

Highway 61: West Side of Town

2 pages

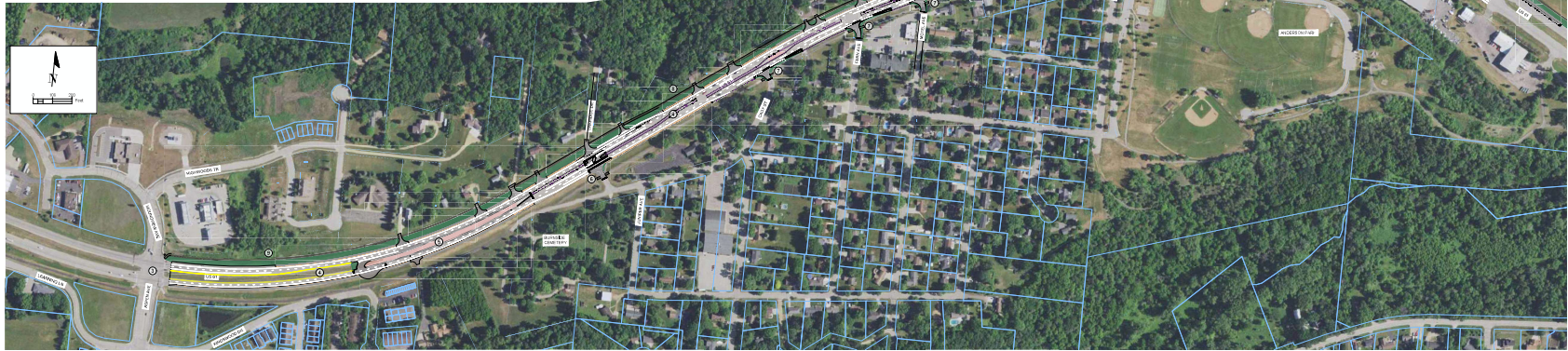
HIGHWAY 61 WEST
 POTENTIAL SHORT-TERM
 SAFETY IMPROVEMENTS
 DRAFT 12/18/2024



AREA 1: RURAL EXPRESSWAY



AREA 2: LOWER BURNSIDE RESIDENTIAL



LEGEND

	PROPOSED ROADWAY AND PARKING LOTS
	PROPOSED CONCRETE CURB & GUTTER
	PROPOSED SIDEWALK
	PROPOSED SHOULDER PATH
	PROPOSED CONCRETE DRIVEWAY APRONS
	PROPOSED CONCRETE MEDIAN
	ENHANCED MEDIAN LANDSCAPING
	PROPOSED GREEN SPACE

- POTENTIAL SAFETY IMPROVEMENTS:
- ① PERFORM EDGE STUDY AT TH 19 - CONSIDER A TURN, SIGNAL, OR ROUNDABOUT (AFTER PROGRESS)
 - ② REALIGN ACCESS, REMOVE DIRECT CONNECTION TO 61
 - ③ PERFORM EDGE STUDY AT ASPEN AVE - CONSIDER ROUNDABOUT
 - ④ REDUCE LANE WIDTHS TO 11' AND CONVERT EXISTING PAVED SHOULDERS TO SOFT SHOULDERS
 - ⑤ ADD GATEWAY TREATMENT - ENHANCED LANDSCAPING, LIGHT FIXTURES
 - ⑥ CONVERT INTERSECTIONS TO 3M ACCESS
 - ⑦ TIGHTEN INTERSECTION CURB RADIUS
 - ⑧ REMOVE FREE RIGHT AT CANNON RIVER AVERAGED WIND SHIELD PLANT
 - ⑨ ADD TRAIL ON NORTH SIDE OF US 61
- DISCLAIMER: THIS DRAFT DOCUMENT DOES NOT REPRESENT CURRENTLY PLANNED AND/OR FUNDED PROJECTS, AND TO BE USED FOR CONSTRUCTION.

