

Buchanan Street/Fourth Street

From the 5-way intersection at Featherstone / West 6th Street near Buchanan's through town to Potter Street in the East End

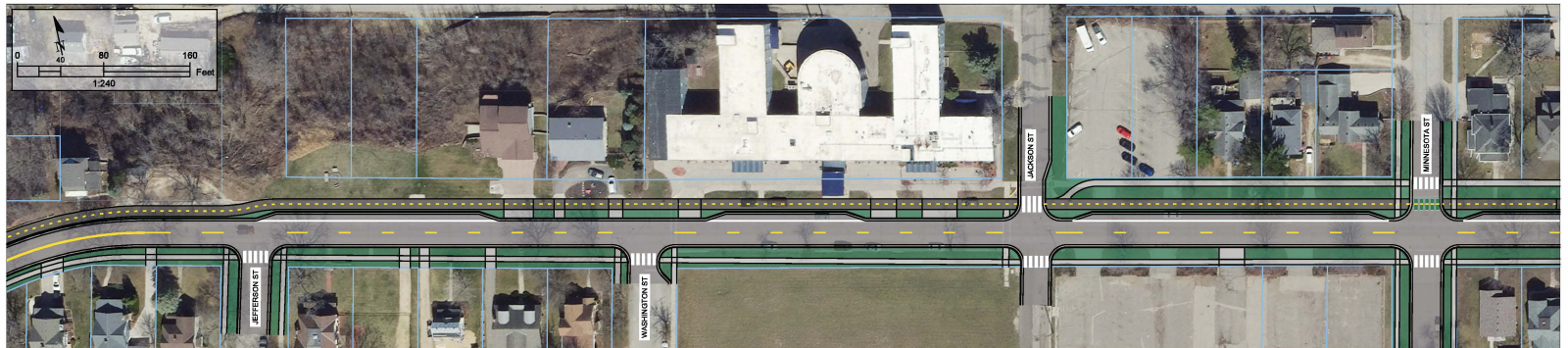
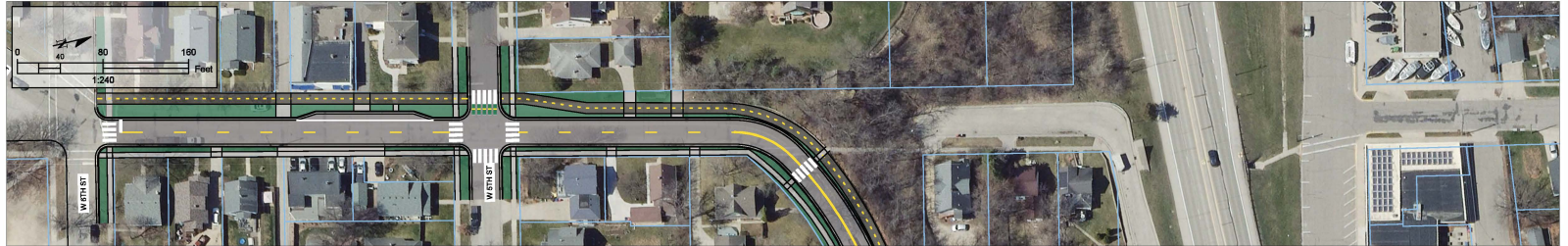
4 pages of drawings

