



Real People. Real Solutions.

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November 16, 2022

Mr. Bruce Westby, P.E.
City Engineer / Interim Public Works Director
City of Ramsey
7550 Sunwood Drive NW
Ramsey, Minnesota 55303

RE: Proposal for Engineering Services – 167th Avenue Reconstruction, CP#23-04

Dear Mr. Westby:

We appreciate the opportunity to present this scope of services for the 167th Avenue Reconstruction Project. Our scope and fees were prepared based on our understanding of the project and our previous experience in delivering State Aid projects.

The following proposal is based on your November 1, 2022, email request, including the layouts attached to the email.

SCOPE

The proposed improvements will be generally as described below:

- 167th Avenue reconstruction from Nowthen Boulevard to St. Francis Boulevard, maintaining in-place roadway widths and sections,
- Construction of a 10 ft wide bituminous trail from Nowthen Boulevard to St. Francis Boulevard,
- Adjustments of existing public infrastructure, as needed, and
- Storm sewer culvert replacements from Nowthen Boulevard to St. Francis Boulevard.

Attached is an exhibit received from the City of Ramsey depicting the project area.

Project scope assumptions used in creating this fee proposal include the following:

- **A topographic survey** of the corridor was previously completed by Bolton & Menk, Inc.
- **Geotechnical** evaluation and soil borings have been completed. City staff will forward documents for design use.
- No **Right-of-Way** or easements will be required for the project.
- **State Aid formatted plans and specifications**, including plan review checklist, spread calculations, pavement designs, and MnDOT testing forms are required. The signature block will follow the State Aid format.
- The City will forward **existing plans and record drawings** for the corridor for use in creation of the base drawings.
- On-line bidding through **QuestCDN** will be used for procurement of bids, with the on-line bid opening facilitated at Bolton & Menk's Ramsey office location.
- Storm sewer, where in place, will be designed to meet State Aid standards for allowable spread.

- No storm water ponding will be required. Water quality will be accounted for in the existing ditch sections.
- **Construction related services** such as staking, administration and observation are not included in this proposal. A separate proposal can be submitted once the extent and timing of the improvements is finalized.

PRELIMINARY DESIGN

It is our understanding that the city has submitted a letter of intent and received a recommendation from MnDOT to submit a full application for the Minnesota Active Transportation (AT) Infrastructure Program. City staff is preparing the full application and the application deadline is December 30th, 2022, delivery deadline to city staff is December 20th, 2022. Preliminary design services are described below:

- A survey base map will be prepared from the data previously collected by Bolton & Menk, Inc.
- Preliminary roadway and trail layout designs will be developed into exhibits that can be incorporated into the City's AT grant funding application. Trail alignment alternatives will be developed to determine the most cost-effective solution.
- Preliminary Cost Estimate Breakdown – breakdowns will include subtotals for roadway, trail, and storm sewer improvements that can be incorporated into the City's AT grant funding application.
- Wetland impacts will be considered. According to the National Wetlands Inventory (NWI) there are various wetlands directly adjacent to the roadway corridor. Wetland related services, including a field delineation and permitting replacement plan are included in this proposal. Wetland delineation field work can begin in spring of 2023. We assume if wetland impacts are necessary, credits may be withdrawn from the City of Ramsey Wetland bank. Attached is a map of NWI wetlands throughout this project corridor.

FINAL DESIGN

Immediately following preliminary design, Bolton and Menk staff will continue to final design and prepare final construction plans and specifications. Specifications will be comprised of Bolton & Menk, City of Ramsey, and MnDOT components and the anticipated **plan set** will include the following 53 sheets:

- Title (1 sheet),
- Estimated Quantities/Standard Plates (1 sheet),
- Tabulations (1 sheet),
- Alignment Plan and Tabulation (2 sheets),
- Typical Sections (1 sheet),
- Construction Details (2 sheets),
- MnDOT Standard Plan Sheets (6 sheets),
- Intersection and Pedestrian Ramp Details (2 sheets),
- Storm Water Pollution Prevention Plan (3 sheets),
- Erosion and Sediment Control (4 sheets),
- Existing Conditions & Removals (4 sheets),
- 167th Avenue Plan and Profile – Street and Storm Sewer (8 sheets),
- Signage & Striping (4 sheets), and

- o Cross-Sections (14 sheets).

The above sheet listing assumes traffic control will be designed per the Field Manual for Temporary Traffic Control Zone Layouts, and no project specific traffic control layouts will be created.

ESTIMATED CONSTRUCTION COSTS OF IMPROVEMENTS

Based on current construction trends, the full reconstruction cost for this project is estimated at \$1,975,000. Estimated construction costs will be refined during the preliminary design phase for each proposed alternative. We will create a detailed engineer's estimate during the final design phase, formatted to MnDOT State-Aid standards.

SCHEDULE

We will begin with preliminary design immediately after authorization to supplement the city's AT grant funding application. Dependent on wetland determinations, final plan preparation is anticipated to begin in January of 2023, with anticipation of a bid opening in early June of 2023, and City Council Award in late June of 2023.

PERMITTING AND APPROVALS

The work associated with the roadway improvements will require the following permits:

- MnDOT State Aid Approval,
- Lower Rum River Watershed Management Organization (Stormwater, Wetlands, and Erosion Control), and
- MPCA (NPDES – Construction Stormwater General Permit).
- Anoka County (General Work in Right-of-Way Permit CSAH 5)
- MnDOT (Miscellaneous Work on Trunk Highway Right-of-Way Permit MN 47)

FEES

We have attached a fee spreadsheet depicting hours, rates, and total compensation on a per task basis. Based on our understanding of the improvements, our proposed not-to-exceed fees for the work are \$121,405.00.

If there are any questions related to the scope and/or fee portion of this proposal, please call me at (651) 968-7760.

Sincerely,

Bolton & Menk, Inc.



Kevin P. Kielb, P.E.

Principal Engineer

ATTACHMENTS: Project Area Exhibit, NWI Project Area Map, Detailed Fee Spreadsheet



U.S. Fish and Wildlife Service

National Wetlands Inventory

City of Ramsey - 167th Avenue NW



U.S. Fish and Wildlife Service, National Standards and Support Team
wetlands_team@fws.gov

November 2, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

DETAILED ESTIMATE OF HOURS & FEES

CLIENT: City of Ramsey
PROJECT: 167th Avenue Reconstruction CP 23-04
BOLTON & MENK, INC.

WORK TASK DESCRIPTION	Project Manager	Project Engineer	Design Engineer	Technician	Surveyor	Clerical	Total Hours	Cost
	\$200	\$150	\$145	\$130	\$175	\$90		

Design Services

0.0 Project Management / Meetings	6	6	0	0	0	2	14	\$2,280
1.0 Preliminary Design	3	18	110	0	24	0	155	\$23,450
2.0 Final Design / Plan Preparation / Bidding Documents	8	116	260	60	0	20	464	\$66,300
3.0 Permitting (LRRWMO, Wetlands, MnDOT, Anoka County)	8	44	46	74	0	6	178	\$25,030
4.0 Bidding Services	5	10	9	0	0	6	30	\$4,345
Subtotal Bolton & Menk Design	30	194	425	134	24	34	841	\$121,405
TOTAL for Design through Bidding								\$121,405