

2020-2024  
Capital  
Improvement  
Plan



City of Northfield, Minnesota

Capital Improvement Plan

2020 thru 2024

PROJECTS BY DEPARTMENT

Department	Project #	2020	2021	2022	2023	2024	Total
<b>City Facilities</b>							
City Hall - Council Chamber Carpet	F-2020-001	15,000					15,000
City Hall Boiler replacement	F-2021-002		150,000				150,000
Ice Arena Rubber Roof Replacment	F-2021-003		130,000				130,000
<b>City Facilities Total</b>		<b>15,000</b>	<b>280,000</b>				<b>295,000</b>
<b>Engineering Division</b>							
2019 TH 246 & Jefferson Parkway	E-2019-003	3,325,000					3,325,000
2020 Mill and Overlay	E-2020-002	4,204,835					4,204,835
2020 Seal Coat/Crack Fill Project	E-2020-003	57,616					57,616
2021 Mayflower Hill Reclamation	E-2021-002		2,404,953				2,404,953
2021 Seal Coat/Crack Fill Project	E-2021-003		130,043				130,043
TH 3 Frontage Road Mill and Overlay	E-2021-004		888,017				888,017
NW Area Mill and Overlay	E-2022-001			3,523,818			3,523,818
2022 Seal Coat/Crack Fill Project	E-2022-002			106,197			106,197
Southwest Area Reclamation	E-2023-001				1,788,302		1,788,302
2023 Mill and Overlay Project	E-2023-002				4,506,443		4,506,443
2024 College & Winona Street Reconstruction	E-2024-001					3,019,822	3,019,822
2024 Water Street South Reconstruction	E-2024-002					1,522,217	1,522,217
Wall Street Road Reconstruction	E-2024-003					3,126,693	3,126,693
<b>Engineering Division Total</b>		<b>7,587,451</b>	<b>3,423,013</b>	<b>3,630,015</b>	<b>6,294,745</b>	<b>7,668,732</b>	<b>28,603,956</b>
<b>NCRC</b>							
Parking Lot Crack Seal and Seal Coat	NCRC 2020-01	30,000					30,000
New Pool Heaters	NCRC 2021-01		10,000				10,000
Exterior Painting	NCRC 2024-01					10,000	10,000
<b>NCRC Total</b>		<b>30,000</b>	<b>10,000</b>			<b>10,000</b>	<b>50,000</b>
<b>Park Division</b>							
River Corridor Concept Plan	P-2019-002	40,000					40,000
Riverside Park River Access and Turnaround	P-2019-004	50,000					50,000
Northeastern Area Neighborhood Park	P-2020-002	350,000					350,000
Riverside Park Playground Replacement	P-2022-001			120,000			120,000
<b>Park Division Total</b>		<b>440,000</b>		<b>120,000</b>			<b>560,000</b>
<b>Stormwater Division</b>							
Hills #3, Cannon & Locust Pond Dredging	SW- 2024-001				597,652		597,652
Golf Course, Parmeadow Park #1 & #3 Pond Dredging	SW-2020-001	690,477					690,477
West Riverwall Floodwall Extension	SW-2021-001				2,000,000		2,000,000
Prairie Hills #1 and Hidden Valley Pond Dredging	SW-2022-001			789,610			789,610
<b>Stormwater Division Total</b>		<b>690,477</b>		<b>789,610</b>	<b>2,000,000</b>	<b>597,652</b>	<b>4,077,739</b>

Department	Project #	2020	2021	2022	2023	2024	Total
<b>Street Division</b>							
SALT STORAGE BUILDING	ST-2021-003		275,000				275,000
<b>Street Division Total</b>			<b>275,000</b>				<b>275,000</b>
<b>Wastewater Division</b>							
Babcock Generator	WW-2020-002	200,000					200,000
MAU-2 Pretreatment Replacment	WW-2020-003	53,147					53,147
In-line Phosphorous Analyzer	WW-2020-004	70,000					70,000
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
MAU-5 Replacement	WW-2021-006		24,345				24,345
UV Disinfection Roof Replacement	WW-2021-007		34,500				34,500
Shop Radiant Heaters	WW-2021-008		20,000				20,000
Operations Building Roof Replacement	WW-2021-009		106,000				106,000
Influent Lift Pumps Replacement	WW-2021-010		1,372,594				1,372,594
BAF Roof Replacement	WW-2022-001			324,500			324,500
MAU-6 Replacement	WW-2022-002			62,172			62,172
Pretreatment Roof Replacement	WW-2022-003			359,900			359,900
BAF Blower Replacements	WW-2022-004			843,975			843,975
MAU-1 Replacement	WW-2023-002				29,938		29,938
MAU-2 Replacement	WW-2024-001					61,611	61,611
<b>Wastewater Division Total</b>		<b>323,147</b>	<b>5,085,346</b>	<b>1,590,547</b>	<b>29,938</b>	<b>61,611</b>	<b>7,090,589</b>
<b>Water Division</b>							
St. Olaf South Ground Storage Tank Maintenance	W-2020-002	300,000					300,000
Well No. 02 Maintenance	W-2020-003	30,000					30,000
Well No. 06 Generator	W-2020-004	120,000					120,000
St. Olaf North Ground Storage Tank Maintenance	W-2020-005	300,000					300,000
Land Acquisition for Water Tank in NW Area	W-2021-002		250,000				250,000
Well No. 03 Maintenance	W-2023-001				30,000		30,000
Well No. 03 MCC Replacement	W-2023-002				200,000		200,000
Well No. 03 Generator Replacement	W-2023-003				120,000		120,000
Well No. 04 Maintenance	W-2024-001					30,000	30,000
Well No. 04 Generator Replacement	W-2024-002					120,000	120,000
Well No. 04 MCC Replacement	W-2024-003					200,000	200,000
<b>Water Division Total</b>		<b>750,000</b>	<b>250,000</b>		<b>350,000</b>	<b>350,000</b>	<b>1,700,000</b>
<b>GRAND TOTAL</b>		<b>9,836,075</b>	<b>9,323,359</b>	<b>6,130,172</b>	<b>8,674,683</b>	<b>8,687,995</b>	<b>42,652,284</b>

