



February 7, 2022

Steve Christensen
Leelanau County Drain Commissioner
8527 E. Government Center Dr.
Suite 205
Suttons Bay, MI 49682

RE: Leland Dam, Dam ID No. 510
Leelanau County, MI

Steve,

At your request, we propose to furnish Professional Engineering Services regarding the inspection of the Leland Dam. This dam will be inspected, and a report prepared in accordance with the Dam Safety Act, Part 307/315 of Act 451 of 1994 and the Administrative Rules for the Dam Safety Act, effective July 24, 1993. Previous inspection reports will be utilized in completing the report.

Our scope of work, estimated fee, and anticipated schedule for the dam inspection is outlined below:

Scope of Work

1. Obtain relevant information from you, or previous owners and operators of the dam. Information compiled during the previous dam inspection will be utilized.
2. Obtain hydrologic information and dam inventory sheets from the MDEQ and/or our current FEMA map modernization analysis.
3. Review previous dam inspection reports, dam inventory sheets, and drawings.
4. Perform a visual inspection of the dam. Photographs will be taken and a field inspection report will be completed.
5. Utilize existing drawings of the dam from previous designs and previous inspection repairs. No new drawings of the dam are proposed.
6. Review previous hydrologic and hydraulic calculations.
7. Prepare a dam inspection report as outlined in the Administrative Rules for the Dam Safety Act, Part 315 of Act 451 of 1994, as amended. This report will include:
 - a.) Title Sheet
 - b.) Conclusions and Recommendation Section.
 - c.) Project Information Section
 - d.) Field Inspection Section.
 - e.) Structural Stability Section.
 - f.) Hydrologic and Hydraulic Section.
 - g.) Operation and Maintenance
 - h.) Appendices with photographs, drawings, Previous Inspection Report, etc.

8. Submit a preliminary copy of the report to you for review.
9. Prepare final dam inspection report based on your review and submit to EGLE Dam Safety Unit
10. Provide you with one final signed and sealed copy of the dam inspection report.

Fees

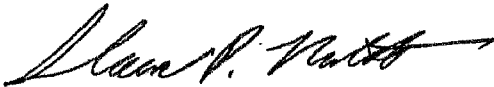
Our fee for the completion of the dam inspection and dam inspection report is a lump sum in the amount of \$2,000.

Schedule

We will contact you prior to our inspection. We plan to complete the inspections by the end of summer or fall of 2022. Ideally, we would want to complete the inspection under low water and flow conditions. and complete and submit the inspection reports by end of fall 2022.

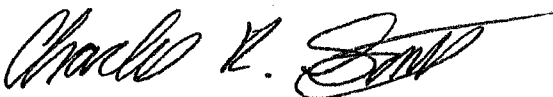
We deeply appreciate your confidence in Spicer Group, and we are looking forward to working with you and for you on this project. We are prepared to begin the project immediately upon your review and approval of this proposal.

Sincerely,



Shawn P. Middleton, P.E., CFM
Principal

SPICER GROUP, INC
302 River Street
Manistee, MI 49660
Cell: (989) 928-8027
E-mail: shawnm@spicergroup.com



Charles R. Smith, P.E., CFM
Project Manager

SPICER GROUP, INC
1400 Zeeb Drive
St. Johns, MI 48879
Cell: (586) 383-8244
E-mail: charless@spicergroup.com

Above proposal accepted and approved
by Owner.

LEELANAU COUNTY

By: _____
Authorized Signature

Date: _____