CITY OF MARYSVILLE AGENDA BILL

EXECUTIVE SUMMARY FOR ACTION

CITY COUNCIL MEETING DATE: November 13, 2017

AGENDA ITEM:	
First Street Bypass Project	
Supplement No. 1 to Professional Services Agreement with BergerA	BAM, Inc.
PREPARED BY:	DIRECTOR APPROVAL:
Steve Miller, Project Manager	
DEPARTMENT:	p
Public Works / Engineering	V
ATTACHMENTS:	
PSA Supplement No. 1	
BUDGET CODE:	AMOUNT:
30500030.563000, R0901	\$62,766.00
SUMMARY	

On February 13, 2017, Council authorized the Mayor to execute a contract with BergerABAM, Inc. to provide professional engineering design services for the First Street Bypass project. The scope under this contract included development of plans, specifications and cost estimate for roadway replacement and improvement between State Avenue and Alder Avenue along the existing First Street alignment, and for a new roadway link extending First Street from Alder to 47th Avenue NE.

Additional engineering services are requested for the design of a new water line as part of the roadway improvements. The existing line between State and Alder is over 50 years old and near the end of its service life. In addition, the roadway improvements include bioinfiltration facilities to handle and infiltrate stormwater, and excavation and installation of these is expected to disturb and destabilize the existing water line. Adding the design scope will allow replacement of the line during construction of the roadway at an economical cost, while roadway work is being done, and while the Contractor is onsite and can efficiently perform the work at reduced impact to the traveling public.

Additional engineering services are also requested to develop an irrigation and planting plan necessary to support low impact development (LID) biofiltration facilities between State and Alder, and to support the planting strip incorporated as part of the shared use path, between Alder and 47th Avenue. Use of both LID facilities and the shared use path were not included in the original scope, but were identified as part of the effort to develop the preferred alignment during the 30% design phase. Development of a planting plan and use of drip irrigation will provide a basis to develop a suitable and interesting mix of ornamental plants that will be attractive and enhance user experience and will minimize use of City staff time needed for maintenance.

RECOMMENDED ACTION:

Staff recommends that Council authorize the Mayor to sign and execute the attached Supplement No. 1 to the City's agreement with BergerABAM, Inc. to provide additional professional services required for the First Street Bypass project.

SUPPLEMENTAL AGREEMENT NO. 1 TO PROFESSIONAL SERVICES AGREEMENT FOR CITY OF MARYSVILLE AND BERGERABAM, INC.

This Supplemental Agreement No. 1 is made and entered into on the _____ day of November, 2017, between the City of Marysville, hereinafter called the "City" and BergerABAM, Inc., hereinafter called the "Consultant."

WITNESSETH THAT:

WHEREAS, the parties hereto have previously entered into an Agreement for consulting services to prepare and deliver 100% plans, specifications and a final cost estimate for the First Street Bypass project and to provide related engineering, permitting, and right-of-way acquisition services, hereinafter called the "Project," said Agreement being dated February 13th, 2017; and

WHEREAS, both parties desire to supplement said Agreement, by expanding the Scope of Services to provide for the replacement of the existing water main, and to provide an irrigation and planting plan, and to amend the total amount payable for this Agreement,

NOW THEREFORE, in consideration of the terms, conditions, covenants and performance contained herein or attached and incorporated, and made a part hereof, the parties hereto agree as follows:

Each and every provision of the Original Agreement for Professional Services dated February 13th, 2017, shall remain in full force and effect, except as modified in the following sections:

1. <u>Section 1 of the Original Agreement, "SCOPE OF SERVICES"</u>, shall be supplemented to include the Scope of Services as described in Exhibit A1, attached hereto and by this reference made part of this Supplemental Agreement No. 1.

PROFESSIONAL SERVICES AGREEMENT – Supplemental 1 - Page 1 of 2

2. <u>Section 3 of the Original Agreement, "COMPENSATION"</u>, is amended to include the additional Consultant fee of \$62,766.00 as described in Exhibit A1. The second sentence shall be amended and shall read as follows: "....shall the compensation paid to the Consultant under this Agreement exceed One Million Six Hundred Fifty Eight Thousand One Hundred Eighty Seven Dollars and Zero Cents (**\$1,658,187.00**) within the term of the Agreement, including extensions, without the written agreement of the Consultant and the City."

The Total Amount payable to the Consultant is summarized as follows:

Original Agreement	\$1,595,421.00
Supplemental Agreement No.1	\$62,766.00
Supplemental Agreement No.2	\$
Supplemental Agreement No.3	\$
Grand Total	\$1,658,187.00

IN WITNESS WHEREOF, the parties hereto have executed this SUPPLEMENTAL AGREEMENT NO. 1 as of the day and year first above written.

CITY OF MARYSVILLE

By:

Jon Nehring, Mayor

By:_____ Its_____

ATTEST/AUTHENTICATED:

April O'Brien, Deputy City Clerk

APPROVED AS TO FORM:

Jon Walker, City Attorney

PROFESSIONAL SERVICES AGREEMENT - Supplemental 1 - Page 2 of 2

EXHIBIT A1

SCOPE OF WORK FEE DETERMINATION

SUPPLEMENTAL AGREEMENT NO. 1 FIRST STREET BYPASS PROJECT

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EXHIBIT A1 - SCOPE OF WORK FOR PLANS, SPECIFICATIONS, AND ESTIMATE MODIFICATIONS CITY OF MARYSVILLE FIRST STREET BYPASS PROJECT NO. R0901

PROJECT BACKGROUND AND OBJECTIVES

No changes to this section.

