

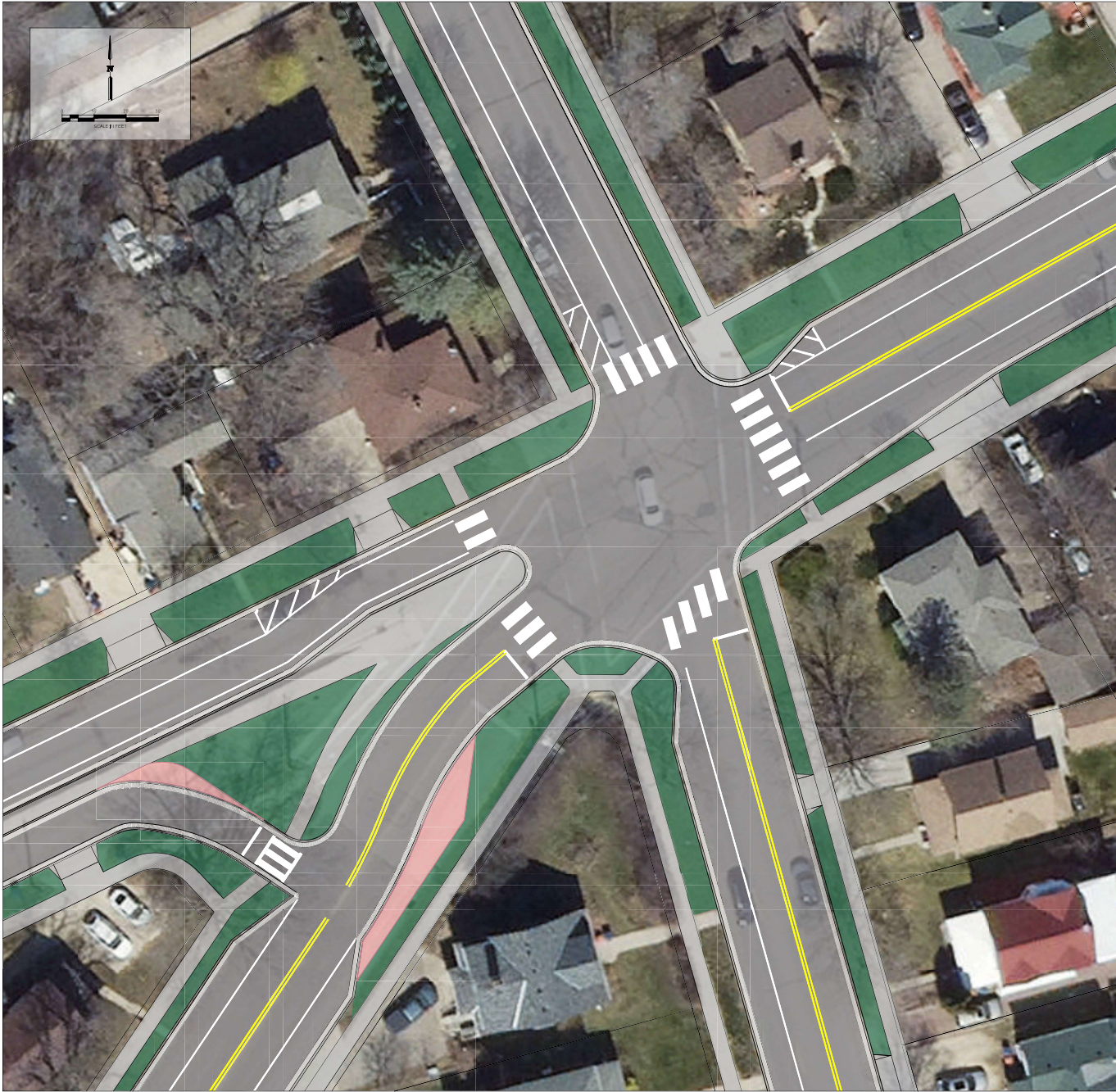
CENTRAL AVENUE AT WEST AVENUE
POTENTIAL SAFETY IMPROVEMENTS

ALTERNATIVE 1

DRAFT 12/20/2024



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



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Opinion of Probable Cost - Concept Cost Estimate

WEST AVENUE AND WEST 7TH STREET, COLLEGE AVENUE, CENTRAL AVENUE (5-CORNERS) Alternative #1

For City of Red Wing



Item	Unit	Unit Price	Total Qty	Total Cost
MAJOR ROADWAY ITEMS				
* AGGREGATE BASE (CV) CLASS 5	CY	\$80.00	455	\$ 36,500
* TYPE SP 12.5 NON WEARING COURSE MIX (3:C)	TONS	\$101.95	1006	\$ 102,700
* TYPE SP 12.5 WEARING COURSE MIX (3:C)	TONS	\$125.00	1006	\$ 125,900
CONCRETE CURB & GUTTER DESIGN B624	LF	\$25.00	1501	\$ 37,600
SEED SOUTHERN SHORTGRASS ROADSIDE	LB	\$682.83	1.90	\$ 1,300
8" CONCRETE DRIVEWAY (TRUCK APRON)	SY	\$130.00	79	\$ 10,300
8" CONCRETE DRIVEWAY	SY	\$122.20	57	\$ 7,100
4" BITUMINOUS WALK	SF	\$5.00		\$ -
4" CONCRETE WALK	SF	\$9.50	5366	\$ 51,000
Subtotal - Major Roadway Items				\$ 372,400
LUMP SUM CONSTRUCTION ITEMS				
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
Subtotal - Lump Sum Construction Items				\$ 200,000
Construction Subtotal				\$ 572,400
PERCENTAGE BASED ITEMS				
MOBILIZATION		8%	of construction	\$ 45,800
REMOVALS		5%	of maj roadway	\$ 18,620
EXCAVATION AND EMBANKMENT		1%	of maj roadway	\$ 3,724
SIGNING & PAVEMENT MARKINGS		8%	of maj roadway	\$ 29,792
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of maj roadway	\$ 18,620
LANDSCAPING/STREETSCAPE		3%	of maj roadway	\$ 9,310
TRAFFIC CONTROL/STAGING		5%	of maj roadway	\$ 18,620
DRAINAGE/UTILITY RELOCATIONS		15%	of maj roadway	\$ 55,860
Subtotal - Percentage Items				\$ 200,000
			Construction Cost (2024 Dollar)	\$ 772,400
			Contingency (30%)	\$ 231,720
			Subtotal Project Cost (2024 Dollars)	\$ 1,004,120
			Project Engineering (15%)	\$ 150,618
			Construction Supervision (15%)	\$ 150,618

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

TOTAL PROJECT COST SUMMARY (With Inflation)		
		2024 Year Value
	Total Project Cost	\$ 1,305,356

- AIAI (AThis 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.