</u>			<u>1,372,594</u>

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund			1,372,594			1,372,594
Total			<u>1,372,594</u>			<u>1,372,594</u>

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Construction/Maintenance				324,500		324,500
Total				324,500		324,500

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund				324,500		324,500
Total				324,500		324,500

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Construction/Maintenance				62,172		62,172
Total				62,172		62,172

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund				62,172		62,172
Total				62,172		62,172

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Construction/Maintenance				359,900		359,900
Total				359,900		359,900

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund				359,900		359,900
Total				359,900		359,900

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Equip/Vehicles/Furnishings				843,975		843,975
Total				843,975		843,975

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund				843,975		843,975
Total				843,975		843,975

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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-7 Replacement

Description	Total Project Cost: \$31,805
MAU-7 replacement.	

Justification
The MAU-7 replacement upgrade was identified in the 2015 WWTP Facility Study.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance					31,805	31,805
Total					31,805	31,805

Funding Sources	2019	2020	2021	2022	2023	Total
Waste Water Fund					31,805	31,805
Total					31,805	31,805

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project # W-2019-001
Project Name Well No. 5 Maintenance

Description **Total Project Cost:** \$30,000
 Pulling Well No. 05 and replacing the column pipe. This is a standard maintenance practice conducted on wells.

Justification
 Standard well maintenance, completed every 8 years.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	30,000					30,000
Total	30,000					30,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund	30,000					30,000
Total	30,000					30,000



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	W-2019-002
Project Name	Monitoring Well

Description	Total Project Cost: \$80,000
Drill a monitoring well as required by the City's Water Supply Plan.	

Justification
Monitoring well is required by the DNR.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	80,000					80,000
Total	80,000					80,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund	80,000					80,000
Total	80,000					80,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	W-2019-003
Project Name	Hall Ave. Elevated Water Tank Maintenance

Description	Total Project Cost: \$300,000
Spot paint the Hall Ave. Elevated Water Tank.	

Justification

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance	300,000					300,000
Total	300,000					300,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund	300,000					300,000
Total	300,000					300,000



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	W-2020-002
Project Name	St. Olaf South Ground Storage Tank Maintenance

Description	Total Project Cost: \$300,000
Overcoat the St. Olaf ground storage tanks.	

Justification
An overcoat of paint to the tanks will extend the useful life of the paint.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance		300,000				300,000
Total		<u>300,000</u>				<u>300,000</u>

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund		300,000				300,000
Total		<u>300,000</u>				<u>300,000</u>



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project # W-2020-003
Project Name Well No. 02 Maintenance

Description **Total Project Cost:** \$30,000
 Pulling Well No. 02 and replacing the column pipe. This is a standard maintenance practice conducted on wells.

Justification
 Standard well maintenance, completed every 8 years.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance		30,000				30,000
Total		30,000				30,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund		30,000				30,000
Total		30,000				30,000



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	W-2020-004
Project Name	Well No. 06 Generator

Description	Total Project Cost: \$120,000
Well No. 6 Generator.	

Justification
As part of the 2015 Well No. 6 project a generator pad along with a transfer switch were installed for a future generator. This is the generator to be installed from that project.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance		120,000				120,000
Total		120,000				120,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund		120,000				120,000
Total		120,000				120,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	W-2021-002
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	2019	2020	2021	2022	2023	Total
Land Acquisition			250,000			250,000
Total			250,000			250,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund			250,000			250,000
Total			250,000			250,000



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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

Project #	W-2021-003
Project Name	St. Olaf North Ground Storage Tank Maintenance

Description	Total Project Cost: \$300,000
Overcoat the St. Olaf north ground storage tanks.	

Justification
An overcoat of paint will help extend the useful life of the paint.

Expenditures	2019	2020	2021	2022	2023	Total
Construction/Maintenance			300,000			300,000
Total			<u>300,000</u>			<u>300,000</u>

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund			300,000			300,000
Total			<u>300,000</u>			<u>300,000</u>



Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Construction/Maintenance					30,000	30,000
Total					30,000	30,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund					30,000	30,000
Total					30,000	30,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Construction/Maintenance					200,000	200,000
Total					200,000	200,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund					200,000	200,000
Total					200,000	200,000

Capital Improvement Plan
City of Northfield, Minnesota

2019 *thru* 2023

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	2019	2020	2021	2022	2023	Total
Equip/Vehicles/Furnishings					120,000	120,000
Total					120,000	120,000

Funding Sources	2019	2020	2021	2022	2023	Total
Water Fund					120,000	120,000
Total					120,000	120,000

2019-2023 CIP

- ■ ■ ■ ■ 2019 - Reclamation
- ■ ■ ■ ■ 2019 - Reconstruction
- ■ ■ ■ ■ 2019 - Seal Coat
- ■ ■ ■ ■ 2020 - Mill and Overlay
- ■ ■ ■ ■ 2020 - Reconstruction
- ■ ■ ■ ■ 2020 - Seal Coat
- ■ ■ ■ ■ 2021 - Reclamation
- ■ ■ ■ ■ 2021 - Reconstruction
- ■ ■ ■ ■ 2021 - Seal Coat
- ■ ■ ■ ■ 2022 - Mill and Overlay
- ■ ■ ■ ■ 2022 - Reclamation
- ■ ■ ■ ■ 2022 - Reconstruction
- ■ ■ ■ ■ 2022 - Seal Coat
- ■ ■ ■ ■ 2023 - Mill and Overlay
- ■ ■ ■ ■ 2023 - Reclamation
- ■ ■ ■ ■ 2023 - Reconstruct
- ■ ■ ■ ■ 2023 - Seal Coat

- Private Street
- ▭ Corporate Limits
- ▭ Streets
- ▭ Railroad
- ▭ Schools

Updated: 11/28/2018
 0 500 1,000 2,000
 Feet

Spring Creek Road Bridge
 2019

