

EVERETT CITY COUNCIL AGENDA ITEM COVER SHEET

PROJECT TITLE:

Supplemental Agreement No. 2 12/14/16 Briefing
of the Local Agency Standard _____ Proposed Action
Consultant Agreement with _____ Consent
KPF Consulting Engineers for 12/21/16 Action
the Grand Avenue Park Bridge _____ First Reading
Design _____ Second Reading
_____ Third Reading
_____ Public Hearing
_____ Budget Advisory

COUNCIL BILL # _____
Originating Department Public Works
Contact Person Heather Griffin
Phone Number (425) 257-7206
FOR AGENDA OF December 14, 2016

Initialed by:
Department Head _____
CAA _____
Council President _____

<u>Location</u>	<u>Preceding Action</u>	<u>Attachments</u>	<u>Department(s) Approval</u>
16 th Street from Grand Avenue to West Marine View Drive	12/3/2014 Approved Design Contract 3/23/2016 No Cost Time Extension	Supplemental Agreement No. 2	Public Works

Amount Budgeted	\$14,800,000.00	
Expenditure Required	\$287,915.91	Account Number(s):
Budget Remaining	\$12,390,791.35	WO 3588, Fund 336, Fund 303
Additional Required	-0-	

DETAILED SUMMARY STATEMENT:

The Sewer "M" Sewer System Project in Northwest Everett was designed to separate stormwater from the combined sewer system to address basement flooding. While some separated stormwater would be directed to the Water Pollution Control Facility for treatment, higher flows, especially during extreme events, would be directed to Puget Sound Outfall 3 (PSO3). The existing pipeline to PSO3 is failing along the steep slope west of Grand Avenue.

The utility bridge was chosen as the preferred option for crossing the steep slope, Burlington Northern Santa Fe right-of-way, and State Route 529 for multiple pipeline crossings. The utility bridge is being designed to accommodate four pipeline crossings as well as pedestrians.

KPF Consulting Engineers was selected to perform engineering design services based on their qualifications. This amendment covers the completion of design services for the bridge and the pipelines.

RECOMMENDATION:

Authorize the Mayor to sign Supplemental Agreement No. 2 of the Local Agency Standard Consultant Agreement with KPF Consulting Engineers for the Grand Avenue Park Bridge design in an amount not to exceed \$287,915.91.

PROJECT: GRAND AVE PARK BRIDGE
 AGENCY: CITY OF EVERETT, WA
 DATE: NOVEMBER 16, 2016

Supplemental Agreement Number <u>2</u>		Organization and Address KPFF Consulting Engineers 1601 Fifth Avenue, Suite 1600 Seattle, WA 98101	
Original Agreement Number 3588		Phone: (206) 622-5822	
Project Number	Execution Date December 22, 2014	Completion Date December 31, 2017	
Project Title Grand Avenue Park (Utility and Pedestrian) Bridge		New Maximum Amount Payable \$ 2,037,881.78	
Description of Work This Supplemental Agreement addresses extra work required by the City for the Grand Avenue Park Bridge design. Additional services include project management, structural design, civil design, permitting, electrical engineering, and geotechnical engineering.			

The Local Agency of the City of Everett
 desires to supplement the agreement entered into with KPFF Consulting Engineers
 and executed on December 22, 2014 and identified as Agreement No. 3588

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 1, SCOPE OF WORK, is hereby changed to read:
 See attached Exhibit A for a line item summary of additional scope.

II

Section IV, TIME FOR BEGINNING AND COMPLETION, is amended to change the number of calendar days for completion of the work to read: Contract completion date remains December 31, 2017.

III

Section V, PAYMENT, shall be amended as follows:
Increases the original contract value by \$287,915.91.

as set forth in the attached Exhibit A, and by this reference made a part of this supplement.

If you concur with 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.

Thomas H. Whiteman, P.E.

