

2018-2022 Capital Improvement Plan



City of Northfield, Minnesota

Capital Improvement Plan

2018 thru 2022

PROJECTS BY FUNDING SOURCE

Source	Project #	2018	2019	2020	2021	2022	Total
Assessments							
2018 Washington Street Mill and Overlay	E-2018-002	172,428					172,428
2018 Division & Seventh Street Reconstruction	E-2018-003	235,709					235,709
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
Assessments Total		408,137	606,195	636,340	876,410	170,456	2,697,538
Bonded Dollars							
2018 Division & Seventh Street Reconstruction	E-2018-003	654,515					654,515
2019 NW Area Reclamation	E-2019-001		233,366				233,366
2019 Wall Street Road Reconstruction	E-2019-004		147,375				147,375
2020 NE Area Mill and Overlay	E-2020-002			190,833			190,833
2020 College & Winona Street Reconstruction	E-2020-003			1,357,662			1,357,662
2021 Mayflower Hill Reclamation	E-2021-002				509,354		509,354
2021 Water Street South Reconstruction	E-2021-003				703,213		703,213
2022 Odd Fellow Area Reconstruction	E-2022-002					520,711	520,711
Fire Facility	F-2017-001	3,953,000					3,953,000
Downtown Parking Lots Rehabilitation	ST-2018-LOTS	338,485					338,485
Bonded Dollars Total		4,946,000	380,741	1,548,495	1,212,567	520,711	8,608,514
City Facilities Fund							
LED Street Department Lighting	F-2017-LED	18,000					18,000
Roof Replacement	ST-2019-ROOF		160,000				160,000
City Facilities Fund Total		18,000	160,000				178,000
Grant							
Riverside Park Playground Replacement	P-2022-001					60,000	60,000
Grant Total						60,000	60,000
Liquor							
Liquor Store Relocation	LIQ-2016-001	500,000					500,000
Liquor Total		500,000					500,000
MSA							

Source	Project #	2018	2019	2020	2021	2022	Total
2018 Washington Street Mill and Overlay	E-2018-002	611,124					611,124
2018 Division & Seventh Street Reconstruction	E-2018-003	1,380,099					1,380,099
2018 Seal Coat/Crack Fill Project	E-2018-004	137,006					137,006
2018 Spring Creek Road Reconstruction Project	E-2018-005	752,845					752,845
2019 NW Area Reclamation	E-2019-001		402,270				402,270
2019 Seal Coat/Crack Fill Project	E-2019-002		131,072				131,072
2019 TH 246 & Jefferson Parkway	E-2019-003		1,427,028				1,427,028
2020 NE Area Mill and Overlay	E-2020-002			95,278			95,278
2020 Seal Coat/Crack Fill Project	E-2020-004			128,769			128,769
2021 Seal Coat/Crack Fill Project	E-2021-004				79,590		79,590
2022 Spring Creek Road Bridge L2765 Replacement	E-2022-001					350,000	350,000
2022 Seal Coat/Crack Fill Project	E-2022-003					11,215	11,215
Spring Creek Road Reconstruction Phase II	E-2022-004					1,800,000	1,800,000
MSA Total		2,881,074	1,960,370	224,047	79,590	2,161,215	7,306,296
Other							
2018 Spring Creek Road Reconstruction Project	E-2018-005	104,723					104,723
2019 TH 246 & Jefferson Parkway	E-2019-003		1,304,790				1,304,790
2022 Spring Creek Road Bridge L2765 Replacement	E-2022-001					350,000	350,000
Other Total		104,723	1,304,790			350,000	1,759,513
Park Fund							
Riverside Park Playground Replacement	P-2022-001					60,000	60,000
Park Fund Total						60,000	60,000
Revenue Bond							
Liquor Store Relocation	LIQ-2016-001	2,000,000					2,000,000
Revenue Bond Total		2,000,000					2,000,000
Rice County							
2019 Wall Street Road Reconstruction	E-2019-004		180,125				180,125
Rice County Total			180,125				180,125
Stormwater Fund							
2018 Washington Street Mill and Overlay	E-2018-002	17,115					17,115
2018 Division & Seventh Street Reconstruction	E-2018-003	179,102					179,102
2019 NW Area Reclamation	E-2019-001		101,859				101,859
2019 TH 246 & Jefferson Parkway	E-2019-003		122,239				122,239
2020 NE Area Mill and Overlay	E-2020-002			36,715			36,715
2020 College & Winona Street Reconstruction	E-2020-003			225,400			225,400
2021 Mayflower Hill Reclamation	E-2021-002				115,175		115,175
2021 Water Street South Reconstruction	E-2021-003				37,800		37,800
2022 Odd Fellow Area Reconstruction	E-2022-002					39,000	39,000
Downtown Parking Lots Rehabilitation	ST-2018-LOTS	40,517					40,517
Hidden Valley Stormwater Pond Cleanout	SW-2016-002					60,000	60,000
Stormwater Fund Total		236,734	224,098	262,115	152,975	99,000	974,922

