Consultant/Address/Telephone **Snohomish County** BergerABAM Inc. Standard Consultant 3301 Ninth Avenue South, Suite 300 Federal Way, WA 98003 Agreement Supplement Contact Name / E-Mail Address Robert L. Fernandes / bob.fernandes@abam.com Supplement Number Telephone Fax **Supplement No.6** 206-357-5616 206-357-5601 Agreement Number **Execution Date** Completion Date August 8, 2013 December 31, 2016 CCF07-13 Project Title New Maximum Amount Payable Structural Engineering, Geotechnical Design, Remains Unchanged at \$1,237,640.00 Survey and Mapping Services for the Index Galena Road (MP 6.4 - 6.9) Flood Repair Project

Description of Work

Provide Structural Engineering, Geotechnical Design, Survey and Mapping Services for the Index Galena Road (MP 6.4 – 6.9) Flood Repair Project. The Index-Galena Road is located along the Skykomish River in the Mount Baker – Snoqualmie National Forest in southeast Snohomish County. During Fall 2006 it was severely damaged by flooding and was washed out between mile posts 6.4 and 6.9.

WHEREAS, Snohomish County desires to supplement the Agreement entered into with **BergerABAM Inc.** and executed on the 8th day of August, 2013, as amended by Supplement No.1 on the 13th day of May, 2014, Supplement No.2 on the 24th day of February, 2015, Supplement No.3 on the 21st day of October, 2015, Supplement No.4 on the 17th day of December, 2015, and Supplement No.5 on the 28th day of April, 2016, and identified as Agreement No. **CCF07-13**, and

WHEREAS, Snohomish County desires to authorize the release of an additional \$10,661 in Management Reserve Funds to compensate for a portion of the additional services defined in this supplement, the remaining compensation will be drawn from an unspent portion of the original budget. All provision of the basic agreement remain in effect except as expressly modified by this supplement.

The changes to this Agreement are described as follows:

1. The "Total Amount Authorized" amount on the Agreement title page is amended as follows:

Total Amount Authorized

((\$1,198,358.00)) **\$1,209,019.00**

2. The "Management Reserve Fund" amount on the Agreement title page is amended as follows:

Management Reserve Fund

((\$39,282.00)) \$28,621.00

- Maximum Amount Payable, on the Agreement title page, shall remain unchanged as payment for the supplemental work will be drawn from the management reserve fund and an unspent portion of the original budget.
- 4. Section II Scope of Work, is hereby amended to read:

The Scope of Work and projected level of effort required for this PROJECT is detailed in Exhibit "A" comprised of Exhibit A-1, Exhibit A-1a, Exhibit A-1b, Exhibit A-1c, Exhibit A-1d, and Exhibit A-1e attached hereto and by this reference made a part of the AGREEMENT.

5. The first and second paragraphs of section IV Sub-Contracting, are hereby amended to read:

The COUNTY permits sub-contracts for those items of work as shown in Exhibit "G" comprised of Exhibit G, Exhibit Ga, Exhibit Gb and Exhibit Gc, attached hereto, and by reference made a part of the AGREEMENT.

Compensation for this sub-consultant work shall be based on the cost factors shown on Exhibit "G-1", Exhibit "G-1a", Exhibit "G-1b", Exhibit "G-1c" and Exhibit "G-2".

- 6. **EXHIBIT A-1e Supplemental Scope of Work**, attached hereto is added to and incorporated into the Agreement.
- 7. **EXHIBIT E-1e Supplemental Consultant Fee Determination Budget**, attached hereto is added to and incorporated into the Agreement.
- 8. **EXHIBIT Gc Supplemental Subcontracted Work**, attached hereto is added to and incorporated into the Agreement.
- 9. **EXHIBIT G-1c Supplemental Subconsultant Fee Determination Budget**, attached hereto is added to and incorporated into the Agreement.
- 10. **EXHIBIT G-2 Subconsultant Fee Determination Summary Sheet Fee Schedule**, attached hereto and herein by this reference, is added to the previously amended EXHIBIT G-2, and made part of the Agreement as a Fee Schedule for an additional Sub-consultant, Sitts & Hill Engineers, and revised Fee Schedules for Shannon & Wilson and The Louis Berger Group.
- 11. **EXHIBIT G-3 Breakdown of Subconsultant's Overhead Cost**, attached hereto and herein by this reference, is added to the previously amended EXHIBIT G-3, and made part of the Agreement as overhead documentation for an additional Sub-consultant, Sitts & Hill Engineers, and updated overhead documentation for Shannon & Wilson and The Louis Berger Group.

