

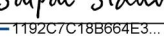
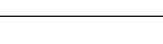


WHATCOM COUNTY CONTRACT INFORMATION SHEET

Whatcom County Contract No.

201803009-10

Originating Department:	Public Works
Division/Program: (i.e. Dept. Division and Program)	River and Flood/907525-CFHP
Contract or Grant Administrator:	Julie Anderson
Contractor's / Agency Name:	Herrera Environmental Consultants
Is this a New Contract? If not, is this an Amendment or Renewal to an Existing Contract? Yes <input checked="" type="radio"/> No <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> If Amendment or Renewal, (per WCC 3.08.100 (a)) Original Contract #: 201803009	
Does contract require Council Approval? Yes <input checked="" type="radio"/> No <input type="radio"/> If No, include WCC: _____ Already approved? Council Approved Date: _____ (Exclusions see: Whatcom County Codes 3.06.010, 3.08.090 and 3.08.100)	
Is this a grant agreement? Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, grantor agency contract number(s): _____ CFDA#: _____	
Is this contract grant funded? Yes <input checked="" type="radio"/> No <input type="radio"/> If yes, Whatcom County grant contract number(s): 202311009	
Is this contract the result of a RFP or Bid process? Contract _____ Yes <input checked="" type="radio"/> No <input type="radio"/> If yes, RFP and Bid number(s): 17-77 Cost Center: 19082247	
Is this agreement excluded from E-Verify? No <input type="radio"/> Yes <input checked="" type="radio"/> If no, include Attachment D Contractor Declaration form.	
If YES, indicate exclusion(s) below: <input checked="" type="checkbox"/> Professional services agreement for certified/licensed professional. <input type="checkbox"/> Goods and services provided due to an emergency <input type="checkbox"/> Contract work is for less than \$100,000. <input type="checkbox"/> Contract for Commercial off the shelf items (COTS). <input type="checkbox"/> Contract work is for less than 120 days. <input type="checkbox"/> Work related subcontract less than \$25,000. <input type="checkbox"/> Interlocal Agreement (between Governments). <input type="checkbox"/> Public Works - Local Agency/Federally Funded FHWA.	
Contract Amount:(sum of original contract amount and any prior amendments): \$ 2,407,540 This Amendment Amount: \$ 590,829 Total Amended Amount: \$ 2,998,369	Council approval required for; all property leases, contracts or bid awards exceeding \$40,000 , and professional service contract amendments that have an increase greater than \$10,000 or 10% of contract amount, whichever is greater, except when : 1. Exercising an option contained in a contract previously approved by the council. 2. Contract is for design, construction, r-o-w acquisition, prof. services, or other capital costs approved by council in a capital budget appropriation ordinance. 3. Bid or award is for supplies. 4. Equipment is included in Exhibit "B" of the Budget Ordinance. 5. Contract is for manufacturer's technical support and hardware maintenance of electronic systems and/or technical support and software maintenance from the developer of proprietary software currently used by Whatcom County.
Under Amendment 10, additional specific support needs have been identified to further the work of the Floodplain Integrated Planning (FLIP) Team and Steering Committee and to produce deliverables required under the Washington State Department of Ecology Proviso grant funding. Updated 2025 rate sheets have been incorporated into this amendment.	
Term of Contract: Not to exceed	Expiration Date: March 31, 2026

Contract Routing:	1. Prepared by: Julie Anderson	Date: 3/20/2025
	2. Attorney signoff: Christopher Quinn	Date: 3/24/2025
	3. AS Finance reviewed: bbennett	Date: 04/07/2025
	4. IT reviewed (if IT related): Initial	Date: _____
	5. Contractor signed: 	Date: _____
	6. Executive contract review: 	Date: 5/1/2025
	7. Council approved, if necessary:  AB2025-325	Date: 4/29/2025
	8. Executive signed: 	Date: 5/1/2025
	9. Original to Council: _____	Date: _____

**WHATCOM COUNTY
PUBLIC WORKS DEPARTMENT**

**Elizabeth Kosa
DIRECTOR**



RIVER AND FLOOD
322 N. Commercial Street, Suite 120
Bellingham, WA 98225-4042
Phone: (360) 778-6230
www.whatcomcounty.us