Source	Project #	2018	2019	2020	2021	2022	Total
Waste Water Fund							
2018 Washington Street Mill and Overlay	E-2018-002	6,271					6,271
2018 Division & Seventh Street Reconstruction	E-2018-003	264,936					264,936
2018 Spring Creek Road Reconstruction Project	E-2018-005	49,600					49,600
2019 NW Area Reclamation	E-2019-001		95,975				95,975
2019 Wall Street Road Reconstruction	E-2019-004		115,200				115,200
2020 NE Area Mill and Overlay	E-2020-002			36,250			36,250
2020 College & Winona Street Reconstruction	E-2020-003			423,588			423,588
2021 Mayflower Hill Reclamation	E-2021-002				108,575		108,575
2021 Water Street South Reconstruction	E-2021-003				251,600		251,600
2022 Odd Fellow Area Reconstruction	E-2022-002					105,000	105,000
In-line Phosphorous Analyzer	WW-2018-007	70,000					70,000
MAU-9 Replacement	WW-2018-008	16,000					16,000
BAF Gate Replacement	WW-2019-002		824,310				824,310
MAU-3 Pretreatment Roof Replacement	WW-2019-003		18,480				18,480
MAU-2 Pretreatment Roof Replacement	WW-2020-003			30,500			30,500
Biosolids Liquid Storage	WW-2021-002				1,193,844		1,193,844
BioSolids Cake Storage	WW-2021-003				711,563		711,563
BioSolids Treatment Process	WW-2021-004				3,478,750		3,478,750
BioSolids Roof Replacement	WW-2021-005				115,000		115,000
MAU-5 Replacement	WW-2021-006				18,184		18,184
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
BAF Roof Replacement	WW-2022-001					324,500	324,500
MAU-6 Replacement	WW-2022-002					22,715	22,715
Pretreatment Roof Replacement	WW-2022-003					359,900	359,900
SCADA Upgrade	WW-2022-004					1,622,500	1,622,500
Waste Water Fund Total		406,807	1,053,965	490,338	6,038,016	2,434,615	10,423,741
Water Fund							
2018 Washington Street Mill and Overlay	E-2018-002	7,662					7,662
2018 Division & Seventh Street Reconstruction	E-2018-003	279,359					279,359
2018 Spring Creek Road Reconstruction Project	E-2018-005	274,000					274,000
2019 NW Area Reclamation	E-2019-001		48,074				48,074
2019 Wall Street Road Reconstruction	E-2019-004		155,700				155,700
2020 NE Area Mill and Overlay	E-2020-002			36,250			36,250
2020 College & Winona Street Reconstruction	E-2020-003			571,202			571,202
2021 Mayflower Hill Reclamation	E-2021-002				53,394		53,394
2021 Water Street South Reconstruction	E-2021-003				338,550		338,550
2022 Odd Fellow Area Reconstruction	E-2022-002					141,750	141,750
Well No. 5 Maintenance	W-2019-001		30,000				30,000
St. Olaf Ground Storage Tank Maintenance	W-2019-002		500,000				500,000
Hall Ave. Elevated Water Tank Maintenance	W-2019-003		250,000				250,000
Land Acquisition for Water Tank in NW Area	W-2020-002		250,000				250,000
Well No. 02 Maintenance	W-2020-003			30,000			30,000
Well No. 6 Generator	W-2020-004			120,000			120,000
Well No. 3 MCC Replacement	W-2022-002					200,000	200,000
Water Fund Total		561,021	1,233,774	757,452	391,944	341,750	3,285,941
GRAND TOTAL		12,062,496	7,104,058	3,918,787	8,751,502	6,197,747	38,034,590

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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

Project # F-2017-LED
Project Name LED Street Department Lighting

Description

Total Project Cost: \$18,000

Retrofit and Replacement of all light fixtures including exterior and Parking lot lights to LED at the Street Department.