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EXHIBIT A1 SCOPE OF WORK FOR ENGINEERING SERVICES FIRST STREET BYPASS

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2.0	SURVEY AND BASE MAPPING
3.0	TRAFFIC ANALYSIS
4.0	GEOTECHNICAL ENGINEERING 4 4.1 Geotechnical Investigation and Reports 4 4.1.1 Data Collection and Review 4 4.1.2 Field Investigation 4 4.1.3 Laboratory Testing 5 4.1.4 Geotechnical Analysis 5 4.1.5 Geotechnical Data and Engineering Report 5
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INTRODUCTION

GENERAL PROJECT ASSUMPTIONS

The following additional list of assumptions is included to confirm the understanding between the CITY and the CONSULTANT and will be used to guide the work.

• Because of the adjacent soil conditions, it is anticipated that low-impact design (LID) will be possible along First Street between State and Alder avenues.

The following detailed task descriptions define the scope of work (and associated engineering fee estimate) for the authorized tasks addressing the final design phase of the project.

1.0 GENERAL ACTIVITIES

No change to this task.

2.0 SURVEY AND BASE MAPPING No change to this task.

3.0 TRAFFIC ANALYSIS

No change to this task.

4.0 GEOTECHNICAL ENGINEERING

No change to this task. See subtask changes below.

- **4.1 Geotechnical Investigation and Reports** No change to this subtask.
- **4.1.1 Data Collection and Review** No change to this subtask.

4.1.2 Field Investigation

This subtask is supplemented with the following.

The SUBCONSULTANT will use results from soils testing on adjacent projects (First Street LID and Third Street improvements) to establish baseline infiltration rates. The CITY will also core existing pavement sections as needed for SUBCONSULTANT use in pavement design.

Assumptions

- The CITY will provide infiltration testing results from adjacent projects. This is currently assumed to be 2 inches per hour.
- CITY crews will core existing pavement as needed by the SUBCONSULTANT for their pavement design efforts. The SUBCONSULTANT expects to require three cores.

Deliverables

Page 4 of 21

Infiltration results will be included in the geotechnical data and engineering report.

4.1.3 Laboratory Testing

No change to this subtask.

4.1.4 Geotechnical Analysis

No change to this subtask.

4.1.5 Geotechnical Data and Engineering Report No change to this subtask.

5.0 SCHEMATIC DESIGN

5.1 Preliminary Concepts

Based on meetings and discussions with the CITY, the CONSULTANT shall provide a single (rather than up to three) preliminary concept for the First Street corridor. The concept will identify critical design elements for the First Street Bypass corridor and will address First Street intersections; roadway alignment; cross section; all roadway features within the ROW, including illumination; and any improvements to adjacent roadways. No screening will be required.

Assumptions

- The concept will provide a 12-foot shared use path on the south side of First Street, with a bicycle lane but no sidewalk on the north side between Alder Avenue and 47th Avenue.
- Bioretention facilities of 6 feet 6 inches will be provided on the north and south side of First Street between State Avenue and Alder Avenue.

A boulevard strip will be provided on the south side of First Street between Alder Avenue and 47th Avenue.

Deliverables

- Draft summary design memorandum
- Final summary design memorandum

6.0 PERMITTING PS&E

No change to this task.

6.7 Waterline (NEW SUBTASK)

The CONSULTANT shall propose a waterline to be installed in the First Street roadway from State Avenue to 47th Avenue to the CITY for review and comment at the completion of the preliminary design phase of the project. The CONSULTANT shall provide a preliminary water system schematic for CITY review. The CONSULTANT shall incorporate the CITY's comments for final PS&E submittal.

Assumptions

Page 5 of 21

- Water facilities will be located approximately four feet from the face of curb on the north side of First Street.
- Hydrants will be included in the layout.
- Water service stub locations will be coordinated with the CITY.
- CONSULTANT will make waterline connections at Quinn Avenue and 47th Avenue NE to create loops and eliminate dead ends.
- Waterline shall be located to avoid impacts and/or relocation due to future widening of First Street to the north in the future.

7.0 STORM DRAINAGE DESIGN

7.1 Storm Drain Design

The CONSULTANT shall perform the following.

• Design project stormwater facilities, including pipes, inlets, catch basins, associated structures, and biofiltration facilities.

Assumptions

- Stormwater runoff from the project will be conveyed to bioretention facilities between State Avenue and Alder Avenue on both sides of First Street.
- Stormwater runoff will infiltrate between State and Alder avenues. The infiltration rate will be tested during geotechnical investigations.
- Flow increases to the downstream onsite system from First Street shall be quantified and provided to the CITY for review and consideration. The CITY is prepared to manage flow increases with ongoing stormwater management practices.

7.2 Stormwater Treatment Pond and/or LID Facilities

This subtask is supplemented with the following.