BUCHANAN/4TH POTENTIAL SAFETY IMPROVEMENTS

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TOOLE
DESIGN

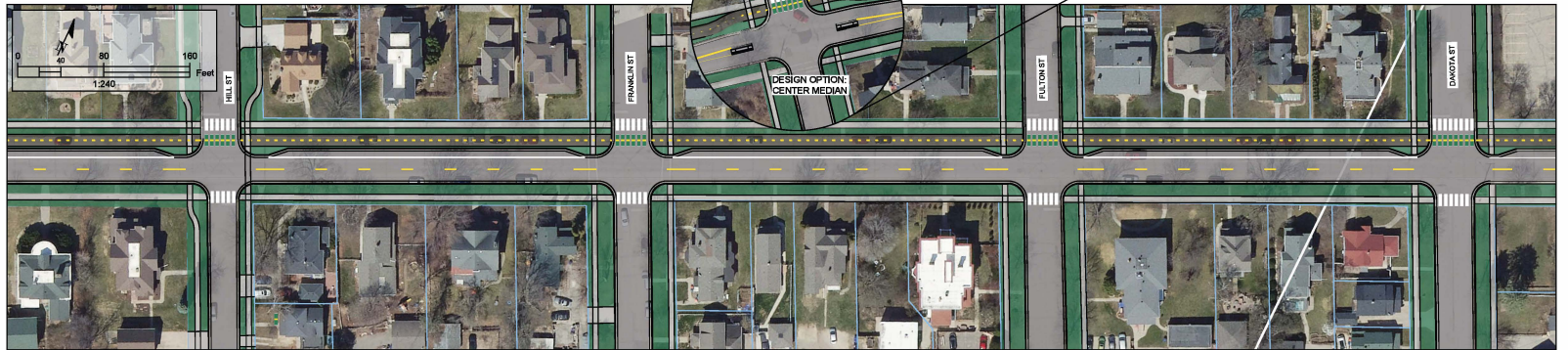
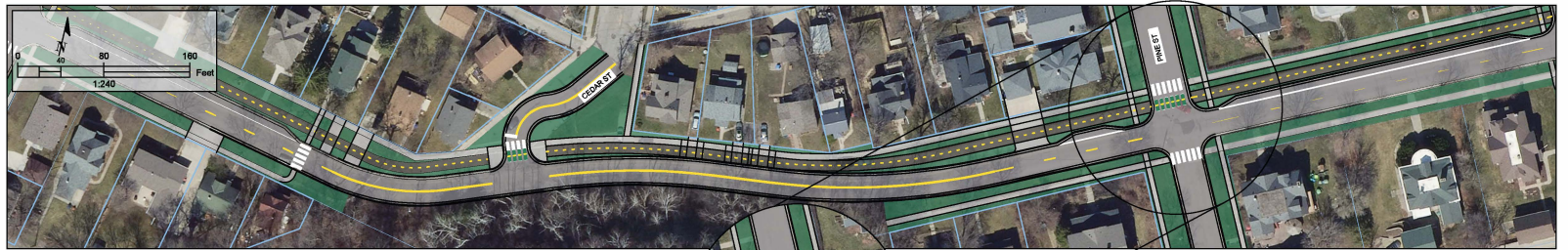
City of
REDFWING



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BUCHANAN/4TH POTENTIAL SAFETY
IMPROVEMENTS

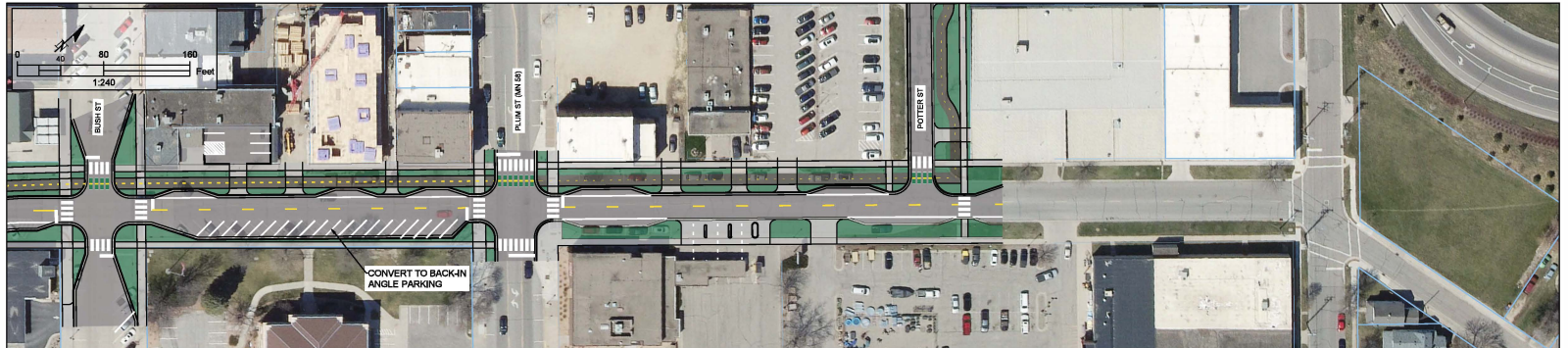
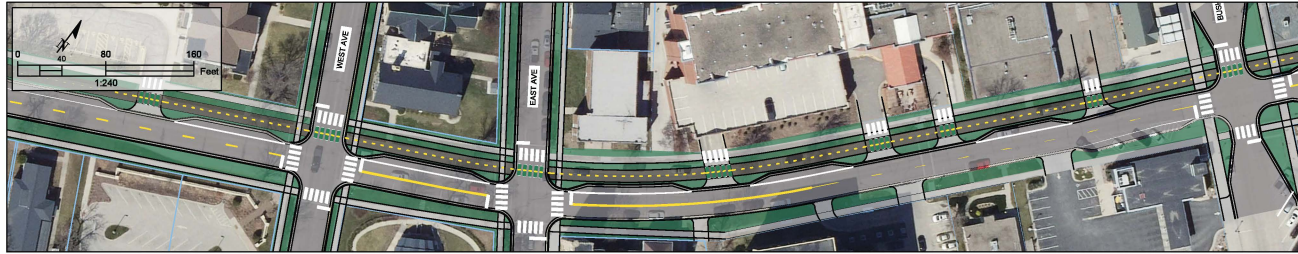
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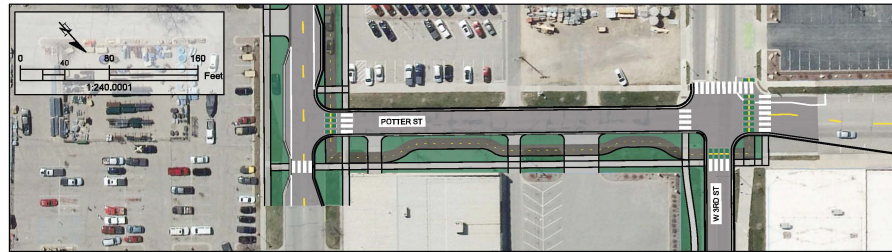
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BUCHANAN/4TH POTENTIAL SAFETY
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Opinion of Probable Cost - Concept Cost Estimate

