

Local Agency A&E Professional Services Supplemental Agreement	Consultant/Address/Telephone WSP USA, Inc. 101 Fourth Avenue, Suite 3100 Seattle, WA 98154	
Supplement Number Supplement No. 1	Contact Name / E-Mail Address Greg Banks / greg.banks@wsp.com	
Agreement Number CCF02-22	Execution Date 12/16/2022	Completion Date 12/31/2027
Project Title Design Services, Granite Falls Bridge 102	New Maximum Amount Payable \$3,755,681.00	
Description of Work <i>Provide all design services necessary to complete final plans, special provision preparation and estimates (PS&E), to provide NEPA approval and permits, and to provide Construction Phase services for Granite Falls Bridge 102 that carries the Mountain Loop Highway over the South Fork of the Stillaguamish River.</i>		

The Local Agency of Snohomish County desires to supplement the Agreement entered into with **WSP USA, Inc.** and executed on December 16, 2022, and identified as Agreement No. **CCF02-22**. 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

The "Maximum Amount Payable" amount on the Agreement title page is amended as follows:

Maximum Amount Payable	\$3,755,681.00
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III

EXHIBIT A-1 Supplemental Scope of Work, attached hereto and by this reference made part of the original Agreement, as work to be performed under Exhibit A.

II

EXHIBIT E Sub-consultant Cost Computations – Fee Schedule, attached hereto and by this reference made part of the original Agreement, adds cost computations for the work to be performed by Equinox Research and Consulting, Inc. under Exhibit A-1 of this Agreement and hereby removes the ICF Jones and Stokes Fee Schedule and ICR Approval portions of the original EXHIBIT E and replaces them with the Fee Schedule and ICR Approval for Equinox Research and Consulting, Inc.

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.

By: **WSP USA, INC.**

By: **SNOHOMISH COUNTY**

Consultant Signature

Approving Authority Signature

Date

SCOPE OF WORK
DESIGN SERVICES FOR GRANITE FALLS BRIDGE NO. 102

INTRODUCTION

Originally, the following work was to be completed by Subconsultant, ICF Jones and Stokes. Due to staffing changes work completed for Task 50 will now be completed by Equinox Research and Consulting, Inc. (ERCI)

Including the scope shown below, all locations in the original Exhibit A that reference ICF Jones and Stokes are hereby replaced with Equinox Research and Consulting, Inc.

TASK 50.0 ENVIRONMENTAL DOCUMENTATION AND PERMITTING

The CONSULTANT team will support the AGENCY with the National Historic Preservation Act (NHPA) Section 106 and Section 4(f) compliance as noted in the following subtasks.

Subtask 50.1 Area of Potential Effects (APE) Development

ERCI under a subconsultant agreement with the CONSULTANT will conduct a review of existing records and information to aid in the preparation of the APE. The ERCI cultural resources lead will participate in one (1) two-hour cultural resources kick-off meeting with the CONSULTANT, AGENCY, and the WSDOT cultural resources lead. The meeting will be used to present an initial draft of the area of potential effects (APE), identify approaches to cultural resources field investigations, and identify potential cultural resources critical path issues.

Within two days of the meeting, ERCI will provide meeting participants with a meeting summary e-mail and provide a draft APE figure and narrative description to the AGENCY and WSDOT cultural resources lead for distribution to the Washington Department of Archaeology and Historic Preservation (DAHP) and consulting tribes for review.

Assumption(s)

- It is anticipated that the project site will be considered a traditional cultural property (TCP) by the Stillaguamish Tribe although as of the writing of this scope of work the Stillaguamish Tribe has not formally documented the TCP. As such, it is assumed that impacts to the resource will need to be considered as part of the project. This likely will be a critical path activity.
- It is assumed that demolition and removal of the existing bridge will be determined to be an adverse effect to a historic property eligible for the National Register and that resolving adverse effects will be addressed in Section 106 consultation.

Deliverable(s)

- Meeting Notes
- Draft APE Exhibit and Narrative

Subtask 50.2 Cultural Resources Survey and Documentation

ERCI will conduct a review of records using the Washington Department of Archaeology and Historic Preservation (DAHP) online cultural resources inventory database; as well as other pertinent literature on the archaeology, ethnography, and history of the project's APE; to identify previously recorded cultural resources

and assess the potential for encountering undocumented cultural resources within the APE. Additionally, ERCI will conduct research on the development history of the APE to establish a historic context for the area, which will aid in the identification and evaluation of resources that might be encountered during the cultural resources survey. Previous cultural resources studies, historic buildings and structures inventories, ethnographies, local histories, historic maps, and other primary and secondary research sources will be consulted. To obtain feedback regarding potential TCPs and resources considered significant to Native American tribes, ERCI will invite representatives from the Stillaguamish Tribe and Tulalip Tribes to the project to walk the APE and provide commentary and feedback.