City of Northfield, Minnesota

Capital Improvement Plan

2020 thru 2024

PROJECTS BY FUNDING SOURCE

Source	Project #	2020	2021	2022	2023	2024	Total
<b>Assessments</b>							
2020 Mill and Overlay	E-2020-002	848,559					848,559
2021 Mayflower Hill Reclamation	E-2021-002		744,030				744,030
TH 3 Frontage Road Mill and Overlay	E-2021-004		368,725				368,725
NW Area Mill and Overlay	E-2022-001			1,225,533			1,225,533
Southwest Area Reclamation	E-2023-001				492,345		492,345
2023 Mill and Overlay Project	E-2023-002				976,203		976,203
2024 College & Winona Street Reconstruction	E-2024-001					293,440	293,440
2024 Water Street South Reconstruction	E-2024-002					119,420	119,420
Wall Street Road Reconstruction	E-2024-003					367,004	367,004
<b>Assessments Total</b>		<b>848,559</b>	<b>1,112,755</b>	<b>1,225,533</b>	<b>1,468,548</b>	<b>779,864</b>	<b>5,435,259</b>
<b>Bonded Dollars</b>							
2019 TH 246 & Jefferson Parkway	E-2019-003	1,441,520					1,441,520
2020 Mill and Overlay	E-2020-002	2,995,552					2,995,552
2021 Mayflower Hill Reclamation	E-2021-002		1,555,636				1,555,636
TH 3 Frontage Road Mill and Overlay	E-2021-004		391,553				391,553
NW Area Mill and Overlay	E-2022-001			1,281,672			1,281,672
Southwest Area Reclamation	E-2023-001				1,195,177		1,195,177
2023 Mill and Overlay Project	E-2023-002				757,862		757,862
2024 College & Winona Street Reconstruction	E-2024-001					1,444,916	1,444,916
2024 Water Street South Reconstruction	E-2024-002					756,863	756,863
Wall Street Road Reconstruction	E-2024-003					442,967	442,967
Ice Arena Rubber Roof Replacement	F-2021-003		130,000				130,000
Northeastern Area Neighborhood Park	P-2020-002	350,000					350,000
<b>Bonded Dollars Total</b>		<b>4,787,072</b>	<b>2,077,189</b>	<b>1,281,672</b>	<b>1,953,039</b>	<b>2,644,746</b>	<b>12,743,718</b>
<b>City Facilities Fund</b>							
City Hall - Council Chamber Carpet	F-2020-001	15,000					15,000
City Hall Boiler replacement	F-2021-002		150,000				150,000
SALT STORAGE BUILDING	ST-2021-003		275,000				275,000
<b>City Facilities Fund Total</b>		<b>15,000</b>	<b>425,000</b>				<b>440,000</b>
<b>Grant</b>							
2019 TH 246 & Jefferson Parkway	E-2019-003	1,383,480					1,383,480
Riverside Park Playground Replacement	P-2022-001			60,000			60,000
<b>Grant Total</b>		<b>1,383,480</b>		<b>60,000</b>			<b>1,443,480</b>
<b>MSA</b>							

Source	Project #	2020	2021	2022	2023	2024	Total
2019 TH 246 & Jefferson Parkway	E-2019-003	500,000					500,000
2020 Mill and Overlay	E-2020-002	0					0
2020 Seal Coat/Crack Fill Project	E-2020-003	57,616					57,616
2021 Seal Coat/Crack Fill Project	E-2021-003		130,043				130,043
NW Area Mill and Overlay	E-2022-001			0			0
2022 Seal Coat/Crack Fill Project	E-2022-002			106,197			106,197
2023 Mill and Overlay Project	E-2023-002				2,179,300		2,179,300
<b>MSA Total</b>		<b>557,616</b>	<b>130,043</b>	<b>106,197</b>	<b>2,179,300</b>		<b>2,973,156</b>
<b>NRCR Fund</b>							
Parking Lot Crack Seal and Seal Coat	NCRC 2020-01	30,000					30,000
New Pool Heaters	NCRC 2021-01		10,000				10,000
Exterior Painting	NCRC 2024-01					10,000	10,000
<b>NRCR Fund Total</b>		<b>30,000</b>	<b>10,000</b>			<b>10,000</b>	<b>50,000</b>
<b>Park Fund</b>							
River Corridor Concept Plan	P-2019-002	40,000					40,000
Riverside Park River Access and Turnaround	P-2019-004	50,000					50,000
Riverside Park Playground Replacement	P-2022-001			60,000			60,000
<b>Park Fund Total</b>		<b>90,000</b>		<b>60,000</b>			<b>150,000</b>
<b>Rice County</b>							
NW Area Mill and Overlay	E-2022-001			280,254			280,254
Wall Street Road Reconstruction	E-2024-003					989,963	989,963
<b>Rice County Total</b>				<b>280,254</b>		<b>989,963</b>	<b>1,270,217</b>
<b>Stormwater Fund</b>							
2020 Mill and Overlay	E-2020-002	304,984					304,984
2021 Mayflower Hill Reclamation	E-2021-002		48,432				48,432
TH 3 Frontage Road Mill and Overlay	E-2021-004		68,979				68,979
NW Area Mill and Overlay	E-2022-001			201,495			201,495
Southwest Area Reclamation	E-2023-001				47,367		47,367
2023 Mill and Overlay Project	E-2023-002				345,296		345,296
2024 College & Winona Street Reconstruction	E-2024-001					338,224	338,224
2024 Water Street South Reconstruction	E-2024-002					170,485	170,485
Wall Street Road Reconstruction	E-2024-003					350,178	350,178
Hills #3, Cannon & Locust Pond Dredging	SW- 2024-001					597,652	597,652
Golf Course, Parmeadow Park #1 & #3 Pond Dredging	SW-2020-001	690,477					690,477
West Riverwall Floodwall Extension	SW-2021-001				2,000,000		2,000,000
Prairie Hills #1 and Hidden Valley Pond Dredging	SW-2022-001			789,610			789,610
<b>Stormwater Fund Total</b>		<b>995,461</b>	<b>117,411</b>	<b>991,105</b>	<b>2,392,663</b>	<b>1,456,539</b>	<b>5,953,179</b>
<b>Waste Water Fund</b>							
2020 Mill and Overlay	E-2020-002	36,454					36,454
2021 Mayflower Hill Reclamation	E-2021-002		46,326				46,326
TH 3 Frontage Road Mill and Overlay	E-2021-004		44,709				44,709
NW Area Mill and Overlay	E-2022-001			406,962			406,962
Southwest Area Reclamation	E-2023-001				44,343		44,343

