

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE	PAGE 1 OF PAGES 1
2. AMENDMENT/MODIFICATION NO. Amendment 0001		3. EFFECTIVE DATE 11/25/2015	4. REQUISITION/PURCHASE REQ. NO. n/a	5. PROJECT NO. (If applicable)	
6. ISSUED BY Department of Transportation Federal Highway Administration - WFLHD 610 East Fifth Street Vancouver, WA 98661		CODE	7. ADMINISTERED BY (If other than Item 6)		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)			(✓)	9A. AMENDMENT OF SOLICITATION NO. DTFH7016Q00002	
			✓	9B. DATED (SEE ITEM 11) 11/18/2015	
				10A. MODIFICATION OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(✓)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Amendment 0001 Makes Clarifications to Work Schedule and Traffic Control Required

This amendment adds additional information for traffic control required on the project, and makes changes to the approved schedule for drilling. See attached pages for changed requirements indicated in track changes.

The RFQ is extended until 12/07/2015, 2:00 PM Pacific Time

In consideration of the modification agreed to herein as complete equitable adjustments for the changes detailed herein, the contractor hereby releases the government from any and all liability under this contract attributable to the facts or circumstances giving rise to, arising from, or relating to, this modification.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
		N/A	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY (Signature of Contracting Officer)	

### **Subgrade Borings**

Perform subsurface geotechnical subgrade borings by using a large diameter earth auger bit with an O.D. of ~14 inches, and the capability to drill 5 feet below the ground surface. Replacement auger teeth, sample bags, hand excavation equipment (rock hammer, shovel, posthole digger, asphalt patch) and tamper shall be supplied by the Contractor.

Sampling shall begin by carefully augering and collecting each pavement section material, including surface course, base course, subbase course, and subgrade soils. Carefully loosen each material with auger so as not to mix individual, distinct layers. Pilot holes may be necessary or digging/collecting with hand tools may be necessary to prevent mixing of materials.

After breaking through the surface and base material, collect a moisture sample from 0 to 6 inches. Collect additional moisture samples from the 2 foot level and at the 5 foot level in addition to the bulk samples to be described below.

Sample each distinct strata encountered as determined by the Field Inspector to a maximum depth of 5 feet or to auger refusal. Obtain 100 pound samples (2 bags) in sand, silt and clay. Obtain 150 pound samples (3 bags) in predominantly gravel or cobble materials. Sample weight shall not exceed 70 pounds per bag.

### **Test Pits**

Furnish a 200-series excavator and operator (i.e., 20- to 30-metric ton weight class) with rock ripping teeth capable of reaching approximately 25 feet above the road surface. Furnish a dump truck for disposal of excavated material off-site. Excavate the test pits from the top of slope down as directed by the WFLHD Field Inspector to evaluate rippability of bedrock and log the soil and rock conditions. The test pit should be no more than 4 feet in width and approximately 2 to 4 feet in depth into the face. Haul off excavated material to one of the approved waste sites (also shown in the attached Waste Sites Map);

- Dovre Peak Quarry (T3S,R7W, section 16)
- Grassy Flat Quarry (T3S,R6W, section 17)
- Eastline Quarry (T4S,R7W, section 1)
- Clarence Creek Waste Site (T3S,R8W, section 13)

Spread, seed, and mulch as directed by BLM. Restore ditch to previous condition (i.e., remove excavated materials and slough). Do not excavate below the level of the road in areas adjacent to buried utilities.

### **A. Access - Subgrade and AOP borings**

These borings will be accessible with a truck-mounted drill. All test boring locations are shown on the attached Proposed Geotechnical Exploration Plans. Final locations may deviate from the planned location depending on surface or access conditions at the time of drilling at the discretion of the WFLHD Field Inspector.