MEMORANDUM

TO: The Honorable Members of the Whatcom County Flood Control Zone District Board of Supervisors

THROUGH: Elizabeth Kosa, Public Works Director

FROM: Julie Anderson, River and Flood Manager *JA*
Gary Stoyka, Natural Resources Program Manager *GS*

DATE: March 20, 2025

RE: Herrera Environmental Consultants Contract for Services to support Lower Nooksack River Floodplain Integrated Planning – Amendment No. 10

Enclosed is an amendment to a Contract for Services between the Whatcom County Flood Control Zone District (FCZD) and Herrera Environmental Consultants for your review and approval.

▪ **Requested Action**

Public Works respectfully requests that the County Executive and Council, acting as the FCZD Board of Supervisors, enter into a contract amendment with Herrera Environmental Consultants to continue supporting the Floodplain Integrated Planning (FLIP) Process through March 31, 2026. Under this contract amendment, additional support needs have been identified to further the work of the FLIP Team and Steering Committee and to produce deliverables required under the Washington State Department of Ecology proviso grant funding. In addition, updated 2025 rate sheets have been incorporated into this amendment.

▪ **Background and Purpose**

Herrera was retained in March 2018 to assist Public Works staff in updating and broadening the scope of the 1999 Lower Nooksack River Comprehensive Flood Hazard Management Plan to integrate flood risk reduction with the needs of salmon and floodplain land-uses. The update will provide a basis for future Whatcom County FCZD capital programs and support possible WRIA1 Salmon Recovery Plan updates.

▪ **Funding Amount and Source**

The amount of this amendment is \$590,829, which brings the total contract amount to \$2,998,369. The 2025-26 FCZD Budget has adequate budget authority for this work. Costs associated with this scope of work are eligible for reimbursement under the Department of Ecology grant.

Please contact Julie Anderson at extension 6258 if you have any questions or concerns regarding the terms of this amendment.

**AMENDMENT NO. 10
TO
CONTRACT FOR SERVICES BETWEEN WHATCOM COUNTY FLOOD CONTROL ZONE
DISTRICT AND HERRERA ENVIRONMENTAL CONSULTANTS**

THIS AMENDMENT is to the Contract between the Whatcom County Flood Control Zone District, hereinafter referred to as the "County", and Herrera Environmental Consultants, a consulting company hereinafter referred to as the "Contractor", dated March 19, 2018, and designated "Whatcom County Contract No. 201803009". In consideration of the mutual benefits to be derived, the parties agree to the following:

WITNESSETH

WHEREAS, the County has entered into an agreement with the Contractor dated March 19, 2018, to assist in updating and broadening the scope of the 1999 Lower Nooksack River Comprehensive Flood Hazard Management Plan (CFHMP); and,

WHEREAS, the Contractor is helping to guide the planning process in close coordination with the Floodplain Integrated Planning (FLIP) Team, the FLIP Steering Committee, and Whatcom County staff; and

WHEREAS, additional specific support needs have been identified to further the work of the FLIP Team and Steering Committee and to produce deliverables required under the Washington State Department of Ecology Proviso grant funding; and

WHEREAS, the Contractor has delivered a quality product and has been responsive thus far to the County's needs.; and

WHEREAS, the Contractor desires to have 2025 billing rates for various firms on its project team approved for future invoicing.

NOW, THEREFORE, County and Contractor agree to modify the Agreement as follows:

1. SCOPE OF SERVICES

The scope of services is amended to include the additional Scope of Services described in Exhibit A-10, attached hereto and incorporated herein by reference.

2. PERFORMANCE

As consideration for the services provided by the Contractor, the County agrees to reimburse the Contractor for additional services rendered under this amendment at a sum not to exceed \$590,829 DOLLARS based on the cost breakdown detailed in Exhibit B-10, attached hereto and incorporated herein by reference. The revised contract amount is \$2,998,369 DOLLARS.

3. TIME SCHEDULE

The duration of this Agreement shall be extended to March 31, 2026.

