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## MEMORANDUM

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**To:** Mayor McConnell and Members of the Assembly  
Jim Dinley, Municipal Administrator

**From:** Michael Harmon, Public Works Director *AM*  
Stephen L. Weatherman, P.E. Municipal Engineer *A*

**Reviewed:** Jay Sweeney, Finance Director *P*

**Date:** October 16, 2012

**Subject:** Utility Reimbursable Services Agreement for Halibut Point Road Upgrade  
Change Order #2

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**Background:**

The State of Alaska Department of Transportation and Public Facilities (DOTPF) are upgrading the portion of Halibut Point Road between the Roundabout to the end of the road near the Forest Service Campground. The upgrade includes several improvements requested by the City and Borough of Sitka (CBS) along with moving the water lines onto the new bridges to be constructed at Cascade Creek and No Name Creek. DOTPF has prepared a Utility Reimbursable Services Agreement to construct these facilities within the DOTPF right of way which was approved by the Assembly on September 11, 2012. Public Works is requesting approval to add more work to the agreement in order to better service future needs and address water valves prone to failure.

**Analysis:**

A change order is required because Public Works has identified additional improvements to be added to the work. These improvements include replacing bolts on existing valves to prevent valve failure such as the water valve failure on HPR last winter. Also included are replacement of existing undersized water and sewer services to existing and future users including the Benchlands. There are several valves that will be replaced and added to improve the functionality of the system.

**Fiscal Note:**

The project has a FY 11 Water Fund Capital Project allocation of \$300,000 and a FY 13 Water Fund Capital Project allocation of \$300,000. The revised total project has a budget of \$962,000 including design and engineering. To fund the total project budget we recommend transferring an additional \$72,000 from project 90652 UV Disinfection Feasibility Study to project 90673 HPR Water Improvements. Originally \$635,589 was allocated to the UV Disinfection Feasibility Study by CBS to begin the UV Disinfection project. The project is now fully funded by DEC loans and grants and we recognize that the CBS portion (\$635,589) can be utilized for other Water Enterprise fund projects.

The UV Disinfection project has funding from a FY 2011 \$2,500,000 loan and \$1,500,000 principal forgiveness, a FY 2012 Loan for \$2,550,000, a FY 2012 Grant for \$3,587,500 and a FY 2013 Grant for \$1,026,020 for a total of \$11,163,520. The current project budget is \$8,966,000. The loans will be used to pay for the required CBS match for the grants.

The project has FY 12 Waste Water Capital Project allocation of \$100,000 for the waste water improvements included in this change order to the RSA.

**Recommendation:**

**Transfer \$72,000 from 90652 UV Disinfection Feasibility Study to Project 90673 HPR Water Improvements. Approve the Utility Reimbursable Services Agreement Change Order #2 between DOT&PF and CBS for \$783,296 and direct the Administrator to execute the agreement.**

**STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES**

**UTILITY CHANGE ORDER**

Region: **Southeast**

Change Order No.: **2**

Project No.: **69351**

Utility work Order No.: **N/A**

**Sitka Halibut Point Road Pavement Rehabilitation  
RSA Sitka Water and Sewer Upgrade**

RSA No.: **3-67403-12-08**

Utility Reimbursable Services Agreement No. **3-67403-12-08** is hereby modified in the manner described below. This change document is supplemental to the above RSA, which is, by reference, made a part hereof. All terms, conditions, and provisions of the RSA, except as specifically modified herein, remain unchanged and in full force and effect.

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Acceptance of this Change/Work Order Constitutes agreement to the terms, conditions, and prices stated:

ACCEPTED:

RECOMMENDED FOR APPROVAL:

City and Borough of Sitka

\_\_\_\_\_  
Regional Utilities Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
Utility Representative

APPROVED:

\_\_\_\_\_  
Title

\_\_\_\_\_  
Regional Preconstruction Engineer

\_\_\_\_\_  
Printed Name

Date: \_\_\_\_\_

Date: \_\_\_\_\_

NOTE: FHWA/FAA Approval Required:  
Yes \_\_\_ No X

**CONTINUATION SHEET FOR:  
UTILITY CHANGE ORDER NO. 2**

**DESCRIPTION AND REASON FOR CHANGE**

Utility Reimbursable Services Agreement No. 3-67403-12-08 between the City and Borough of Sitka and the Department for the Sitka Halibut Point Road Pavement Rehabilitation project is hereby modified as follows:

This change order is to document the additional work needed to repair the water facility located along and crossing Halibut Point Road. Exhibit A lists the location, type of work and engineer's estimate. Below is the summary of all associated costs for this work.

