

IDAHO TRANSPORTATION DEPARTMENT

ADDENDUM NO. 1 TO REQUEST FOR PROPOSALS

**FY17 D6 ASSET MANAGEMENT
PROJECT NO. A019(447)
KEY NO. 19447**

**FY17 D6 PRE-PROJECT PLANNING
PROJECT NO. A013(598)
KEY NO. 13598**

The General Scope of Work is revised by deleting from **DELIVERABLES** the requirement to file a record of survey. The revised scope of work is attached.

The due date for submission of proposals has been extended. The new date for submission of proposals is Tuesday, February 28, 2017.

All other provisions of the solicitation remain unchanged.

Dated: February 13, 2017

GENERAL SCOPE OF WORK

DESCRIPTION:

This project is in Bonneville, Madison, Teton, Jefferson, Fremont, Clark, Butte, Custer and Lemhi Counties in southeastern Idaho. The purpose of this project is to obtain digital orthorectified color imagery (at Idaho East State Plane Zone & Idaho Central State Plane Zone) and aerial-based LiDAR supplemented photogrammetric topographic mapping to provide design surfaces for project planning.

The State Highways contemplated in this project are located in ITD's District 6. No work shall be done outside the above-mentioned counties.

Following is a list of priorities for all survey, aerial photography, aerial LiDAR collection, photogrammetric topography, and aerial mapping.

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|----------------------|----------------------|----------------------|
| A) I-15 (84 miles) | B) US-20 (157 miles) | C) US-26(68 miles) |
| D) SH-22 (44 miles) | E) SH-28 (120 miles) | F) SH-33 (140 miles) |
| G) US-93 (268 miles) | H) SH-32 (28 miles) | I) SH-31 (21 miles) |
| J) SH-29 (14 miles) | K) SH-43 (4 miles) | L) SH-47 (12 miles) |
| M) SH-48 (24 miles) | N) SH-75 (27 miles) | O) SH-87(9 miles) |
| P) US-91 (4.5 miles) | | |

NOTE: This work shall include the business loops shown below:

- | | |
|-----------------------------|------------------------------|
| I-15B Idaho Falls (4 miles) | US-20B Idaho Falls (3 miles) |
| US-20B Rigby (2 miles) | US-20B St. Anthony (3 miles) |
| US-26B Ririe (3 miles) | |

Total Centerline Interstate length is 126 miles (\pm).

Total Centerline 2-way roadway length is 898 miles (\pm).

Color orthorectified aerial images and aerial mapping will extend 500' on both sides from the centerline of all Interstate roadways and 250' on both sides from the centerline of all other routes. If Right of Way is greater than these limits, aerial photography and aerial mapping will extend to the limits of Right of Way.

PROPOSED SCOPE:

1. Set photo and LiDAR aerial targets and perform static GPS survey to tie them and all additional control points needed to the National Spatial Reference System, the HARN Network, and the Idaho East & Central Zone of the State Plane Coordinate System for aerial photography and digital mapping of the project areas. The aerial targets shall be on NGS (H&V) monuments when such are available.

The Consultant shall make all owner contacts prior to placing aerial targets on private property. The consultant will remove all aerial targets placed on private property when no longer needed.

2. Digital mapping standards will reflect the latest MicroStation V8i and Inroads CADD standards as downloaded from ITD's Roadway Design CADD Files website.

3. Develop aerial photography from an acquisition at a ground sample distance (GSD) of 6 cm, acquire aerial LiDAR data at a point density of four (4) points per square meter, complete analytical aerotriangulation control extension and all other needed work to create aerial images, *.DTM surfaces, and MicroStation/InRoads based digital aerial mapping for the proposed areas.
4. Planimetry will include edges of roads, sidewalks, driveways, building outlines, visible fences, signs, manholes, visible culverts, power and light poles, bridges, ditches, drainages, major vegetation outlines, railroads, any other visible utilities, roadway paint lines, mailboxes, and other features visible with imagery and appropriate for 1"=100' scale mapping. 2' contours will be software generated from final return, bare earth LiDAR data and supplemental breaklines, with index contours every 10 feet.
5. The Consultant shall provide a 3% audit survey on hard surfaces to certify mapping accuracy.

DELIVERABLES:

The following major deliverables are anticipated:

1. Digital color orthorectified aerial photography imagery will be delivered in *.TIF and Bentley *.HMR formats with a pixel resolution of 0.2 feet. The photos will be projected at the East Zone of the Idaho State Plane Coordinate System.
2. Design files showing 2-foot contours and aerial mapping of all planimetric data delivered in MicroStation V8i *.DGN format.
4. The modeled ground surface(s) for the entire area(s) consisting of ground-classified LiDAR data, break lines, and mass points/spot elevations will be furnished in MicroStation *.DTM and ASCII formats, suitable for use in MicroStation/InRoads V8i software.
5. The modeled ground surfaces (*.DTM files) and the aerial mapping (*.dgn files) will be projected at ground. All combination factors used in projecting tiled surfaces and mapping will be clearly identified in an appropriate index.
6. The full LiDAR data set (ground and unclassified categories) in both LAS 1.2 format and PTS format.

All deliverables will be submitted to the Idaho Transportation Department on portable hard drive(s), which will become the property of ITD.

The Consultant shall continue ongoing support and management of the point clouds for a period of three years.

The Consultant will be required to file coordinates to the Idaho Multi Control Point Database. Also all collected LiDAR will be required to be uploaded onto the Idaho LiDAR Consortium Website.

With the exception of ongoing support, work under this agreement is expected to be completed by December 31, 2017.