BUCHANAN STREET / 4TH STREET RECONSTRUCTION: Full Project: West 6th Street to Potter Street

For City of Red Wing



| Item | Unit | Unit Price | Total Qty | Total Cost |
|---|----------|-------------|---|---------------------|
| MAJOR ROADWAY ITEMS | | | | |
| * AGGREGATE BASE (CV) CLASS 5 | CY | \$80.00 | 5548 | \$ 443,900 |
| * TYPE SP 12.5 NON WEARING COURSE MIX (3;C) | TONS | \$101.95 | 9105 | \$ 928,300 |
| * TYPE SP 12.5 WEARING COURSE MIX (3;C) | TONS | \$125.00 | 9105 | \$ 1,138,100 |
| CONCRETE CURB & GUTTER DESIGN B624 | LF | \$25.00 | 20253 | \$ 506,400 |
| SEED SOUTHERN SHORTGRASS ROADSIDE | LB | \$682.83 | 50.04 | \$ 34,200 |
| 8" CONCRETE DRIVEWAY (TRUCK APRON) | SY | \$130.00 | | \$ - |
| 8" CONCRETE DRIVEWAY | SY | \$122.20 | 1570 | \$ 191,900 |
| 4" BITUMINOUS WALK | SF | \$5.00 | 67170 | \$ 335,900 |
| 4" CONCRETE WALK | SF | \$9.50 | 97218 | \$ 923,600 |
| LIGHT POLE (INC. CABINETS AND WIRING) | EACH | \$12,000.00 | 16 | \$ 192,000 |
| Subtotal - Major Roadway Items | | | | \$ 4,694,300 |
| LUMP SUM CONSTRUCTION ITEMS | | | | |
| PRECONDITION SURVEY | LUMP SUM | \$50,000.00 | 1 | \$ 50,000 |
| VIBRATION MONITORING | LUMP SUM | \$50,000.00 | 1 | \$ 50,000 |
| FIELD OFFICE TYPE D | EACH | \$50,000.00 | 1 | \$ 50,000 |
| Subtotal - Lump Sum Construction Items | | | | \$ 150,000 |
| Construction Subtotal | | | | \$ 4,844,300 |
| PERCENTAGE BASED ITEMS | | | | |
| MOBILIZATION | | 8% | of construction | \$ 387,600 |
| REMOVALS | | 5% | of maj roadway | \$ 234,715 |
| EXCAVATION AND EMBANKMENT | | 1% | of maj roadway | \$ 46,943 |
| SIGNING & PAVEMENT MARKINGS | | 8% | of maj roadway | \$ 375,544 |
| TURF ESTABLISHMENT AND EROSION CONTROL | | 5% | of maj roadway | \$ 234,715 |
| LANDSCAPING/STREETSCAPE | | 3% | of maj roadway | \$ 117,358 |
| TRAFFIC CONTROL/STAGING | | 5% | of maj roadway | \$ 234,715 |
| DRAINAGE/UTILITY RELOCATIONS | | 15% | of maj roadway | \$ 704,145 |
| Subtotal - Percentage Items | | | | \$ 2,336,000 |
| | | | Construction Cost (2024 Dollar) | \$ 7,180,300 |
| | | | Contingency (30%) | \$ 2,154,090 |
| | | | Subtotal Project Cost (2024 Dollars) | \$ 9,334,390 |
| | | | Project Engineering (15%) | \$ 1,400,159 |
| | | | Construction Supervision (15%) | \$ 1,400,159 |

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

| TOTAL PROJECT COST SUMMARY (With Inflation) | |
|--|----------------------|
| | 2024 Year Value |
| Total Project Cost | \$ 12,134,707 |

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.