Source	Project #	2020	2021	2022	2023	2024	Total
2023 Mill and Overlay Project	E-2023-002				188,530		188,530
2024 College & Winona Street Reconstruction	E-2024-001					317,410	317,410
2024 Water Street South Reconstruction	E-2024-002					159,993	159,993
Wall Street Road Reconstruction	E-2024-003					328,629	328,629
Babcock Generator	WW-2020-002	200,000					200,000
MAU-2 Pretreatment Replacment	WW-2020-003	53,147					53,147
In-line Phosphorous Analyzer	WW-2020-004	70,000					70,000
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
MAU-5 Replacement	WW-2021-006		24,345				24,345
UV Disinfection Roof Replacement	WW-2021-007		34,500				34,500
Shop Radiant Heaters	WW-2021-008		20,000				20,000
Operations Building Roof Replacement	WW-2021-009		106,000				106,000
Influent Lift Pumps Replacement	WW-2021-010		1,372,594				1,372,594
BAF Roof Replacement	WW-2022-001			324,500			324,500
MAU-6 Replacement	WW-2022-002			62,172			62,172
Pretreatment Roof Replacement	WW-2022-003			359,900			359,900
BAF Blower Replacements	WW-2022-004			843,975			843,975
MAU-1 Replacement	WW-2023-002				29,938		29,938
MAU-2 Replacement	WW-2024-001					61,611	61,611
<b>Waste Water Fund Total</b>		<b>359,601</b>	<b>5,176,381</b>	<b>1,997,509</b>	<b>262,811</b>	<b>867,643</b>	<b>8,663,945</b>
<b>Water Fund</b>							
2020 Mill and Overlay	E-2020-002	19,286					19,286
2021 Mayflower Hill Reclamation	E-2021-002		10,529				10,529
TH 3 Frontage Road Mill and Overlay	E-2021-004		14,051				14,051
NW Area Mill and Overlay	E-2022-001			127,902			127,902
Southwest Area Reclamation	E-2023-001				9,070		9,070
2023 Mill and Overlay Project	E-2023-002				59,252		59,252
2024 College & Winona Street Reconstruction	E-2024-001					625,832	625,832
2024 Water Street South Reconstruction	E-2024-002					315,456	315,456
Wall Street Road Reconstruction	E-2024-003					647,952	647,952
St. Olaf South Ground Storage Tank Maintenance	W-2020-002	300,000					300,000
Well No. 02 Maintenance	W-2020-003	30,000					30,000
Well No. 06 Generator	W-2020-004	120,000					120,000
St. Olaf North Ground Storage Tank Maintenance	W-2020-005	300,000					300,000
Land Acquisition for Water Tank in NW Area	W-2021-002		250,000				250,000
Well No. 03 Maintenance	W-2023-001				30,000		30,000
Well No. 03 MCC Replacement	W-2023-002				200,000		200,000
Well No. 03 Generator Replacement	W-2023-003				120,000		120,000
Well No. 04 Maintenance	W-2024-001					30,000	30,000
Well No. 04 Generator Replacement	W-2024-002					120,000	120,000
Well No. 04 MCC Replacement	W-2024-003					200,000	200,000
<b>Water Fund Total</b>		<b>769,286</b>	<b>274,580</b>	<b>127,902</b>	<b>418,322</b>	<b>1,939,240</b>	<b>3,529,330</b>
<b>GRAND TOTAL</b>		<b>9,836,075</b>	<b>9,323,359</b>	<b>6,130,172</b>	<b>8,674,683</b>	<b>8,687,995</b>	<b>42,652,284</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** City Facilities

**Contact**

**Type** Facility

**Useful Life**

**Category** Capital Improvement Plan (CI)

<b>Project #</b>	<b>F-2020-001</b>
<b>Project Name</b>	<b>City Hall - Council Chamber Carpet</b>

<b>Description</b>	<b>Total Project Cost: \$15,000</b>
Replacement of Carpet in the City Hall Council Chamber. The Sertoma Club as part of this project will be funding hearing aid wire looping that will be placed below the carpet.	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
City Facilities Fund	15,000					15,000
<b>Total</b>	<b>15,000</b>					<b>15,000</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** City Facilities

**Contact**

**Type** Improvement

**Useful Life** 20 years

**Category** Capital Improvement Plan (CI)

<b>Project #</b>	<b>F-2021-002</b>
<b>Project Name</b>	<b>City Hall Boiler replacement</b>

