

Jefferson County
Board of Commissioners
Agenda Request

To: Board of Commissioners
Philip Morley, County Administrator

From: Frank Gifford, Public Works Director *MMW (for)*

Agenda Date: December 13, 2010

Subject: Supplemental Agreement for Consultant Services with Tetra Tech, Inc. for Upper Hoh Road Culvert Replacements:
Upper Hoh Rd. MP 4.0, Fed. Aid No. ER-0701(051)
Upper Hoh Rd. MP 7.7-8.0, Fed Aid No. ER-0801(025)
Upper Hoh Rd. MP 9.7, Fed. Aid No. ER-0902(340)

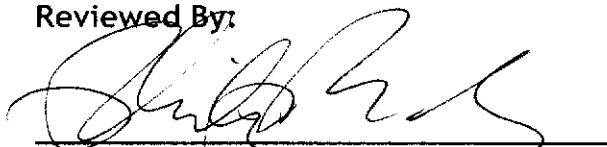
Statement of Issue: Public Works staff requests a supplement to the agreement with Tetra Tech, Inc. for Upper Hoh Road Culvert Replacements, executed on January 19, 2010. This supplement is for a modification to the scope of work, budget, and time for completion.

Analysis/Strategic Goals/Pro's & Con's: This supplement is for modifying the existing scope of work to include additional analysis of the box culvert option at Alder Creek Tributary, and also to extend the time for completion from January 31, 2011 to December 31, 2011. Culvert replacements that were originally planned for construction in 2011 have been shifted to 2012 construction in order to avoid conflicts with other Upper Hoh Road projects. As a result, and due to long permitting processes, these projects will not be completed by the current time for completion of January 31, 2011.

Fiscal Impact/Cost Benefit Analysis: The maximum amount payable under this contract will be increased from \$428,801 to \$451,555 to accommodate required additional analysis. This work is funded at 86.5% by the Federal Highway Administration and 13.5% by the County Road Fund.

Recommendation: The Board is requested to execute the Supplemental Agreement with Tetra Tech, Inc., and return to Public Works.

Reviewed By:


Philip Morley, County Administrator

12/9/10
Date

SUPPLEMENTAL AGREEMENT NUMBER 1	CONSULTANT ADDRESS/TELEPHONE: Tetra Tech, Inc. 1420 Fifth Avenue, Suite 600 Seattle, WA 98101-2357 Phone: (260) 883-9300
AGREEMENT NUMBER: Tetra Tech – Upper Hoh Road	
PROJECT NUMBER: XO1736, XO1781, and XO1821	NEW MAXIMUM AMOUNT PAYABLE: \$451,555.00
PROJECT TITLE: Upper Hoh Road Culvert Replacements	NEW COMPLETION DATE: December 31, 2011

The County of Jefferson, State of Washington, desires to supplement the agreement entered into with Tetra Tech, Inc. and executed on January 19, 2010 and identified as:

Tetra Tech – Upper Hoh Road

All provisions in the basic agreement remain in effect except as expressly modified by this supplement.

The changes to the agreement are described as follows:

I

Section II, SCOPE OF WORK, shall be amended as set forth in the attached Exhibit A – Alder Creek Tributary, and by this reference made a part of this supplement.

II

Section IV, TIME FOR BEGINNING AND COMPLETION, is amended to change the date for completion of the work to read:

This contract will expire on December 31, 2011

III

Section V, PAYMENT, shall be amended as follows:

For Alder Creek Tributary, the maximum amount payable under this agreement as supplemented inclusive of all fees and other costs is now **\$161,250.00**. There will be no change to the maximum amount payable for Dismal Creek and Spruce Creek.

The new, total, maximum amount payable under this agreement as supplemented inclusive of all fees and other costs is now **\$451,555.00**.

The original, and new maximum amounts payable are summarized below:

Site	Original Maximum Amount Payable	Supplement	New Maximum Amount Payable
Alder Creek Tributary	\$138,496.00	\$22,754.00	\$161,250.00
Dismal Creek	\$132,327.00	\$0.00	\$132,327.00
Spruce Creek	\$157,978.00	\$0.00	\$157,978.00
Total	\$428,801.00	\$22,754.00	\$451,555.00

If you concur in this supplement and agree to the changes as stated above, please sign in the appropriate spaces below and return to this office for final action.

TETRA TECH, INC.
Consultant

Tony Malone
Consultant's Signature

12/1/10
Date

COUNTY OF JEFFERSON
BOARD OF COMMISSIONERS

David W. Sullivan, Chairman

Phil Johnson, Member

John Austin, Member

Approved as to form only this 12th
day of NOVEMBER, 2010.

David Chang
Prosecuting Attorney

[Signature] (for)
Frank Gifford
Public Works Director

EXHIBIT A

Scope of Work Upper Hoh Road Culvert Replacements: Alder Creek Tributary, Upper Hoh Rd. MP 2.15 Re-evaluation of Box Culvert Option October 7, 2010

This describes the additional scope of work to re-evaluate the box culvert option for Alder Creek so see if WDFW will approve a shorter span box than proposed in the final design Report dated June 2010.

DURATION

This effort is budgeted for taking approx one month including initial coordination with WDFW

TASKS

1. Briefly summarize the efforts to date to determine the replacement conveyance structure at Alder Creek.
2. Prepare a plan/profile sheet for a narrower box culvert showing how the grading works better with the existing topography than the standard WDFW width box culvert. This will include a typical cross section of the box culvert.
3. Evaluate the hydraulics of the box culvert via industry nomographs for headwater and velocity in the box at critical flows (25 yr and 100 yr). Review the previous scour depth analysis and make changes due to shorter span box.
4. Prepare preliminary cost estimate for the smaller box culvert
5. Summarize the above findings in a brief memo.
6. Review the memo with the County and incorporate comments.
7. Contact WDFW to coordinate consideration of the smaller box. One site visit is anticipated.
8. Prepare a revised plan/profile and section sheet to reflect WDFW decision. Send to WDFW to confirm.
9. Re-evaluate the north side of the road for the temporary bypass road.

