

February 24, 2017

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R&M CONSULTANTS, INC.

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Re: Valdez Small Boat Harbor Dredging—Proposed Change Order Task 3 for Engineering Support During Construction

This change order fee proposal has been prepared for the City of Valdez (City) to provide Engineering Support During Construction of the Valdez Small Boat Harbor – Dredging project. R&M Consultants, Inc. (R&M) will provide the engineering support service as defined below.

Task 3: Engineering Support During Construction

The scope of work for Engineering Support During Construction (ESDC) for the Small Boat Harbor Dredging Project is assumed to include:

- Dredging work for Schedule A Base Bid Entrance Channel to begin in 2017 and includes the dredging of the small boat harbor channel to the limits defined on the plans.
- Schedules B, C and D were not awarded and will not be included in future change orders to the selected contractor. We expect that services will continue through Final Inspection and Certificate of Completion, estimated before November 2017.

We understand that the Construction Administration for the project above will be led and directed by the City of Valdez personnel. R&M will serve as *Engineer*, as defined in the contract documents. Primary duties will include ESDC as outlined, below. In addition, we understand that the daily construction management is being performed by the City. As such, these services are not included in this fee proposal and are listed below.

City of Valdez Support Provided During Construction:

- Pre-Award conference between City and Contractor, if needed
- Coordinating and administrating weekly construction progress meetings including maintaining meeting minutes, agendas and teleconference call in number
- Coordinate notification to boat owners and movement of boats and floating equipment in the harbor
- Review and respond to progress payment requests
- Perform dredging inspections in accordance with specification section 20.60.3 Inspection A, if needed

Engineer Support During Construction:

- Issue conformed construction documents
- Design team management and coordination. Assuming 4 weeks to complete construction either before May 1, 2017 or after September 15, 2017. Duration of dredging activity is estimated to be 7-14 working days at an estimated daily production rate of 1,500 cubic yards (base bid total 13,700 cubic yards). Activities outside dredging include pre/post dredge surveying and cleanup/spot dredging.
- Pre-construction coordination meeting in Valdez
- Construction coordination meetings by teleconference (4 meetings total)

- Submittal reviews (survey plan, dredge plan, environmental plan, interim/final surveys and dredge quantity QC)
- RFI review and response (assumes up to 2 minor RFIs)
- Change Order Pricing review and response (assumes 1 CO)
- Site visits/inspections
 - Civil Engineer Inspections (2 trips)
 - Travel, meals, lodging, rental car, fuel and parking fees
- As-built review and record document preparation
- Project closeout, document Certificate of Completion
- As-built survey submittal to USACE for permit compliance

Assumptions:

- 1) Work will be completed in 2017. If contractor elects to perform work in early 2018, R&M's 2018 labor rates would apply.
- 2) Due to limited scope of work no RFP preparation or review will be required.
- 3) Construction Administration/Management is not included. These services, including daily on-site coordination with Contractor, conducting weekly meetings/minutes, daily observations and documentation of work being performed and compliance with permits, contractor pay application processing, and other administrative duties not specifically noted herein will be provided by City personnel.
- 4) Construction inspections will be included to verify the intent of R&M's design contract documents is being met. These include construction site visit/inspections to review of contractor dredging and disposal procedures, documentation and survey/grade control to verify compliance with the contract and the Contractor's approved plans.
- 5) Travel to/from Valdez does not include weather delays.

The estimated not-to-exceed Time and Expense fee estimate for Task 3 *Engineering Support During Construction* described herein is **\$29,506** as detailed in the attached fee estimate spreadsheet.

Sincerely,
R&M CONSULTANTS, INC.



Steven E. Lewis, PE
Project Engineer

Attachment: Fee Estimate/Work Breakdown – Task 3: Engineering Support During Construction