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	18,000					18,000
Total	18,000					18,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Facilities Fund	18,000					18,000
Total	18,000					18,000

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Project # E-2018-002
Project Name 2018 Washington Street Mill and Overlay

Description

Total Project Cost: \$814,600

1-1/2" Pavement Mill and Overlay on Washington Street from Woodley Street to Third Street.

Justification

This section of road has 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	2018	2019	2020	2021	2022	Total
Construction/Maintenance	814,600					814,600
Total	814,600					814,600

Funding Sources	2018	2019	2020	2021	2022	Total
Assessments	172,428					172,428
MSA	611,124					611,124
Stormwater Fund	17,115					17,115
Waste Water Fund	6,271					6,271
Water Fund	7,662					7,662
Total	814,600					814,600



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Project # E-2018-003
Project Name 2018 Division & Seventh Street Reconstruction

Description

Total Project Cost: \$2,993,720

Complete infrastructure replacement with enhanced streetscape elements to match the existing projects that have been completed in the downtown area. The project area includes Division Street from Sixth Street to Eighth Street, and Seventh Street from Water Street to Washington Street.

Justification

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

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	2,993,720					2,993,720
Total	2,993,720					2,993,720

Funding Sources	2018	2019	2020	2021	2022	Total
Assessments	235,709					235,709
Bonded Dollars	654,515					654,515
MSA	1,380,099					1,380,099
Stormwater Fund	179,102					179,102
Waste Water Fund	264,936					264,936
Water Fund	279,359					279,359
Total	2,993,720					2,993,720



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Project # E-2018-004
Project Name 2018 Seal Coat/Crack Fill Project

Description

Total Project Cost: \$137,006

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	137,006					137,006
Total	137,006					137,006

Funding Sources	2018	2019	2020	2021	2022	Total
MSA	137,006					137,006
Total	137,006					137,006



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Project #	E-2018-005
Project Name	2018 Spring Creek Road Reconstruction Project

Description	Total Project Cost: \$1,181,168
Conversion of the existing 24' Rural road section to a 40' Urban road section with possible sidewalk and trail installations.	

Justification
Bring Spring Creek Road up to a paved 40' wide rural section along the recently developed Hills of Spring Creek area.

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	1,181,168					1,181,168
Total	1,181,168					1,181,168

Funding Sources	2018	2019	2020	2021	2022	Total
MSA	752,845					752,845
Other	104,723					104,723
Waste Water Fund	49,600					49,600
Water Fund	274,000					274,000
Total	1,181,168					1,181,168



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Total Project Cost: \$1,487,739

Description

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 Fourth 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.

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		1,487,739				1,487,739
Total		1,487,739				1,487,739

Funding Sources	2018	2019	2020	2021	2022	Total
Assessments		606,195				606,195
Bonded Dollars		233,366				233,366
MSA		402,270				402,270
Stormwater Fund		101,859				101,859
Waste Water Fund		95,975				95,975
Water Fund		48,074				48,074
Total		1,487,739				1,487,739



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

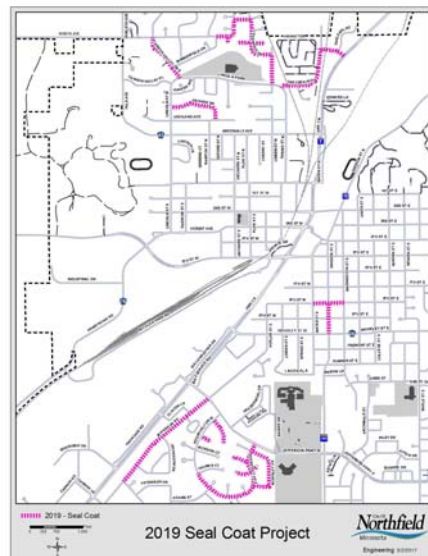
Description

Total Project Cost: \$131,072

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		131,072				131,072
Total		131,072				131,072

