



Building a Better World
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June 14, 2024

RE: Ramsey County
Wilkinson Lake Meander
SEH No. 171749 14.00

Ann White Eagle
SWCD Director
Ramsey County
2015 Van Dyke St.
Maplewood, MN 55109

Dear Ms. White Eagle:

SEH is providing this proposal to investigate the potential for a meander project on the south side of Wilkinson Lake; flowing from the current deep-water wetland restoration to the access road north of Wilkinson Lake (approximately 1,800-2,000 feet).

The Vadnais Lake Area Water Management Organization (VLAWMO) is currently working with SEH to evaluate the feasibility of the meander project, which includes estimated pollutant reductions, alternative analysis, pre-permitting, and constructability. The Ramsey County SWCD is interested in this project as part of their Soil Health Program.

SEH is proposing the following scope of work to further evaluate the constructability and permitting aspects of the project, which will help to better define feasibility and overall costs.

Geotechnical Data Collection and Evaluation

SEH Geotechnical Staff will attempt up to 5 hand auger borings at accessible locations along the proposed stream alignment. The hand auger borings will collect soils data up to 4 feet in depth depending on the conditions encountered. Due to likelihood of organic soils and shallow groundwater hand auger borings may be very difficult to advance. In addition, we will use a static cone to test soil strength at each location.

The purpose of the hand auger borings is to observe the types of soils present along the proposed excavation. Static cone penetrometer tests will be performed to collect information about the soil consistency.

Geotechnical Memorandum

SEH will prepare a technical memorandum describing the geotechnical and water level conditions observed during the hand auger boring site visit. The technical memorandum will summarize observations from the hand auger borings and/or static cone tests. The memo will also provide general recommendations relative to the excavation of the stream meander and channel side slopes. Design of contractor's access, dewatering, or temporary shoring are not included in this scope.

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 3535 Vadnais Center Drive, St. Paul, MN 55110-3507

651.490.2000 | 800.325.2055 | 888.908.8166 fax | sehinc.com

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Constructability Evaluation

The project team will evaluate constructability and site access. The evaluation will consider the nature of the proposed construction, soil and water characteristics at the site, and potential access routes. SEH will provide a memorandum that summarizes considerations and recommendations for construction.

Surveying

SEH survey staff will visit the site to take survey shots of the stream channel. The main goal of this survey will be to determine the approximate extents of the Wilkinson Lake Ordinary High Water Level (OHWL) in relation to the stream. We have included one full day of surveying, which includes post-processing of the survey data. A figure will be developed showing the survey results and estimated location of the OHWL. A full topographic survey for final design purposes has not been included at this time.

Meetings

We have included time for up to three meetings with Ramsey County, VLAWMO, Regulatory Agencies, and Stakeholders. SEH staff will prepare agendas for each meeting and will prepare meeting minutes following each meeting to document comments and decisions made.

DELIVERABLES

- Geotechnical technical memorandum regarding soil conditions, constructability evaluation, and site access recommendations.
- Figure showing survey results and estimated OHWL
- Meeting agendas and meeting minutes.

SCHEDULE AND COMPENSATION

SEH will begin work within 2 weeks from Notice-to-Proceed. We will complete the scope of work within 8 weeks from Notice-to-Proceed.

The work described in this task order is estimated to be \$9,999, which includes labor and expenses. SEH will bill the project on a lump sum basis, which will be billed monthly. A breakdown by task is shown in the table below:

Geotechnical Data Collection and Evaluation	\$3,199
Geotechnical Memorandum	\$1,042
Constructability Evaluation	\$1,194
Surveying	\$2,536
Meetings	\$2,028
TOTAL	\$9,999

We are looking forward to working with Ramsey County on this project. If you have any questions, feel free to contact Jeremy Walgrave at 651-490-2000 or jwalgrave@sehinc.com.

Sincerely,

SHORT ELLIOTT HENDRICKSON INC.



Jeremy Walgrave, PE, CFM
Project Manager

jjw

c: Phil Belfiori, Dawn Tanner

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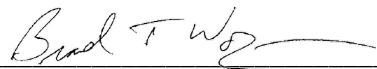
SIGNATURES:

RAMSEY COUNTY PARKS & RECREATION ("COUNTY")

By  on 06/17/2024
Date

Mark McCabe its Ramsey County Parks & Recreation Director
Print Name Print Title

SHORT ELLIOTT HENDRICKSON, INC.

By  on 6/24/2024
Date

Brad Woznak its RPCL – Water Resources
Print Name Print Title