<b>Description</b>	<b>Total Project Cost: \$150,000</b>
Remove and replace steam boiler with high efficiency condensing boiler	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		150,000				150,000
<b>Total</b>		150,000				150,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
City Facilities Fund		150,000				150,000
<b>Total</b>		150,000				150,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** City Facilities

**Contact**

**Type** Unassigned

**Useful Life**

**Category** Capital Improvement Plan (CI)

<b>Project #</b>	<b>F-2021-003</b>
<b>Project Name</b>	<b>Ice Arena Rubber Roof Replacment</b>

<b>Description</b>	<b>Total Project Cost: \$130,000</b>
This project will fix the leaking roof at the Ice Arena. It will provide a rubber coating over the roof.	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		130,000				130,000
<b>Total</b>		130,000				130,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Bonded Dollars		130,000				130,000
<b>Total</b>		130,000				130,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

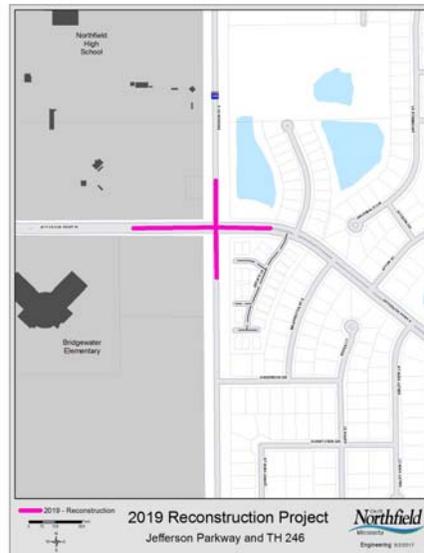
<b>Project #</b>	<b>E-2019-003</b>
<b>Project Name</b>	<b>2019 TH 246 &amp; Jefferson Parkway</b>

<b>Description</b>	<b>Total Project Cost: \$3,325,000</b>
TH 246 and Jefferson Parkway Intersection Improvements, this project will include four pedestrian underpass and installation of a bumpout crosswalk at the Hight School Entrance	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	3,325,000					3,325,000
<b>Total</b>	<b>3,325,000</b>					<b>3,325,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Bonded Dollars	1,441,520					1,441,520
Grant	1,383,480					1,383,480
MSA	500,000					500,000
<b>Total</b>	<b>3,325,000</b>					<b>3,325,000</b>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>E-2020-002</b>
<b>Project Name</b>	<b>2020 Mill and Overlay</b>

<b>Description</b>	<b>Total Project Cost: \$4,204,835</b>
<p>1-1/2" Pavement Mill and Overlay on First Street from Union Street to Maple Street, Second Street from College Street to Oak Street, Third Street from Washington Street to Oak Street, Fourth Street from Nevada Street to Prairie Street, College Street from First Street to Third Street, Winona Street from First Street to Fourth Street, Nevada Street from First Street to Fourth Street, Maple Street from Second Street to Fourth Street, Elm Street from Second Street to Fifth Street, Oak Street from Second Street to Fourth Street, Jefferson Road from Hidden Valley Road to Heritage Drive, Heritage Drive from TH #3 to Hidden Valley Apts, Seventh Street from Water Street to the west dead end, and Eighth Street from Water Street to Linden Street</p>	

<b>Justification</b>
<p>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.</p>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	4,204,835					4,204,835
<b>Total</b>	<b>4,204,835</b>					<b>4,204,835</b>

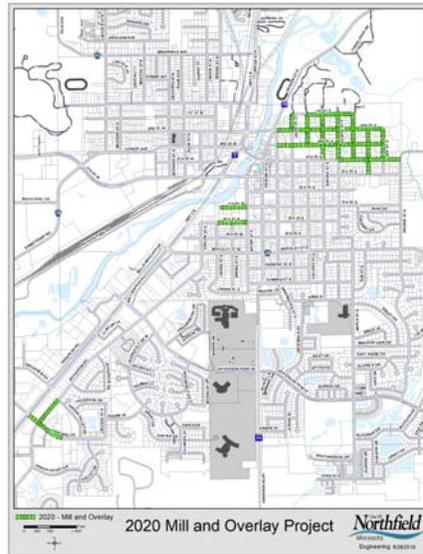
<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Assessments	848,559					848,559
Bonded Dollars	2,995,552					2,995,552
MSA	0					0
Stormwater Fund	304,984					304,984
Waste Water Fund	36,454					36,454
Water Fund	19,286					19,286
<b>Total</b>	<b>4,204,835</b>					<b>4,204,835</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** Engineering Division

**Contact** Public Works Director



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

**Project #** E-2020-003  
**Project Name** 2020 Seal Coat/Crack Fill Project

**Description** **Total Project Cost:** \$57,616

**Justification**

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	57,616					57,616
<b>Total</b>	<b>57,616</b>					<b>57,616</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
MSA	57,616					57,616
<b>Total</b>	<b>57,616</b>					<b>57,616</b>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

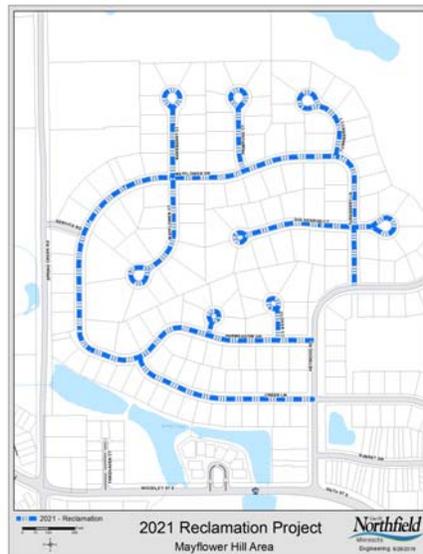
<b>Project #</b>	<b>E-2021-002</b>
<b>Project Name</b>	<b>2021 Mayflower Hill Reclamation</b>

<b>Description</b>	<b>Total Project Cost: \$2,404,953</b>
Mayflower Hill Area Reclamation pavement rehabilitation	

<b>Justification</b>
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.