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## **B. Access – Steep Downhill Slopes**

A total of 7 borings are required at proposed wall locations in steep slope areas on the order of 1V:1H in inclination, which may vary. All drill locations are shown on the attached Proposed Geotechnical Exploration Plans. Guardrails are in some exploration locations, as indicated on the plans. Use a portable drill capable of meeting the drilling requirements to access the boring locations, using a crane or lift if necessary. Assume the boring location will be a maximum 10-foot horizontal distance from the edge of the existing road. Construct temporary platforms as necessary. Minor slope benching up to 4 feet in excavation depth is allowed, but restoration of the original slope angle is required. Refer to the comments in the Table of Borings and the Proposed Geotechnical Exploration Plans for more site specific information. Photos of typical steep slope areas are provided in the attached Supplemental Photo Exhibit.

## **C. Access – Elk Creek Bridge Site**

A total of 2 drill holes are required - one at each abutment. The planned abutment locations are in the center of the roadway near the ends of the existing bridge with cobbles, boulders, and bedrock visible in the stream banks. The bridge will be closed to traffic for up to 3 days. Construction of temporary drilling platforms may also be necessary. It may be feasible to obtain a permit to withdraw water from Elk Creek for drilling purposes (*See Section G for Drill Water information*). Photos of the bridge boring access areas are provided in the attached Supplemental Photo Exhibit.

## **D. Access – Cut Slope Test Pit Areas**

A total of 14 test pits are planned in proposed cut slope areas, which can all be accessed along the road with proper flagging and temporary road closures (see **Traffic Control**). A fiber optic line is known to be located along the road shoulder – no digging will be performed below the level of the roadway in these areas. A representative photo of a cut area is shown in the attached Supplemental Photo Exhibit.

## **E. Pre-Drill Meeting**

Hold a pre-drill meeting on site with the WFLHD Field Inspector contact prior to starting drilling. At the pre-drill meeting the WFLHD contact will review all boring locations on site with the Contractor. At that time boring locations may be modified slightly based on site conditions and to address safety hazards. The borings should be drilled as close to the marked locations as possible. Do not offset boring locations more than 5 feet from the locations staked during the pre-drill meeting. Coordinate the pre-drill meeting at least 1 week prior to the proposed meeting date.

A copy of the environmental document will be provided at the pre-drill meeting. This document must be kept at the drilling site during all operations. A copy of these documents must also be kept at the drilling site during all operations.

## **F. Utility Locate**

A utility locate is necessary for this drill project at all locations. Complete a utility locate request using 811 or a local locate access number if available.

## **G. Water for Drilling**

Mud rotary, rotary wash, coring and casing advancer methods may use water or air to advance the hole. Identify and obtain permission for water draws. The BLM will provide water from a garden hose sized spigot at the Cedar Creek shop located at T3S R6W Section 7. The Contractor may also apply for a water draw permit from the river/creek using the following form available online, although permission may not be granted especially during fish spawning season:

[http://www.oregon.gov/owrd/pubs/docs/forms/limited\\_license\\_appl.pdf](http://www.oregon.gov/owrd/pubs/docs/forms/limited_license_appl.pdf)

Submit the water draw application to the watermaster, allowing 2-3 weeks for review:

Nikki Hendricks  
Watermaster, Dist. 1  
Oregon Water Resources Department  
4000 Blimp Blvd. Suite 400  
Tillamook, OR 97141  
Phone: 503-815-1967  
Fax: 503-815-1968  
Email: [Nikki.M.Hendricks@state.or.us](mailto:Nikki.M.Hendricks@state.or.us)

## **H. Traffic Control**

The Contractor is responsible for arranging traffic control. Furnish and coordinate traffic control to safely unload/load equipment along the road and for all borings located within the travelway of the road. Furnish and coordinate traffic control for test pit operations. Comply with the MUTCD Part 6 for all traffic control signs, devices, and activities.

Submit a Traffic Control Plan (TCP) to the COR at least 10 days prior to the start of any work that will require road closures or restrictions with traffic control. Due to the remote location, Include detour signs at the main highway(s) turnoffs warning people well in advance of work/closures at least 3 days before full day closures. The bridge borings are allowed three 3 days of bridge closures; otherwise, the route shall remain passable with temporary traffic delays up to 20 minutes. Test pit activities are expected to require temporary closures during digging due to the swing radius of the large excavator and/or rockfalls. Flaggers shall be on-site during temporary closures and -when one-way traffic is required around a work area / vehicle parking / staging area. Signage and delineation of work area / vehicle parking / staging areas are required at all times.