By: KPFF Associate/Project Manager

By: City of Everett

Thomas H. Whiteman 11/30/16

 Consultant Signature

 Approving Authority Signature

 Date

EXHIBIT A
KPFF Consulting Engineers
CONSULTANT FEE DETERMINATION
SUMMARY OF COST
GRAND AVENUE PARK BRIDGE - EXTRA WORK SUPPLEMENT # 2

Classification	Total Hours	X	Rate	=	Cost
Principal	4.00	X	\$62.50	=	\$250.00
Project Manager	704.87	X	\$54.60	=	\$38,485.63
Senior Engineer	567.24	X	\$45.00	=	\$25,525.80
Design Engineer	383.10	X	\$35.77	=	\$13,703.49
CADD Technician	453.08	X	\$39.23	=	\$17,774.33
Project Coordinator	202.00	X	\$28.85	=	\$5,827.70
Administrative	0.00	X	\$20.00	=	\$0.00
	0.00	X		=	\$0.00
	0.00	X		=	\$0.00
DSC Subtotal					\$101,566.94
Overhead (OH) Cost					
OH Rate x DSC of	136.59%	X	\$101,566.94	=	\$138,730.29
Fixed Fee (FF)					
FF Rate x DSC of	30.00%	X	\$101,566.94	=	\$30,470.08
Total KPFF Labor Cost					\$270,767.32
Reimbursables					
Mileage	((# Miles x \$0.545/mile)				
Reprographics	((# Sheets x \$X.xx/sheet)				
Subcontract	(Sub Name & Task)				
(Blank)	(Allowance)				
Subtotal					\$0.00
Subconsultant Costs (See Exhibit G)					\$17,148.59
GRAND TOTAL					\$287,915.91

COST ESTIMATE: GRAND AVENUE PARK BRIDGE - EXTRA WORK SUPPLEMENT # 2

November 16, 2016		KPFF Consulting Engineers								KPFF Combined	
GRAND AVENUE PARK BRIDGE - EXTRA WORK SUPPLEMENT # 2		Principal	Project Manager	Senior Engineer	Design Engineer	CADD Technician	Project Coordinator	Administrative	00000	00000	MULTIPLIER:
Item	SCOPE OF WORK	\$62.50	\$54.60	\$45.00	\$35.77	\$39.23	\$28.85	\$20.00	\$0.00	\$0.00	2.6659
1 PROJECT MANAGEMENT											
1.10	Management of Phase 2		173.2				60				\$29,825
1.20	Issues Related to Project Including Water Quality		40								\$5,822
1.30	Add'l PUD Efforts		24								\$3,483
1.40	Add'l Port Efforts		24								\$3,493
1.50	Add'l Paint, HDG, and Weathering Steel Investigations &		32								\$4,658
1.60	Extension of Management Process Through Aug 2016		173.2								\$25,211
1.70	Extra Effort Learning COE CAD Set Manager & Requirements					40					\$4,183
1.80	Supplement 2 and 3 Development		30				24				\$6,213
Labor Subtotal:		0	496.4	0	0	40	84	0	0	0	\$82,899
Reimbursables:											\$0
2 GEOTECHNICAL ENGINEERING											
2.10	Extra Work - Slope Stability Evaluatons		4								\$582
2.20	Extra Work - Ground Water Monitoring		4								\$582
2.30	Extra Work - Additional Plan and Spec Review		4								\$582
Labor Subtotal:		0	12	0	0	0	0	0	0	0	\$1,747
Reimbursables:											\$0
3 STRUCTURAL ENGINEERING											
3.10	Redesign of Truss From 20' to 16' Wide		32	24	80	40					\$19,349
3.20	Development of Division 1 Specifications for Phases 1 & 2			150			50				\$21,840
3.30	Revising Specs and updating per WSDOT August 2016 revisions			60			20				\$8,736
3.40	Assistance to COE Through Award		45	121	303	329					\$84,482
3.50	Coordination of Phase 2 Spec Final Package		60	20		12	32				\$14,849
				80			16				\$10,828
Labor Subtotal:		0	137	455	383	381	118	0	0	0	\$160,084
Reimbursables:											\$0
4 CIVIL ENGINEERING											
4.10	PSO3 Connection to collect street drainage		4								\$582
	Meeting Attendance & Coordination with CoE		4	4							\$1,062
	Revise design layout and detailing		4	24		8					\$4,298
	Research backflow valve systems			2							\$240
	Update Specs, Cost Estimate and SD report			8							\$960
4.20	CS piping Revisions to Accommodate PND designs		4								\$582
	Update X-refs and Resolve Utility Conflicts			4		4					\$898
	Revise Profiles to new pipe locations		4	24		8					\$4,298
4.30	Revise SSFM Connection to LS7 bypass port		4								\$582
	Update Plan, Profile and details		2	16		4					\$2,629
4.40	Electrical Vaults and Conduits @ Park & WMVD		1								\$146
	Coordination with CoE & Electrical Designer		6	2							\$1,113
	Revise design layout and detailing		4	24		8					\$4,298
	Update Specs & Cost Estimate		2	4							\$771
4.50	QC Review	4	4								\$1,249
Labor Subtotal:		4	43	112	0	32	0	0	0	0	\$23,708
Reimbursables:											\$0
5 ENVIRONMENTAL & PERMITTING											
5.10	Extra Work - Water Quality Related: Research, dilution analysis, meetings, communications		4								\$582
5.20	Extra Work - Related to Project Specs related to: permits, hazardous and contaminated materials, const cost est.		4								\$582
Labor Subtotal:		0	8	0	0	0	0	0	0	0	\$1,164
Reimbursables:											\$0
6 ELECTRICAL ENGINEERING											
6.10	Extra Work - Re-design of Park Lighting		4								\$582
6.20	Extra Work - New design for 4" conduits		4								\$582
Labor Subtotal:		0	8	0	0	0	0	0	0	0	\$1,164
Reimbursables:											\$0
Labor Sum:		4	704.87	567.24	383.1	453.08	202	0	0	0	\$270,767
Reimbursable Sum:											\$0
										KPFF Combined SUBTOTAL:	\$270,767