ERCI will perform an archaeological survey of the APE. The archaeological survey will include both pedestrian survey and subsurface. The subsurface survey will consist of up to 40 shovel probes (hand dug holes, no more than 50 cm wide at the surface) in areas considered to have sensitivity for archaeological resources to determine whether buried archaeological deposits are present. Shovel probes will be excavated to a depth of approximately 100 centimeters or to Pleistocene aged or older sediments, or to dense gravel deposits of obstructing rocks, whichever is encountered first. Sediments from shovel probes and auguring will be screened through 1/4 inch mesh unless clearly identified as recent fill. Archaeologists will record the contents, stratigraphy, and location of each shovel probe, and photograph representative probes. All shovel probes will be backfilled upon completion.

ERCI will also perform a historic built resource reconnaissance of the APE. The reconnaissance will consist of walking the APE and photographing potential built resources from multiple angles and taking notes about the attributes and condition of the resources. ERCI anticipates that up to five (5) historic built resources, including the existing bridge to be replaced, will be located within or adjacent to the APE and will need to be formally documented and evaluated. ERCI will document these resources on Historic Property Inventory forms. If more than five historic built resources are identified, these resources would need to be documented and evaluated under a contract amendment.

ERCI will prepare draft and final versions of a cultural resources technical report that summarizes the results of the data collection, evaluate identified cultural resources, assess impacts, and present technical recommendations. The technical report will also include relevant figures and attachments. The report will meet state and federal standards for reporting as outlined in the guidelines provided by DAHP. Following internal review, the draft report will be provided to the CONSULTANT for distribution to the AGENCY project team in electronic PDF format for review and comment. ERCI will incorporate any comments and/or edits into a draft final version of the technical report, which will be provided to the CONSULTANT in electronic PDF format. The draft final version will be provided to the federal lead agency for review and comment. ERCI will incorporate any comments and/or edits into a final version of the technical report.

Assumption(s)

- ERCI anticipates that the Stillaguamish Tribe will request a visual impacts analysis and pedestrian foot traffic review for the Granite Falls TCP. ERCI will work with WSP to perform these analyses and integrate them into the project's cultural resources technical report. Following analysis, ERCI will participate in a meeting with Native American tribes to present findings and solicit additional feedback.
- ERCI anticipates that the Stillaguamish Tribe will request that documentation, evaluation, and impacts analysis for the Granite Falls TCP be included as a confidential attachment to the Technical Report. ERCI will author the attachment, which will include a summary of the TCP based on information provided by the Stillaguamish Tribe, an evaluation of the TCP, a formal impacts analysis using the cultural landscape evaluation approach, and technical recommendations related to potential project-related impacts to the TCP. The attachment will follow the same review schedule identified for the technical report.
- ERCI anticipates that one archaeological resource will be identified during archaeological survey. If archaeological deposits are identified, ERCI will excavate up to ten additional shovel probes and one test

unit (100 x 100-centimeter square hole) to delineate the extent of archaeological deposits and determine their depositional context. If additional archaeological investigations above-and-beyond those described above are needed, this work would need to be performed under a contract amendment. ERCI will document all archaeological resources identified during the survey on Washington State archaeological inventory forms.

Deliverable(s)

- Draft, Draft Final, and Final Cultural Resources Technical Report
- Response to Review Comments

Subtask 50.3 Consultation

The ERCI cultural resources lead will participate in up to four (4) one-hour meetings with the AGENCY, WSDOT, DAHP (as needed), affected tribes (as needed), and others as appropriate to discuss cultural resources findings.

Assumption(s)

- Consultation meetings will be conducted remotely.

Deliverable(s)

- Draft and final Consultation Meeting Notes

Subtask 50.4 Section 106 Memorandum of Agreement

Once a Section 106 finding of effects is established under Subtask 5.2, and following consultation with DAHP, affected tribes, and others under Subtask 5.3 to identify appropriate mitigation for adverse effects to historic properties, ERCI will develop a draft Section 106 memorandum of agreement (MOA). The draft MOA will identify the undertaking, responsible parties, mitigation stipulations, documentation and communication requirements, qualification requirements, dispute resolution procedures, and the agreement's period of performance. ERCI will provide the draft MOA to the AGENCY for review and distribution to the WSDOT cultural resources specialist for review and comment. ERCI will prepare a draft-final MOA addressing the AGENCY and WSDOT cultural resources specialists' comments, and then provide the draft-final MOA to the AGENCY for distribution to the WSDOT cultural resources specialist for distribution to the invited signatories for review. ERCI will develop a final MOA based on addressing comments obtained from the invited signatories and issue it to the AGENCY.