Funding Sources	2018	2019	2020	2021	2022	Total
MSA		131,072				131,072
Total		131,072				131,072



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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: \$2,854,057
TH 246 and Jefferson Parkway Intersection Improvements	

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		2,854,057				2,854,057
Total		2,854,057				2,854,057

Funding Sources	2018	2019	2020	2021	2022	Total
MSA		1,427,028				1,427,028
Other		1,304,790				1,304,790
Stormwater Fund		122,239				122,239
Total		2,854,057				2,854,057



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

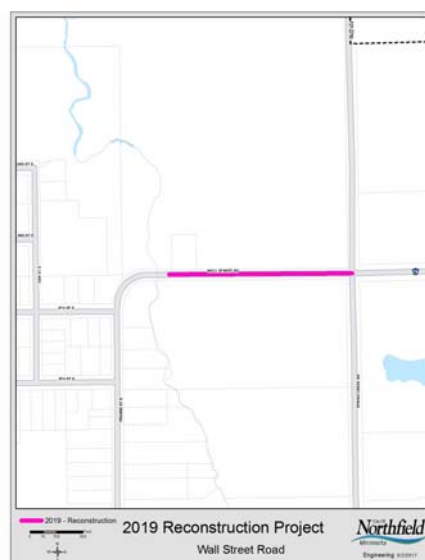
Project #	E-2019-004
Project Name	2019 Wall Street Road Reconstruction

Description	Total Project Cost: \$598,400
Reconstruction of Wall Street Road from Prairie Street to Spring Creek Road, including pedestrian upgrades in cooperation with Rice County.	

Justification
Wall Street Road (CR7 79) is on Rice County's 2019 CIP for Reconstruction

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		598,400				598,400
Total		598,400				598,400

Funding Sources	2018	2019	2020	2021	2022	Total
Bonded Dollars		147,375				147,375
Rice County		180,125				180,125
Waste Water Fund		115,200				115,200
Water Fund		155,700				155,700
Total		598,400				598,400



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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: \$745,576
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	2018	2019	2020	2021	2022	Total
Construction/Maintenance			745,576			745,576
Total			745,576			745,576

Funding Sources	2018	2019	2020	2021	2022	Total
Assessments			350,250			350,250
Bonded Dollars			190,833			190,833
MSA			95,278			95,278
Stormwater Fund			36,715			36,715
Waste Water Fund			36,250			36,250
Water Fund			36,250			36,250
Total			745,576			745,576



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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: \$2,863,942

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance			2,863,942			2,863,942
Total			2,863,942			2,863,942

Funding Sources	2018	2019	2020	2021	2022	Total
Assessments			286,090			286,090
Bonded Dollars			1,357,662			1,357,662
Stormwater Fund			225,400			225,400
Waste Water Fund			423,588			423,588
Water Fund			571,202			571,202
Total			2,863,942			2,863,942



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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: \$128,769
Justification	

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance			128,769			128,769
Total			128,769			128,769

Funding Sources	2018	2019	2020	2021	2022	Total
MSA			128,769			128,769
Total			128,769			128,769



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

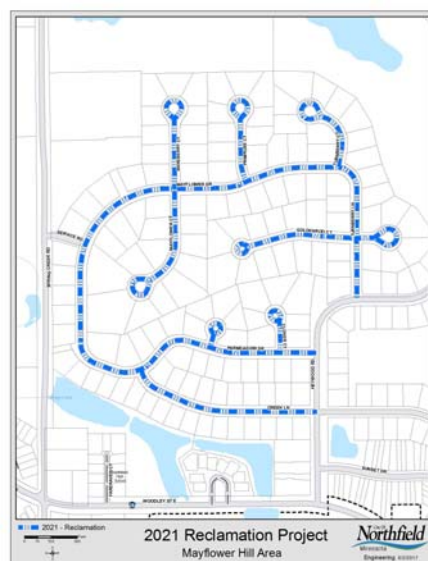
Project #	E-2021-002
Project Name	2021 Mayflower Hill Reclamation