Change in costs for State Work for Utility	98,700	
Total State Work		98,700
Incidental Items		
Mobilization/Demobilization 640(1), (4)	10,038	
Erosion, Sediment and Pollution Control 641(1), (3), (4)	533	
Construction Survey 642(1)* [CO1 4228.45; CO2 937.65]	5,166	
Traffic Maintenance 643(2), (3), (15), (25)	4,609	
Total Incidental Items		20,346
Construction Engineering @ 15%	17,857	
Total CE		17,857
ICAP @ 4.79%	6,558	
Total ICAP		6,558
<b>TOTAL CHANGE IN CONSTRUCTION COSTS</b>		<b>143,461</b>

\*Construction Survey was not included previously in Change Order 1.

**REVISION TO EXHIBIT "A"**  
**SUMMARY OF ESTIMATE FOR ADJUSTMENT OF FACILITIES REQUIRED BY HIGHWAY CONSTRUCTION**

The City and Borough of Sitka estimate of work and materials required in connection with Project No.: 69351  
 Project Name: Halibut Point Road Rehab and Drainage Improvements RSA No.: 3-67403-12-08 Change Order No.: 2

	UTILITY COST NON-REIMBURS.	PREVIOUS CHANGE	NET CHANGE THIS DOCUMENT	TOTALS
<b>PART I. UTILITY WORK</b>				
57754-RIGHT OF WAY (Acquisition Only)				
Preliminary Engineering				0
Preliminary Engineering Overhead				0
<b>57718-TOTAL PRELIMINARY ENGINEERING</b>	0	0	0	0
Construction Engineering				0
Construction Engineering Overhead				0
<b>57325-TOTAL CONSTRUCTION ENGINEERING</b>	0	0	0	0
Construction Labor				0
Materials & Supplies				0
Material Handling Charges				0
Transportation & Equipment				0
Contract Construction				0
Miscellaneous Expenses				0
Construction Subtotal				0
Construction Overhead				0
<b>GROSS CONSTRUCTION COSTS</b>				0
Credits				0
Salvage & Scrap				0
Betterments				0
TOTAL CREDITS				0
<b>57324-NET CONSTRUCTION COSTS</b>				0
DOL/WD Fee				0
<b>TOTAL UTILITY WORK</b>	0	0	0	0
<b>PART II. STATE WORK FOR UTILITY</b>				0
Preliminary Engineering	20,000			20,000
Contract Construction		513,555	119,046	632,601
Construction Engineering @ 15%		77,033	17,857	94,890
ICAP @ 4.79%	958	28,289	6,558	35,805
<b>TOTAL STATE WORK FOR UTILITY</b>	20,958	618,877	143,461	783,296
<b>TOTAL EST. RELOCATION COSTS (Parts I &amp; II)</b>	20,958	618,877	143,461	783,296

UTILITY CONCURRENCE, BY: \_\_\_\_\_ SUBMITTED BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

25D-256B (12/95)

**Incidental Items  
Utility Reimbursable Service Agreement No.: 3-67403-12-08**

Project No.: 69351 / RSA 67403

Project Termini: Sitka Halibut Point Road Pavement Rehabilitation  
RSA Sitka Water and Sewer Upgrades

ITEM No.	Description	Quantity*	CO1 Price	CO2 Price
640(1)	Mobilization and Demobilization	8.97%	\$ 39,925	\$ 8,853
640(4)	Worker Meals and Lodging or Per Diem	1.20%	\$ 5,341	\$ 1,184
641(1)	Erosion and Pollution Control Administration	0.18%	\$ 801	\$ 178
641(3)	Temporary Erosion and Pollution Control	0.30%	\$ 1,335	\$ 296
641(4)	Temporary Erosion and Pollution Control Additive	0.06%	\$ 267	\$ 59
642(1)	Construction Surveying	0.95%	\$ 4,228	\$ 938
643(2)	Traffic Maintenance	1.20%	\$ 5,341	\$ 1,184
643(3)	Permanent Construction Signs	0.18%	\$ 801	\$ 178
643(15)	Flagging	2.09%	\$ 9,303	\$ 2,063
643(25)	Traffic Control	1.20%	\$ 5,341	\$ 1,184

\$ 16,118

PREPARED BY: \_\_\_\_\_

Date: \_\_\_\_\_

\*Quantity as a percentage of water and sewer relocation costs. The percentages will be adjusted through a change order to reflect actual bid amounts after the project is awarded. The percentage was obtained using the ratio of the item cost and total project costs.