This Amendment shall be made part of W.C. Contract No. 201803009 by and between Whatcom County Flood Control Zone District and Herrera Environmental Consultants. Unless specifically stated herein, all other terms and conditions of the original agreement shall remain in

full force and effect.

IN WITNESS WHEREOF, Whatcom County and Herrera Environmental Services have executed this Amendment on the date and year below written.

DATED this 5/1/2025 day of _____, 2025.

CONTRACTOR INFORMATION:

Herrera Environmental Consultants
2200 Sixth Avenue, Suite 1100
Seattle, WA 98121

Contact Name: Mark Ewbank
Contact Phone: (206) 787-8266
Contact FAX: (206) 441-9108
Contact Email: mewbank@herrerainc.com

CONTRACTOR:

Herrera Environmental Consultants

Signed by: Mark Ewbank 4/30/2025

E5657A7049ED438...
Mark Ewbank, Vice President

WHATCOM COUNTY FLOOD CONTROL ZONE DISTRICT:

Recommended for Approval:

DocuSigned by:
Elizabeth Kosa 5/1/2025
870E242DD76C408...
Elizabeth Kosa, Public Works Director Date

Approved as to form:

Signed by:
Christopher Quinn 5/1/2025
EC466EF5C88B4FD...
Christopher Quinn, Chief Civil Deputy Prosecuting Attorney Date

Approved:

Accepted for Whatcom County Flood Control Zone District:

DocuSigned by:
By: Satpal Sidhu 5/1/2025
1192C7C18B664E3...
Satpal Sidhu, Whatcom County Executive, acting for the Whatcom County Flood Control Zone District Board of Supervisors

Exhibit A-9 Scope of Work

I. Background

Whatcom County is preparing a major update to its Comprehensive Flood Hazard Management Plan for the Lower Nooksack River, encompassing approximately 36 miles of the river from the confluence of the North and South forks near Deming to the river mouth in Bellingham Bay and an overflow corridor from Everson to Sumas at the Canadian border. The plan update is a collaborative effort with affected governments and stakeholders representing these interests, called Nooksack Floodplain Integrated Planning (FLIP) by the participants. Reach-scale floodplain management strategies and project concepts will be developed for actions that reduce flood risk, advance salmon habitat protection and restoration, and provide for restored habitat processes to the extent practicable, while sustaining adjacent floodplain land uses. A consultant team led by Herrera Environmental Consultants (Herrera) is assisting the County in this FLIP work, including steering committee facilitation and coordination, hydrologic, hydraulic, and geomorphic modeling and analyses, alternatives analyses, outreach and coordination with planning participants, conceptual engineering design, and plan compilation. This scope of work describes additional services that the Herrera team will provide through March 2026 to continue coordinating with the Nooksack FLIP Team and the FLIP Steering Committee, and in completing technical work supporting the process.

The scope of work supplements the work described in Whatcom County contract #201803009, authorized on March 19, 2018, and in Amendment 1 to the original contract, dated August 22, 2018, Amendment 3 to the contract dated October 23, 2019, Amendment 5 to the contract dated September 22, 2022, and Amendment 7 to the contract dated November 28, 2023. Amendments 2, 4 and 9 were contract time extensions and did not include scope of work supplements. Amendment 6 adjusted a contract provision associated with consultant billing rates. Amendment 8 added three subconsultant firms to the contract team, adjusted consultant billing rates to align with their 2024 rates, and extended the contract time through March 2025.

II. Statement of Work

Herrera and its subconsultants, which include Northwest Hydraulic Consultants, Slough Creek Consulting, Kramer Consulting, Cramer Fish Sciences, Carol Macilroy Consulting, S2 Sustainable Solutions, Watershed Science and Engineering, and Wheeler Consulting Group, will perform the services described in the following tasks. Adjustments to the focus and level of effort may be needed as task work proceeds in coordination with County staff and the FLIP Steering Committee to provide the most value. The task numbering used in this amendment follows in sequence with tasks already established on the contract.

