

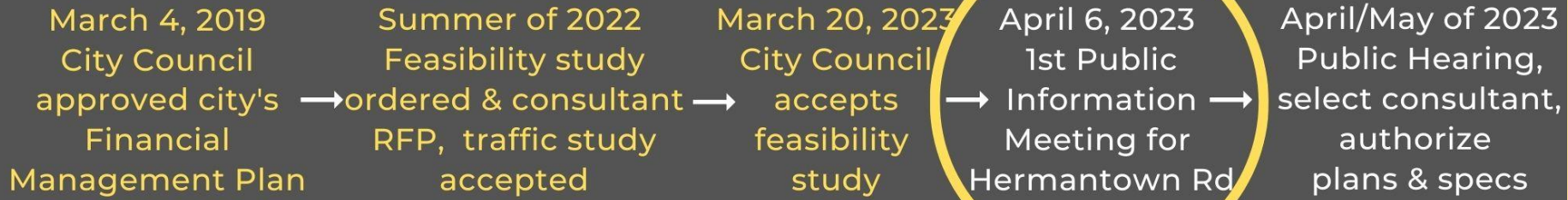


Hermantown Road & Old Midway Road

April 6, 2023

Public Information meeting

2024



ROAD IMPROVEMENT



Hermantown Road - From Ugstad Rd to Hwy 2
Old Midway Road - From Midway to Midway



Road Improvement Plan

A Brief History

- **City-wide inventory of roads in 2015**
- **Long-term financial plan for the City**
 - **Financial Management Plan (FMP) approved by City Council in March of 2019**
- **Multiple Community Engagement Surveys have shown roads as the #1 issue to residents**
 - **2018 = 42% note roads as good/excellent**
 - **2019 = 43% note roads as good/excellent**
 - **2020 = 47% note roads as good/excellent**
 - **2021 = 45% note roads as good/excellent**

Road Improvement Plan

Road Improvement Plan – Inventory

- **All roads in Hermantown were inventoried and ranked in 2015**
- **Roads were ranked numerically 1, 2, 3, 4, or 5**
 - **1 is a well-functioning road (traditionally newer)**
 - **5 is failing road (traditionally older)**
- **Roads ranked 1 or 2 were looked at as a preservation project, which extends the life of the road**
- **Roads ranked 3 are beyond preservation, but will receive appropriate attention**
- **Roads ranked 4 or 5 trigger a reclaim and overlay or full reconstruction**

HERMANTOWN ROADS

164 Road Sections were inventoried

- **45 Gravel Segments**
- **73 Rural Bituminous Segments**
- **20 Urban Bituminous Segments**
- **26 Municipal State Aid Segments**

**Rural roads have ditches
Urban roads have curb and gutter
Bituminous is paved with blacktop**

Road Improvement Plan

Improvement Strategies for Roads Ranked 3-5



Mill & Overlay
\$250,000 per mile



Reclaim & Overlay
\$500,000 per mile



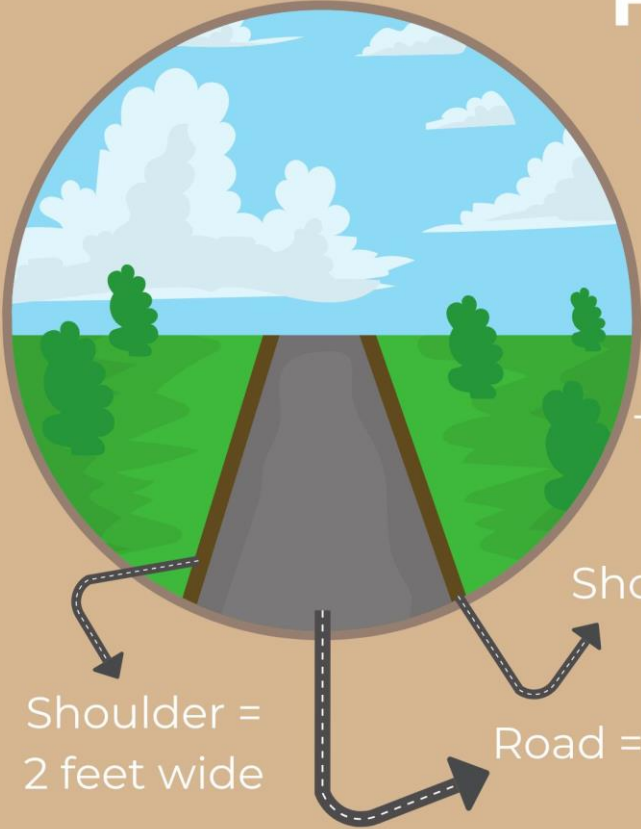
Full Reconstruction
\$1,500,000 per mile

