



Fivemile-Bell Landscape Restoration Project 2020

Valley-Bottom Bid Solicitation for Phase 5

**This Project is part of a Large-Scale
Siuslaw Basin Collaborative Effort**

Partners include:

The Siuslaw National Forest

Siuslaw Watershed Council

**Confederated Tribes of the Coos,
Lower Umpqua, and Siuslaw Indians**

The Siuslaw Institute

Private Contractors

and Citizen Volunteers

BID SOLICITATION for Valley-Bottom Restoration

Offered by: The Siuslaw Institute, Inc.

Work to be performed in the Fivemile-Bell sub-basin as part of Phase 5 of the Landscape Restoration Project affecting US Forest Service land and waters.

To be carried out during work period beginning in August ending in Sept. 2020

Move in on 6th of August, start work on 7th.

This Phase of the overall Project shall consist of valley floor re-grading, soil and sod spoils removal and stockpiling at multiple locations within the Project area, stream channel creation and reconstruction, old channel filling, and wood placement to be determined as the re-grading work proceeds. See attached Project description.

Bid to be based on hourly rates for all Equipment/Operators to be used, and any associated costs, such as move in.

Successful bid will be determined by Best Value: including experience and capacity, cost, type and condition of available equipment, and consideration of local employment. References may be requested. Upon award, Contractor will provide evidence of "Independent Contractor" status for purposes of complying with Oregon Worker's Compensation Law and will assume sole legal responsibility for fulfilling those requirements. In addition, Contractor will provide evidence of their Commercial and/or Professional Liability coverage and carry their own Equipment Insurance for the duration of the contract. Since public funds are being used, Oregon's Prevailing Wage Rate law must be observed.

All activities performed under this contract will be supervised by the US Forest Service's Project Manager and its technicians. Work will be inspected and administered by the Coordinator of the Siuslaw Institute. A pre-bid on-site visit, and explanation of scope and location of this work is available by contacting Paul Burns, Project Manager (USFS) @ phone# 1(541)991-6554.

Bids shall be submitted to the Siuslaw Institute by e-mail or standard mail and must include list of equipment and all hourly and associated costs. Closing for this offering, May 15, 2020. For further information: contact Johnny Sundstrom at:

1+(541)964-5901 or siwash@pioneer.net

Scope of Work - Fivemile and Bell Creek Restoration, Phase 5

Phase 5 of Fivemile and Bell Creek restoration will primarily occur from just below the confluence of Fivemile and Bell Creeks to $\frac{3}{4}$ mile up Bell creek from the confluence. The floodplain will be scraped and graded, the existing channel filled, new smaller sinuous channels created, and large wood will be added to the floodplain. All work will be accomplished by contractors working closely with Forest Service technical advisors. 100% of project work will be inspected. This again will be an equipment rental contract for time and equipment, and operators. We need to have equipment descriptions and hourly rates with mobilization costs. All equipment will need to be cleaned and without leaks prior to entering project area and all equipment will be inspected

Vegetation Removal

Removal of the vegetation from about 5 acres of the valley bottom. In areas dominated by grasses, remove the sod layer and enough soil to remove most of the roots. In areas with blackberries, remove the vines just below the ground surface with minimal soil disturbance. The vegetation will be stored in piles that are adjacent to the stream or at other selected nearby sites then disposed of in the bottom of the existing ditched stream channel that will be filled.

Floodplain Grading

High areas in the valley bottom will be graded to design elevations. This grading will be in addition to removing the vegetation. About 5 acres will need to be graded. The total amount of material generated from scraping and grading will be about 16,000 cubic yards. Material generated from scraping will be stored adjacent to the scraped vegetation and will cap the vegetation placed in the old channel. Material in excess of channel fill in upper Bell Creek will be trucked downstream.