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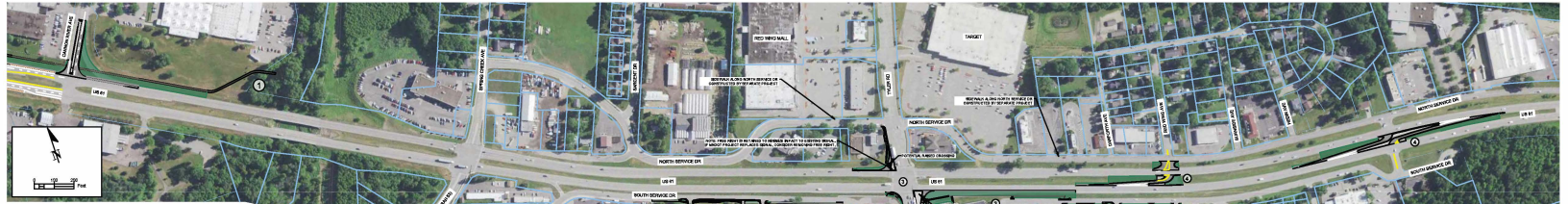
LEGEND	
	PROPOSED ROADWAY AND PARKING LOTS
	PROPOSED CONCRETE CURB & GUTTER
	PROPOSED SIDEWALK
	PROPOSED SHARED-USE PATH
	PROPOSED CONCRETE DRIVEWAY APRONS
	PROPOSED CONCRETE MEDIAN
	PROPOSED GREEN SPACE
	POTENTIAL ACCESS CLOSURE

POTENTIAL SAFETY IMPROVEMENTS:

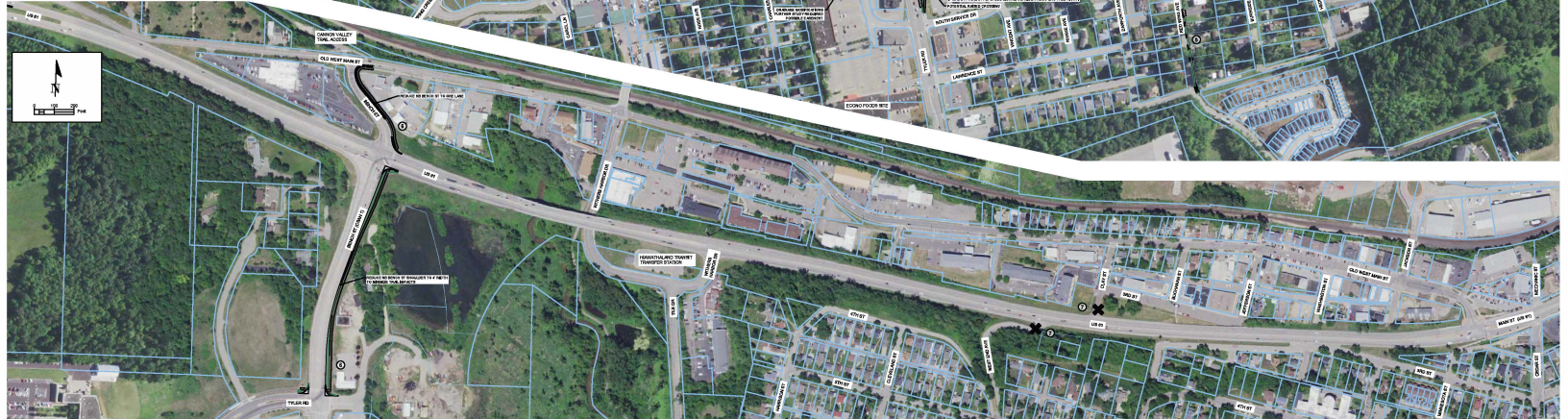
- ① ADD NEW TRAIL CONNECTION TO GANNON VALLEY TRAIL
- ② FILL SIDEWALK GAPS ALONG NORTH AND SOUTH SERVICE ROADS
- ③ MODIFY FREE RIGHTS AT TYLER ST TO SLOW TURNING SPEEDS
- ④ CONVERT EXISTING SERVICE ROAD ACCESS TO SA ACCESS, CONSIDER ENHANCED PEDESTRIAN CROSSING
- ⑤ ADD SIDEWALK CONNECTION UP RED WING AVE
- ⑥ ADD SIDEWALK CONNECTION UP RED WING ST
- ⑦ CONSIDER ACCESS CLOSURE

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AREA 3: UPPER BURNSIDE COMMERCIAL