- **Fundamental changes to the road**
- **Assessment to the property owner**

Road Improvement Plan

Road Standards

Hermantown Rural Road Standards



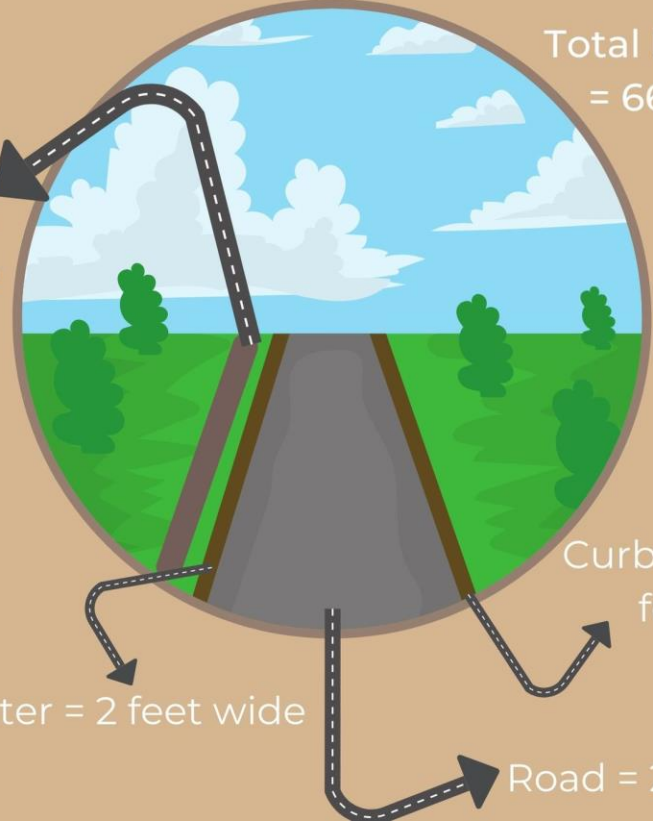
Total Right of Way = 66 feet wide

Shoulder = 2 feet wide

Shoulder = 2 feet wide

Road = 24 feet wide

Hermantown Urban Road Standards



Total Right of Way = 66 feet wide

Sidewalk = 5 feet wide

Curb & Gutter = 2 feet wide

Curb & Gutter = 2 feet wide

Road = 24 feet wide

Road Improvement Plan

Financial Management Plan

- **A multi-year fiscal plan for all tax-supported funds**
- **The plan integrates:**
 - Existing Debt
 - Future Debt
 - Capital Improvement Plans
 - Tax base growth
 - Future operating expenses
 - Actual financial results
 - Current and proposed budget
 - Current financial policies

- **Helps to manage expectations**
 - New spending proposals evaluated against other identified priorities
 - Weigh proposals vs. predefined affordability parameters
- **Helps to maintain assets and appropriate fund balances in accounts**
 - Regular replacements, large periodic repairs, unexpected costs
- **Adds clarity and reduces reactivity during budget process**
 - Previously agreed spending guidelines
 - Better understanding of the effects of decisions

Public Information Meeting

Payment Options

Potential Funding Source	Availability for Roads
Road Assessments	Yes
General Tax Levy	Yes
Municipal State Aid (MSA) Allocation	Available for Municipal State Aid roads only
Local Government Aid (LGA)	Hermantown does not receive Local Government Aid at this time
Sales Tax	Trunk Sewer, Water Upgrades, City Hall and Wellness Center
Water Utility Fund	Water System Upgrades and maintenance
Stormwater Utility Fund	Ditching, Culverts, Storm Sewer, Sweeping and Curb/Gutter
Sanitary Sewer Fund	Sanitary Upgrades and maintenance
Streetlight Utility Fund	Street Lights and Signal System

Road Improvement Plan

Road Improvement Plan Assessment Payment Information

Assessment Total: \$9,750

Payments Per Year: 1

Total Years: 15

Annual Interest Rate: 5.5%

Annual Payment: \$971.35

Previous Iterations of the Road Improvement Plan

March 4, 2019
City Council approved city's Financial Management Plan →

Dec 21, 2020
City Council orders feasibility study & consultant RFP, accepts traffic study →