**CBS HALIBUT POINT ROAD UTILITY ITEMS  
COST ESTIMATE 10/12/2012**

SHEET NUMBER	ROAD STATION	ITEM	QUANTITY	UNIT PRICE	ESTIMATED COST
F4 (U1)	55+10	Excavate valve for CBS Inspection and Repair	1	\$500	\$500
	58+85	Excavate valve for CBS Inspection and Repair	1	\$500	\$500
F5(U2)	71+85	8" Water Service Stub	65	\$70	\$4,550
	71+85	8" Gate Valve and Valve Box	1	\$1,800	\$1,800
F7(U3)	91+30	New Water Service	1	\$2,000	\$2,000
	91+50	New Sewer Service	1	\$1,500	\$1,500
F8(U4)	98+15	6" Water Line Stub	80	\$60	\$4,800
	98+15	6" Gate Valve and Valve Box	1	\$1,500	\$1,500
	98+45	6" Water Service Stub	80	\$60	\$4,800
	98+45	6" Gate Valve and Valve Box	1	\$1,500	\$1,500
	101+15	6" Water Service Stub	80	\$60	\$4,800
	101+15	6" Gate Valve and Valve Box	1	\$1,500	\$1,500
F9(U5)	108+10	6" Water Service Stub	55	\$60	\$3,300
	108+10	6" Gate Valve and Valve Box	1	\$1,500	\$1,500
	111+00	Remove Old Water Line, Valve and Thrust Block	1	\$5,000	\$5,000
F11(U6)	126+97 - 129+31	Cascade Creek Bridge Water Line Relocate	1	\$170,000	\$170,000
	129+40	Water Sampling Station	1	\$4,000	\$4,000
F12(U8)	139+60	1 1/2" Water Service to Restroom	1	\$2,500	\$2,500
F13(U9)	150+95	8" Sewer Service Connect to Manhole	1	\$2,000	\$2,000
	151+30	New Water Service	1	\$2,500	\$2,500
F16(U10)	184+45	8" Water service Stub	80	\$70	\$5,600
	184+45	8" Gate Valve and Valve Box	1	\$1,800	\$1,800
	186+55	8" Water Service Stub	80	\$70	\$5,600
	186+55	8" Gate Valve and Valve Box	1	\$1,800	\$1,800
F17(U11)	190+68 - 194+88	12" DIP Water Line (Includes \$10,000 extra for sheeting shoring and bracing)	420	\$90	\$47,800
	191+38	12" Gate Valve and Valve Box	1	\$3,000	\$3,000
	191+38	12" DIP Water Line	65	\$90	\$5,850
	191+26	Fire Hydrant Assembly	1	\$4,500	\$4,500
	191+80	8" PVC C-900 Sewer Line	50	\$70	\$3,500
	191+80	Sewer Manhole	1	\$5,000	\$5,000
	193+82	6" Gate Valve and Valve Box	1	\$1,500	\$1,500
	193+82	6" DIP Water Line	70	\$60	\$4,200
F19(U12)	212+00	New 12" Gate Valve and Valve Box	1	\$3,000	\$3,000
	213+55	8" Water Service Stub	80	\$70	\$5,600
	213+55	8" Gate Valve and Valve Box	1	\$1,800	\$1,800
	215+70	6" Gate Valve and Valve Box	1	\$1,500	\$1,500
	215+70	6" Water Service Stub	80	\$60	\$4,800
	215+70	3/4" Water Service	2	\$1,500	\$3,000
	215+70	2" Water Service Connect to 2" PVC	1	\$2,500	\$2,500
F21(U13)	232+10	8" Water Service Stub	80	\$70	\$5,600
	232+10	8" Gate Valve and Valve Box	1	\$1,800	\$1,800
	232+50	Replace Valve Box	1	\$500	\$500
F26(U14)	288+48	New 12" Gate Valve and Valve Box	1	\$3,000	\$3,000
F33&34 (U15&16)	364+85 - 367+45	No-Name Creek Water Bridge Water Line Locate	1	\$170,000	\$170,000

**COST ESTIMATE FOR CBS UTILITY ITEMS \$513,800**