

Jefferson County  
Board of Commissioners  
Agenda Request

**To:** Board of Commissioners  
Philip Morley, County Administrator

**From:** Frank Gifford, Public Works Director *FG*

**Agenda Date:** August 5, 2013

**Subject:** Amendment No. 2 to the Federal Highway Administration (FHWA)  
Reimbursable Agreement  
Snow Creek Road Culvert Replacement, MP 3.78, Project No. CR1899  
FHWA Agreement No. DTFH70-11-E-00039

---

**Statement of Issue:** The attached Amendment with FHWA is necessary in order to proceed with construction of the Snow Creek Road Culvert Replacement project.

**Analysis/Strategic Goals/Pro's & Con's:** The culverts at Snow Creek Road Milepost 3.78 are failing and in need of replacement. In 2011, Public Works was awarded a grant for culvert replacement through the Federal Highway Administration (FHWA) Forest Highway Program. Preliminary engineering for this project is nearing completion. Amendment No. 2 to the funding agreement will provide the construction funding for installation of a 24-ft. span, three-sided concrete box culvert.

**Fiscal Impact/Cost Benefit Analysis:** The current amount obligated under this grant is \$170,000. Amendment No. 2 will add \$452,200 for construction funding, bringing the total obligated amount to \$622,200. This project is funded at 100% by the Federal Highway Administration.

**Recommendation:** The Board is requested to sign the three originals of the Amendment and return all three originals to Public Works. After the Amendment has been executed by FHWA, an original will be returned to the Board.

**Department Contact:** Mark Thurston, P.E., Project Manager, 385-9160.

**Reviewed By:**

  
Philip Morley, County Administrator

\_\_\_\_\_  
Date

U.S. DEPARTMENT OF TRANSPORTATION  
 FEDERAL HIGHWAY ADMINISTRATION  
 REIMBURSABLE AGREEMENT

AGREEMENT No.  
**DTFH70-11-E-00039**  
**Amendment No. 2**

PARTIES TO THE AGREEMENT

a. REIMBURSING ORGANIZATION	b. ORGANIZATION TO BE REIMBURSED
Federal Highway Administration Western Federal Lands Highway Division 610 East Fifth Street Vancouver, WA 98661-3893	Jefferson County Public Works 623 Sheridan Street Port Townsend, WA 98368
a.1 APPROPRIATION CHARGEABLE 1517530430001 531.CE.G200.53 1753000000 25304 \$58,100 1517530430001 531.CN.G200.53 1753000000 25304 \$394,100	b.1 APPROPRIATION REIMBURSED
c. EFFECTIVE DATE:  Original: August 09, 2011 Amend No. 1: January 4, 2013 Amend No. 2: When Fully Executed	d. AMOUNT:  \$ 115,000.00 Original \$ 55,000.00 Amend No. 1 \$ 452,200.00 Amend No. 2 \$ 622,200.00 Amended Total

**Agreement Information: WA PFH 43(1), Snow Creek Road Project**

The purpose of this Amendment is to add funds for the Construction and Construction Administration activities for the above referenced project.

- Cover Page, Block 5. FUND AMOUNT:** The Agreement is hereby increased by \$452,200.00 from \$170,000.00 to amended total of **\$622,200.00** as stated in H. Cost Budget and by reason of this amendment, as shown by Attachment I, Cost Estimates.
- FHWA will reimburse Jefferson County for all eligible costs incurred under this Agreement. The current estimated cost of the work described in this Agreement is \$622,200.00. In no case shall the FHWA and the County exceed this amount without a mutually agreed upon modification of this Agreement.
- ALL OTHER PROVISIONS OF THE ORIGINAL AGREEMENT REMAIN THE SAME.

AUTHORIZED APPROVALS

a.3 REIMBURSING ORGANIZATION	b.3 ORGANIZATION TO BE REIMBURSED
SIGNATURE DATE	SIGNATURE DATE
<i>Marlene M. Marcellay</i> 7/11/13	
TITLE Marlene M. Marcellay, Contracting Officer Western Federal Lands Highway Division	TITLE Jefferson County

**Approved as to form only**  
*David Alvarez* 7/24/13  
 Jefferson Co. Prosecutor's Office  
 David Alvarez, Chief Civil DPA