Jan. 4, 2021
City Council accepts feasibility study →

Jan. 20, 2021
1st Public Information Meeting for 2021 Roads →

Feb. 1, 2021
Public Hearing, select consultant, authorize plans & specs

ROAD IMPROVEMENT

June of 2021
2nd Public Information Meeting for Ugstad Road at 30% plans →

September of 2021
3rd Public Information Meeting for Ugstad Road at 60% plans →

January of 2022
City Council approves plans and specs for bidding purposes →

February of 2022
Project bids reviewed →

March of 2022
City Council awards construction contract

Spring of 2022
Weather-dependent estimated road construction start date →

Autumn of 2022
Weather-dependent estimated road construction completion date →

October of 2022
Public Hearing on individual property owner assessments →

November of 2022
City Council approves the final assessments for 2022 tax purposes

2020

Johnson, Portland, Carlson, Alexander & Hermantown Road (between Okerstrom & Stebner)

2021

Lavaque Junction, Sundby & Swan Lake Road

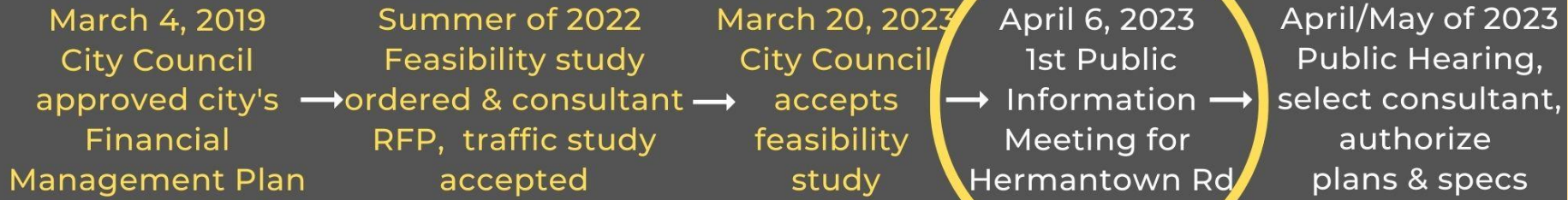
2022/2023

Ugstad Road (53 to Maple Grove) & Arrowhead Road intersection project delayed due to the state approval process

2024

Hermantown Road (between Hwy 2 and Ugstad Road)

2024



ROAD IMPROVEMENT



Hermantown Road - From Ugstad Rd to Hwy 2
Old Midway Road - From Midway to Midway