Landau Associates
CONSULTANT FEE DETERMINATION
SUMMARY OF COST
GRAND AVENUE PARK BRIDGE - EXTRA WORK SUPPLEMENT # 2

Classification	Total Hours	X	Rate	=	Cost
Principal	2.00	X	\$61.63	=	\$123.26
Senior Associate	16.00	X	\$60.53	=	\$968.48
Associate	12.00	X	\$45.87	=	\$550.44
Senior	4.00	X	\$44.71	=	\$178.84
Project Coordinator	2.00	X	\$32.97	=	\$65.94
	0.00	X	\$0.00	=	\$0.00
	0.00	X	\$0.00	=	\$0.00
	0.00	X	\$0.00	=	\$0.00
			DSC Subtotal		\$1,886.96
Overhead (OH) Cost					
OH Rate x DSC of	204.07%	X	\$1,886.96	=	\$3,850.72
Fixed Fee (FF)					
FF Rate x DSC of	30.00%	X	\$1,886.96	=	\$566.09
Reimbursables					
Mileage	(## Miles x \$0.565/mile)				
Reprographics	(## Sheets x \$X.xx/sheet)				\$6.38
Subcontract	(Sub Name & Task)				
(Blank)	(Allowance)				
Subtotal					\$6.38
Subconsultant Total:					\$6,310.15