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

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Assessments		744,030				744,030
Bonded Dollars		1,555,636				1,555,636
Stormwater Fund		48,432				48,432
Waste Water Fund		46,326				46,326
Water Fund		10,529				10,529
<b>Total</b>		<b>2,404,953</b>				<b>2,404,953</b>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

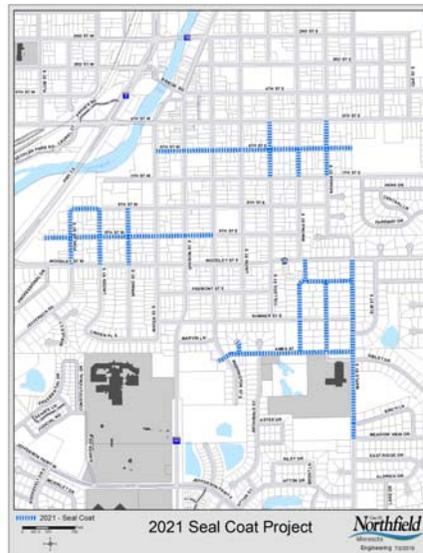
<b>Project #</b>	<b>E-2021-003</b>
<b>Project Name</b>	<b>2021 Seal Coat/Crack Fill Project</b>

<b>Description</b>	<b>Total Project Cost: \$130,043</b>

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		130,043				130,043
<b>Total</b>		130,043				130,043

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
MSA		130,043				130,043
<b>Total</b>		130,043				130,043



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

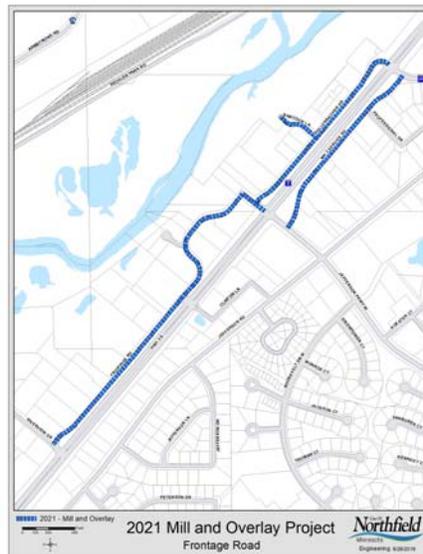
<b>Project #</b>	<b>E-2021-004</b>
<b>Project Name</b>	<b>TH 3 Frontage Road Mill and Overlay</b>

<b>Description</b>	<b>Total Project Cost: \$888,017</b>
TH 3 Frontage Road mill and overlay project	

<b>Justification</b>
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.

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

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



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>E-2022-001</b>
<b>Project Name</b>	<b>NW Area Mill and Overlay</b>

<b>Description</b>	<b>Total Project Cost: \$3,523,818</b>
<p>1-1/2" Pavement Mill and Overlay on First Street from Union Street to Maple Street, Second Street from College Street to Oak Street, Third Street from Washington Street to Oak Street, Fourth Street from Nevada Street to Prairie Street, College Street from First Street to Third Street, Winona Street from First Street to Fourth Street, Nevada Street from First Street to Fourth Street, Maple Street from Second Street to Fourth Street, Elm Street from Second Street to Fifth Street, Oak Street from Second Street to Fourth Street, Jefferson Road from Hidden Valley Road to Heritage Drive, Heritage Drive from TH #3 to Hidden Valley Apts, Seventh Street from Water Street to the west dead end, and Eighth Street from Water Street to Linden Street</p>	

<b>Justification</b>
<p>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.</p>

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

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



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

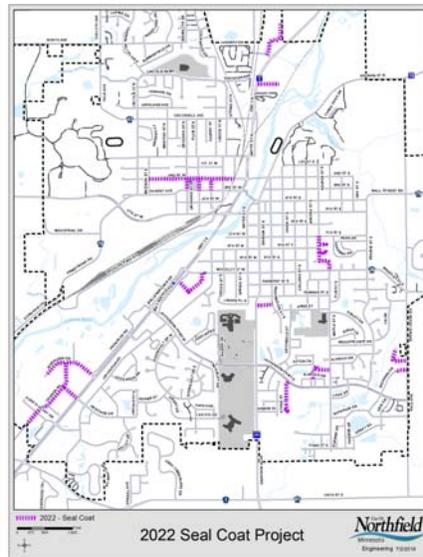
<b>Project #</b>	<b>E-2022-002</b>
<b>Project Name</b>	<b>2022 Seal Coat/Crack Fill Project</b>

<b>Description</b>	<b>Total Project Cost: \$106,197</b>

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance			106,197			106,197
<b>Total</b>			<b>106,197</b>			<b>106,197</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
MSA			106,197			106,197
<b>Total</b>			<b>106,197</b>			<b>106,197</b>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>E-2023-001</b>
<b>Project Name</b>	<b>Southwest Area Reclamation</b>

<b>Description</b>	<b>Total Project Cost: \$1,788,302</b>
Heritage Drive, Hidden Valley Road, Peterson Drive, Lincoln Street, Adams Street, Taylor Court, Thomas Court, Tyler Court, Adams Court	

<b>Justification</b>
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.

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

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



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

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

**Description** **Total Project Cost: \$4,506,443**  
 Pavement Mill and Overlay and ADA upgrades on Jefferson Parkway, Prairie Street, Park Drive, Central Lane, Fareway Drive, Grant Drive, Grant Drive, Grant Court, Hayes Drive, Ford Street, Johson Street, Carter Drive, Harrison Court, Johnson Court, Anderson Drive, Aspen Court, Aspen Street, Arbor Street, and Sunny View Drive.