IN WITNESS WHEREOF, the parties hereto h	ave executed this Supplement No.6 on this 27 day of
SNOHOMISH COUNTY	BERGERABAM INC.
Stew Tron	Rolltenance
Director of Public Works	Signature
	VICE PRESIDENT
	Title

EXHIBIT A-1d Supplemental Scope of Work

PROJECT DESCRIPTION

The COUNTY desires to restore the roadway connection of the Index-Galena Road between project design Mileposts 6.088 and 7.032 by constructing a new roadway realigned to the south and east of the original roadway which was damaged during flooding of the North Fork of the Skykomish River in November of 2006.

The current design phase of the project for a 35 MPH roadway alignment includes studies of selected project elements and design development with working plans and a construction cost estimate.

SUPPLEMENTAL SERVICES

The purpose of these supplemental services is to perform site surveying during the summer of 2016 with associated project management, coordination, QA/QC and oversight, and survey data review and incorporation into the project basemap and surface model.

ESTIMATED LEVEL OF EFFORT

The estimated level of effort to provide these services is shown in Exhibit E-1e and G1c, and is based upon the following scope of work, assumptions, and task descriptions.

SCHEDULE

Based on discussions with the COUNTY, the surveying and basemapping effort is needed during the summer of 2016 to support advancement of the design expected to begin in the fall of 2016. It is expected that the site surveying effort will begin in the near term and be completed within approximately a three month period.

ASSUMPTIONS

The scope of work defined within this document includes the assumptions noted below.

- 1. The COUNTY will perform field flagging of the Ordinary High Water (OHW) location for survey pick-up by the field survey crew.
- 2. No rights-of-entry are required.

TASK 23 SURVEY MANAGEMENT, COORDINATION AND OVERSIGHT (CONSULTANT)

This is a new task for performance of services by the COUNSULTANT to provide additional project administration, management and coordination associated with these supplemental surveying services including scheduling of work, communications with the COUNTY, and associated oversight and QA/QC, along with review of survey data and incorporation into the project basemap and surface model.

The CONSULTANT will provide project management and communications between the BergerABAM team and the COUNTY. The CONSULTANT will manage the subconsultant firm of Sitts & Hill Engineers (SUBCONSULTANT), and any other subconsultants, that may be added during the duration of the project.

The CONSULTANT will perform project administration and management tasks as follows.

- Prepare and submit monthly invoices.
- Prepare monthly progress reports summarizing the status of the budget, highlights, details, issues, approved changes, plans for next period.
- Prepare subconsultant agreements and perform ongoing subconsultant coordination.
- Maintain all contract-required documentation.

The CONSULTANT will attend up to one meeting with the COUNTY to coordinate the site survey effort if required, and participate in a survey team conference call every 2-3 weeks during the site survey duration with a total of 4 conference calls assumed.

Following the performance of site survey, the CONSULTANT will incorporate the new topographic data into the project basemap developed to date and update the model surface. Areas of inconsistency between the current

model surface and newly collected topographic data will be reviewed and locations noted for possible additional site topography to be collected as performed under Task 24.2.

TASK 24 SITE SURVEY AND BASE MAPPING (SUBCONSULTANT)

The SUBCONSULTANT, under a subconsultant agreement with the CONSULTANT, will provide the following supplemental survey and basemapping services.

All SUBCONSULTANT survey data will be incorporated into the existing base file. Site survey data will be compiled in AutoCAD® Civil 3D® 2015 for the basis of design. This file will show the site's existing condition and surface capable of displaying 2-foot contours. Dynamic notes, control, and other observations (prepared for 1"=20' plans) will be included in this file to aid in the design progression.

Task 24.1 35 MPH Alignment Centerline Field Staking and Topographic Survey

The SUBCONSULTANT will provide staking of the revised 35 MPH alignment from beginning to end of the proposed centerline design alignment. A 50' station interval from station 9+50 to station 60+00 will be staked with a hub and 4' tall flagged lath if applicable or a flagged "mag-nail" with the appropriate station value will be painted on the existing asphalt road. This effort will include removal of any visible remaining "old centerline markings" as set in previous centerline layout efforts.