The CONSULTANT shall also perform an analysis of areas adjacent to the roadway corridor and within the project footprint to determine their appropriateness and feasibility to install LID facilities, such as biofiltration facilities. It is expected the analysis will indicate that the available area for LID facilities is adequate for treating runoff, and the CONSULTANT shall develop contract documents to include these facilities.

Assumptions

 Stormwater runoff from the project will be collected and conveyed to biofiltration facilities located between State Avenue and Alder Avenue, on both sides of First Street.

Deliverables

- Draft drainage report (one electronic and two hard copy)
- Final drainage report (one electronic and two hard copy)

7.3 Stormwater Hydroperiod Analysis (NEW SUBTASK)

The CONSULTANT shall perform a hydroperiod analysis of stormwater runoff flowing into existing wetland areas to determine the impact on the wetland hydrology.

Assumption(s)

• All necessary stormwater runoff information is currently available to the CONSULTANT through the city.

Deliverable(s)

- Draft hydroperiod analysis (one electronic and two hard copy)
- Final hydroperiod analysis (one electronic and two hard copies)

8.0 RIGHT-OF-WAY AND PLAN PREPARATION

No change to this task.

9.0 90 PERCENT AND FINAL ROADWAY DESIGN PS&E

The CONSULTANT shall propose plantings to be installed in the bioretention facilities and street trees and plantings for the boulevard and wetland seeding to the CITY for review and comment at the completion of the preliminary design phase of the project. The CONSULTANT shall provide a preliminary irrigation system schematic for CITY review. The CONSULTANT shall incorporate the CITY's comments for final plans, specifications, and cost estimates (PS&E) submittal.

Assumptions

- Bioretention facilities between State and Alder Avenues will be planted to match the character shown between State Avenue and Cedar Avenue for the First Street Low Impact Development and Road Improvement Project.
- Ornamental plantings will be provided in the boulevard on the south side of First Street between Alder Avenue and 47th Avenue. An irrigation system will be designed for this area.
- Underground drip irrigation will be provided for temporary irrigation of the planted bioretention facilities and boulevard along First Street.
- Only seeding will be required in the temporarily impacted wetland areas.
- No temporary irrigation will be required to establish wetland plants.

New utility plans, including relocation of the waterline from State Avenue to 47th Avenue, will also be included.

EXHIBIT A1

10.0 STRUCTURAL ENGINEERING

No change to this task.

- **11.0 ENVIRONMENTAL PERMITTING AND SUPPORT** No change to this task.
- **12.0 UTILITY COORDINATION** No change to this task.
- **13.0 SIGNAL AND ILLUMINATION DESIGN** No change to this task.
- **14.0 DIRECTED SERVICES** No change to this task.
- **15.0 AD, BID, AND AWARD** No change to this task.

DESIGN CRITERIA TO BE USED FOR THE PROJECT

No change to the design criteria.

ITEMS TO BE FURNISHED TO THE CONSULTANT BY THE CITY

No change to this list.

SCHEDULE

No change to the schedule.

EXHIBIT A1 SUPPLEMENTAL AGREEMENT NO. 1 EXHIBIT E-1: CONSULTANT FEE DETERMINATION FIRST STREET BYPASS

DIRECT SALARY COSTS (DSC) for BergerABAM, Inc.

	Personnel	Hours		Hourly Rate		Direc	ct Salary Cos
1	Principal	0	x	\$90.63	=	\$	-
2	Project Manager	64	х	\$59.86	=	\$	3,831.0
3	Project Engineer	180	X	\$41.35	=	\$	7,443.0
4	Civil Designer	0	X	\$40.10	=	\$	-
5	Natural Resources	4	х	\$49.60	=	\$	198.4
6	Landscape Architect	55	х	\$48.50	=	\$	2,667.5
7	CADD/Graphics	160	Х	\$38.14	=	\$	6,102.4
8	Proj Coord/Admin	0	Х	\$34.72	=	\$	-
	·	463		-			
		тот	AL DIRECT	SALARY COST	S (DSC) =	\$	
			E	scalation =	7.50%	\$	21,76
		Overhead (OH)	168.00%	o	f (DSC) =	\$	36,55
		Profit	10.00%	of (DS	C + OH) =	\$	5,83
		ΤΟΤΑΙ	SALARY C	OSTS (DSC + C	H + FF) =	\$	62,63
	Mileage for Site Visits & M		250 EIMBURSAB	miles @ \$ BLE EXPENSES		\$ \$	
	Mileage for Site Visits & N		EIMBURSAB	LE EXPENSES	(DNSC) =	\$	13
	Mileage for Site Visits & N		EIMBURSAB		(DNSC) =	\$	13
300	DNSULTANTS		EIMBURSAB	LE EXPENSES	(DNSC) =	\$	13
300	DNSULTANTS DKS Associates		EIMBURSAB	LE EXPENSES	(DNSC) =	\$ \$	13 13 62,76
300	DNSULTANTS DKS Associates Shannon and Wilson		EIMBURSAB	LE EXPENSES	(DNSC) =	\$ \$ \$	13
300	DNSULTANTS DKS Associates Shannon and Wilson Beyler Consulting		EIMBURSAB	LE EXPENSES	(DNSC) =	\$ \$	13
300	DNSULTANTS DKS Associates Shannon and Wilson Beyler Consulting Universal Field Services		EIMBURSAB	LE EXPENSES	(DNSC) =	\$ \$ \$	13
300	DNSULTANTS DKS Associates Shannon and Wilson Beyler Consulting Universal Field Services Drayton Archaeology		EIMBURSAB	LE EXPENSES	(DNSC) =	\$ \$ \$	13
300	DNSULTANTS DKS Associates Shannon and Wilson Beyler Consulting Universal Field Services		EIMBURSAB	LE EXPENSES	(DNSC) =	\$ \$ \$	13
300	DNSULTANTS DKS Associates Shannon and Wilson Beyler Consulting Universal Field Services Drayton Archaeology		EIMBURSAB	LE EXPENSES	(DNSC) = AM FEE =	\$ \$ \$	13
300	DNSULTANTS DKS Associates Shannon and Wilson Beyler Consulting Universal Field Services Drayton Archaeology		EIMBURSAB	LE EXPENSES	(DNSC) = AM FEE =	\$ \$ \$	13
300	DNSULTANTS DKS Associates Shannon and Wilson Beyler Consulting Universal Field Services Drayton Archaeology		TOTAL SU	LE EXPENSES	(DNSC) = AM FEE = T FEES =	\$ \$ \$ \$	13