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

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

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



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

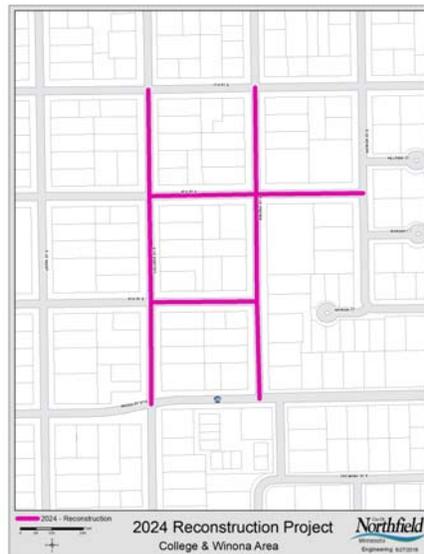
<b>Project #</b>	<b>E-2024-001</b>
<b>Project Name</b>	<b>2024 College &amp; Winona Street Reconstruction</b>

<b>Description</b>	<b>Total Project Cost: \$3,019,822</b>
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.	

<b>Justification</b>
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.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance					3,019,822	3,019,822
<b>Total</b>					<b>3,019,822</b>	<b>3,019,822</b>

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



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>E-2024-002</b>
<b>Project Name</b>	<b>2024 Water Street South Reconstruction</b>

<b>Description</b>	<b>Total Project Cost: \$1,522,217</b>
Water Street South Reconstruction - complete street reconstruction due to aging infrastructure.	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance					1,522,217	1,522,217
<b>Total</b>					<u>1,522,217</u>	<u>1,522,217</u>

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



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>E-2024-003</b>
<b>Project Name</b>	<b>Wall Street Road Reconstruction</b>

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

<b>Justification</b>
Complete reconstruction of Wall Street Road from Fourth Street to Rosewood Road.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance					3,126,693	3,126,693
<b>Total</b>					<b>3,126,693</b>	<b>3,126,693</b>

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



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>NCRC 2020-01</b>
<b>Project Name</b>	<b>Parking Lot Crack Seal and Seal Coat</b>

<b>Description</b>	<b>Total Project Cost: \$30,000</b>
Parking lot crack fill and seal coat. The City will provide the upfront capital and will be paid back over 10-years through rents.	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
NRCR Fund	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	NCRC 2021-01
<b>Project Name</b>	New Pool Heaters

<b>Description</b>	<b>Total Project Cost: \$10,000</b>
Replacement of Pool Heater at Fifty North	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equip/Vehicles/Furnishings		10,000				10,000
<b>Total</b>		10,000				10,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
NRCR Fund		10,000				10,000
<b>Total</b>		10,000				10,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** NCRC

**Contact**

**Type** Unassigned

**Useful Life**

**Category** Unassigned

<b>Project #</b>	<b>NCRC 2024-01</b>
<b>Project Name</b>	<b>Exterior Painting</b>

<b>Description</b>	<b>Total Project Cost: \$10,000</b>
Exterior Building Painting	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance					10,000	10,000
<b>Total</b>					10,000	10,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
NRCR Fund					10,000	10,000
<b>Total</b>					10,000	10,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>P-2019-002</b>
<b>Project Name</b>	<b>River Corridor Concept Plan</b>

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

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Planning/Design	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Park Fund	40,000					40,000
<b>Total</b>	<b>40,000</b>					<b>40,000</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>P-2019-004</b>
<b>Project Name</b>	<b>Riverside Park River Access and Turnaround</b>

<b>Description</b>	<b>Total Project Cost: \$50,000</b>
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.	

<b>Justification</b>
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.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Park Fund	50,000					50,000
<b>Total</b>	<b>50,000</b>					<b>50,000</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** Park Division

**Contact**

**Type** Land

**Useful Life**

**Category** Capital Improvement Plan (CI)

<b>Project #</b>	<b>P-2020-002</b>
<b>Project Name</b>	<b>Northeastern Area Neighborhood Park</b>

<b>Description</b>	<b>Total Project Cost: \$350,000</b>
Site Acquisition and constuction of a new neighborhood park in the Northeastern part of Northfield	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Land Acquisition	350,000					350,000
<b>Total</b>	<b>350,000</b>					<b>350,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Bonded Dollars	350,000					350,000
<b>Total</b>	<b>350,000</b>					<b>350,000</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** Park Division

**Contact**

**Type** Equipment

**Useful Life**

**Category** Capital Improvement Plan (CI)

<b>Project #</b>	<b>P-2022-001</b>
<b>Project Name</b>	<b>Riverside Park Playground Replacement</b>

<b>Description</b>	<b>Total Project Cost: \$120,000</b>
Riverside park has the oldest playgournd equipment in the City. The equipment was installed in 1996.	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance			120,000			120,000
<b>Total</b>			120,000			120,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Grant			60,000			60,000
Park Fund			60,000			60,000
<b>Total</b>			120,000			120,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** Stormwater Division

**Contact**

**Type** Maintenance

**Useful Life**

**Category** Capital Improvement Plan (CI)

<b>Project #</b>	SW- 2024-001
<b>Project Name</b>	Hills #3, Cannon & Locust Pond Dredging

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

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance					597,652	597,652
<b>Total</b>					597,652	597,652

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Stormwater Fund					597,652	597,652
<b>Total</b>					597,652	597,652



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** Stormwater Division

**Contact**

**Type** Maintenance

**Useful Life**

**Category** Capital Improvement Plan (CI)

<b>Project #</b>	<b>SW-2020-001</b>
<b>Project Name</b>	<b>Golf Course, Parmeadow Park #1 &amp; #3 Pond Dredging</b>