The SUBCONSULTANT will perform additional topographic survey for

- Ground surface features will be mapped within approximately 100' of those areas surrounding proposed culvert crossings (15 each), as well as areas containing special features/project elements (box culvert vented ford and debris diversion berm) that have the potential for impact on the design of proposed improvements, including areas requiring walls and significant fills.
- The Low Water Mark, or edge of water, as may be applicable, will be mapped within 100' of centerline through the new proposed bridge area (from approximate station 54+50 to station 58+50).
- Eight cross sections will be surveyed by the SUBCONSULTANT throughout the project. This verification
 effort will reveal the reliability of this project's baseline data in these areas. If significant vertical
 differences are found early on in the acquisition of this cross-sectional data, the design team will be
 immediately notified and the CONSULTANT's Survey Group will recommend topographic mapping of
 the existing surface in those areas to develop reliable baseline data.
- The Ordinary High Water (OHW) location will be mapped at areas along the project where the new toe of slope is in close proximity to the edge of the active side channel of the North Fork Skykomish River. This effort will consist of mapping a series of OHW markers established in the field by the COUNTY prior to performance of the mapping. The mapping extent is expected to be approximately 3,000 lineal feet at the following approximate station locations: STA 13+00 to 17+50, STA 19+00 to 20+00, STA 26+00 to 48+00, and STA 50+00 to 54+00.

Task 24.2 Additional Topographic Survey Allowance

The SUBCONSULTANT will provide up to four additional days of topographic site survey and produce a revised basemap to document the field measured site conditions for the areas required based on the cross section findings in Task 24.1 as required. This work is considered as an optional service dependent upon the findings of the cross sectional survey work conducted under Task 24.1 and will not be performed unless specifically requested by the COUNTY.

Deliverables

A file, developed in AutoCAD® Civil 3D® 2015 including the information listed above, will be the deliverable for Tasks 24.1 and 24.2 as performed. This file will serve as the basis of this project's design. An existing ground surface model in AutoCAD® Civil 3D® 2015 and LandXML v1.2 format will be provided as part of this effort. Photos, field notes, videos and sketches captured during this projects survey effort will also be included as part of the existing conditions documentation.