Description	Total Project Cost: \$1,543,488
Mayflower Hill Area Reclamation pavement rehabilitation	

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance				1,543,488		1,543,488
Total				1,543,488		1,543,488

Funding Sources	2018	2019	2020	2021	2022	Total
Assessments				756,990		756,990
Bonded Dollars				509,354		509,354
Stormwater Fund				115,175		115,175
Waste Water Fund				108,575		108,575
Water Fund				53,394		53,394
Total				1,543,488		1,543,488



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

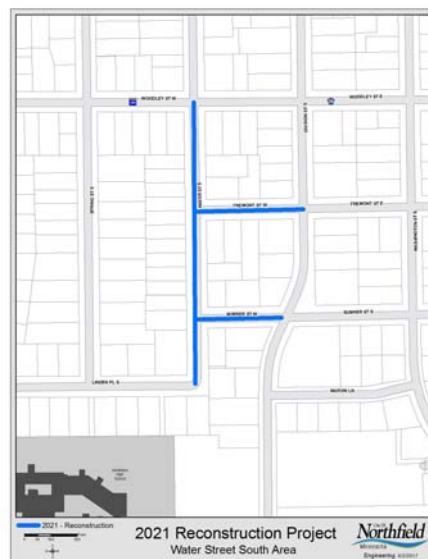
Project #	E-2021-003
Project Name	2021 Water Street South Reconstruction

Description	Total Project Cost: \$1,450,583
Water Street South Reconstruction - complete street reconstruction due to aging infrastructure.	

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance				1,450,583		1,450,583
Total				1,450,583		1,450,583

Funding Sources	2018	2019	2020	2021	2022	Total
Assessments				119,420		119,420
Bonded Dollars				703,213		703,213
Stormwater Fund				37,800		37,800
Waste Water Fund				251,600		251,600
Water Fund				338,550		338,550
Total				1,450,583		1,450,583



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

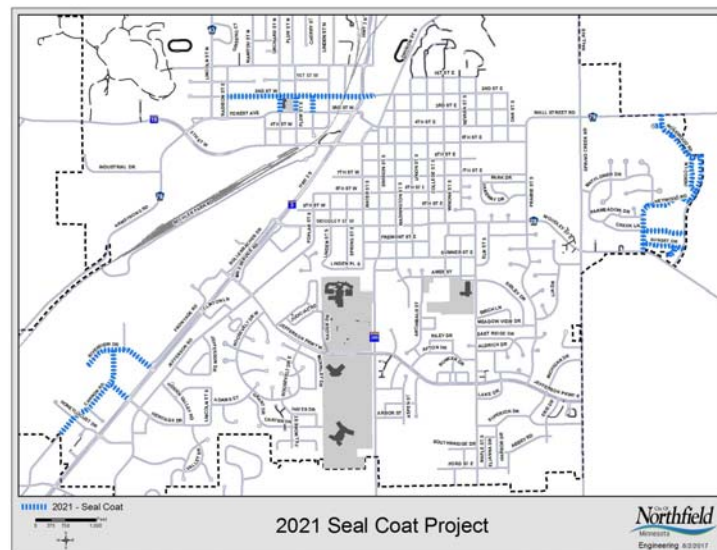
Description

Total Project Cost: \$79,590

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance				79,590		79,590
Total				79,590		79,590

Funding Sources	2018	2019	2020	2021	2022	Total
MSA				79,590		79,590
Total				79,590		79,590



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

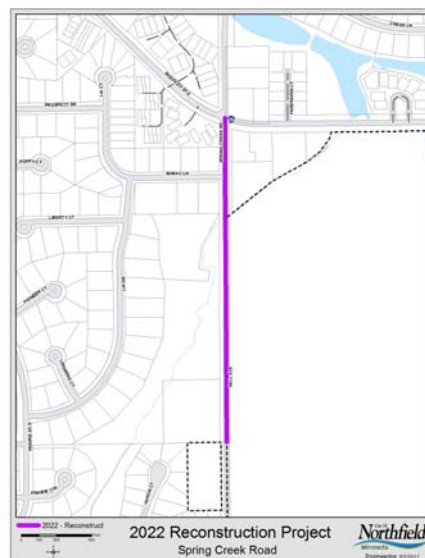
Project #	E-2022-001
Project Name	2022 Spring Creek Road Bridge L2765 Replacement