Assumption(s)

- Comments for each draft of the MOA will be provided in a single consolidated submittal.

Deliverable(s)

- Draft, Draft-Final, and Final Section 106 Memorandum of Agreement.

Subtask 50.5 Section 4(f) Evaluation

Based on the project's Section 106 findings of effects and a review of how the project will impact the existing historic bridge and recreational resources within and adjacent to the property, ERCI will prepare a draft Section 4(f) evaluation. This evaluation will be provided to the AGENCY and WSDOT Local Programs environmental lead for review. ERCI will finalize the Section 4(f) evaluation based on comments from the AGENCY and WSDOT.

Assumption(s)

- Comments for each draft of the Section 4(f) evaluation will be provided in a single consolidated submittal.

Deliverable(s)

- Draft and Final Section 4(f) Evaluation

Exhibit E Sub-consultant Cost Computations

Equinox Research and Consulting, Inc.

Subtask 50.1 Area of Potential Effects (APE) Development				
Description	Position Classification	Hours	Rate	Cost
Kick-off meeting	Principal Investigator	2.00	140.15	280.30
Tribal coordination	Principal Investigator	8.00	140.15	1,121.20
Write methodology (approach and critical path)	Senior Archaeologist (5)	11.00	89.69	986.59
Develop draft APE	Principal Investigator	2.00	140.15	280.30
GIS, Graphics, layout (APE development)	Senior Archaeologist (5)	8.00	89.69	717.52
Develop narrative description	Senior Archaeologist (5)	7.00	89.69	627.83
Total				4,013.74
Subtask 50.2 Cultural Resources Survey and Documentation				
Description	Position Classification	Hours	Rate	Cost
Records search	Senior Archaeologist (5)	8.00	89.69	717.52
Historic Context	Historian	25.00	78.48	1,962.00
Pedestrian and subsurface archaeological survey	Principal Investigator	3.50	140.15	490.53
Pedestrian and subsurface archaeological survey	Biological Anthropologist	1.00	112.12	112.12
Pedestrian and subsurface archaeological survey	Senior Archaeologist (5)	19.00	89.69	1,704.11
Pedestrian and subsurface archaeological survey	Archaeologist (5)	63.00	75.68	4,767.84
Archaeological site delineation, if identified	Senior Archaeologist (5)	24.00	89.69	2,152.56
Archaeological site inventory form	Senior Archaeologist (5)	5.00	89.69	448.45
Report writing (archaeological survey)	Senior Archaeologist (5)	25.00	89.69	2,242.25
Report Editing (archaeological survey)	Editor/Specialist	5.00	137.00	685.00
Report Revisions (archaeological survey)	Senior Archaeologist (5)	2.00	89.69	179.38
Transcription, data entry, document control (archaeological survey)	Archaeologist (5)	12.00	75.68	908.16
GIS and graphics (archaeological survey)	Senior Archaeologist (5)	10.00	89.69	896.90
Built Environment Field Reconnaissance	Architectural Historian	18.00	78.48	1,412.64
5 historic property inventories (HPIs) including bridge	Architectural Historian	26.00	78.48	2,040.48
6 historic property inventories (HPIs) including bridge	Historian	16.00	78.48	1,255.68
Technical report writing (built environment)	Architectural Historian	12.00	78.48	941.76
Technical report Editing (built environment)	Editor/Specialist	6.00	137.00	822.00
Transcription, data entry, document control (built environment)	Archaeologist (5)	6.00	75.68	454.08
GIS and graphics (built environment)	Senior Archaeologist (5)	19.00	89.69	1,704.11
Revisions (built environment)	Architectural Historian	3.00	78.48	235.44
Tribal coordination (Traditional Cultural Properties)	Principal Investigator	12.00	140.15	1,681.80
Visual Impacts Analysis (TCP)	Senior Archaeologist (5)	13.00	89.69	1,165.97
Pedestrian foot traffic analysis (TCP)	Senior Archaeologist (5)	13.00	89.69	1,165.97
Report writing (TCP)	Senior Archaeologist (5)	42.00	89.69	3,766.98
Report Editing (TCP)	Editor/Specialist	4.00	137.00	548.00
Revisions (TCP)	Senior Archaeologist (5)	3.00	89.69	269.07
Transcription, data entry, document control (TCP)	Archaeologist (5)	6.00	75.68	454.08
GIS and graphics (TCP)	Senior Archaeologist (5)	18.00	89.69	1,614.42
Total				36,799.30
Subtask 50.3 Consultation				
Description	Position Classification	Hours	Rate	Cost
Principal Investigator, 4 1-hour remote meetings	Principal Investigator	4.00	140.15	560.60
Office support	Senior Archaeologist (5)	16.00	89.69	1,435.04
Total				1,995.64
Subtask 50.4 Section 106 Memorandum of Agreement				
Description	Position Classification	Hours	Rate	Cost
Develop draft MOA	Principal Investigator	6.00	140.15	840.90
Writing (draft)	Senior Archaeologist (5)	17.00	89.69	1,524.73
Editing (draft)	Editor/Specialist	2.00	137.00	274.00
Transcription, data entry, document control (draft)	Archaeologist (5)	10.00	75.68	756.80
GIS, Graphics, layout (draft)	Senior Archaeologist (5)	4.00	89.69	358.76
Draft Final MOA	Principal Investigator	2.00	140.15	280.30
Writing (draft final)	Senior Archaeologist (5)	5.00	89.69	448.45
Editing (draft final)	Editor/Specialist	2.00	137.00	274.00
Transcription, data entry, document control (draft final)	Archaeologist (5)	6.00	75.68	454.08
GIS, Graphics, layout (draft final)	Senior Archaeologist (5)	4.00	89.69	358.76
Final MOA	Principal Investigator	1.00	140.15	140.15
Total				5,710.93
Subtask 50.5 Section 4 (f) Evaluation				
Description	Position Classification	Hours	Rate	Cost
Draft Section 4 (f) evaluation	Principal Investigator	8.00	140.15	1,121.20
Writing (draft)	Senior Archaeologist (5)	21.00	89.69	1,883.49