EXHIBIT E-1e Supplemental Consultant Fee Determination – Budget

Agreeme	ent Number: CCF07-13							
TASK	DESCRIPTION	Authorized Budget	Spent to Date	% Spent	1	dget Moved to Tasks 23 & 24		Budge Remaining
1	PROJECT MANAGEMENT	\$ 86,948.91	\$ 81,002.90	93%	\$	5,696.48	\$	249.53
1.1	Project Coordination	\$ 24,870.00	\$ 24,714.99	99%	\$		\$	155.01
1.2	Progress Meetings	\$ 26,580.20	\$ 26,485.68	100%	\$		\$	94.52
1.3	Management of Subconsultants	\$ 13,557.82	\$ 13,186.34	97%	1	371.48	\$	(0.00
1.4	Project Demobs & Restarts	\$ 16,615.89	\$ 16,615.89	100%			\$	
1.5	Project Close-out	 5,325.00	\$ -	0%		5,325.00	\$	-
2	SURVEYING & BASEMAPPING	\$ 55,770.69	\$ 55,770.69	100%	\$	-	\$	-
3	GEOTECHNICAL ENGR / S&W	\$ 123,484.10	\$ 120,484.10	98%	\$	-	\$	3,000.00
4	HYDRAULIC ENGR / S&W	\$ 75,582.79	\$ 75,582.79	100%	\$	-	\$	-
5 - 11	CLOSED TASKS	\$ 332,164.51	\$ 332,164.51	100%	\$		\$	-
	(Includes Reimburseables)	 	 					
12	PROJECT MANAGEMENT	\$ 44,150.00	\$ 37,453.13	85%	\$	-	\$	6,696.87
12.1	Project Coordination	\$ 18,235.00	\$ 18,050.18	99%	\$	-	\$	184.82
12.2	Progress Meetings	\$ 10,925.00	\$ 10,837.00	99%	\$	_	\$	88.00
, 12.3	Management of Subconsultants	\$ 6,600.00	\$ 6,548.02	99%	\$		\$	51.98
12.4	Project Demobs & Restarts	\$ 8,390.00	\$ 2,017.93	24%	\$	-	\$	6,372.07
13	GEOTECHNICAL ENGR / S&W	\$ 44,263.00	\$ 42,767.90	97%	\$	-	\$	1,495.10
14	HYDRAULIC ENGR / S&W	\$ 4,550.00	\$ 3,314.29	73%	\$	-	\$	1,235.71
15	35 MPH ALIGNMENT	\$ 235,820.00	\$ 155,625.67	66%	\$	75,000.00	\$	5,194.33
15.1	Roadway Geometrics	\$ 27,520.00	\$ 27,486.90	100%	\$	-	\$	33.10
15.2	Walls & Slopes	\$ 26,800.00	\$ 26,685.34	100%	\$		\$	114.66
15.3	Conveyance Design Development	\$ 11,000.00	\$ 9,175.41	83%	\$.	\$	1,824.59
15.4	35 MPH Alignment Drawings	\$ 170,500.00	\$ 92,278.02	54%	\$	75,000.00	\$	3,221.98
15.3	DRAINAGE - PRELIM / LBG	\$ 45,924.00	\$ 38,744.09	84%	\$	-	\$	7,179.91
16	VENTED FORD OPTIONS	\$ 23,840.00	\$ 23,832.66	100%	\$	7.34	\$	0.00
17	DEBRIS DIVERSION BERM	\$ 14,500.00	\$ 14,486.44	100%	\$	13.56	\$	(0.00)
18	BRIDGE & CULVERT COMP.	\$ 19,500.00	\$ 19,457.15	100%	\$	42.85	\$	(0.00)
19	35 MPH COST ESTIMATE	\$ 18,000.00	\$ 17,796.15	99%	\$	-	\$	203.85
20	PERMITTING SUPPORT	\$ 16,000.00	\$ 10,513.57	66%	\$	-	\$	5,486.43
21	QA / QC	\$ 32,000.00	\$ 31,859.03	100%	\$		\$	140.97
22	CONSTRUCTION SCHEDULE	\$ 24,998.00	\$ 17,626.15	71%	\$	-	\$	7,371.85
	REIMBURSABLE EXPENSES	\$ 862.00	\$ 581.03	67%	\$	-	\$	280.97
CI	JRRENT AGREEMENT TOTALS =	\$ 1,198,358.00	\$ 1,079,062.25	90%	<u> </u>	80,760.23	\$	38,535.52
	· · · · · · · · · · · · · · · · · · ·		 ND TO BE AUTHO		\$	10,660.77	-	
	· · · · · · · · · · · · · · · · · · ·	 TOTAL	 	h	\$	91,421.00		

EXHIBIT E-1e, PROJECT FEE DETERMINATION BergerABAM SUPPLEMENT NO. 6 - SURVEY AND BASEMAPPING

Index-Galena Road MP 6.4 to 6.9 Realignment Snohomish County - RC 1532 / UPI #06-0150

BergerABAM PERSONNEL

	Project Function	<u>Hours</u>		<u>E</u>	lilling Rate			Cost
1	Officer / Managing Principal	20	Х	\$	224.40	=	\$	4,488
2	Senior Construction Specialist	0	Х	\$	168.42	=	\$	-
3	Project Engineer VI	0	Х	\$	158.10	=	\$	-
4	Applications Programmer II	18	Х	\$	151.26	=	\$	2,723
5	Survey Director	32	Х	\$	148.31	=	\$	4,746
6	CAD Operator / Designer	0	Х	\$	115.70	=	\$	-
7	Coordinator /Administration	0	Х	\$	116.96	=	\$	-
	BergerABAM Hours, TOTAL	70		Sul	total Person	nel Costs =	\$	11,957
	_	Salary	Escalation f	or FY	2018 at =	0.00%	\$	-
			тот	AL P	ERSONNEL	. COSTS =	\$	11,957
<u>OTHER</u>	R DIRECT COSTS (ODC)							
	Mileage - Meeting w/ County (if required)		150		miles @	0.54	\$	81
							\$	
		TOTAL	REIMBUR	SABL	E EXPENSE	E S (ODC) =	\$	81
				TOT	AL BergerAl	BAM FEE =	\$	12,038
								,
SUBCO	ONSULTANTS							
	Sitts & Hill / TASK 24 - SITE SURVEY &	BASEMAF	PPING				\$	79,383
							S	-
			TOTAL	SUBC	CONSULTAI	NT FEES =	\$	79,383
			TOTAL	SUP	PLEMENT A	MOUNT =	\$	91,421
MANA	GEMENT RESERVE						٠	
	to A. A. SANDONINO CONTRACTOR						\$ \$	-
		•					Þ	-
	Prepared by: SKJ							
	Date: 21 July 2016							

