



October 1, 2015  
W.O. 1127.62042.00

Ms. Kathleen Bridenbaugh  
Procurement Specialist III  
State of Alaska, Department of Transportation and Public Facilities  
4111 Aviation Avenue  
Anchorage, Alaska 99502

via Email: Kathleen.Bridenbaugh@alaska.gov

Subject: Innovative Term Agreement for Surveying and Mapping Services  
Response to Request for Proposal (RFP) 2014-12 V2  
Dillingham Airport Improvements – Project No. 59304

***-REVISED PROPOSAL ADJUSTED ESTIMATE-***

Dear Ms. Nelson:

DOWL is pleased to present our revised proposal and qualifications to provide monitoring, design, ROW and Aeronautical survey services for the Dillingham Airport Project. DOWL will provide the services outlined in the Request for Proposal (RFP) dated September 18<sup>th</sup>, 2015. We understand your goals for this project is to complete the documentation of encroachments on the Dillingham Airport, to monitor subsidence of the existing Runway Safety Area (RSA), and update the Aeronautical survey to reflect the recent airport construction.

**1.0 SCOPE OF WORK AND WORK PLAN**

**Horizontal and Vertical Control.** Survey control will be based on the Record of Survey (ROS) provided with the RFP. We assume that additional primary survey control will not be needed, however survey control established for the monitoring survey will be documented in an updated Record Of Survey. We will establish 6 new benchmarks in the RSA left of centerline at approximately stations 7+50, 20+00, 30+00, 45+00, 60+00, & 80+00. We will control these new benchmarks using Static GPS for horizontal position and Differential Digital Levels for Vertical positions. Differential Digital Levels will commence from and include the PACS and SACS monuments.

**Monitoring Survey.** We will perform cross sections of the runway from station 9+00 to station 76+00 every 100'. Cross sections will begin at centerline and continue left of centerline only to one shot past the toe of slope at 25' intervals. We will collect the transition between the new RSA and the original RSA. We will collect cross sections of the whole RSA (both left and right of centerline) for stations 5+00 to 8+00 and 76+00 to 85+25.

**Encroachment Location Surveys.** We will locate and document the encroachments as outlined Attachment B of the RFP. We assume at this time that all buildings and improvements encroaching onto airport property as well as into airport Avigation Easements will be located and dimensioned.

**Updated Aeronautical Survey.** DOWL will complete and submit to the Airports GIS portal an as-built survey of the modified navigational aids, runway safety area and on airport features that were modified as a result of the 2012 construction project. We will download the 7460 FAA cases and

ensure that they are represented in the obstruction data. We will field verify the 7460 cases to ensure that any new construction is captured in our reporting. While on site, spot checks of critical vegetation will be made to ensure that vegetation growth is also considered.

## **2.0 ASSUMPTIONS MADE IN FORMULATING OUR PROPOSAL**

This proposal is based on the following assumptions and qualifications. If further investigation into the project discloses conditions other than those assumed, we will advise you and assist in making appropriate adjustments to the scope of work and fees.

- We will receive a Notice-to-Proceed by October 15<sup>th</sup>, 2015.
- Access to the controlled Airport property will be continuous as needed.
- Access to the encroaching properties will be facilitated by DOT staff as needed while the survey crew is on site. Right of Entry Permits are not needed for this effort.
- ADOT will provide DOWL with the electronic ACAD drawing of both the ROS and the Land Occupancy Map.

## **3.0 EXPECTED SUPPORT FROM THE CONTRACTING AGENCY**

The only support we expect from the contracting agency is timely responses to our questions and a timely review of our submittals.

## **4.0 FEE PROPOSAL**

We propose to provide these services on the basis of Cost Plus Fixed Fee (CPFF). A detailed price estimate is enclosed herewith for your consideration.

Sincerely,  
DOWL



OCT. 01, 2015

A. William Stoll, PLS, CFedS  
Manager, Land Survey