

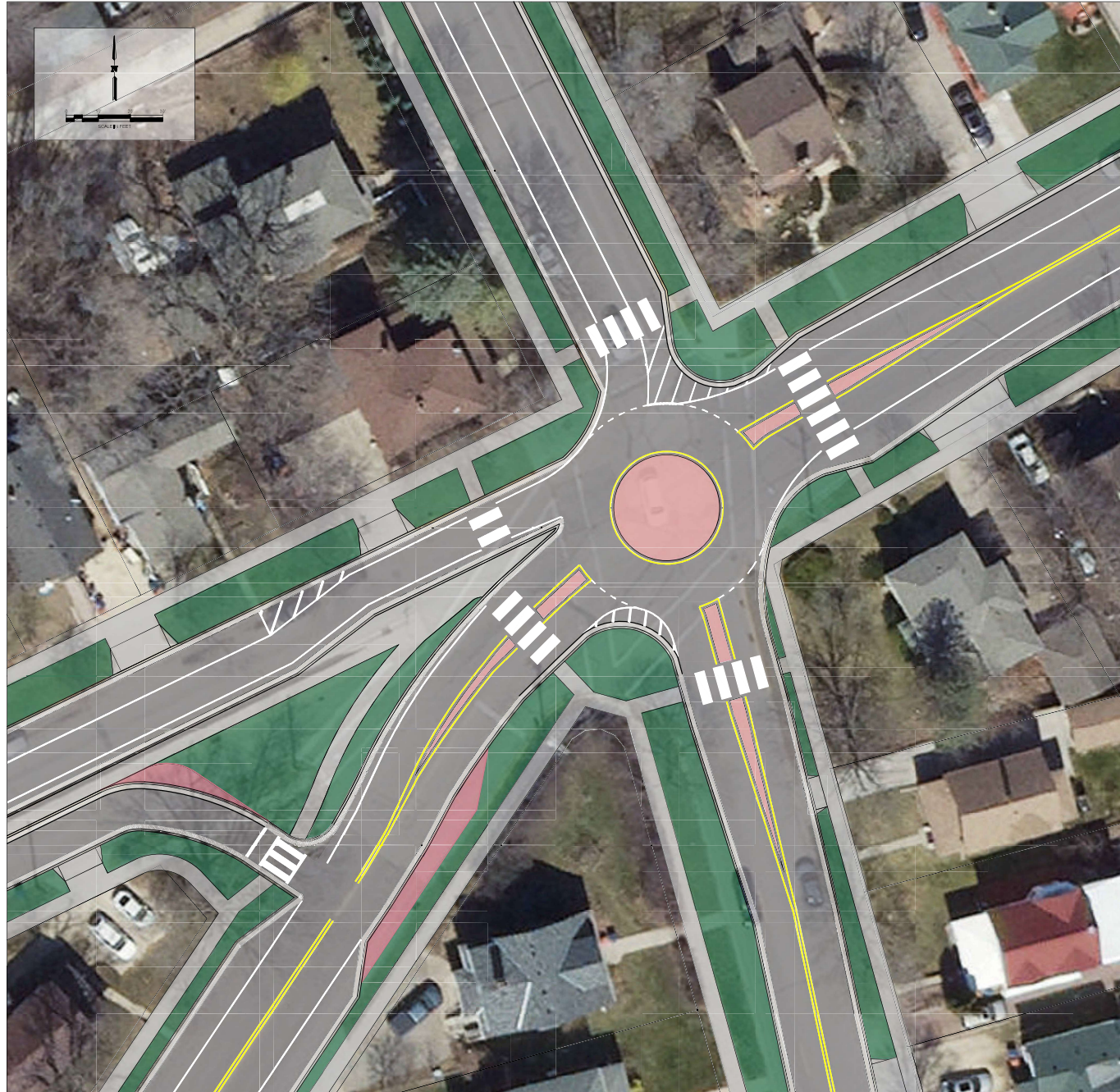
CENTRAL AVENUE AT WEST AVENUE  
POTENTIAL SAFETY IMPROVEMENTS

ALTERNATIVE 2

DRAFT 12/20/2024



LEGEND	
	PROPOSED ROADWAY AND PARKING LOTS
	PROPOSED CONCRETE CURB & GUTTER
	PROPOSED SIDEWALK
	PROPOSED CONCRETE DRIVEWAY APRONS
	PROPOSED CONCRETE MEDIAN
	PROPOSED GREEN SPACE / LANDSCAPING
	PROPOSED TRUCK TURNING APRON



