



May 11, 2023

Tyson Ames
Municipality of Skagway, Public Works Director
P.O. Box 415
Skagway, AK 99840
t.ames@skagway.org

RE: MOS Skagway River Levee Maintenance Repair
Topographic Survey, Design, Permitting and Bid Services Fee Proposal

DEAR TYSON,

RESPEC is pleased to submit this fee proposal for performing topographic mapping, engineering design and bid services for the maintenance repairs of sections of the Skagway River Levee that are the responsibility of the Municipality of Skagway (MOS) in Skagway, Alaska. The Army Corps of Engineers performed an inspection on the Skagway River Levee in May 2022 and a report was issued on October 4, 2022 identifying that erosion has occurred at the toe of the riverbed of the revetment. Respec has walked the levee with you in mid-April of this year to visually inspect the failed levee scope of work areas. Field measurements of the levee indicated an approximate length of 1,313 feet in length from the State of Alaska/MOS boundary to the Skagway River bridge. The following is our anticipated scope of work tasks for the Skagway River Levee repairs:

SCOPE OF WORK

TASK 1 - Topographic Mapping

The first work task for this project is to obtain field topographic survey so that accurate mapping can be produced for engineering design and permitting needs. The topographic survey will begin at the border between State of Alaska Airport and MOS property and head north to the Skagway River Bridge a distance of approximately 1,313 feet. Features which will be surveyed include the existing gravel access road that parallels Alaska Street, existing top of river bank, spot elevations on the existing riprap slope, edge of water at the river, some water shots where feasible, survey in the failed riprap areas, survey in the west drainage area to facilitate a river diversion option, sand bar to the north near the Skagway River bridge, survey the Pat Moore Pedestrian bridge asphalt path, some uplands and surveying where a temporary access road would be developed to allow access to the river. Underground utilities are not known in this area. Horizontal and vertical control for construction will be established on or near the project site. Field survey data will be reduced and mapped at a 1"=10' scale for use in engineering design. All work will be prepared in AutoCAD R2023 in standard U.S. imperial units.

TASK 2 – Engineering Design (65%, 90% and Final Documents)

Respec principal civil engineer will travel to Skagway on May 23, 2023 to walk the project site with MOS and Army Corps of Engineers to further review the scope of

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work for repairs to the Skagway River Levee. Using the topographic mapping produced in Task 1 Respec will develop 65% design drawings and technical specifications for the repair of the failed Skagway River Levee. The 65% design documents would include cover sheet, note sheet, individual plan view sheets of the project area, site cross sections of the levee showing repair areas, typical sections of the river levee reconstruction, construction details, temporary access road to the work zone, river diversion plan, erosion and sediment control plan, and traffic control plans. 65% design plans, technical specifications, quantity calculations and engineers cost estimate will be prepared and submitted to MOS for review. Respec engineer will travel to Skagway and perform a plans in hand walk-through in the field of the 65% design documents with MOS Public Works Director. A sheet by sheet review will also be performed with the MOS Public Works Director while in Skagway.

Corrections to the 65% design plans, specifications and cost estimate will be made by Respec and construction documents advanced to a 90% design level. 90% design drawings, technical specifications and construction cost estimate will be submitted in electronic format to MOS for review.

Final bid ready documents will be prepared by Respec incorporating all final MOS comments. The bid ready documents will include final signed construction drawings, final technical specifications, and final engineers cost estimate for the project. All documents will be coordinated with MOS for getting posted onto the MOS website for advertising for construction.

Submittals of plans, specifications and cost estimate will be made in 11x17 PDF format at the 65%, 90% and 100% design levels. Technical specifications will be created using CSI format and coordinated with MOS bidding boiler plate sections. It is assumed that there will be at least one project team meeting in each design phase of the project, 3 total. All printing and advertising of project will be done by MOS.

TASK 3 – Permitting

Agency permits anticipated for the Skagway River Levee reconstruction include the U.S. Army Corps of Engineers 401/404 permit and the State of Alaska Department of Fish and Game Habitat Permit. The Skagway River is an anadromous water body that has been identified as an important spawning, rearing and migration of anadromous fish species.

TASK 4 – Bid Services

Respec will respond to contractors questions submitted to MOS that arise during the bid period. We will attend the pre-bid conference in person in Skagway and prepare the pre-bid meeting agenda and prepare pre-bid meeting minutes. We will prepare any addenda as required during the advertising period for the civil engineering design. Respec will prepare a bid evaluation summary letter for MOS after the bids are opened for MOS to use in issuing a notice of intent to award.



ESTIMATE OF FEES

MOS SKAGWAY RIVER LEVEE REPAIR WORK TASKS	ESTIMATED FEE
Topographic Mapping	\$19,474
Engineering Design/Specs (65%, 90% and Final Bid Ready)	\$53,365
Agency Permitting	\$13,560
Bid Services	\$7,115
ESTIMATED TIME AND MATERIALS FEE TOTAL	\$93,514

We propose to perform our work on a time and expense basis. Respec's total compensation for services provided pursuant to this agreement, including labor and overhead costs and expenses shall not exceed \$93,514 without written authorization by MOS.

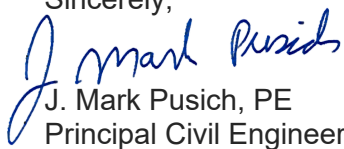
Attached herewith is a fee spreadsheet as backup for the Skagway River Levee Maintenance Repair services as described herein. Additional professional services work that is requested or added to the contract will be billed on a separate time and materials basis or negotiated separately. Respec will keep you apprised of budget and scope status throughout the performance of this work and alert you of any non-scope items that may impact the budget.

Fee exclusions: No geotechnical investigation fee is included in this fee proposal. Construction Administration and field inspection services fee proposal will be submitted once a contractor has been selected for the project as contractor schedule and hours of operation not known at this time.

SCHEDULE

Task 1 Topographic Mapping is the first item of work that would be accomplished and we are available to begin that work within 1 week of a Notice to Proceed. The sooner that we can get the mapping completed the better as the water levels in the river will soon begin to rise making field survey work challenging to complete. Once the mapping is finalized we anticipate 3 weeks to produce the 65% design submittal package.

We appreciate the opportunity to be of service to MOS on this important community project and look forward to working with you. Should you have any questions, please do not hesitate to contact me at your convenience.

Sincerely,

J. Mark Pusich, PE
Principal Civil Engineer
Mark.Pusich@respec.com
907-780-6060

Approved By: _____ Date: _____