TASK DESCRIPTION BILLING RATE ==>	Task Number	Officer / Managing Principal	Senior Construction Specialist	Project Engineer VI	Applications Programmer II	Survey Director	CAD Operator / 2511 Designer	Coordinator/	Totals
TASK 23 - SURVEY MANAGEMENT, COORDINATION, AND OVERSIGHT	23	<u>20</u>			<u>18</u>	<u>32</u>			<u>70</u>
Project Administration, Management & Coordinaton Oversight and QA/QC Meeting w/ County (if required)		12 4				4 16 4			16 16 8
Survey Team Conference Calis (4 assumed) Site Survey Data Review Update Existing Model with New Survey Review Proposed Model for Impacts of New Survey		4			2 4 12	4			10 4 4 12
Treview Proposed model for initiasis of new ourses		\$ 4,488			\$2,723	\$4,746			\$11,957
BergerABAM TOTAL HO	URS =	20			18	32			70

Notes:

- 1. 2.

EXHIBIT Gc Supplemental Subcontracted Work

The County permits subcontracting for the following portions of the work of this AGREEMENT.

TASK 24 SITE SURVEY AND BASE MAPPING (SUBCONSULTANT)

The SUBCONSULTANT, under a subconsultant agreement with the CONSULTANT, will provide the following supplemental survey and basemapping services.

All SUBCONSULTANT survey data will be incorporated into the existing base file. Site survey data will be compiled in AutoCAD® Civil 3D® 2015 for the basis of design. This file will show the site's existing condition and surface capable of displaying 2-foot contours. Dynamic notes, control, and other observations (prepared for 1"=20' plans) will be included in this file to aid in the design progression.

Task 24.1 35 MPH Alignment Centerline Field Staking and Topographic Survey

The SUBCONSULTANT will provide staking of the revised 35 MPH alignment from beginning to end of the proposed centerline design alignment. A 50' station interval from station 9+50 to station 60+00 will be staked with a hub and 4' tall flagged lath if applicable or a flagged "mag-nail" with the appropriate station value will be painted on the existing asphalt road. This effort will include removal of any visible remaining "old centerline markings" as set in previous centerline layout efforts.

The SUBCONSULTANT will perform additional topographic survey for

- Ground surface features will be mapped within approximately 100' of those areas surrounding proposed culvert crossings (15 each), as well as areas containing special features/project elements (box culvert vented ford and debris diversion berm) that have the potential for impact on the design of proposed improvements, including areas requiring walls and significant fills.
- The Low Water Mark, or edge of water, as may be applicable, will be mapped within 100' of centerline through the new proposed bridge area (from approximate station 54+50 to station 58+50).
- Eight cross sections will be surveyed by the SUBCONSULTANT throughout the project. This verification
 effort will reveal the reliability of this project's baseline data in these areas. If significant vertical
 differences are found early on in the acquisition of this cross-sectional data, the design team will be
 immediately notified and the CONSULTANT's Survey Group will recommend topographic mapping of
 the existing surface in those areas to develop reliable baseline data.
- The Ordinary High Water (OHW) location will be mapped at areas along the project where the new toe of slope is in close proximity to the edge of the active side channel of the North Fork Skykomish River. This effort will consist of mapping a series of OHW markers established in the field by the COUNTY prior to performance of the mapping. The mapping extent is expected to be approximately 3,000 lineal feet at the following approximate station locations: STA 13+00 to 17+50, STA 19+00 to 20+00, STA 26+00 to 48+00, and STA 50+00 to 54+00.