EXHIBIT A1

SUPPLEMENTAL AGREEMENT NO. 1 FIRST STREET BYPASS PROJECT

EXHIBIT E - PROJECT FEE DETERMINATION BERGERABAM INC - BLENDED HOURLY RATES BY JOB CLASSIFICATION

		Base Wage		Blended Hourly
Classification	Name	Rate	% Participation	Rate
Officer	Bob Fernandes	\$90.63	100%	
	20070	400,00	100%	\$90.63
Project Manager	Ross French	\$59.86	100%	
i ojoot managoi		400.00	100%	\$59.86
Project Engineer	Jessica Aquilar	\$52.93	20%	
r rojest Engineer	Susann Babaei	\$38,46	80%	
		400 .10	100%	\$41.35
Civil Designer	John Reyes	\$39.81	80%	
	Lee Childress	\$41.20	20%	
			100%	\$40.10
Environmental Scientist	Dan Roscoe	\$45.34	80%	
	Brian Carrico	\$66.82	20%	
			100%	\$49.60
Landscape Architecture	Sam Jones	\$32.36	20%	
	Dan Wojtala	\$46.83	60%	
	David Sacamano	\$69.57	20%	
			100%	\$48.50
CADD Operators/Graphics	Jef Blake	\$53.32	20%	
	Mark Enos	\$33.70	70%	
	Aaron Savage	\$38.85	10%	
			100%	\$38.14
Project Coordinator/Admin	Nora Bretana	\$33.70	10%	
	Kelly Robinson	\$34.23	70%	
	Madeleine Dulemba	\$49.00	10%	
	Laura Townsend	\$24.90	10%	
			100%	\$34.72

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	F A 1 DNSULTAN BYPASS	T FEE DETERMINATION SUPPLEMENTAL AGR	EEWIENT	NO. I				FIK	ST STREE		BergerA
			Project Exec	Proj. Mgr	Project Engr	Civil Designer	Environ. Scientist	Landscape Architect	Graphics/ CADD	Project Coord/ Admin	Berg AB/ Hou
1.0	GENER	ALACTIVITIES									
	1.1	Project Management and Invoicing									
		Assume 24 months duration @ 4 hours each month									
		Subtotal: Subtask 1.1									
	4.0	0									
	1.2	Consultant Team Meetings and Coordination Assume 2 meetings per month for 2 months @ 1 hrs each									
		Subtotal: Subtask 1.2									
	1.3	Meetings and Coordination with City of Marysville									
		Assume 1 meeting per month for 2 months @ 4 hours each									
		Subtotal: Subtask 1.3									
		Subiolal Sublash 1.5									
	1.4	Quality Assurance									
		Subtotal: Subtask 1.4									
		Subtotal: Task 1.0 General Activities									
2.0	SURVE	Y AND BASE MAPPING									
-					To be per	formed by	Beyler C	onsulting			
			0								
		Coordination with Surveyor and Review of Data									
		Coordination with Surveyor and Review of Data Subtotal: Task 2.0 Survey And Base Mapping									
3.0	TRAFFI	Subtotal: Task 2.0 Survey And Base Mapping									
3.0	TRAFFI	Coordination with Surveyor and Review of Data Subtotal: Task 2.0 Survey And Base Mapping									_
3.0	TRAFFI	Subtotal: Task 2.0 Survey And Base Mapping C ANALYSIS Coordination with Traffic Engineer and Review of Data			To 	be perfor	med by D	KS			
3.0	TRAFFI	Subtotal: Task 2.0 Survey And Base Mapping			То	be perfor					
		Subtotal: Task 2.0 Survey And Base Mapping C ANALYSIS Coordination with Traffic Engineer and Review of Data			To 	be perfor	med by D	KS			
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<u>4.0</u> 5.0	GEOTE	Subtotal: Task 2.0 Survey And Base Mapping C ANALYSIS Coordination with Traffic Engineer and Review of Data Subtotal: Task 3.0 Traffic Analysis CHNICAL ENGINEERING Coordination with Geotechnical Engineer and Review of Data Subtotal: Task 4.0 Geotechnical Engineering IATIC DESIGN Draft Alternatives Analysis Meetings (3), includes preparation Draft Summary Memo Comment Resolution & Final Memo Subtotal: Task 5.0 Schematic Design TTING PLANS (30% PS&E)	0	 7, 	To o be perfo	be perfor	med by D Shannon	KS and Wilso, 	 7		
<u>4.0</u> 5.0	GEOTE	Subtotal: Task 2.0 Survey And Base Mapping C ANALYSIS Coordination with Traffic Engineer and Review of Data Subtotal: Task 3.0 Traffic Analysis CHNICAL ENGINEERING Coordination with Geotechnical Engineer and Review of Data Subtotal: Task 4.0 Geotechnical Engineering HATIC DESIGN Draft Alternatives Analysis Meetings (3), includes preparation Draft Summary Memo Comment Resolution & Final Memo	0	 7, 	To o be perfo	be perfor	med by D Shannon	KS and Wilso, 	 7		