Description	Total Project Cost: \$700,000
Replacement of the Bridge L2765 on Spring Creek Road south of Sumac Lane	

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance					700,000	700,000
Total					700,000	700,000

Funding Sources	2018	2019	2020	2021	2022	Total
MSA					350,000	350,000
Other					350,000	350,000
Total					700,000	700,000



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

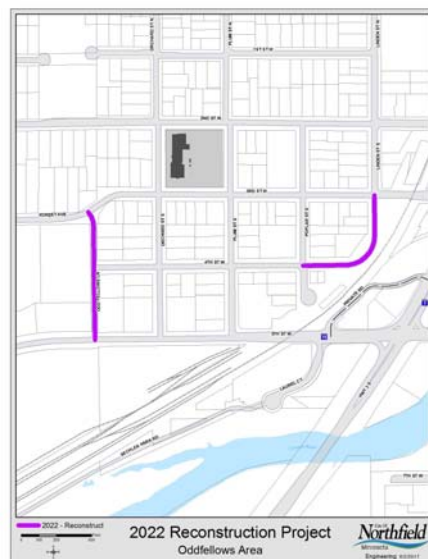
Total Project Cost: \$976,917

Reconstruction of Linden Street - Thirld Street to Poplar Street, and Odd Fellows Lane - Third St to Fifth St

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance					976,917	976,917
Total					976,917	976,917

Funding Sources	2018	2019	2020	2021	2022	Total
Assessments					170,456	170,456
Bonded Dollars					520,711	520,711
Stormwater Fund					39,000	39,000
Waste Water Fund					105,000	105,000
Water Fund					141,750	141,750
Total					976,917	976,917



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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: \$11,215
Justification	

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance					11,215	11,215
Total					11,215	11,215

Funding Sources	2018	2019	2020	2021	2022	Total
MSA					11,215	11,215
Total					11,215	11,215



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

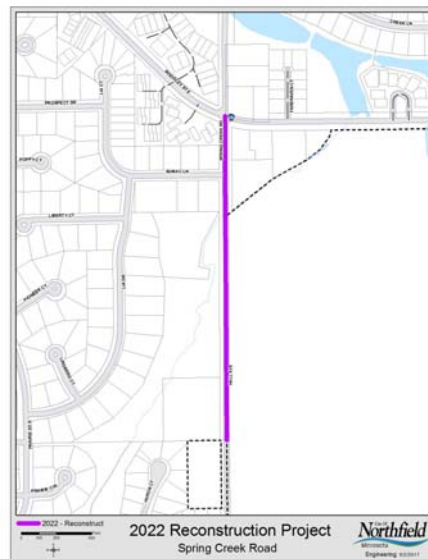
Project #	E-2022-004
Project Name	Spring Creek Road Reconstruction Phase II

Description	Total Project Cost: \$1,800,000
Conversion of the existing 24' Rural road section to a 40' Urban road section with possible sidewalk and trail installations from Huron Court to Woodley Street.	

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance					1,800,000	1,800,000
Total					1,800,000	1,800,000

Funding Sources	2018	2019	2020	2021	2022	Total
MSA					1,800,000	1,800,000
Total					1,800,000	1,800,000



Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

Department Liquor Store

Contact

Type Facility

Useful Life

Category Capital Improvement Plan (CI)

Project #	LIQ-2016-001
Project Name	Liquor Store Relocation

Description	Total Project Cost: \$2,500,000
Identified through previous council goal setting and project identification is the construction of a new liquor store. The current facility is dated, in need of substantial maintenance and amenity upgrades to meet industry standards and community expectations as well as to remain financially competitive.	

Justification
The 2015 budget includes funding for financial projections and feasibility analysis (\$14,000). These matters will be brought forward in late summer of 2015 which would justify the construction and location for a new facility. A new facility would be funded through liquor revenue notes with a market study that would support this debt service without negative impacts to the general fund nor levy.