Task 24.2 Additional Topographic Survey Allowance

The SUBCONSULTANT will provide up to four additional days of topographic site survey and produce a revised basemap to document the field measured site conditions for the areas required based on the cross section findings in Task 24.1 as required. This work is considered as an optional service dependent upon the findings of the cross sectional survey work conducted under Task 24.1 and will not be performed unless specifically requested by the COUNTY.

Deliverables

A file, developed in AutoCAD® Civil 3D® 2015 including the information listed above, will be the deliverable for Tasks 24.1 and 24.2 as performed. This file will serve as the basis of this project's design. An existing ground surface model in AutoCAD® Civil 3D® 2015 and LandXML v1.2 format will be provided as part of this effort. Photos, field notes, videos and sketches captured during this projects survey effort will also be included as part of the existing conditions documentation.

EXHIBIT G-1c Supplemental Subconsultant Fee Determination – Budget

EXHIBIT G-1c: SUBCONSULTANT FEE DETERMINATION

7/21/2016

SITTS and HILL SUPPLEMENT NO. 6

Index-Galena Road MP 6.4 to 6.9 Realignment Snohomish County - RC 1532 / UPI #06-0150

SURVEY AND BASE MAPPING SITTS & HILL PERSONNEL

Position Classification	<u>Hours</u>	Bill	ling Rate			Cost
Survey Principal	120		119.42		\$	14,330
Project Surveyor	64	\$	92.71		\$	5,933
Survey Crew Chief	280	ş \$	80.26		\$	22,473
Survey Crew Member	280	S	60.33		\$	16,892
Survey Technician	112	\$	65.04		\$	7,284
Survey Admin	0	S			φ \$	1,204
Sitts & Hill Survey Hours, TOTAL	856	<u>.</u>	60.00 Subto	tal Personnel Co		66,914
		Т	OTAL PE	RSONNEL COS	TS = \$	66,914
DIRECT NONSALARY COSTS (DNSC)	Qty	<u></u>	Jnit Cost	<u>Per</u>		
Field Supplies (Lath)	300	\$	0.55	/ lath	\$	165
Field Supplies (Hubs)	300	\$	0.37	/ hub	\$	111
Field Supplies (Flagging)	12	\$	1.33	/ roll	\$	16
Field Supplies (Paint)	12	\$	3.33	/ can	\$	40
Field Supplies (Rebar)		\$	1.79	/ rebar	\$	-
Lodging (WSDOT per Diem)	60	\$	113.00	/ night	\$	6,780
Meals - B (WSDOT per Diem)	56	\$	16.00	/ day	\$	896
Meals - L (WSDOT per Diem)	68	\$	19.00	/ day	\$	1,292
Meals - D (WSDOT per Diem)	56	\$	29.00	/ day	\$	1,624
Mileage (WSDOT)	2,862	\$	0.54	/ mile	\$	1,545
<u> </u>	TOTAL REI	MBUF	RSABLEE	XPENSES (DN	SC) = \$	12,469
	Γ		TOTAL	SITTS & HILL F	EE = \$	79,383

SURVEY AND BASE MAPPING

	SUPPLEMENT NO. 6	Survey Principal	Project Surveyor	Survey Crew Chief	Survey Crew Member	Survey Technicia n	Survey Admin	Total Hours per Task		
	Fully Burdened Billing Rate ==>	\$119.42	\$92.71	\$80.26	\$60.33	\$65.04	\$60.00		,	Totals
*	Task 24.1 - 35 MPH Alignment Centerline Field Staking & Topographic Survey							704	\$	54,638
of Work	Survey Control Perpetuation	8	2	24	24			58	\$	4,515
6	Alignment Centerline Staking	8	4	20	20	8		60	\$	4,658
y Scope	Topographic Survey	40	32	180	180	56		488	\$	36,692
Survey	Ordinary High Water (OHW) Location		2	16	16	16		50	\$	3,476
) ×	Deliverables Preparation & QA/QC	40				8		48	\$	5,297
TASK 24	Task 24.2 - Additional Topographic Survey Allowance	24	24	40	40	24		152	\$	12,276
									\$	-
	Hour Totals	120	64	280	280	112		856	\$	66,914
	Percentage	14%	7%	33%	33%	13%			1	78/hr

EXHIBIT G-2 Subconsultant Fee Determination – Summary Sheet Fee Schedule

Subconsultant: Sitts & Hill Engineers, Inc.