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BIT A1 CONSULTAN F BYPASS	NT FEE DETERMINATION SUPPLEMENTAL AGR	EEMENT	NO. 1				FIRS	ST STREE		S PRO. Berger/
		Project Exec	Proj. Mgr	Project Engr	Civil Designer	Environ Scientist	Landscape Architect	Graphics/ CADD	Project Coord/ Admin	Be AB Ho
	Subtotal: Subtask 6.1 Preliminary Roadway Plan (7 Sheets)									
6.2	Preliminary Roadway Profile (7 sheets)									
-	Subtotal: Subtask 6.2 Preliminary Roadway Profile (7 Sheets)									
6.3	Cross Sections (2 sheets)									
1										-
	Subtotal: Subtask 6.3 Cross Sections (2 Sheets)									
6.4	Channelization Plans (7 sheets)									
									_	
	Subtotal: Subtask 6.4 Channelization Plans (7 Sheets)									
6.5	Drainage Plans and Profiles (10 sheets)									
	Subtotal: Subtask 6.5 Drainage Plans And Profiles (10 Sheets)									
6.6	Reviews and Draft Summary of Design Criteria									
	Subtotal: Subtask 6.6 Reviews And Draft Summary Of Design Criteria									_
6.7	Irrigation and Landscape (New Subtask)									
										-
	Subtotal: Subtask 6.7 Irrigation And Landscape (New Subtask)									
6.8	Waterline (New Subtask)		4	20				20		-
										-
	Subtotal: Subtask 6.8 Waterline (New Subtask)		4	20				20		
A STOP	Subtotal: Task 6.0 Permitting Plans (30% Ps&E)		4	20				20		
U STOR				1,000						
7.1	Storm Drainage Design Collect Existing Information									-
	Draft Drainage Report									
	Address Comments									
	Final Drainage Report									
7.2	Stormwater Treatment Pond and/or LID Facilities									
7.3	Hydroperiod Analysis									
1.5	nyuropenou Analysis		4	16		4				

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4 16

4

....

Subtotal: Task 7.0 Storm Drainage Design ----

10/31/17

.....

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EXHIBIT A1 EXHIBIT E-1 - CONSULTANT FEE DETERMINATION FIRST STREET BYPASS	SUPPLEMENTAL AGREEMENT NO. 1					FIRS	S PROJECT BergerABAM Labor 10/30/2017		
	Project Exec	Proj Mgr	Project Engr	Civil Designer	Environ Scientist	Landscape Architect	Graphics/ CADD	Project Coord/ Admin	Berger ABAM Hours
8.0 RIGHT OF WAY AND PLAN PREPARATION 8.1 Research									