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Equinox Research and Consulting, Inc. (Continued)

Editing (draft)	Editor/Specialist	2.00	137.00	274.00
Transcription, data entry, document control (draft)	Archaeologist (5)	8.00	75.68	605.44
GIS, Graphics, layout (draft)	Senior Archaeologist (5)	10.00	89.69	896.90
Final Section 4 (f) evaluation	Principal Investigator	2.00	140.15	280.30
Writing (final)	Senior Archaeologist (5)	5.00	89.69	448.45
Writing (final)	Architectural Historian	7.00	78.48	549.36
Writing (final)	Historian	7.00	78.48	549.36
Editing (final)	Editor/Specialist	2.00	137.00	274.00
Transcription, data entry, document control (final)	Archaeologist (5)	10.00	75.68	756.80
GIS, Graphics, layout (final)	Senior Archaeologist (5)	6.00	89.69	538.14
Total				8,177.44
Direct Costs				
Description		Units	Rate	Cost
Mileage (75 miles R/T)	PI Field Crew	825	0.655	540.38
Total				540.38
TOTAL				57,237.42

**Reduction of ICF Jones and Stokes Estimate from Total
Cultural Resources Support for the Granite Falls Bridge Project**

REDUCTION IN ORIGINAL ESTIMATE FOR WORK NOT PERFORMED BY ICF JONES AND STOKES

Employee Name	Consulting Staff						ICF Production Staff		Labor Total
	Elder James	Tavel January	Little Kainoa	Lentz Corey	Gluck Joseph	Linder William	Lundstrom Kristen		
Labor Classification	Mng Consult	Sr Consult III	Assoc Consult II	Assoc Consult II	Asst Consult	Assoc Consult II	Sr Consult II		
Task	Subtotal						Subtotal	Subtotal	
5.1. APE	(8.00)	(8.00)				(8.00)		\$0.00	-\$3,655.52
5.2. Cultural Survey and Documentation	(40.00)	(40.00)	(180.00)	(100.00)	(60.00)	(16.00)	(16.00)	-\$2,312.80	-\$50,438.92
5.3. Consultation and Public Outreach	(8.00)	(8.00)				(4.00)		\$0.00	-\$3,279.44
5.4. 106 Memorandum of Agreement and 4f Document	(24.00)	(24.00)						\$0.00	-\$8,710.08
5.5. 4f Documentation	(2.00)	(8.00)	(4.00)	(20.00)				\$0.00	-\$4,004.94
5.6. Mitigation Development Assistance								\$0.00	\$0.00
Total hours	578.0	(82.00)	(88.00)	(184.00)	(120.00)	(60.00)	(28.00)	(16.00)	
Billing Rates	\$153.19	\$141.37	\$93.54	\$93.54	\$100.69	\$93.54		\$123.92	
Subtotal	-\$15,369.26	-\$15,443.12	-\$18,480.96	-\$10,946.40	-\$4,903.80	-\$2,632.56	-\$67,776.10	-\$2,312.80	-\$70,088.90
Salary Escalation	5%	-\$768.46	-\$772.16	-\$924.05	-\$547.32	-\$245.19	-\$131.63	-\$3,388.81	-\$115.64
Subtotal (including salary escalation)		-\$16,137.72	-\$16,215.28	-\$19,405.01	-\$11,493.72	-\$5,148.99	-\$2,764.19	-\$2,428.44	-\$73,593.35
Other Direct Costs									
500.00 VENDOR (tribal monitor or informant at \$75/hr for five days)									-\$3,000.00
523.05 Travel, Auto, incld. Mileage at current IRS rate (.625/mile)									-\$1,000.00
Direct expense subtotal									-\$4,000.00
Total price									(\$77,593.35)