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	2,500,000					2,500,000
Total	2,500,000					2,500,000

Funding Sources	2018	2019	2020	2021	2022	Total
Liquor	500,000					500,000
Revenue Bond	2,000,000					2,000,000
Total	2,500,000					2,500,000

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

Department Northfield Area Fire & Rescue
Contact City Administrator
Type Facility
Useful Life 40 years
Category Capital Improvement Plan (CI)

Project #	F-2017-001
Project Name	Fire Facility

Description	Total Project Cost: \$3,953,000
<p>Fire Facility Expansion and Renovation</p> <p>Northfield pays approximately 71% of cost for the fire service from the Northfield Area Fire and Rescue Service JPA. The City will bond for the entire project and will collect the capital costs of the improvement through the lease payment from the other parties to the JPA. The JPA allocation for the each party may be adjusted in the future based on the formula agreed to by the parties.</p>	
Justification	
<p>The current facility the fire department is operating out of is out of date, with structural and environmental problems. The site of the fire station is also in a flood area, and the building is typically flooded each year.</p>	

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	3,953,000					3,953,000
Total	3,953,000					3,953,000

Funding Sources	2018	2019	2020	2021	2022	Total
Bonded Dollars	3,953,000					3,953,000
Total	3,953,000					3,953,000

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance					120,000	120,000
Total					120,000	120,000

Funding Sources	2018	2019	2020	2021	2022	Total
Grant					60,000	60,000
Park Fund					60,000	60,000
Total					120,000	120,000

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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

Project #	SW-2016-002
Project Name	Hidden Valley Stormwater Pond Cleanout

Description	Total Project Cost: \$610,000
This project will address maintenance needs at the stormwater pond in Hidden Valley.	

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Planning/Design					60,000	60,000
Total					60,000	60,000

Funding Sources	2018	2019	2020	2021	2022	Total
Stormwater Fund					60,000	60,000
Total					60,000	60,000

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Project # ST-2018-LOTS
Project Name Downtown Parking Lots Rehabilitation

Total Project Cost: \$379,002

Description

Downtown Parking Lots Rehabilitation
 -Grand Parking Lot Reclamation
 -Washington Street and Fifth Street lot mill and overlay
 -Third Street lot mill and overlay

Justification

Pavement needs reclaimed, if not done continued deterioration of the pavement section, which will cause more costly repairs in the near future.

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	379,002					379,002
Total	379,002					379,002

Funding Sources	2018	2019	2020	2021	2022	Total
Bonded Dollars	338,485					338,485
Stormwater Fund	40,517					40,517
Total	379,002					379,002



Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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: \$160,000
Roof Replacement at Maintenance Facility	

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		160,000				160,000
Total		160,000				160,000

Funding Sources	2018	2019	2020	2021	2022	Total
City Facilities Fund		160,000				160,000
Total		160,000				160,000

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Project #	WW-2018-007
Project Name	In-line Phosphorous Analyzer

Description	Total Project Cost: \$70,000
An in-line phosphorous analyzer allows wwtp staff to have continuous monitoring of phosphorous at the wwtp. Chemical pumps then can dose chemicals based upon phosphorous concentrations.	

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

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	70,000					70,000
Total	70,000					70,000

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund	70,000					70,000
Total	70,000					70,000

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Project #	WW-2018-008
Project Name	MAU-9 Replacement

Description	Total Project Cost: \$16,000
Replacement of MAU-9.	

Justification
The MAU-9 replacement upgrade was identified in the 2015 WWTP Facility Study. Staff is adjusting MAU-9 replacement to 2018 instead of 2025 as it is having failures. Staff then is adjusting MAU-2 to 2020 and MAU 4 to 2025.

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance	16,000					16,000
Total	16,000					16,000

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund	16,000					16,000
Total	16,000					16,000

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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 Gate Replacement

Description	Total Project Cost: \$824,310

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		824,310				824,310
Total		824,310				824,310

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund		824,310				824,310
Total		824,310				824,310

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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: \$18,480
Justification	

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		18,480				18,480
Total		18,480				18,480

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund		18,480				18,480
Total		18,480				18,480

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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: \$30,500
Justification	

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance			30,500			30,500
Total			30,500			30,500

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund			30,500			30,500
Total			30,500			30,500

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance				1,193,844		1,193,844
Total				1,193,844		1,193,844

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund				1,193,844		1,193,844
Total				1,193,844		1,193,844



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance				711,563		711,563
Total				711,563		711,563

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund				711,563		711,563
Total				711,563		711,563

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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

Project #	WW-2021-004
Project Name	BioSolids Treatment Process

Description	Total Project Cost: \$3,478,750
A new BioSolids treatment process for creation of a class A, exceptional quality, BioSolids product.	

