

# Attachment D



January 5, 2023

Mr. Derek Asche  
Water Resources Engineer  
City of Maple Grove  
12800 Arbor Lakes Parkway  
Maple Grove, MN 55369

Re: Eagle Lake Channel Improvement Feasibility Study  
City of Maple Grove


Dear Mr. Asche:

Attached for your review and approval is our proposed scope of services, fee, and schedule for providing professional engineering services to complete a feasibility study for the Eagle Lake Channel Improvement Project. The goal of this project is to identify and analyze options for removing accumulated sediment within the channel adjacent to Eagle Lake to maintain navigability of the channel.

We look forward to working with you on this exciting and innovative water quality project. If you are in agreement with this proposal, please sign where indicated below and return one copy to our offices. Please do not hesitate to contact me at 763.231.4861 with any questions.

Sincerely,

WSB

  
Jake Newhall, PE  
Director of Water Resources

  
Kendra Fallon, PE  
Water Resources Project Manager

Attachment

**ACCEPTED BY:**

**City of Maple Grove, MN**

Name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

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**SCOPE OF ENGINEERING SERVICES FOR  
EAGLE LAKE CHANNEL IMPROVEMENT FEASIBILITY STUDY**

**CITY OF MAPLE GROVE, MN**

**SCOPE OF ENGINEERING SERVICES**

**Task 1 – Project Management (\$3,000)**

Project management will be performed throughout the course of the project. The following subtasks are included as part of Project Management:

- 1.1 Attend project update meetings with City staff to discuss the draft study and final study. This will include developing agendas, preparing handouts and graphics, and attending meetings.
- 1.2 Work with project team and the City to coordinate project deliverables, schedule, and budget.

***Deliverables:*** *Two (2) meetings with City staff to review concepts, draft study, and final study.*

**Task 2 – Collect Background Data (\$6,500)**

This task consists of collecting background data and relevant design information for the project. The following are the subtasks that will be included as part of the evaluation:

- 2.1 Collect background information including: easement information, storm sewer sizes and elevations, existing hydrologic modeling for the area, and other relevant information. Note that the adjacent residential neighborhood is scheduled for a reconstruction in the summer of 2023 and WSB is currently working on the storm sewer design for the neighborhood, which will be referenced as part of the study.
- 2.2 Site visit and bathymetric survey of the approximate 1600 linear foot channel area and adjacent features will be performed by WSB. This will include surveying FES within the anticipated construction limits.
- 2.3 Sediment sampling within the anticipated excavation area will be completed in accordance with MPCA best practices to determine the appropriate sediment disposal methods.

***Deliverables:*** *Bathymetric survey information, Sediment sampling results. This task does not include the lab fees for the sediment sampling, these will be passed on to the City as applicable.*

**Task 3 – Reporting (\$10,200)**

A summary of the bathymetric survey, sediment sampling results, existing conditions, anticipated permitting needs, funding options, and recommendation will be included in the report. An analysis of and cost estimates for construction alternatives will be included; alternatives to be analyzed include hydraulic dredging in the summer and mechanical dredging in the winter along with others identified. The following are the subtasks that will be included as part of the analysis and report preparation:

- 3.1 Prepare a draft feasibility study summarizing survey results, construction alternatives, permitting requirements, cost estimates, and final recommendation.
- 3.2 Finalize the feasibility study based on feedback from City staff.

***Deliverables:*** *Feasibility Study*

#### **TOTAL ESTIMATED ENGINEERING FEE**

The cost to provide the scope of services outlined in this proposal will be billed hourly, based on our current hourly rates. We are proposing to complete the Eagle Lake Channel Improvement Feasibility Study for an hourly not-to-exceed fee of **\$19,700.00**.

#### **TIME SCHEDULE**

Based on the current project schedule, WSB proposes to complete the background data and preliminary work in the winter and early spring of 2023. Survey will occur at ice out. The reporting will then be finalized in the spring/early summer of 2023.