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

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	690,477					690,477
<b>Total</b>	<b>690,477</b>					<b>690,477</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Stormwater Fund	690,477					690,477
<b>Total</b>	<b>690,477</b>					<b>690,477</b>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** Stormwater Division

**Contact**

**Type** Unassigned

**Useful Life**

**Category** Capital Improvement Plan (CI)

<b>Project #</b>	<b>SW-2021-001</b>
<b>Project Name</b>	<b>West Riverwall Floodwall Extension</b>

<b>Description</b>	<b>Total Project Cost: \$2,000,000</b>

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance				2,000,000		2,000,000
<b>Total</b>				2,000,000		2,000,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Stormwater Fund				2,000,000		2,000,000
<b>Total</b>				2,000,000		2,000,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**Department** Stormwater Division

**Contact**

**Type** Maintenance

**Useful Life**

**Category** Capital Improvement Plan (CI)

<b>Project #</b>	<b>SW-2022-001</b>
<b>Project Name</b>	<b>Prairie Hills #1 and Hidden Valley Pond Dredging</b>

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

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance			789,610			789,610
<b>Total</b>			<b>789,610</b>			<b>789,610</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Stormwater Fund			789,610			789,610
<b>Total</b>			<b>789,610</b>			<b>789,610</b>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>ST-2021-003</b>
<b>Project Name</b>	<b>SALT STORAGE BUILDING</b>

<b>Description</b>	<b>Total Project Cost: \$275,000</b>
Build a 65' X 80' Salt Storage Building.	

<b>Justification</b>
Salt storage building now does not have the capacity. Unable to mix salt with beet juice and dump trucks under a covered structure.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		275,000				275,000
<b>Total</b>		275,000				275,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
City Facilities Fund		275,000				275,000
<b>Total</b>		275,000				275,000



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2020-002</b>
<b>Project Name</b>	<b>Babcock Generator</b>

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

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	200,000					200,000
<b>Total</b>	<b>200,000</b>					<b>200,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund	200,000					200,000
<b>Total</b>	<b>200,000</b>					<b>200,000</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2020-003</b>
<b>Project Name</b>	<b>MAU-2 Pretreatment Replacment</b>

<b>Description</b>	<b>Total Project Cost: \$53,147</b>
Replace a Make-up-air unit on the pretreatment building based on the 2016 Facility Study.	

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	53,147					53,147
<b>Total</b>	<b>53,147</b>					<b>53,147</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund	53,147					53,147
<b>Total</b>	<b>53,147</b>					<b>53,147</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2020-004</b>
<b>Project Name</b>	<b>In-line Phosphorous Analyzer</b>

<b>Description</b>	<b>Total Project Cost: \$70,000</b>
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.	

<b>Justification</b>
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.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	70,000					70,000
<b>Total</b>	<b>70,000</b>					<b>70,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund	70,000					70,000
<b>Total</b>	<b>70,000</b>					<b>70,000</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2021-002</b>
<b>Project Name</b>	<b>Biosolids Liquid Storage</b>

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

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		1,193,844				1,193,844
<b>Total</b>		<u>1,193,844</u>				<u>1,193,844</u>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund		1,193,844				1,193,844
<b>Total</b>		<u>1,193,844</u>				<u>1,193,844</u>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2021-003</b>
<b>Project Name</b>	<b>BioSolids Cake Storage</b>

<b>Description</b>	<b>Total Project Cost: \$711,563</b>
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.	

<b>Justification</b>
The biosolids cake storage upgrade was identified in the 2015 WWTP Facility Study.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		711,563				711,563
<b>Total</b>		711,563				711,563

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund		711,563				711,563
<b>Total</b>		711,563				711,563

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2021-004</b>
<b>Project Name</b>	<b>SCADA Upgrade</b>

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

<b>Justification</b>
SCADA upgrade was identified in the 2015 WWTP Facility Study.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		1,622,500				1,622,500
<b>Total</b>		<u>1,622,500</u>				<u>1,622,500</u>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund		1,622,500				1,622,500
<b>Total</b>		<u>1,622,500</u>				<u>1,622,500</u>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2021-006</b>
<b>Project Name</b>	<b>MAU-5 Replacement</b>

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

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		24,345				24,345
<b>Total</b>		24,345				24,345

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund		24,345				24,345
<b>Total</b>		24,345				24,345

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2021-007</b>
<b>Project Name</b>	<b>UV Disinfection Roof Replacement</b>

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

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		34,500				34,500
<b>Total</b>		34,500				34,500

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund		34,500				34,500
<b>Total</b>		34,500				34,500

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2021-008</b>
<b>Project Name</b>	<b>Shop Radiant Heaters</b>

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

<b>Justification</b>
Replace the existing shop radiant heaters that are aging.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		20,000				20,000
<b>Total</b>		20,000				20,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund		20,000				20,000
<b>Total</b>		20,000				20,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2021-009</b>
<b>Project Name</b>	<b>Operations Building Roof Replacement</b>

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

<b>Justification</b>

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		106,000				106,000
<b>Total</b>		106,000				106,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund		106,000				106,000
<b>Total</b>		106,000				106,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2021-010</b>
<b>Project Name</b>	<b>Influent Lift Pumps Replacement</b>

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

<b>Justification</b>
Identified in 2015 Facility Study.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance		1,372,594				1,372,594
<b>Total</b>		<u>1,372,594</u>				<u>1,372,594</u>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund		1,372,594				1,372,594
<b>Total</b>		<u>1,372,594</u>				<u>1,372,594</u>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2022-001</b>
<b>Project Name</b>	<b>BAF Roof Replacement</b>