Channel Fill

The existing channel will be filled with the material scraped from the floodplain and capped with clean soil graded from the floodplain. The channel is about 1,000 feet long, 20 feet wide, and 6 to 8 feet deep. It will take about 4,000 cubic yards of material to fill. The fill material will need to be compacted as it is placed in the channel. If compacting the fill results in a shortage of fill material, additional fill is available in the Project's work area. Channel plugs of soil will be needed to facilitate fish relocation and will be placed as directed by USFS personnel with the excavators.

Additionally, approximately 750 ft (5 – 150 ft sections) of channel will be filled in Fivemile Creek just below the confluence with Bell Creek. Channel plugs will be created to at least floodplain height. Areas will be de-watered and fish will be relocated by FS/SWC personnel prior to filling. Trucks will need to stay on designated routes. Channel plugs of soil will be needed to facilitate fish relocation and will be placed as directed by USFS personnel with the excavators.

Large Wood Placement

After all the floodplain and channel work is complete the trees will be placed in groupings of 3 to 5 at designated sites across the valley bottom to disrupt water flow and create depositional environments. The trees will be arranged in a variety of configurations with some partially buried, some stabbed into the ground, and others placed on the ground. Approximately 60 trees are stockpiled for Phase 5.

Excess Soil Disposal and Road Decommission

Approximately 1 mile of valley bottom road and 2 miles of cat road will be decommissioned. Excess soil from Phase 5 regrade will be placed on the inside of the roadbed and blended into the hillside of the valley bottom road. Approximately 5 feet of width on the outside of the road will be left intact to facilitate UTV/ATV access for riparian work after completion of this phase of regrade. The 2 miles of cat road to be decommissioned is

adjacent to Phase 3 restoration area. Identified mid-slope roads will be bucket ripped and recontoured to the extent practical and trees/brush growing on the roads will be spread across the ripped areas to reduce erosion potential. Some intermittent stream crossings will need material to be pulled back and placed in stable locations. Any culverts or older logging residue will be hauled to the valley floor for disposal.

Dip removal and Placement

One hardened dip that was installed just below Harry Creek Bridge will be removed and the current stream channel that was constructed will be filled. Approximately 30 cu. yds of material will be needed and 1 load (10cu. yds) of 2inch minus rock from approved sources will be required. One dip will be constructed in Phase 3 adjacent to cat road decommission site. 20 cu. yds of 2 inch minus rock will be needed at this site.

Exhibit B Technical Proposal: Fvemile-Bell Phase 5 work items/schedule:

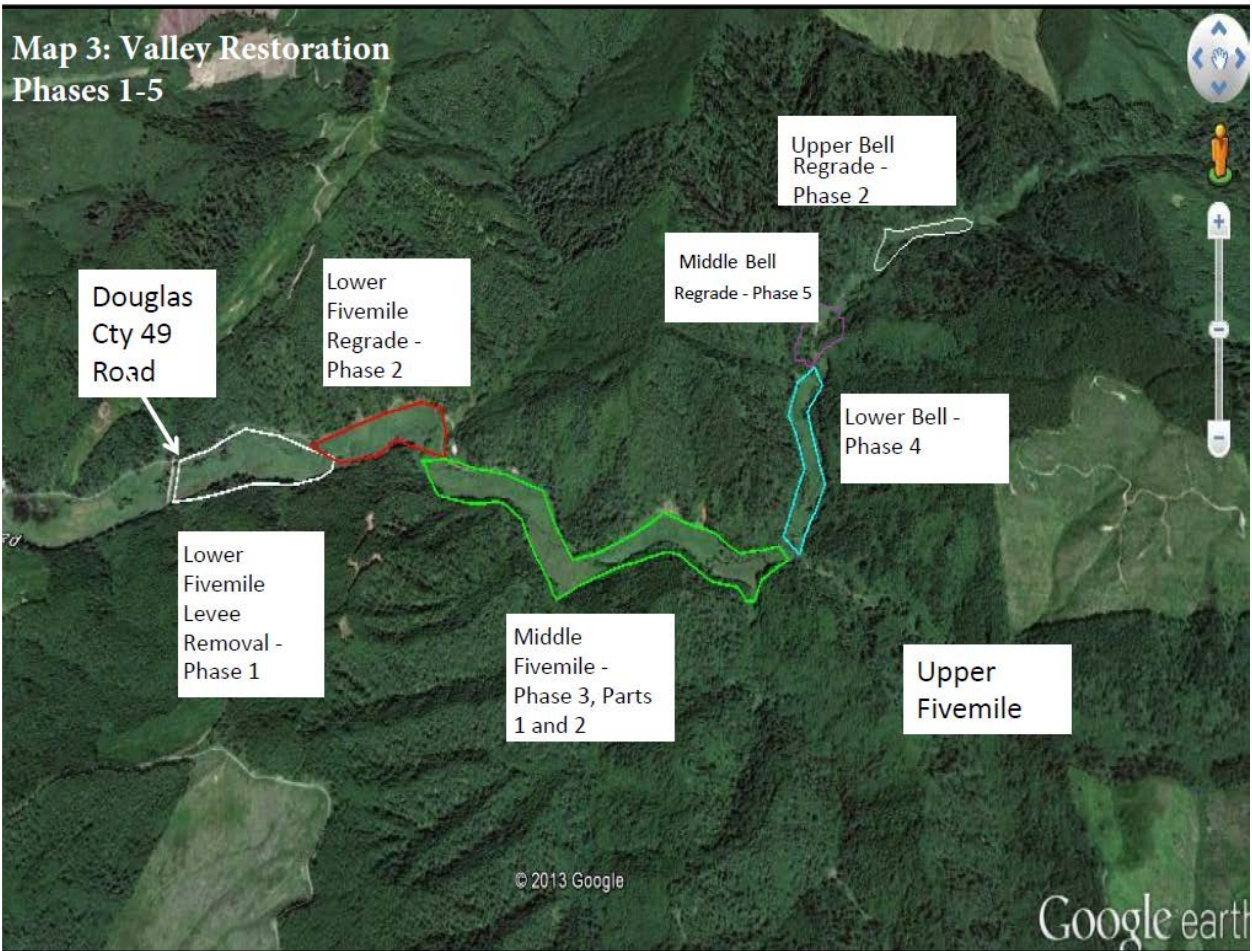
August • Move in 6th and begin work on 7th.

- Begin regrading and vegetation removal on upstream end of Phase 5 work to meet design elevation specs. Construct plug and water control devices. Pump around regrade area.
- USFS Remove aquatic organisms from channel fill locations.
- Regrade upper half, bury and place wood, dig pools. Leave S.Maple Island. Some fill for plugs in Phase 5 and some fill to be hauled to between Phase 3 and 4 for channel fill there, dependent on onsite conditions, to be determined as work progresses.
- Restage wood for lower half Phase 5 regrade, then regrade lower section using some fill for plugs in channel and the rest stockpiled for road decom.

September • Decom main road from confluence of Fivemile and Bell, leaving enough space for utv passage on outside edge. Decompact road-bed, pull back rock, reconnect tribs, scatter and place wood.

- Decom identified 2 miles cat roads along Fivemile valley
- Remove fill material in tributary adjacent to mid-phase 3 to reconnect tributary. Install hardened dip
- Fill in tributary channel constructed in Phase 2 downstream of Harry Creek. Remove dip. Replace road fill. Encourage water to flow across alluvial fan.