SUBCONSULTANTS

ERCI	\$57,237
ICF	(\$77,593)

TOTAL Subconsultants =	(\$20,356)
TOTAL Contract Change =	(\$20,356)
DBE Total = \$	-
DBE Percentage =	0.0%

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Fee Schedule

Subconsultant: Equinox Research and Consulting Inc.

Position Classification	Direct Salary Rate	ICR @150.34%	Profit @29.95%	Max Rate Per Hour
Principal Investigator	\$50.00	\$75.17	\$14.98	\$140.15
Editor/Specialist	\$48.88	\$73.48	\$14.64	\$137.00
Biological Anthropologist	\$40.00	\$60.14	\$11.98	\$112.12
Geoarchaeologist	\$40.00	\$60.14	\$11.98	\$112.12
Senior Archaeologist (5)	\$32.00	\$48.11	\$9.58	\$89.69
Senior Archaeologist (4)	\$31.00	\$46.61	\$9.28	\$86.89
Senior Archaeologist (3)	\$30.00	\$45.10	\$8.99	\$84.09
Senior Archaeologist (2)	\$29.00	\$43.60	\$8.69	\$81.28
Senior Archaeologist (1)	\$28.00	\$42.10	\$8.39	\$78.48
Historian	\$28.00	\$42.10	\$8.39	\$78.48
Architectural Historian	\$28.00	\$42.10	\$8.39	\$78.48
Archaeologist (5)	\$27.00	\$40.59	\$8.09	\$75.68
Archaeologist (4)	\$26.00	\$39.09	\$7.79	\$72.88
Archaeologist (3)	\$25.00	\$37.59	\$7.49	\$70.07
Archaeologist (2)	\$24.00	\$36.08	\$7.19	\$67.27
Archaeologist (1)	\$23.00	\$34.58	\$6.89	\$64.47
Archaeological Technician (5)	\$22.00	\$33.07	\$6.59	\$61.66
Archaeological Technician (4)	\$21.00	\$31.57	\$6.29	\$58.86
Archaeological Technician (3)	\$20.00	\$30.07	\$5.99	\$56.06
Archaeological Technician (2)	\$19.00	\$28.56	\$5.69	\$53.26
Archaeological Technician (1)	\$18.00	\$27.06	\$5.39	\$50.45
Intern	\$18.00	\$27.06	\$5.39	\$50.45

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 E without prior written consent of the COUNTY.

Other Direct Costs (ODC) will be reimbursed at the Actual Cost to the subconsultant with no markup. ODCs are limited to the following items:

Reimbursable Classifications	Rates
Mileage	Current IRS Rate
Outside Vendor Costs	At Cost

Any ODC not included in the above list shall not be eligible for payment without prior written consent of the County. All reimbursable charges must be necessary for the services provided under this AGREEMENT.

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November 9, 2022

Equinox Research & Consulting Inc.
1229 Cleveland Avenue
Mount Vernon, WA 98273

Subject: Acceptance FYE 2021 ICR – Risk Assessment Review

Dear Cat Cummings:

Based on Washington State Department of Transportation's (WSDOT) Risk Assessment review of your Indirect Cost Rate (ICR), we have accepted your proposed FYE 2021 ICR of 150.34%. This rate will be applicable for WSDOT Agreements and Local Agency Contracts in Washington only. This rate may be subject to additional review if considered necessary by WSDOT. Your ICR must be updated on an annual basis.

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 your firm is responsible for determining the acceptability of the ICR.

If you have any questions, feel free to contact our office at (360) 705-7019 or via email consultantrates@wsdot.wa.gov.

Regards;

Schatzie Harvey

Schatzie Harvey (Nov 9, 2022 12:38 PST)
SCHATZIE HARVEY, CPA
Contract Services Manager

SH:ah

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