**DISCLAIMER: THIS DRAFT DOCUMENT DOES NOT REPRESENT CURRENTLY PLANNED AND/OR FUNDED PROJECTS. NOT TO BE USED FOR CONSTRUCTION.**

**Opinion of Probable Cost - Concept Cost Estimate**

**WEST AVENUE AND WEST 7TH STREET, COLLEGE AVENUE, CENTRAL AVENUE (5-CORNERS) Alternative #2**

For City of Red Wing



Item	Unit	Unit Price	Total Qty	Total Cost
<b>MAJOR ROADWAY ITEMS</b>				
* AGGREGATE BASE (CV) CLASS 5	CY	\$80.00	328	\$ 28,300
* TYPE SP 12.5 NON WEARING COURSE MIX (3:C)	TONS	\$101.95	699	\$ 71,300
* TYPE SP 12.5 WEARING COURSE MIX (3:C)	TONS	\$125.00	699	\$ 87,400
CONCRETE CURB & GUTTER DESIGN B624	LF	\$25.00	1743	\$ 43,600
SEED SOUTHERN SHORTGRASS ROADSIDE	LB	\$682.83	2.89	\$ 2,000
8" CONCRETE DRIVEWAY (TRUCK APRON)	SY	\$130.00	215	\$ 28,000
8" CONCRETE DRIVEWAY	SY	\$122.20	80	\$ 9,800
4" BITUMINOUS WALK	SF	\$5.00		\$ -
4" CONCRETE WALK	SF	\$9.50	4684	\$ 44,500
<b>Subtotal - Major Roadway Items</b>				<b>\$ 312,900</b>
<b>LUMP SUM CONSTRUCTION ITEMS</b>				
PRECONDITION SURVEY	LUMP SUM	\$50,000.00	1	\$ 50,000
VIBRATION MONITORING	LUMP SUM	\$50,000.00	1	\$ 50,000
MOBILIZATION	LUMP SUM	\$50,000.00	1	\$ 50,000
FIELD OFFICE TYPE D	EACH	\$50,000.00	1	\$ 50,000
<b>Subtotal - Lump Sum Construction Items</b>				<b>\$ 200,000</b>
<b>Construction Subtotal</b>				<b>\$ 512,900</b>
<b>PERCENTAGE BASED ITEMS</b>				
MOBILIZATION		8%	of construction	\$ 41,100
REMOVALS		5%	of maj roadway	\$ 15,645
EXCAVATION AND EMBANKMENT		1%	of maj roadway	\$ 3,129
SIGNING & PAVEMENT MARKINGS		8%	of maj roadway	\$ 25,032
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of maj roadway	\$ 15,645
LANDSCAPING/STREETScape		3%	of maj roadway	\$ 7,823
TRAFFIC CONTROL/STAGING		5%	of maj roadway	\$ 15,645
DRAINAGE/UTILITY RELOCATIONS		15%	of maj roadway	\$ 46,935
<b>Subtotal - Percentage Items</b>				<b>\$ 171,000</b>
			Construction Cost (2024 Dollar)	\$ 683,900
			Contingency (30%)	\$ 205,170
			<b>Subtotal Project Cost (2024 Dollars)</b>	<b>\$ 889,070</b>
			Project Engineering (15%)	\$ 133,361
			Construction Supervision (15%)	\$ 133,361

\* Assumed 5" wearing course, 5" non-wearing course, and 4" aggregate base.

TOTAL PROJECT COST SUMMARY (With Inflation)		
		2024 Year Value
	<b>Total Project Cost</b>	<b>\$ 1,155,791</b>

*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 Bid Tabulations. This cost opinion does not include easement and right-of-way acquisition; permitting, inspection, or construction management; 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.*