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ET BYPASS	NT FEE DETERMINATION									Berge
		Project Exec	Proj. Mgr	Project Engr	Civil Designer	Environ. Scientist	Landscape Architect	Graphics/ CADD	Project Coord/ Admin	B A H
	Subtotal: Subtask 8.1 Research									
8.2	Right of Way Plans									
	See Sheet Count Below									
	Subtotal: Subtask 8.2 Right Of Way Plans									
										_
8.3	Right of Way Acquisition Services		To be per	formed b	y Univers	al Field S	ervices			
	Coordination with Universal Field Services		and her		,					
	Subtotal: Subtask 8.3 Right Of Way Acquisition Services									_
	Subtotal: Task 8.0 Right Of Way And Plan Preparation									
9.0 90 PE	RCENT, AND FINAL P,S&E									
9.0	90 Percent, and Final P.S&E									
3.0	Prepare Construction Drawings - See Sheet Count Below	-	56	140	-	-	35	140	-	
	Special Provisions						12			
				4			8			
	Engineers' Estimate									-
_	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E		56	144			55	140		
10.0 STRU	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E		56					140		
10.0 STRU	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E		56				55	140		
10.0 STRU	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task			144						
	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task Subtotal: Task 10.0 Structural Engineering			144			55			
11.0 ENVI	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task Subtotal: Task 10.0 Structural Engineering RONMENTAL DOCUMENTATION AND COMMITMENTS			144						
	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task Subtotal: Task 10.0 Structural Engineering			144						
11.0 ENVI	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task Subtotal: Task 10.0 Structural Engineering RONMENTAL DOCUMENTATION AND COMMITMENTS			144						
11.0 ENVII	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task Subtotal: Task 10.0 Structural Engineering RONMENTAL DOCUMENTATION AND COMMITMENTS Geotechnical Investigation Permits Subtotal: Subtask 11.1 Geotechnical Investigation Permits			144						
11.0 ENVI	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task Subtotal: Task 10.0 Structural Engineering RONMENTAL DOCUMENTATION AND COMMITMENTS Geotechnical Investigation Permits			144						
11.0 ENVII	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task Subtotal: Task 10.0 Structural Engineering RONMENTAL DOCUMENTATION AND COMMITMENTS Geotechnical Investigation Permits Subtotal: Subtask 11.1 Geotechnical Investigation Permits			144						
11.0 ENVII	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task 10.0 Structural Engineering RONMENTAL DOCUMENTATION AND COMMITMENTS Geotechnical Investigation Permits Subtotal: Subtask 11.1 Geotechnical Investigation Permits State Environmental Policy Act									
11.0 ENVI 11.1 11.2	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task Subtotal: Task 10.0 Structural Engineering RONMENTAL DOCUMENTATION AND COMMITMENTS Geotechnical Investigation Permits Subtotal: Subtask 11.1 Geotechnical Investigation Permits State Environmental Policy Act USACE Section 404 Permit (Wetland Fill)									
11.0 ENVI 11.1 11.2	Subtotal: Subtask 9.0 90 Percent, And Final P,S&E ICTURAL ENGINEERING Design and PS&E for Structural Earth Walls Supporting the Roadway Subtotal: Task 10.0 Structural Engineering RONMENTAL DOCUMENTATION AND COMMITMENTS Geotechnical Investigation Permits Subtotal: Subtask 11.1 Geotechnical Investigation Permits State Environmental Policy Act Subtotal: Subtask 11.2 State Environmental Policy Act									

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										Project	Berge
			Project	Proj	Project	Civil	Environ	Landscape	Graphics/	Coord/	ABAN
			Exec	Mgr	Engr	Designer	Scientist	Architect	CADD	Admin	Hours
		Subtotal: Subtask 11.4 Wdfw Hydraulic Project Approval									
11.5	City of Marysville I	Permits									-
		Subtotal: Subtask 11.5 City Of Marysville Permits									5-
	Subtotal: 1	Task 11.0 Environmental Documentation And Commitments									-
12.0 UTILITY	COORDINATION										
		Subtotal: Task 12.0 Utility Coordination									-

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EXHIBIT A1 BIT E-1 - CONSULTANT FEE DETERMINATION	SUPPLEMENTAL AGR	EEMENT	NO. 1				FIRS	ST STREE	T BYPAS	S PROJECT
T STREET BYPASS										BergerABAM Labo 10/30/201
		Project Exec	Proj. Mgr	Project Engr	Civil Designer	Environ Scientist	Landscape Architect	Graphics/ CADD	Project Coord/ Admin	Berger ABAM Hours
	Subtotal: Task 13.0 Signal And Illumination Design									
14.0 DIRECTED SERVICES										
	Subtotal: Task 14.0 Directed Services									
15.0 AD, BID, AND AWARD										
	Subtotal: Task 15.0 Ad, Bid, And Award									
PROJECT TOTAL			64	180		4	55	160		463

eneral Sheets	L	
COVER SHEET AND VICINITY MAP - SHEET 1	L	
DRAWING INDEX AND GENERAL NOTES - SHEET 1	L	
LEGEND AND ABBREVIATIONS - SHEET 1	l	
Civil Sheets	I	
SURVEY CONTROL AND ALIGNMENT - SHEET 1	I	
SURVEY CONTROL AND ALIGNMENT - SHEET 2		
SURVEY CONTROL AND ALIGNMENT - SHEET 3		
SURVEY CONTROL AND ALIGNMENT - SHEET 4	ł	
ROADWAY SECTIONS - SHEET 1	I	
ROADWAY SECTIONS - SHEET 2		
ROADWAY SECTIONS - SHEET 3		
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 1	I	
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 2	I	
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 3		
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 4	ł	
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 5	I	
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 6		
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 7		
SITE PREPARATION AND EROSION CONTROL DETAILS - SHEET 1		
ROADWAY PLAN AND PROFILE - SHEET 1		
ROADWAY PLAN AND PROFILE - SHEET 2	н	
ROADWAY PLAN AND PROFILE - SHEET 3	н	
ROADWAY PLAN AND PROFILE - SHEET 4		
ROADWAY PLAN AND PROFILE - SHEET 5		
ROADWAY PLAN AND PROFILE - SHEET 6		
ROADWAY PLAN AND PROFILE - SHEET 7	L	