**Map 3: Valley Restoration
Phases 1-5**



Douglas
Cty 49
Road

Lower
Fivemile
Regrade -
Phase 2

Upper Bell
Regrade -
Phase 2

Middle Bell
Regrade - Phase 5

Lower Bell -
Phase 4

Lower
Fivemile
Levee
Removal -
Phase 1

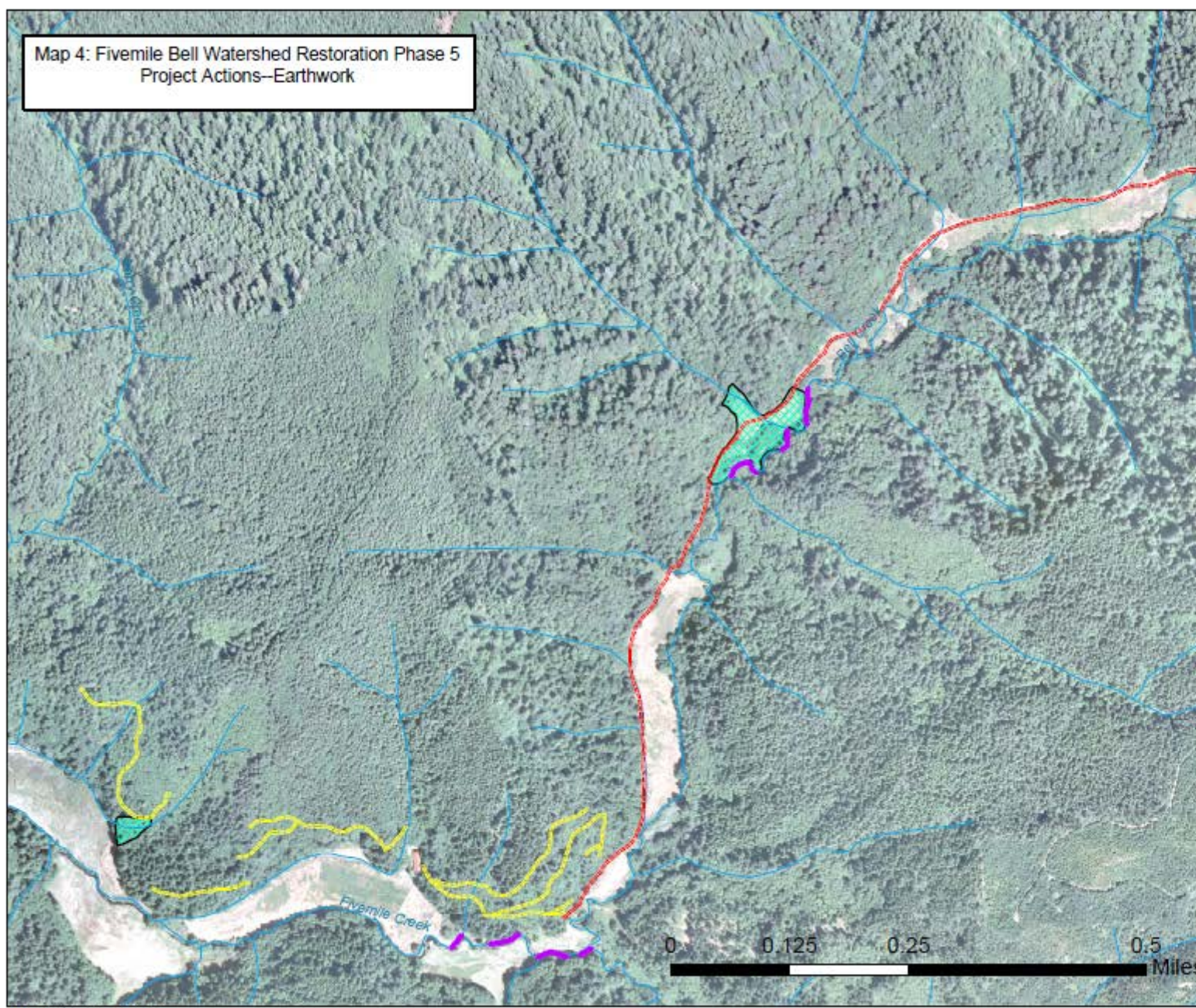
Middle
Fivemile -
Phase 3, Parts
1 and 2

Upper
Fivemile

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Map 4: Fivemile Bell Watershed Restoration Phase 5
Project Actions—Earthwork



Map created April 11, 2019