Position Classification	Direct Salary Rate	ICR @ <u>151.00%</u>	Profit @ <u>25.75%</u>	Max Rate Per Hour
Survey Principal	\$43.15	\$65.16	\$11.11	\$119.42
Project Surveyor	\$33.50	\$50.59	\$8.63	\$92.71
Survey Technician	\$23.50	\$35.49	\$6.05	\$65.04
Survey Crew Chief	\$29.00	\$43.79	\$7.47	\$80.26
Survey Crew Member	\$21.80	\$32.92	\$5.61	\$60.33

The indirect cost rate (ICR), profit, and max rate per hour listed above are the maximum rates payable under this AGREEMENT. Rates invoiced shall be based on the direct salary of the individual employee plus ICR plus profit and shall not exceed the Max Rate Per Hour for each classification listed in this Exhibit G-2 without prior written consent of the COUNTY.

EXHIBIT G-2 Subconsultant Fee Determination – Summary Sheet Fee Schedule

Subconsultant: Shannon & Wilson, Inc.

Position Classification	Direct Salary Rate	ICR @ <u>193.35%</u>	Profit @ <u>25.75%</u>	Max Rate Per Hour
Officer (T25,27,28,29)	\$69.41	\$134.20	\$17.87	\$221.49
Sr Associate (T23)	\$55.15	\$106.63	\$14.20	\$175.98
Associate (T22,24)	\$55.15	\$106.63	\$14.20	\$175.98
Eng/Geol/Hydro/Enviro/Risk Assess				
Senior Tech Staff (Senior Principal,				
Principal & Senior) (T18, 19, 20)	\$40.74	\$78.77	\$10.49	\$130.00
Professional Staff II-IV (T15, 16, 17)	\$33.74	\$65.24	\$8.69	\$107.66
Professional Staff I (T14)	\$31.96	\$61.80	\$8.23	\$102.00
Senior Drafter/Technician (S17,19)	\$31.50	\$60.91	\$8.11	\$100.52
Drafter/Technician I-IV				
(S09,10,11,13,15)	\$30.18	\$58.35	\$7.77	\$96.30
Administrative (A17)	\$26.56	\$51.35	\$6.84	\$84.75
Administrative (A09,10,11,13,15)	\$18.69	\$36.14	\$4.81	\$59.64

The indirect cost rate (ICR), profit, and max rate per hour listed above are the maximum rates payable under this AGREEMENT. Rates invoiced shall be based on the direct salary of the individual employee plus ICR plus profit and shall not exceed the Max Rate Per Hour for each classification listed in this Exhibit G-2 without prior written consent of the COUNTY.

EXHIBIT G-2 Subconsultant Fee Determination – Summary Sheet Fee Schedule

Subconsultant: The Louis Berger Group, Inc.

Position Classification	Direct Salary Rate	ICR @ <u>142.36%</u>	Profit @ <u>25.75%</u>	Max Rate Per Hour
Vice President	\$81.79	\$116.44	\$21.06	\$219.29
Principal	\$74.38	\$105.89	\$19.15	\$199.42
Senior Project Manager	\$59.73	\$85.03	\$15.38	\$160.14
Senior Consultant / Senior Engineer	\$55.77	\$79.39	\$14.36	\$149.52
Project Engineer	\$45.32	\$64.52	\$11.67	\$121.51
Junior Consultant / Junior Engineer	\$38.45	\$54.74	\$9.90	\$103.09
Editor / Graphics	\$32.15	\$45.77	\$8.28	\$86.20
Financial	\$43.95	\$62.57	\$11.32	\$117.83
Landscape Architect / CAD	\$42.71	\$60.80	\$11.00	\$114.51
Administrative Assistant	\$29.19	\$41.55	\$7.52	\$78.26

The indirect cost rate (ICR), profit, and max rate per hour listed above are the maximum rates payable under this AGREEMENT. Rates invoiced shall be based on the direct salary of the individual employee plus ICR plus profit and shall not exceed the Max Rate Per Hour for each classification listed in this Exhibit G-2 without prior written consent of the COUNTY.

EXHIBIT G-3 Breakdown of Subconsultant's Overhead Cost

SUBCONSULTANT'S audited overhead report from the WSDOT Audit Office, or other report supporting Overhead Rate (per Chapter 31.5 of the WSDOT Local Agency Guidelines), provided by SUBCONSULTANT attached hereto and incorporated herein as Exhibit "G-3".