The TCP will be submitted by the COR to the BLM for review and approval. Allow 5 days for review and approval. TCP layouts can be printed from the 2009 MUTCD and must include the following information:

- Locations of road closures and restrictions and detour signs
- Start and finish dates for road closures and restrictions, and detour sign erection
- Start and finish times of road closures and restrictions
- Name of traffic control subcontractor
- Length of road closure or restriction (work zone length)
- Sign spacing and type
- Type of delineators used for tapers

### **I. Environmental Protection**

Comply with all State, federal, and local ordinances, laws, and regulations concerning environmental protection at all work locations. Take precautions necessary to minimize environmental impacts during site investigation, and to make all required efforts to restore the site to its original condition. Dispose of all drilling fluids and cuttings in a safe and legal manner. Do not allow sediment-laden water, or other pollutants, to enter streams or other bodies of water. In the event that pollutants could enter streams or other bodies of water, all operations will be suspended until the situation can be rectified. Provide a Spill Prevention, Control and Countermeasure Plan (SPCC) and Spill Containment Kit, including specific prevention measures if refueling equipment within 150 feet of waterways. Provide an Erosion Control Plan for boring locations.

Unless specifically authorized, do not:

- Use water jetting;
- Release petroleum or other chemicals into the water, or where they may eventually enter the water;
- Disturb spawning beds or other wildlife habitat;
- Obstruct streams;
- Cause silting or sedimentation of water;
- Use chemically treated timbers or platforms; and
- Impede fish passage.

## **J. Hole Reports, Abandonment, Erosion Control, BMPs and Site Restoration**

All borings must be backfilled in accordance with State of Oregon Water Resources Department (OWRD) regulations upon completion of the work. Patch borings made in road areas with crushed rock or gravel. Dispose of drill cuttings in a safe and legal manner. Backfill test pits upon completion with the native material removed during the excavation process, if feasible, or haul away excess material to the Waste Sites listed above. Make every effort to compact the test pit backfill in lifts using the excavator bucket, where backfilling is feasible. Grade disturbed drill and test pit sites and pads shall be graded to match existing site conditions and to control drainage.

Furnish and apply native seed mix and mulch in ground disturbed areas and waste areas as specified by BLM. The seed mix is Blue Wild Rye (*Elymus glaucus*) with genetic material for the Coast Range. One available source is Pacific Northwest Natives, contact Craig Edminster 541-928-8239. Straw / mulch must be certified weed free.

## **K. WFLHD Contact Information**

The main WFLHD COR for this project is Geotechnical Engineer Eric Lim. If Eric Lim is not available you can contact WFLHD Geotechnical Team Lead Malcolm Ulrich.

Eric Lim

Office phone 360-619-7826

Cell phone 503-593-8567

Email [Eric.Lim@dot.gov](mailto:Eric.Lim@dot.gov)

Malcolm Ulrich

Office phone 360-619-7816

Cell Phone 360-607-4503

email [Malcolm.Ulrich@dot.gov](mailto:Malcolm.Ulrich@dot.gov)

## **III. DELIVERABLES**

Provide daily reports that include all pertinent line item quantities for payment for each day. Give each day's report to the WFLHD Field Inspector within 48 hours of the day reported.

If requested, ship all disturbed (SPT and bulk soil samples) and core samples within 2 weeks of completion of drilling to:

Attn: Eric Lim  
WFLHD  
610 East 5<sup>th</sup> St.  
Vancouver, WA 98661

#### **IV. SCHEDULE**

Provide the COR with the proposed schedule within 1 week of award, allowing the BLM time to provide a press release for closure of the bridge area or other road closures. Earliest start date for drilling is December ~~7<sup>th</sup>~~14, 2015. All drill holes must be completed by ~~January 28~~February 5, 2016, or as negotiated at the time of award.

The drill crews will work 5 days on and 2 days off, ~~-or as agreed to by the CO~~10 days on and 4 days off.

#### **V. ATTACHMENTS**

Table of Borings

Vicinity Map

Proposed Geotechnical Exploration Plans

Waste Sites Map