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

<b>Justification</b>
The BAF roof replacement upgrade was identified in the 2015 WWTP Facility Study.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance			324,500			324,500
<b>Total</b>			324,500			324,500

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund			324,500			324,500
<b>Total</b>			324,500			324,500

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2022-002</b>
<b>Project Name</b>	<b>MAU-6 Replacement</b>

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

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance			62,172			62,172
<b>Total</b>			62,172			62,172

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund			62,172			62,172
<b>Total</b>			62,172			62,172

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2022-003</b>
<b>Project Name</b>	<b>Pretreatment Roof Replacement</b>

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

<b>Justification</b>
The BAF roof replacement upgrade was identified in the 2015 WWTP Facility Study.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance			359,900			359,900
<b>Total</b>			359,900			359,900

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund			359,900			359,900
<b>Total</b>			359,900			359,900

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2022-004</b>
<b>Project Name</b>	<b>BAF Blower Replacements</b>

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

<b>Justification</b>
This was identified in the 2015 Facility Study.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equip/Vehicles/Furnishings			843,975			843,975
<b>Total</b>			<u>843,975</u>			<u>843,975</u>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund			843,975			843,975
<b>Total</b>			<u>843,975</u>			<u>843,975</u>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2023-002</b>
<b>Project Name</b>	<b>MAU-1 Replacement</b>

<b>Description</b>	<b>Total Project Cost: \$29,938</b>
MAU-1 replacement.	

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance				29,938		29,938
<b>Total</b>				29,938		29,938

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund				29,938		29,938
<b>Total</b>				29,938		29,938

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>WW-2024-001</b>
<b>Project Name</b>	<b>MAU-2 Replacement</b>

<b>Description</b>	<b>Total Project Cost: \$61,611</b>
MAU-2 replacement.	

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance					61,611	61,611
<b>Total</b>					61,611	61,611

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Waste Water Fund					61,611	61,611
<b>Total</b>					61,611	61,611

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**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.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	300,000					300,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund	300,000					300,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

**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.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund	30,000					30,000
<b>Total</b>	<b>30,000</b>					<b>30,000</b>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>W-2020-004</b>
<b>Project Name</b>	<b>Well No. 06 Generator</b>

<b>Description</b>	<b>Total Project Cost: \$120,000</b>
Well No. 6 Generator to provide back-up power to the facility during a power outage.	

<b>Justification</b>
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.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	120,000					120,000
<b>Total</b>	<b>120,000</b>					<b>120,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund	120,000					120,000
<b>Total</b>	<b>120,000</b>					<b>120,000</b>

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>W-2020-005</b>
<b>Project Name</b>	<b>St. Olaf North Ground Storage Tank Maintenance</b>

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

<b>Justification</b>
An overcoat of paint will help extend the useful life of the paint.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance	300,000					300,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund	300,000					300,000
<b>Total</b>	<b>300,000</b>					<b>300,000</b>



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>W-2021-002</b>
<b>Project Name</b>	<b>Land Acquisition for Water Tank in NW Area</b>

<b>Description</b>	<b>Total Project Cost: \$250,000</b>
Acquire land in northwest annexation area for future water tank. The tower site would need to be roughly 5 acres in size.	

<b>Justification</b>
Service enterprise park in the in NW annexation area.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Land Acquisition		250,000				250,000
<b>Total</b>		250,000				250,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund		250,000				250,000
<b>Total</b>		250,000				250,000



**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>W-2023-001</b>
<b>Project Name</b>	<b>Well No. 03 Maintenance</b>

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

<b>Justification</b>
Standard well maintenance, completed every 8 years.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance				30,000		30,000
<b>Total</b>				30,000		30,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund				30,000		30,000
<b>Total</b>				30,000		30,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>W-2023-002</b>
<b>Project Name</b>	<b>Well No. 03 MCC Replacement</b>

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

<b>Justification</b>
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.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance				200,000		200,000
<b>Total</b>				200,000		200,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund				200,000		200,000
<b>Total</b>				200,000		200,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>W-2023-003</b>
<b>Project Name</b>	<b>Well No. 03 Generator Replacement</b>

<b>Description</b>	<b>Total Project Cost: \$120,000</b>
Replace the existing generator.	

<b>Justification</b>
This is the end of the generators useful life.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equip/Vehicles/Furnishings				120,000		120,000
<b>Total</b>				120,000		120,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund				120,000		120,000
<b>Total</b>				120,000		120,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>W-2024-001</b>
<b>Project Name</b>	<b>Well No. 04 Maintenance</b>

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

<b>Justification</b>
Standard well maintenance, completed every 8 years.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance					30,000	30,000
<b>Total</b>					30,000	30,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund					30,000	30,000
<b>Total</b>					30,000	30,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>W-2024-002</b>
<b>Project Name</b>	<b>Well No. 04 Generator Replacement</b>

<b>Description</b>	<b>Total Project Cost: \$120,000</b>
Replace the existing generator.	

<b>Justification</b>
This is the end of the generators useful life.

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Equip/Vehicles/Furnishings					120,000	120,000
<b>Total</b>					120,000	120,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund					120,000	120,000
<b>Total</b>					120,000	120,000

**Capital Improvement Plan**  
**City of Northfield, Minnesota**

2020 *thru* 2024

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

<b>Project #</b>	<b>W-2024-003</b>
<b>Project Name</b>	<b>Well No. 04 MCC Replacement</b>

<b>Description</b>	<b>Total Project Cost: \$200,000</b>
Replacement of well no. 4 motor control center (MCC) and SCADA components.	

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

<b>Expenditures</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Construction/Maintenance					200,000	200,000
<b>Total</b>					200,000	200,000

<b>Funding Sources</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>Total</b>
Water Fund					200,000	200,000
<b>Total</b>					200,000	200,000