Task 11 – Support for Flow Split Technical Analyses

This task work is a continuation of Task 11 as authorized in Amendment 7, to complete work funded by a grant that expires at the end of June 2025. Herrera and its subconsultants will assist

Whatcom County and the FLIP Steering Committee with the following work in this task:

- Scheduling, developing agendas and work flows, facilitating, integrating technical work, provision of strategic support to Whatcom County staff, and preparing notes for frequent Steering Committee meetings and other FLIP Team meetings
- Coordination and engagement of Steering Committee members outside of the committee's monthly meetings to understand key issues for their constituencies and preferred methods for addressing them
- Assisting with communications to the public, stakeholder groups, and elected officials
- Technical support for the Nooksack River Transboundary Flood Initiative (TFI)
 - Herrera's project manager and NHC's lead modeler will attend TFI Technical Table and Hydrology Subgroup meetings
- Hydraulic modeling –
 - Refine calibration of a HEC-RAS 2D hydraulic model of the Nooksack River and floodplain areas as available information may warrant doing. Update a technical memo produced by NHC in 2023 as applicable.
 - Model various options for raising Slater Road above Nooksack River flood levels and attend design options coordination meetings with Lummi Nation
 - NHC and Herrera lead staff will attend weekly check-in meetings with County staff for progress status updates and discussion of hydraulic analysis needs and priorities
 - Coordinate hydraulic modeling of Nooksack River overflows combined with Sumas River flows at and across the Canadian border with consultants conducting hydraulic modeling on behalf of the City of Abbotsford.
 - Assist Whatcom County in coordinating with the US Geological Survey and National Weather Service; prepare presentations as needed for these meetings.
 - Prepare other technical documentation and presentation material for sharing of model results and interpretation of the results
- Geomorphic analysis –
 - Complete reach-scale process geomorphic analyses for the “widen the funnel” concept in the Everson area, including running sediment transport and hydraulic models to estimate the geomorphic response over a suite of time scales.
 - Prepare technical presentations, coordinate with the County, and attend interagency meetings related to the geomorphic analysis task work.
 - Complete a draft geomorphic analysis report documenting the work described above
- Concepts, scenarios, and alternatives development, analyses, and design –
 - Preliminary layout and concept design of alternatives
 - Hydraulic modeling of alternatives and evaluation of modeling results to refine alternative configurations for desired effects
 - Evaluating effects on flooding of occupied structures, key infrastructure elements, and land uses
 - Preparing documentation to communicate alternatives to the public, stakeholders, and elected officials

- Evaluating aquatic, riparian, and terrestrial habitat conditions and potential habitat restoration project configurations
- Other technical analysis or process support as may be requested

This task also includes project management activities including monthly invoicing and progress reporting, coordination with subconsultants, coordination with County staff regarding schedule and priorities, and maintenance of project files.

Task 11 Deliverables:

- Monthly invoices and progress reports
- Notes from project management check-in meetings as applicable
- Steering Committee meeting agendas and notes
- Iterative hydraulic model outputs
- Iterative GIS-based modeling of flood impacts to occupied structures, roads, other infrastructure, and potentially selected land uses tied to evaluating hydraulic modeling predictions of various options and scenarios
- Updated technical memo documenting development and calibration of a 2D Nooksack River hydraulic model
- Updated technical memo documenting calibration of HSPF hydrologic models for the Sumas River and tributaries to the Nooksack River
- Technical report documenting geomorphic analyses for the widen the funnel concept, including:
 - Draft and final memo/appendix documenting MAST 1D modeling
 - Draft and final memo/appendix documenting HEC-RAS 1D fixed bed and mobile bed hydraulic and sediment transport modeling
- Technical memo documenting hydraulic modeling of Slater Road raising options
- Conceptual design plans and cost estimates
- An updated technical memo documenting development and screening of conceptual design options related to optimizing the flow split at Everson, including habitat improvements associated with selected scenarios being carried forward for more detailed analysis
- Support for writing a community outreach plan, and resultant community outreach materials and website content
- Input to agendas and notes for TFI meetings
- Documentation of estimated habitat impacts and benefits if needed during the course of developing concepts and scenarios, in the form of a technical memo or comparable
- Presentation content for meetings with FLIP audiences
- Detailed design plans for any alternative(s) carried forward as an early action

Task 12 – Ongoing Support for FLIP Technical Analyses and Community Involvement

This task work supersedes work previously authorized as Task 12 in Amendment 7 and changes the task title.