COST ESTIMATE:		GRAND AVENUE PARK BRIDGE - EXTRA WORK SUPPLEMENT # 2			
October 3, 2016		Stantec			Stantec
GRAND AVENUE PARK BRIDGE - EXTRA WORK SUPPLEMENT # 2		Project Manager	Designer	CAD Technician	MULTIPLIER:
Item	SCOPE OF WORK	\$170.00	\$140.00	\$110.00	1.0000
1	PROJECT MANAGEMENT				
	Labor Subtotal:	0	0	0	\$0
	Reimbursables:				
2	GEOTECHNICAL ENGINEERING				
	Labor Subtotal:	0	0	0	\$0
	Reimbursables:				
3	STRUCTURAL ENGINEERING				
	Labor Subtotal:	0	0	0	\$0
	Reimbursables:				
4	CIVIL ENGINEERING				
	Labor Subtotal:	0	0	0	\$0
	Reimbursables:				
5	ENVIRONMENTAL & PERMITTING				
	Labor Subtotal:	0	0	0	\$0
	Reimbursables:				
6	ELECTRICAL ENGINEERING				
6.10	Extra Work - Re-design of Park Lighting	6	7	5	\$2,550
6.20	Extra Work - New design for 4" conduits	10	8	6	\$3,480
					\$0
					\$0
	Labor Subtotal:	16	15	11	\$6,030
	Reimbursables:				
	Labor Sum:	16	15	11	\$6,030
	Reimbursable Sum:				\$0
					\$6,030

**HWA
CONSULTANT FEE DETERMINATION
SUMMARY OF COST
GRAND AVENUE PARK BRIDGE - EXTRA WORK SUPPLEMENT # 2**

Classification	Total Hours	X	Rate	=	Cost
Principle IX	2.00	X	\$72.00	=	\$144.00
Principle VIII	9.00	X	\$72.00	=	\$648.00
Geotec Eng VI	7.00	X	\$48.08	=	\$336.56
Geotch Eng IV	6.00	X	\$45.67	=	\$274.02
Geologist	1.00	X	\$35.48	=	\$35.48
Hydrologist	4.00	X	\$34.62	=	\$138.48
CAD	0.00	X	\$22.07	=	\$0.00
Clerical	0.00	X	\$20.82	=	\$0.00

DSC Subtotal \$1,576.54

Overhead (OH) Cost

OH Rate x DSC of 175.00% X \$1,576.54 = \$2,758.95

Fixed Fee (FF)

FF Rate x DSC of 30.00% X \$1,576.54 = \$472.96

Reimbursables

Mileage	(## Miles x \$0.565/mile)	
Reprographics	(## Sheets x \$X.xx/sheet)	
Subcontract	(Sub Name & Task)	
(Blank)	(Allowance)	
Subtotal		<u>\$0.00</u>

Subconsultant Total: \$4,808.45

COST ESTIMATE:		GRAND AVENUE PARK BRIDGE - EXTRA WORK SUPPLEMENT # 2								
October 3, 2016		HWA Geotechnical							HWA	
GRAND AVENUE PARK BRIDGE - EXTRA WORK SUPPLEMENT # 2		Principle IX	Principle VIII	Geotec Eng VI	Geotech Eng IV	Geologist	Hydrologist	CAD	Clerical	MULTIPLIER:
Item	SCOPE OF WORK	\$72.00	\$72.00	\$48.08	\$45.67	\$35.48	\$34.62	\$22.07	\$20.82	3.0500
1 PROJECT MANAGEMENT										
Labor Subtotal:		0	0	0	0	0	0	0	0	\$0
Reimbursables:										
2 GEOTECHNICAL ENGINEERING										
2.10	Extra Work - Slope Stability Evaluatons			1	2					\$425
2.20	Extra Work - Ground Water Monitoring		1		2	1	4			\$1,029
2.30	Extra Work - Additional Plan and Spec Review	2	8	6	2					\$3,354
Labor Subtotal:		2	9	7	6	1	4	0	0	\$4,808
Reimbursables:										
3 STRUCTURAL ENGINEERING										
Labor Subtotal:		0	0	0	0	0	0	0	0	\$0
Reimbursables:										
4 CIVIL ENGINEERING										
Labor Subtotal:		0	0	0	0	0	0	0	0	\$0
Reimbursables:										
5 ENVIRONMENTAL & PERMITTING										
Labor Subtotal:		0	0	0	0	0	0	0	0	\$0
Reimbursables:										
6 ELECTRICAL ENGINEERING										
Labor Subtotal:		0	0	0	0	0	0	0	0	\$0
Reimbursables:										
Labor Sum:		2	9	7	6	1	4	0	0	\$4,808
Reimbursable Sum:										
							HWA	SUBTOTAL:	\$4,808	