10/31/17

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EXHIBIT A1 T E-1 - CONSULTANT FEE DETERMINATION STREET BYPASS	SUPPLEMENTAL AGRI	SESIVIESIN I	NO. 1				EIR	I SIREE		S PROJECT BergerABAM L 10/30
		Project Exec	Proj. Mgr	Project Engr	Civil Designer	Environ Scientist	Landscape Architect	Graphics/ CADD	Project Coord/ Admin	Berger ABAM Hours
	DRAINAGE DETAILS - SHEET 1									1 - 1
	DRAINAGE DETAILS - SHEET 2									
	DRAINAGE DETAILS - SHEET 3									
	DRAINAGE DETAILS - SHEET 4									-
	CHANNELIZATION AND SIGNING PLANS - SHEET 1									1 - 1
	CHANNELIZATION AND SIGNING PLANS - SHEET 2									
	CHANNELIZATION AND SIGNING PLANS - SHEET 3									1 - 1
	CHANNELIZATION AND SIGNING PLANS - SHEET 4									1 - 1
	CHANNELIZATION AND SIGNING PLANS - SHEET 5									-
	CHANNELIZATION AND SIGNING PLANS - SHEET 6									
	CHANNELIZATION AND SIGNING PLANS - SHEET 7									-
C	HANNELIZATION AND SIGNING DETAILS - SHEET 1									-
	INTERSECTION PLAN - SHEET 1									-
	INTERSECTION PLAN - SHEET 2									-
	INTERSECTION PLAN - SHEET 3									
	GRADING AND PAVING PLAN - SHEET 1									
	GRADING AND PAVING PLAN - SHEET 2									1 - 1
	GRADING AND PAVING PLAN - SHEET 3									
	GRADING AND PAVING PLAN - SHEET 4									
	GRADING AND PAVING PLAN - SHEET 5									1.1
	GRADING AND PAVING PLAN - SHEET 6									
	GRADING AND PAVING PLAN - SHEET 7									
1	MISCELLANOUS DETAILS - SHEET 1									
	MISCELLANOUS DETAILS - SHEET 2									
	MISCELLANOUS DETAILS - SHEET 3									-
	PLANTING PLANS - SHEET 1									-
	PLANTING PLANS - SHEET 1 PLANTING PLANS - SHEET 2									
										-
	PLANTING PLANS - SHEET 3									
	PLANTING PLANS - SHEET 4						4			4
	PLANTING PLANS - SHEET 5						4			4
	IRRIGATION PLANS - SHEET 1									-
	IRRIGATION PLANS - SHEET 2									1 - 1
	IRRIGATION PLANS - SHEET 3									
	IRRIGATION PLANS - SHEET 4						6			6
	IRRIGATION PLANS - SHEET 5						6			6
	LANDSCAPE DETAILS - SHEET 1						2			2
	IRRIGATION DETAILS - SHEET 2									-
	IRRIGATION DETAILS - SHEET 3									
	UTILITY PLANS - SHEET 1		4	10				10		24
	UTILITY PLANS - SHEET 2		4	10				10		24
	UTILITY PLANS - SHEET 3		4	10				10		24
l l	UTILITY PLANS - SHEET 4		4	10				10		24
1	UTILITY PLANS - SHEET 5		4	10				10		24

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EXHIBIT A I EXHIBIT E-1 - CONSULTANT FEE DETER FIRST STREET BYPASS	SUPPLEMENTAL AGRE	EEMENT	NO. 1				FIRS	ST STREE	Г ВŸРАЗ	S PROJECT BergerABAM Labo 10/30/2013
		Project Exec	Proj. Mgr	Project Engr	Civil Designer	Environ Scientist	Landscape Architect	Graphics/ CADD	Project Coord/ Admin	Berger ABAM Hours
	UTILITY DETAILS - SHEET 1 JI ral Sheets STRUCTURAL EARTH WALL PLAN AND PROFILE - SHEET 1 STRUCTURAL EARTH WALL PLAN AND PROFILE - SHEET 2 STRUCTURAL EARTH WALL PLAN AND PROFILE - SHEET 3 STRUCTURAL EARTH WALL SECTION - SHEET 1		8	20				20		48

10/31/17

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								Project	Berge
	Project Exec	Proj. Mgr.	Project Engr.	Civil Designer	Environ. Scientist	Landscape Architect	Graphics/ CADD	Coord/ Admin	ABAN
RAILING DETAILS - SHEET 1									I -
RAILING DETAILS - SHEET 2									-
SUBTOTAL PS&E 90% DRAWINGS	-	28	70	-	-	22	70	•	19
			_						
100%/FINAL PS&E		a secondaria.		41.0.50		1000			T
General Sheets									
COVER SHEET AND VICINITY MAP - SHEET 1									-
DRAWING INDEX AND GENERAL NOTES - SHEET 1									-
LEGEND AND ABBREVIATIONS - SHEET 1									
Civil Sheets									
SURVEY CONTROL AND ALIGNMENT - SHEET 1									
SURVEY CONTROL AND ALIGNMENT - SHEET 2									_
SURVEY CONTROL AND ALIGNMENT - SHEET 3									
SURVEY CONTROL AND ALIGNMENT - SHEET 4									
ROADWAY SECTIONS - SHEET 1									
ROADWAY SECTIONS - SHEET 2									
ROADWAY SECTIONS - SHEET 3									-
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 1									-
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 2									
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 3									
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 4									
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 5									
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 6									
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 7									
SITE PREPARATION AND EROSION CONTROL PLAN - SHEET 7									
ROADWAY PLAN AND PROFILE - SHEET 1									
ROADWAY PLAN AND PROFILE - SHEET 1 ROADWAY PLAN AND PROFILE - SHEET 2									
ROADWAY PLAN AND PROFILE - SHEET 2 ROADWAY PLAN AND PROFILE - SHEET 3									
ROADWAY PLAN AND PROFILE - SHEET 3 ROADWAY PLAN AND PROFILE - SHEET 4									
ROADWAY PLAN AND PROFILE - SHEET 5									1
ROADWAY PLAN AND PROFILE - SHEET 5 ROADWAY PLAN AND PROFILE - SHEET 5									
ROADWAY PLAN AND PROFILE - SHEET 7									
DRAINAGE DETAILS - SHEET 1									- C
DRAINAGE DETAILS - SHEET 1 DRAINAGE DETAILS - SHEET 2									1
DRAINAGE DETAILS - SHEET 3									-
DRAINAGE DETAILS - SHEET 4									
CHANNELIZATION AND SIGNING PLANS - SHEET 1									-
CHANNELIZATION AND SIGNING PLANS - SHEET 2									
CHANNELIZATION AND SIGNING PLANS - SHEET 3									
CHANNELIZATION AND SIGNING PLANS - SHEET 4									
CHANNELIZATION AND SIGNING PLANS - SHEET 5									
CHANNELIZATION AND SIGNING PLANS - SHEET 6									1

