

May 2024 Scope Review

This scope review has been prepared for work associated with the CSAH 26 (Lone Oak Road) Improvements project. We have received comments from Dakota County, City of Eagan, and MnDOT on the 60% plans and understand the work remaining to deliver a fully approved bid package for the County and participating agencies to carry forward a construction project beginning in late 2024 and concluding in late 2025. We appreciate the opportunity to discuss all the elements below as we look forward to completing the design work and bidding the project in Fall 2024.

Design Fee Assessment

The total estimated construction cost identified in the County's Capital Improvement Program when providing the original proposal for engineering services was \$800,000 for CP 26-66 and \$6,850,000 for CP 26-67. The original scope of work assumed work through preliminary design for CP 26-67 and final design/project bidding for CP 26-66.

During the study phase, Dakota County applied for and were successful in obtaining federal funding for corridor improvements from Highway 13 to I-35E. This merged project activities of CP 26-66 and CP 26-67 into a singular project to be delivered for project letting in Fall 2024. The latest construction cost estimate developed in late March 2024 in conjunction with the preliminary design layout was \$8,000,000. This included an estimated \$1,200,000 in City watermain and lighting improvements.

The accepted and approved contract totaled \$381,381 with \$31,030 allocated to Braun Intertec for geotechnical and environmental services. Therefore, the total previous preliminary and final design fee for Bolton & Menk is \$350,351. Bolton & Menk also received an amendment for full final design services in the amount of \$488,985.00. With the additional work outlined below, we are requesting an amendment in the amount of \$92,000.00 for a total contract amount of \$962,366.00.

Approved Amendments

The first amendment request for the CSAH 26 (Lone Oak Road) Improvements project was \$488,985.00

This is the second amendment request for the CSAH 26 (Lone Oak Road) Improvements project at the amount of \$92,000.00

CSAH 26 (Lone Oak Road) Improvements Budget Assessment

Active Project Tasks

Task 3: Public Engagement – Additional Budget Requested

Notes:

- ↑ Public Engagement Meetings – Additional meeting for resident Q&A held on November 15, 2023. Parcel exhibits, plan sheets, and a corridor layout were prepared for each of the residents planned to be in attendance. The request also includes time for two Bolton & Menk staff to attend the meeting, development of a presentation, and a prep meeting/discussions that occurred in advance of the meeting.

(Additional Effort Estimated at 35 hrs / \$6,500)

Task 3 Amendment Request \$6,500

Task 4: Survey Data– Additional Budget Requested

Notes:

- ↑ Supplemental Survey – Additional topographic survey of the pond restoration area needed to produce the final plans for maintenance.

(Additional Effort Estimated at 50 hrs / \$8,000)

Task 4 Amendment Request \$8,000

Cost Split - City 95% = \$7,600

County 5% = \$400

Task 6: Environmental – Additional Budget Requested

Notes:

- ↑ Calcareous Fen – Additional effort and coordination with the Minnesota Department of Natural Resources in regards to the calcareous fen located to the west of TH 13. A majority of the effort for this task was performing additional calculations to determine change in flow rate at the TH 13 outfall, as well as analysis of existing infiltration areas compared to proposed infiltration with benefits of the pond considered. A letter was prepared to send to Minnesota Department of Natural Resources to conclude a no effect concurrence.

(Additional Effort Estimated at 70 hrs / \$11,500)

Task 6 Amendment Request \$11,500

Task 10: Roadway Engineering – Additional Budget Requested

Notes:

- ↑ Final Design – Roadway – Change curb and gutter from B418 on western portion of project to B618. Change impacted construction plans, corridor, ADA ramps, and retaining wall profiles.

(Additional Effort Estimated at 50 hrs / \$7,000)

- ↑ Final Design – Eagandale Geometrics – Modification of Eagandale geometrics from the original approved preliminary layout. Changes in geometrics required updates to all pedestrian ramp improvements at this intersection and construction plans.

(Additional Effort Estimated at 45 hrs / \$6,500)

- ↑ Final Design – ADA Improvements – Additional effort to make ADA ramps at the Burnside Avenue and Egan Avenue intersection compliant. All pedestrian ramp improvements east of Pilot Knob are included with the original scope however due to the steep profile of the side

streets, additional reconstruction of the intersection and side street is needed. Time includes corridor modifications, ADA plan sheet updates, removal plan updates, and construction plan updates.

(Additional Effort Estimated at 55 hrs / \$7,500)

- ↑ Final Design – Retaining Walls – Consideration of different types of retaining walls such as cast-in-place. Modification to the retaining wall design to include a moment slab. Additional details, rebar calculations, and specifications are included with this estimated time.

(Additional Effort Estimated at 80 hrs / \$12,000)

- ↑ Final Design – Clearing and Grubbing Plans – Work includes efforts to create a separate plan set for clearing and grubbing.

(Additional Effort Estimated at 35 hrs/ \$5,000)

Task 10 Amendment Request \$38,000

Task 11: Stormwater Management and Hydraulic Design

- ↑ Pond Restoration – Includes modeling and design of OCS, riprap repair, pond excavation, berm repair, and calculations to determine contributing flow from city and county to determine cost sharing. Task includes additional plan sheets, wetland delineation, and modifications to the final drainage report.

(Additional Effort Estimated at 160 hrs / \$26,000)

Task 15 Amendment Request \$26,000

Cost Split - City 95% = \$24,700

County 5% = \$1,300

Task 15: Reimbursables (Braun Intertec)

- ↑ Retaining Wall – Global stability analysis of an additional wall location.

Task 15 Amendment Request \$2,000

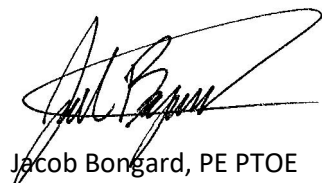
Additional Work Totals

The details outlined above encompass the additional scope and fees incurred due to requested work tasks for the CSAH 26 (Lone Oak Road) Improvements Project. The additional work sum to \$92,000.00 for work tasks completed to-date and additional work necessary to advance the segment of CSAH 26 from Highway 13 to Pilot Knob Road through project letting in Fall 2024.

We are requesting a total amendment in the amount of \$92,000.00 for additional work to be completed as part of the CSAH 26 (Lone Oak Road) Improvements Project.

Please feel free to reach out upon receipt and I would be happy to discuss the contents of this request.

Sincerely,



Jacob Bongard, PE PTOE

Principal Transportation Engineer