AREA 4: WEST END BLUFFSIDE



Opinion of Probable Cost - Concept Cost Estimate

Highway 61: West Side of Town

For City of Red Wing



Item	Unit	Unit Price	(4-8) Access and Speed Management		(9) North Side Trail		Total Cost
			Quantity	Cost	Quantity	Cost	
MAJOR ROADWAY ITEMS							
COMMON EXCAVATION	CY	\$25.00	4700	\$117,500	7900	\$197,500	\$ 315,000
COMMON EMBANKMENT (CV)	CY	\$25.00	700	\$17,500	7900	\$197,500	\$ 215,000
AGGREGATE SURFACING (CV) CLASS 2	CY	\$100.00	720	\$72,000			\$ 72,000
AGGREGATE BASE (CV) CLASS 5	CY	\$80.00	4250	\$340,000	1050	\$84,000	\$ 424,000
TYPE SP 12.5 NON WEARING COURSE MIX (3;C)	TONS	\$101.95	3272	\$333,700			\$ 333,700
TYPE SP 12.5 WEARING COURSE MIX (3;C)	TONS	\$125.00	3783	\$472,900			\$ 472,900
CONCRETE CURB & GUTTER DESIGN B624	LF	\$38.00	7306	\$277,700			\$ 277,700
SEED SOUTHERN SHORTGRASS ROADSIDE	LB	\$36.54	11	\$500	128	\$4,700	\$ 5,200
6" CONCRETE DRIVEWAY	SY	\$130.00	78	\$10,200			\$ 10,200
CONCRETE CURB RAMP WALK	SF	\$18.17	2438	\$44,300	1200	\$21,900	\$ 66,200
4" CONCRETE WALK	SF	\$9.50	6092	\$57,900			\$ 57,900
4" BITUMINOUS WALK	SF	\$5.00			83520	\$417,600	\$ 417,600
TRUNCATED DOMES	SF	\$80.00	200	\$16,000	160	\$12,800	\$ 28,800
Subtotal - Major Roadway Items				\$1,553,200	\$541,000	\$ 2,094,200	
LUMP SUM CONSTRUCTION ITEMS							
PRECONDITION SURVEY	LUMP SUM	\$50,000.00	1	\$50,000	1	\$50,000	\$ 100,000
VIBRATION MONITORING	LUMP SUM	\$50,000.00	1	\$50,000	1	\$50,000	\$ 100,000
FIELD OFFICE TYPE D	EACH	\$50,000.00	1	\$50,000	1	\$50,000	\$ 100,000
Subtotal - Lump Sum Construction Items				\$150,000	\$150,000	\$ 300,000	
Construction Subtotal				\$ 1,703,200	\$ 691,000	\$ 2,394,200	
PERCENTAGE BASED ITEMS							
MOBILIZATION	8%	of construction		\$ 136,300.00		\$ 55,300.00	\$ 191,600
REMOVALS	5%	of construction		\$ 85,200.00		\$ 34,600.00	\$ 119,800
TURF ESTABLISHMENT AND EROSION CONTROL	3%	of construction		\$ 51,100.00		\$ 20,800.00	\$ 71,900
LANDSCAPING/STREETSCAPE	30%	of construction		\$ 511,000.00			\$ 511,000
DRAINAGE/UTILITY RELOCATIONS	15%	of construction		\$ 255,500.00		\$ 103,700.00	\$ 359,200
Subtotal - Percentage Items				\$ 1,039,100	\$ 214,400	\$ 1,253,500	
Construction Cost (2024 Dollar)				\$ 2,742,300	\$ 905,400	\$ 3,647,700	
Contingency (30%)				\$ 822,690	\$ 271,620	\$ 1,094,310	
Total Project Cost (2024 Dollars)				\$ 3,564,990	\$ 1,177,020	\$ 4,742,010	
Project Engineering (20%)				\$ 713,000	\$ 235,400	\$ 948,400	
Construction Supervision (15%)				\$ 534,700	\$ 176,600	\$ 711,300	
Total Project Cost (2024 Dollars)				\$ 4,812,690	\$ 1,589,020	\$ 6,401,710	

ASSUMPTIONS:

- Costs DO NOT include proposed mill & overlay of mainline pavement on Trunk Highway 61.
- Assumed pavement section of 4" bituminous wearing course / 4" bituminous non wear course / 8" aggregate base
- Enhanced Median Landscaping may consist of a combination of standard or colored/stamped concrete, tree plantings, and/or other landscaping items

This opinion of probable construction cost was developed by identifying pay items and establishing quantities based on the current concept design construction documents. Additional pay items have been assigned approximate lump sum prices based on a percentage of the anticipated construction cost. Preliminary cost opinions include a 30% contingency to cover items that are undefined or are typically unknown prior to final design. Unit costs are based on 2024 dollars and were assigned based on historical cost data from MnDOT and City of Red Wing Bid Tabulations. This cost opinion does not include easement and right-of-way acquisition; permitting; escalation; or the cost for ongoing maintenance. This cost opinion is provided for the Client's information, and is based on the design professional's recent experience, adjusted for factors known at the time of preparation. Toole Design Group, LLC has no control over the cost of labor and material, competitive bidding, or market conditions; and makes no warranties, expressed or implied, concerning the accuracy of the opinion as compared to actual bids or cost to the Client.