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FIRST STREET	BYPASS PROJECT
	BergerABAM Labor
	10/30/2017

SUPPLEMENTAL AGREEMENT NO. 1

EXHIBIT A1 EXHIBIT E-1 - CONSULTANT FEE DETERMINATION FIRST STREET BYPASS

	Project Exec	Proj. Mgr	Project Engr	Civil Designer	Environ Scientist	Landscape Architect	Graphics/ CADD	Project Coord/ Admin	Berg ABA Hou
CHANNELIZATION AND SIGNING PLANS - SHEET 7									-
CHANNELIZATION AND SIGNING DETAILS - SHEET 1									-
INTERSECTION PLAN - SHEET 1									
INTERSECTION PLAN - SHEET 2									-
INTERSECTION PLAN - SHEET 3									
GRADING AND PAVING PLAN - SHEET 1									
GRADING AND PAVING PLAN - SHEET 2									
GRADING AND PAVING PLAN - SHEET 3									
GRADING AND PAVING PLAN - SHEET 4									1
GRADING AND PAVING PLAN - SHEET 5									
GRADING AND PAVING PLAN - SHEET 6									
GRADING AND PAVING PLAN - SHEET 7									
MISCELLANOUS DETAILS - SHEET 1									
MISCELLANOUS DETAILS - SHEET 2									
MISCELLANOUS DETAILS - SHEET 3									
PLANTING PLANS - SHEET 1									
PLANTING PLANS - SHEET 2									
PLANTING PLANS - SHEET 3						2			
PLANTING PLANS - SHEET 4						2			
PLANTING PLANS - SHEET 5 IRRIGATION PLANS - SHEET 1						2			
IRRIGATION PLANS - SHEET T									
IRRIGATION PLANS - SHEET 2 IRRIGATION PLANS - SHEET 3									
IRRIGATION PLANS - SHEET 4						4			
IRRIGATION PLANS - SHEET 5						4			
LANDSCAPE DETAILS - SHEET 1						1			
IRRIGATION DETAILS - SHEET 2									
IRRIGATION DETAILS - SHEET 3									
UTILITY PLANS - SHEET 1		4	10				10		
UTILITY PLANS - SHEET 2		4	10				10		
UTILITY PLANS - SHEET 3		4	10				10		
UTILITY PLANS - SHEET 4		4	10				10		
UTILITY PLANS - SHEET 5		4	10				10		
UTILITY DETAILS - SHEET 1		8	20				20		
Structural Sheets									
STRUCTURAL EARTH WALL PLAN AND PROFILE - SHEET 1									
STRUCTURAL EARTH WALL PLAN AND PROFILE - SHEET 2									
STRUCTURAL EARTH WALL PLAN AND PROFILE - SHEET 3									
STRUCTURAL EARTH WALL SECTION - SHEET 1									
RAILING DETAILS - SHEET 1									
RAILING DETAILS - SHEET 2 SUBTOTAL PS&E 100%/FINAL DRAWINGS		28	70	-	-	13	70		

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	Project Exec	Proj Mgr	Project Engr	Civil Designer	Environ. Scientist	Landscape Architect	Graphics/ CADD	Project Coord/ Admin	Berge ABAM Hour
ROW									
General Sheets									
COVER SHEET WITH VICINITY MAP AND INDEX - SHEET 1									-
GENERAL NOTES AND ABBREVIATIONS - SHEET 1									
Civil Sheets									1
RIGHT OF WAY OVERVIEW - SHEET 1									
RIGHT OF WAY PLAN - SHEET 1									
RIGHT OF WAY PLAN - SHEET 2									
RIGHT OF WAY PLAN - SHEET 3									
RIGHT OF WAY PLAN - SHEET 4									
RIGHT OF WAY PLAN - SHEET 5									
RIGHT OF WAY PLAN - SHEET 6									
SUBTOTAL PS&E CIVIL/ROADWAY DRAWINGS		-	-		-	-	-	-	

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SUPPLEMENTAL AGREEMENT NO. 1

FIRST STREET BYPASS PROJECT BergerABAM Labor 10/30/2017

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EXHIBIT A1 EXHIBIT E-1 - CONSULTANT FEE DETERMINATION FIRST STREET BYPASS

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