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

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance				3,478,750		3,478,750
Total				3,478,750		3,478,750

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund				3,478,750		3,478,750
Total				3,478,750		3,478,750

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance				115,000		115,000
Total				115,000		115,000

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund				115,000		115,000
Total				115,000		115,000

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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: \$18,184
Replacement of MAU-5.	

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

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance				18,184		18,184
Total				18,184		18,184

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund				18,184		18,184
Total				18,184		18,184

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance				34,500		34,500
Total				34,500		34,500

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund				34,500		34,500
Total				34,500		34,500

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance				20,000		20,000
Total				20,000		20,000

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund				20,000		20,000
Total				20,000		20,000

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance				106,000		106,000
Total				106,000		106,000

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund				106,000		106,000
Total				106,000		106,000

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance					324,500	324,500
Total					324,500	324,500

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund					324,500	324,500
Total					324,500	324,500

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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: \$22,715
Replacement of MAU-6.	

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

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance					22,715	22,715
Total					22,715	22,715

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund					22,715	22,715
Total					22,715	22,715

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance					359,900	359,900
Total					359,900	359,900

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund					359,900	359,900
Total					359,900	359,900

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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

Project #	WW-2022-004
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	2018	2019	2020	2021	2022	Total
Construction/Maintenance					1,622,500	1,622,500
Total					1,622,500	1,622,500

Funding Sources	2018	2019	2020	2021	2022	Total
Waste Water Fund					1,622,500	1,622,500
Total					1,622,500	1,622,500

Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance		30,000				30,000
Total		30,000				30,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Fund		30,000				30,000
Total		30,000				30,000



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Project # W-2019-002
Project Name St. Olaf Ground Storage Tank Maintenance

Description

Total Project Cost: \$500,000

Spot paint the St. Olaf ground storage tanks.

Justification

Spot painting the tanks extend the useful life of the paint.

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		500,000				500,000
Total		500,000				500,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Fund		500,000				500,000
Total		500,000				500,000



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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: \$250,000

Spot paint the Hall Ave. Elevated Water Tank.

Justification

Expenditures	2018	2019	2020	2021	2022	Total
Construction/Maintenance		250,000				250,000
Total		250,000				250,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Fund		250,000				250,000
Total		250,000				250,000



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

Department Water Division

Contact Public Works Director

Type Land

Useful Life 40 years

Category Capital Improvement Plan (CI

Project # W-2020-002

Project Name Land Acquisition for Water Tank in NW Area

Total Project Cost: \$250,000

Description

Acquire land in northwest annexation area for future water tank. The tower site would need to be roughly 5 acres in size.

Justification

Service enterprise park in the in NW annexation area.

Expenditures	2018	2019	2020	2021	2022	Total
Land Acquisition		250,000				250,000
Total		250,000				250,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Fund		250,000				250,000
Total		250,000				250,000



Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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	2018	2019	2020	2021	2022	Total
Construction/Maintenance			30,000			30,000
Total			30,000			30,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Fund			30,000			30,000
Total			30,000			30,000



Capital Improvement Plan
City of Northfield, Minnesota

2018 *thru* 2022

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. 6 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	2018	2019	2020	2021	2022	Total
Construction/Maintenance			120,000			120,000
Total			120,000			120,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Fund			120,000			120,000
Total			120,000			120,000

Capital Improvement Plan

City of Northfield, Minnesota

2018 *thru* 2022

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

Project #	W-2022-002
Project Name	Well No. 3 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	2018	2019	2020	2021	2022	Total
Construction/Maintenance					200,000	200,000
Total					200,000	200,000

Funding Sources	2018	2019	2020	2021	2022	Total
Water Fund					200,000	200,000
Total					200,000	200,000