Road Improvement Plan 2024 - Hermantown Road & Old Midway Road

Road Improvement Plan – Hermantown Road



Map of Construction Area



Hermantown Road and Old Midway Road Engineer's Estimate

Date: 2/13/2023

Item No.	Spec. No.	Item Description	Unit of Measure	Total Estimated Quantities	NCE Estimated Unit Price	NCE Estimated Total Cost
1	2021.501	MOBILIZATION	LS	1	\$ 100,000.00	\$ 100,000.00
2	2101.505	CLEARING	ACRE	8	\$ 5,000.00	\$ 40,000.00
3	2101.505	GRUBBING	ACRE	8	\$ 5,000.00	\$ 40,000.00
4	2104.502	REMOVE SIGN	EACH	103	\$ 10.00	\$ 1,030.00
5	2104.502	REMOVE MAIL BOX SUPPORT	EACH	91	\$ 10.00	\$ 910.00
6	2104.502	REMOVE METAL CULVERT	EACH	97	\$ 150.00	\$ 14,550.00
7	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	528	\$ 6.00	\$ 3,168.00
8	2105.504	GEOTEXTILE FABRIC TYPE V	S Y	20,020	\$ 3.00	\$ 60,060.00
9	2105.607	SELECT GRANULAR BORROW MOD 7% (CV)	C Y	5,915	\$ 35.00	\$ 207,025.00
10	2106.507	EXCAVATION - COMMON	C Y	11,720	\$ 30.00	\$ 351,600.00
11	2211.507	AGGREGATE BASE (CV) CLASS 5	C Y	6,485	\$ 50.00	\$ 324,250.00
12	2211.507	AGGREGATE BASE (CV) CLASS 5 (DRIVEWAY)	C Y	1,025	\$ 50.00	\$ 51,250.00
13	2215.504	FULL DEPTH RECLAMATION	S Y	54,940	\$ 1.50	\$ 82,410.00
14	2221.507	SHOULDER BASE AGGREGATE (CV) CLASS 5	C Y	1,730	\$ 50.00	\$ 86,500.00
15	2301.504	CONCRETE PAVEMENT 6"	S Y	70	\$ 100.00	\$ 7,000.00
16	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3:B)	TON	6,105	\$ 100.00	\$ 610,500.00
17	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3:B) (DRIVEWAY)	TON	80	\$ 100.00	\$ 8,000.00
18	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3:B)	TON	6,105	\$ 100.00	\$ 610,500.00
19	2501.502	36" RC PIPE APRON	EACH	12	\$ 1,500.00	\$ 18,000.00
20	2501.503	12" CAS PIPE CULVERT	LF	2,184	\$ 40.00	\$ 87,360.00
21	2501.503	36" RC PIPE CULVERT	LF	216	\$ 150.00	\$ 32,400.00
22	2540.602	MAIL BOX SUPPORT	EACH	91	\$ 250.00	\$ 22,750.00
23	2563.601	TRAFFIC CONTROL	LS	1	\$ 15,000.00	\$ 15,000.00
24	2564.502	INSTALL SIGN TYPE C	EACH	103	\$ 300.00	\$ 30,900.00
25	2564.618	SIGN TYPE C	S F	139	\$ 15.00	\$ 2,085.00
26	2573.501	STABILIZED CONSTRUCTION EXIT	LS	1	\$ 2,000.00	\$ 2,000.00
27	2573.502	CULVERT END CONTROLS	EACH	91	\$ 250.00	\$ 22,750.00
28	2573.503	SILT FENCE, TYPE HI	LF	20,800	\$ 5.00	\$ 103,000.00
29	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LF	3,000	\$ 5.00	\$ 15,000.00
30	2574.508	FERTILIZER TYPE 1	LB	2,400	\$ 5.00	\$ 12,000.00
31	2575.504	ROLLED EROSION PREVENTION CATEGORY 20	S Y	52,800	\$ 4.00	\$ 210,400.00
32	2575.504	SODDING TYPE LAWN	S Y	25,800	\$ 6.00	\$ 154,800.00
33	2575.508	SEED MIXTURE 25-131	LB	2,400	\$ 6.00	\$ 14,400.00
34	2575.508	HYDRAULIC BONDED FIBER MATRIX	LB	9,330	\$ 6.00	\$ 55,980.00
35	2575.523	RAPID STABILIZATION METHOD 3	MGAL	14	\$ 5,000.00	\$ 88,000.00
36	2582.503	4" DOUBLE SOLID LINE PAINT	LF	20,600	\$ 2.00	\$ 41,200.00

NCE'S Estimated Construction Costs Subtotal	\$ 3,406,778.00
Construction Contingency (10%)	\$ 340,677.80
Design Engineering (8%)	\$ 272,542.24
Construction Engineering (8%)	\$ 272,542.24
Material Testing	\$ 40,000.00
Geotechnical Evaluation	\$ 30,000.00
Wetland Permitting	\$ 10,000.00
Easement Acquisition	\$ 10,000.00
Legal Proceedings	\$ 5,000.00
Estimated Total Project Costs	\$ 4,387,540.28

Road Improvement Plan Hermantown Road & Old Midway Road

Estimated Costs

20,000 | \$ 2.00 | \$ 41,200.00

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Road Improvement Plan Hermantown Road & Old Midway Road

Expected Funding

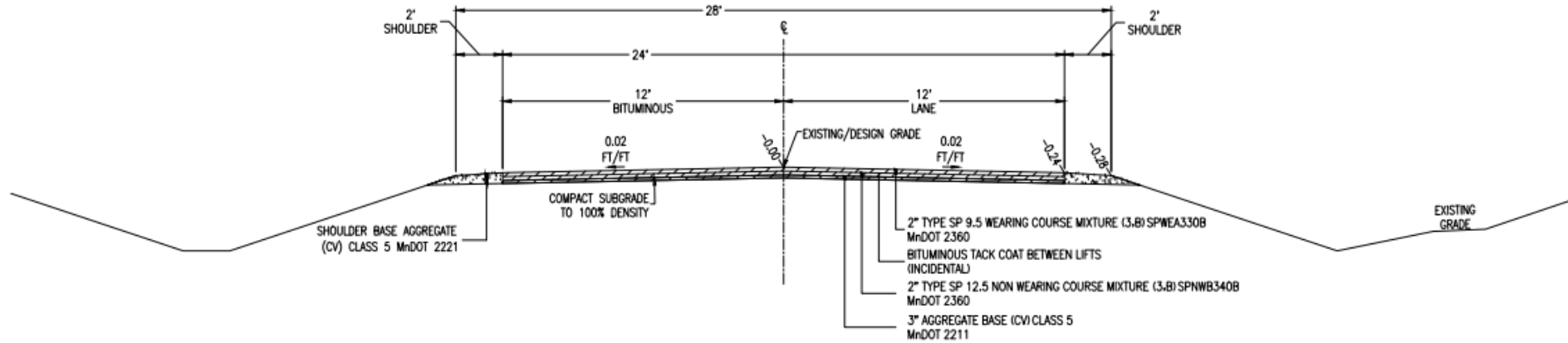
Estimated Construction Costs:

Street Improvement District #541 – Hermantown Rd and Old Midway Rd	\$3,406,778.00
Estimated Total Construction Costs	\$3,406,778.00
Contingency (10%)	\$340,677.80
Design Engineering (8%)	\$272,542.24
Construction Engineering (8%)	\$272,542.24
Material Testing	\$40,000.00
Geotechnical Evaluation	\$30,000.00
Wetland Permitting	\$10,000.00
Easement Acquisition	\$10,000.00
Legal Proceedings	\$5,000.00
Estimated Total Project Costs	\$4,387,540.28

Projected Project Funding for Construction & Soft Costs

Stormwater Utility Fund	\$200,000.00
Assessments (111 x \$9,750)	\$1,082,250.00
General Levy	\$3,105,290.28
Estimated Total Project Costs	\$4,387,540.28

Road Improvement Plan – Hermantown Road

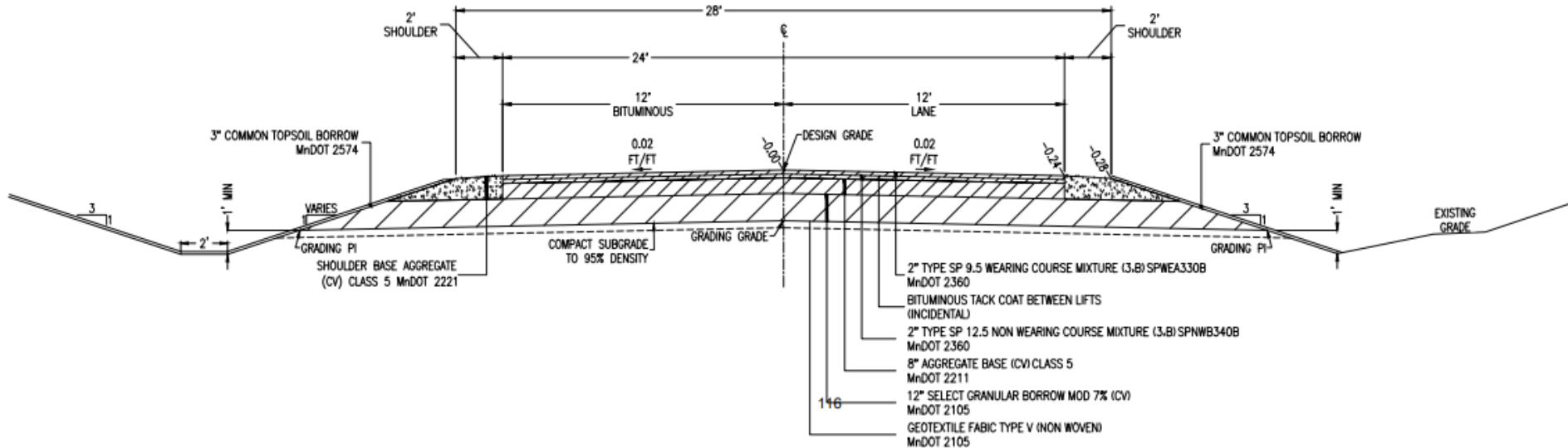


THIS SIDE SHOWN
IN CUT

TYPICAL ROADWAY SECTION
FULL RECONSTRUCTION
HERMANTOWN ROAD & OLD MIDWAY ROAD

THIS SIDE SHOWN
IN FILL

Cross Section
of Road



Summary and Questions

- Meet and explain the project goals and history of the Road Improvement Plan
- Outline the communications and construction process for these projects
- Create an understanding of project impacts and timelines

Questions,
comments,
suggestions?