Herrera and its subconsultants will assist Whatcom County and the FLIP Steering Committee with the following types of work in this task, beginning in July 2025:

- Scheduling, developing agendas and work flows, facilitating, integrating technical work, provision of strategic support to Whatcom County staff, and preparing notes for frequent Steering Committee meetings and other FLIP Team meetings
- Coordination and engagement of FLIP Steering Committee members outside of the committee’s monthly meetings to understand key issues for their constituencies and preferred methods for addressing them
- Assisting with communications to the public, stakeholder groups, and elected officials
- Technical support for the Nooksack River Transboundary Flood Initiative (TFI)
 - Herrera’s project manager and NHC’s lead modeler will attend TFI Technical Table and Hydrology Subgroup meetings
- Hydraulic modeling –
 - Complete hydraulic model runs for various capital project design concepts, combinations of concepts (“scenarios”), and incorporate predicted flow and sediment changes associated with climate change
 - Refine calibration of a HEC-RAS 2D hydraulic model of the Nooksack River and floodplain areas as available information may warrant doing. Update a technical memo produced by NHC in 2023 as applicable to document updated calibration work.
 - Model additional options for raising Slater Road above Nooksack River flood levels and attend design options coordination meetings with Lummi Nation as needed based on feedback
 - Herrera and NHC lead staff will attend weekly check-in meetings with County staff for progress status updates and discussion of hydraulic analysis needs and priorities
 - Coordinate hydraulic modeling of Nooksack River overflows combined with Sumas River flows at and across the Canadian border with consultants conducting hydraulic modeling on behalf of the City of Abbotsford.
 - Assist Whatcom County in coordinating with the US Geological Survey and National Weather Service; prepare presentations as needed for these meetings.
 - Prepare other technical documentation and presentation material for sharing of model results and interpretation of the results
- Geomorphic analysis –
 - Additional analyses for the “widen the funnel” concept in the Everson area as may be requested.

- Prepare technical presentations, coordinate with the County, and attend interagency meetings related to the geomorphic analysis work.
- Concepts, scenarios, and alternatives development, analyses, and design –
 - Preliminary layout and concept design of alternatives
 - Hydraulic modeling of alternatives and evaluation of modeling results to refine alternative configurations for desired effects
 - Evaluating effects on flooding of occupied structures, key infrastructure elements, and land uses
 - Preparing documentation to communicate alternatives to the public, stakeholders, and elected officials
- Evaluating aquatic, riparian, and terrestrial habitat conditions and potential habitat restoration project configurations
- Drafting portions of the updated Comprehensive Flood Hazard Management Plan as completion of FLIP work enables
- Other technical analysis or process support as may be requested

This task also includes project management activities including monthly invoicing and progress reporting, coordination with subconsultants, coordination with County staff regarding schedule and priorities, and maintenance of project files.

Task 12 Deliverables:

- Monthly invoices and progress reports
- Notes from project management check-in meetings as applicable
- Steering Committee meeting agendas and notes
- Iterative hydraulic model outputs
- Iterative GIS-based modeling of flood impacts to occupied structures, roads, other infrastructure, and potentially selected land uses tied to evaluating hydraulic modeling predictions of various options and scenarios
- Conceptual design plans and cost estimates
- Input to agendas and notes for TFI meetings
- Documentation of estimated habitat impacts and benefits if needed during the course of developing concepts and scenarios, in the form of a technical memo or comparable
- Presentation content for meetings with FLIP audiences
- Detailed design plans for any alternative(s) carried forward as an early action
- Draft Comprehensive Flood Hazard Management Plan documentation when it is ready to be written

Exhibit B-9 Compensation

The County agrees to compensate the Contractor according to the hourly rates listed in the Rate Schedules for the various firms on the Contractor's team provided below. Other reasonable expenses incurred in the course of performing the duties herein shall be reimbursed. Mileage is to be reimbursed at the IRS rate; lodging and per diem will be reimbursed at a rate not to exceed the GSA rate for the location at which services are provided. Reimbursement for air travel will be at coach rates. Other expenditures such as printing, postage and telephone charges shall be reimbursed at actual cost.