<b>Alternate 1a: Precast Reinforced Concrete Three Sided Box with Precast Pedestal Footings</b>					
ITEM No	ITEM	APPROX. QUANTITY		UNIT PRICE	TOTAL
<b>PREPARATION</b>					
1	MOBILIZATION	1		L.S.	\$29,852
2	EROSION / WATER POLLUTION CONTROL	1		L.S.	\$10,000
3	CLEARING & GRUBBING	1		L.S.	\$10,000
4	STRUCTURE EXCAVATION CLASS A, INCL. HAUL	403	c.y.	\$45.00	\$18,135
5	STRUCTURE EXCAVATION CLASS B, INCL. HAUL	396	c.y.	\$15.00	\$5,940
6	SHORING & CRIBBING OR EXTRA EXCAVATION CLASS A	1		L.S.	\$10,000
7	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1		L.S.	\$5,000
<b>EARTHWORK</b>					
8	CRUSHED SURFACING BASE COURSE (CULVERT FOOTING)	34	tons	\$25.00	\$850
9	GRAVEL BORROW INCL. HAUL	177	c.y.	\$35.00	\$6,195
<b>SURFACING</b>					
10	CRUSHED SURFACING TOP COURSE (ROADWAY)	67	tons	\$65.00	\$4,355
11	GRAVEL BASE	134	tons	\$35.00	\$4,690
<b>STRUCTURE</b>					
12	PRECAST REINF. CONC. THREE SIDED STRUCTURE	1	ea	\$104,000.00	\$104,000
13	THREE SIDED BOX INSTALLATION	1	ea	\$20,500.00	\$20,500
<b>MISC.</b>					
14	SEEDING-REVEGETATION AND MISCELLANOUS WORK	1		F.A.	\$5,000
15	STREAM BED GRAVEL WITH BOULDERS	177	c.y.	\$150.00	\$26,550
16	LIGHT LOOSE RIPRAP	12	Tons	\$65.00	\$780
17	BRIDGE RAILING TYPE OREGON SIDE MOUNT	76	l.f.	\$150.00	\$11,400
18	APPROACH GUARDRAIL	1		L.S.	\$10,000
19	TEMPORARY TRAFFIC CONTROL	1		L.S.	\$5,000
20	SILT FENCE	325	l.f.	\$5.00	\$1,625
21	TEMPORARY STREAM FLOW BYPASS SYSTEM	1		L.S.	\$15,000
22	PROJECT SURVEYING	1		L.S.	\$3,000
23	SPCC PLAN	1		L.S.	\$500
24	LOG GRADE CONTROL	1		L.S.	\$10,000
25	HABITAT LOG	4	ea	\$2,500.00	\$10,000
TOTAL: DOLLARS					\$328,372
Contingency @ 20%					\$65,674
<b>CONSTRUCTION COSTS SUBTOTAL</b>					<b>\$394,046</b>
Construction Engineering @ 15%					\$59,107
<b>CONTRACT COSTS TOTAL (Rounded)</b>					<b>\$454,000</b>
Date Estimate Prepared:		July. 6, 2012			

<b>Preliminary Engineering Estimate</b>				
Snow Creek Road Culvert Replacement				
Snow Creek Road milepost 3.78				
Date Prepared: 7/18/12				
Prepared by: Mark Thurston				
<b>Note: This is an estimate of all costs from project inception until award of the construction contract. It is assumed that after contract award, construction funds would be applied, which are estimated separately.</b>				
ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
<b>Actual expenditures -- 9/1/2011 through 6/15/2012:</b>				
<u>Jefferson County staff:</u>				
Consultant management and general project management				\$11,012.54
<u>Consultant:</u>				
Standard Consultant Agreement No. 1: Type, Size, and Location Study (includes Topographical Survey, Geotechnical Investigation, Hydraulic Analysis)				\$49,516.67
<b>Subtotal of Actual expenditures</b>				<b>\$60,529.21</b>
<b>Estimated remaining expenditures -- 6/15/12 through 3/31/14 (anticipated contract award date):</b>				
<u>Jefferson County staff:</u>				
General project management	120	hour	\$57.00	\$6,840.00
Set-up Consultant Agreement, Consultant management	120	hour	\$57.00	\$6,840.00
Assembly of boiler plate bid documents	60	hour	\$57.00	\$3,420.00
Contract advertisement and award	120	hour	\$57.00	\$6,840.00
Subtotal				\$23,940.00
<u>Consultant:</u>				
Standard Consultant Agreement No. 1: Type, Size, and Location Study (includes Topographical Survey, Geotechnical Investigation, Hydraulic Analysis)				\$8,725.33
<u>Standard Consultant Agreement No. 2: PS&amp;E and Environmental Services (see attached Compensation schedule for further breakdown of costs):</u>				
Project Management				\$6,013.00
PS&E				\$33,484.00
Environmental Services				\$37,934.00
Subtotal				\$77,431.00
<b>Subtotal of Estimated remaining expenditures</b>				<b>\$110,096.33</b>
<b>TOTAL (ACTUAL PLUS REMAINING EXPENDITURES)</b>				<b>\$170,625.54</b>

<b>Construction Engineering Estimate</b>	
Snow Creek Road Culvert Replacement	
Snow Creek Road milepost 3.78	
Date Prepared: 6/25/12	
Prepared by: Mark Thurston	
<b>ITEM</b>	<b>AMOUNT</b>
Salaries -- General project management (150 hours @ \$58/hr)	\$8,700.00
Salaries -- on-site construction inspection (350 hours @ \$58/hr)	\$20,300.00
Overtime (30 hours @ \$87/hr)	\$2,610.00
Benefits (included in Salaries)	\$0.00
Operating Supplies	\$100.00
Professional Services	\$25,000.00
Communications	\$300.00
Travel	\$1,000.00
<b>TOTAL</b>	<b>\$58,010.00</b>