Lynn Peterson Secretary of Transportation Transportation Building 310 Maple Park Avenue S.E. P.O. Box 47300 Olympla, WA 98504-7300 360-705-7000 TTY; 1-800-833-6388 www.wsdot.wa.gov

July 18, 2016

Sitts & Hill Engineers, Inc. 4815 Center Street Tacoma, WA 98409

Subject:

Acceptance FYE 2015 ICR - Risk Assessment Review

Dear Mr. Larry Lindell:

Based on Washington State Department of Transportation's (WSDOT) Risk Assessment review of your Indirect Cost Rate (ICR), we have accepted your proposed FYE 2015 ICR of 151.00%. This ICR acceptance is in accordance with 23 CFR 172.7 and must be updated on an annual basis. This rate may be subject to additional review if considered necessary by WSDOT and will be applicable for:

☐ WSDOT Agreements☐ Local Agency Contracts in Washington State only

Costs billed to agreements/contracts will still be subject to audit of actual costs, based on the terms and conditions of the respective agreement/contract.

This was not a cognizant review. Any other entity contracting with the firm is responsible for determining the acceptability of the ICR.

If you have any questions, feel free to contact our office at (360) 705-7104 or via email consultantrates@wsdot.wa.gov.

Regards;

ERIK K. JONSON

Manager, Consultant Services Office

EKJ:kms

Acceptance ICR Risk Assessment Review



Lynn Peterson Secretary of Transportation Transportation Building 310 Mapte Park Avenue S.E. P.O. Box 47300 Olympia, WA 98504-7300 360-705-7000 TTY: 1-800-833-6388 www.wedot.wa.cov

June 14, 2016

Shannon & Wilson, Inc. 400 N 34th Street, Suite 100 Seattle, WA 98103

Subject: Acceptance FYE 2015 ICR - CPA Report

Dear Ms. Noelani Bevill:

We have accepted your firms FYE 2015 Indirect Cost Rate (ICR) of 193.35% based on the "Independent CPA Report," prepared in accordance with Part 31 of the FAR, by CPA Consulting, Inc.. Your ICR acceptance is in accordance with 23 CFR 172.7 and must be updated on an annual basis. This rate may be subject to additional review if considered necessary by WSDOT and will be applicable for:

 ∑ WSDOT Agreements

 ∑ Local Agency Contracts in Washington State only

Costs billed to agreements/contracts will still be subject to audit of actual costs, based on the terms and conditions of the respective agreement/contract.

This was not a cognizant review. Any other entity contracting with the firm is responsible for determining the acceptability of the ICR.

If you have any questions, feel free to contact our office at (360) 705-7104 or via email consultantrates@wsdot.wa.gov.

Regards;

Manager, Consultant Services Office

EKJ:kms



Lynn Peterson Secretary of Transportation Transportation Building 310 Maple Park Avenue S.E. P.O. Box 47300 Olympia, WA 98504-7300 360-705-7000 TTY: 1-800-833-6388 www.wsdot.wa.gov

January 26, 2016

Louis Berger Group 412 Mount Kimble Avenue Morristown, NJ 07962-1946

Subject:

Acceptance FYE 2015 ICR - CPA Report

Dear Mr. David Carrick:

We have accepted your firms FYE 2015 Indirect Cost Rate (ICR) of 142.36% Home Office Rate and 111.61% Field Office Rate based on the "Independent CPA Report," prepared in accordance with Part 31 of the FAR, by Wiss & Company, LLP. Your ICR acceptance is in accordance with 23 CFR 172.7 and must be updated on an annual basis. This rate may be subject to additional review if considered necessary by WSDOT and will be applicable for:

■ WSDOT Agreements

Local Agency Contracts in Washington State only

Costs billed to agreements/contracts will still be subject to audit of actual costs, based on the terms and conditions of the respective agreement/contract.

This was not a cognizant review. Any other entity contracting with the firm is responsible for determining the acceptability of the ICR.

If you have any questions, feel free to contact our office at (360) 705-7104 or via email consultantrates@wsdot.wa.gov.

Regards;

ERIK K. JONSON'

Manager, Consultant Services Office

EKJ:rck

Acceptance ICR CPA Report