The Contractor will invoice monthly. Invoices will include hours worked by employee by day together with tasks accomplished. Requests for reimbursement of expenses must be accompanied by copies of paid invoices itemizing costs incurred. Costs of alcoholic beverages are not eligible for reimbursement. Compensation shall not exceed the amended contract amount of \$2,998,369. Any work continuing after the completion date of the amended contract, unless otherwise agreed upon in writing, will be at the Contractor's expense.

Herrera Environmental Consultants, Inc.
Indirect Cost Rate Schedule
For the Year Ended December 31, 2023

Description	Accepted Amount	%
Direct Labor Base	<u>\$6,768,072</u>	100.00%
Indirect Costs:		
Fringe Benefits		
Payroll Taxes	\$1,082,132	15.99%
State Paid Leave	29,549	0.44%
Workers Compensation Insurance	21,464	0.32%
Group Insurance	1,147,056	16.95%
Bonuses/Severance	780,473	11.53%
Vacation/Holiday, Sick Leave, Volunteer, Comp Time	1,814,507	26.81%
ESOP/Pension Plan Contributions	850,000	12.56%
Other Benefits	35,684	0.53%
Fringe Benefits Adjustment	(28,097)	-0.42%
Total Fringe Benefits	<u>\$5,732,768</u>	<u>84.70%</u>
General Overhead		
Indirect Salaries	\$3,865,469	57.11%
Bid & Proposal Labor	989,456	14.62%
Uncompensated Overtime	(64,125)	-0.95%
Rent	627,993	9.28%
Other Rentals	43,589	0.64%
Maintenance & Repair	8,590	0.13%
Furniture & Fixtures	9,894	0.15%
IT Expenses	764,189	11.29%
Postage & Delivery	8,013	0.12%
Communications	54,092	0.80%
Printing and Reproduction	4,432	0.07%
Office Supplies	24,099	0.36%
Office Equipment	5,714	0.08%
Field Supplies and Equipment	6,466	0.10%
Mileage Employee Vehicle	12,016	0.18%
Vehicle/Vessel Expense	(9,704)	-0.14%
Parking	37,673	0.56%
Lodging	32,113	0.47%
Meals	12,674	0.19%
Transportation	30,673	0.45%
Business Taxes	493,521	7.29%
Membership & Dues	26,313	0.39%
Licenses	21,092	0.31%

Herrera Environmental Consultants, Inc.
Indirect Cost Rate Schedule
For the Year Ended December 31, 2023

Description	Accepted Amount	%
Business Insurance	356,378	5.27%
Legal Expenses	10,879	0.16%
Accounting/Payroll Processing	25,728	0.38%
Other Professional Services, Benefit Partners	196,695	2.91%
Recruiting/Advertising	61,081	0.90%
Relocation Expenses	5,000	0.07%
Books & Publications	3,153	0.05%
Professional Development	49,013	0.72%
Conference	27,540	0.41%
Depreciation Expense	144,073	2.13%
Company Morale	1,725	0.03%
Marketing/Advertising	14,652	0.22%
Penalty, Fees, Interest	0	0.00%
Charitable Contributions	0	0.00%
Federal Income Tax Expense	0	0.00%
Miscellaneous Expense	0	0.00%
Unallowed OH Exp per FARS	0	0.00%
Management Discretionary Adjustment	(261,248)	-3.86%
Total General Overhead	<u>\$7,638,911</u>	<u>116.73%</u>
Total Indirect Costs & Overhead	<u>\$13,371,679</u>	<u>201.43%</u>
Indirect Cost Rate (Less FCCM)	<u>197.57%</u>	
Facilities Cost of Capital	<u>13,966.00</u>	0.21%
	<u>\$13,385,645</u>	
Indirect Cost Rate (Includes FCCM)	<u><u>197.78%</u></u>	

 <div>CRAMER FISH SCIENCES[®] <i>An Employee Owned Consulting Company</i></div>	Projected Hours					Labor Subtotal
	Program Manager III \$254	GIS Analyst I \$141	Biologist \$125	Bio Technician \$77	Biometrician I \$173	
Task 11 - Support for Flow Split Technical Analyses	6	2				\$1,806
Task 12 - Ongoing Support for FLIP Technical Analyses and Community Involvement	50	26	6	4	10	\$19,154
Total	56	28	6	4	10	\$20,960

Amendment 9 Budget for Individual Subconsultants

Kramer Consulting
 Carol Macilroy Consulting
 Slough Creek Consulting
 S2 Sustainability Solutions

Kramer Consulting			
Staff	Hourly Rate	Hours	Cost
Jim Kramer	\$195.00	225	\$43,875.00

Carol Macilroy Consulting			
Staff	Hourly Rate	Hours	Cost
Carol Macilroy	\$165.00	300	\$49,500.00

Slough Creek Consulting			
Staff	Hourly Rate	Hours	Cost
Karin Boyd	\$195.00	180	\$35,100.00

S2 Sustainability Solutions			
Staff	Hourly Rate	Hours	Cost
Steve Moddemeyer	\$250.00	111	\$27,750.00

Northwest Hydraulic Consultants Inc.															
12787 Gateway Dr S. Seattle, WA 98168 Tel. (206) 241-6000		Prepared for: Herrera/Whatcom County River and Flood Project: Nooksack River Floodplain Integrated Planning Date: 3/6/2025 Project No.: 2005117 Prepared By: Todd Bennett													
Labor Detail															
Task #	Task Name	Principal	Sr. Project Engineer/Scientist	Sr. Engineer/Scientist 1	Sr. Engineer/Scientist 2	Engineer/Scientist 1	Engineer/Scientist 2	Jr. Engineer/Scientist	GIS Analyst 1	Engineer Tech.	Sr. Contract Admin.	Sr. Technical Editor			Direct Cost
11	Support for Flow Split Technical Analyses	32			32		80	128	16						\$ 52,108
12	Ongoing Support for FLIP Technical Analyses	126			128		320	512	64						\$ 207,793
Total Hours		158	0	0	160	0	400	640	80	0	0	0			\$ 259,901
WSDOT approved ANTE Table Rates		\$320.34	\$298.70	\$245.08	\$214.41	\$189.02	\$165.84	\$147.68	\$176.64	\$132.74	\$199.10	\$143.34	Total Labor:		\$ 259,901
Direct Expense Detail													Units	Rate	Cost
Field Reconnaissance Mileage													0	\$0.700	\$ 0
Field Reconnaissance Hotel													0	\$98	\$ 0
Field Reconnaissance Meals													0	\$59	\$ 0
Boat for field access rental													0	\$600	\$ 0
Sediment sampling equipment													0	\$100	\$ 0
Total Direct Expenses:														\$	0
Cost Summary														Cost	
Total Labor														\$	259,901
Total Direct Expenses														\$	0
Total Project Cost:														\$	259,901



Cost Estimate for **LOWER NOOKSACK RIVER FLOODPLAIN INTEGRATED PLANNING**
AMENDMENT 9
Herrera Project No. **16-06477-000**
March 6, 2025

Task No.

			11	12	Total
			Support for Flow Split Technical Analyses	Ongoing Support for FLIP Technical Analyses and Community Involvement	
Herrera Labor based on:	Direct Labor Rates				
Staff	Labor Category	2025 Direct Labor Rates			
Ewbank, Mark	Engineer VII	\$90.76	60	180	240
Avolio, Christina	Engineer V	\$79.50	24	88	112
Van Orden, Emma	Engineer II	\$47.67	12	64	76
Crickmore, Ian David	GIS Analyst V	\$59.35	8	36	44
Schmidt, Jennifer	GIS Analyst VII	\$85.00	8	24	32
Mirabile, Tina	Scientist IV	\$67.41	8	16	24
Mostrenko, Ian	Engineer V	\$87.88	8	20	28
Johansen, Sally	Project Accountant IV	\$50.42	16	32	48
Total Hours per Task			148	468	616
Subtotal Labor Cost			\$11,303	\$35,358	\$46,661
197.78% Overhead			\$22,356	\$69,930	\$92,286
30.0% Profit on Direct Labor Only			\$3,391	\$10,607	\$13,998
Subtotal Herrera Labor			\$37,050	\$115,895	\$152,945

Subconsultant			
Northwest Hydraulic Consultants	\$52,108	\$207,793	\$259,901
Kramer Consulting	\$12,285	\$31,590	\$43,875
Macilroy Consulting	\$13,860	\$35,640	\$49,500
Slough Creek Consulting	\$8,775	\$26,325	\$35,100
S2 Sustainability Solutions	\$7,500	\$20,250	\$27,750
Cramer Fish Sciences	\$1,806	\$19,154	\$20,960
Subtotal Subconsultant Cost	\$96,334	\$340,752	\$437,086

Direct Expenses

Item	Unit	Unit Cost			
Auto Use	Mile	\$0.70	360	780	1140
Subtotal Direct Expenses			\$252	\$546	\$798

Grand Subtotal	\$133,636	\$457,193	\$590,829
Grand Total			\$590,829

Actuals Not To Exceed Table (ANTE)

Whatcom County: Lower Nooksack River CFHMP Whatcom County Agreement: 201803009				
Herrera Environmental Consultants, Inc. 2200 Sixth Avenue, Suite 1100 Seattle, WA 98121				
Job Classifications	Direct Labor Rate	Overhead NTE*	Fixed Fee NTE	All Inclusive Hourly Billing Rate NTE
	NTE*	197.78%	30.00%	
Accounting Administrator I, II, III	\$46.00	\$90.98	\$13.80	\$150.78
Accounting Administrator IV	\$62.00	\$122.62	\$18.60	\$203.22
Accounting Administrator V	\$68.00	\$134.49	\$20.40	\$222.89
Accounting Administrator VI / Controller	\$82.00	\$162.18	\$24.60	\$268.78
Accounting Administrator VII / Deputy CFO	\$90.00	\$178.00	\$27.00	\$295.00
Administrative Coordinator I, II, III	\$40.00	\$79.11	\$12.00	\$131.11
Administrative Coordinator IV	\$46.00	\$90.98	\$13.80	\$150.78
Administrative Coordinator V	\$50.00	\$98.89	\$15.00	\$163.89
CAD Designer I, II	\$47.00	\$92.96	\$14.10	\$154.06
CAD Designer III, IV	\$55.00	\$108.78	\$16.50	\$180.28
CAD Designer V	\$60.00	\$118.67	\$18.00	\$196.67
Construction Inspector II	\$45.00	\$89.00	\$13.50	\$147.50
Engineer I	\$46.00	\$90.98	\$13.80	\$150.78
Engineer II	\$54.00	\$106.80	\$16.20	\$177.00
Engineer III	\$64.00	\$126.58	\$19.20	\$209.78
Engineer IV	\$74.00	\$146.36	\$22.20	\$242.56
Engineer V	\$90.00	\$178.00	\$27.00	\$295.00
Engineer VI	\$97.00	\$191.85	\$29.10	\$317.95
Engineer VII	\$104.00	\$205.69	\$31.20	\$340.89
Engineer VIII	\$114.00	\$225.47	\$34.20	\$373.67
Engineering/Environmental Technician	\$37.00	\$73.18	\$11.10	\$121.28
Engineering Intern	\$26.00	\$51.42	\$7.80	\$85.22
GIS Analyst I	\$35.00	\$69.22	\$10.50	\$114.72
GIS Analyst II	\$42.00	\$83.07	\$12.60	\$137.67
GIS Analyst III	\$48.00	\$94.93	\$14.40	\$157.33
GIS Analyst IV	\$58.00	\$114.71	\$17.40	\$190.11
GIS Analyst V	\$66.00	\$130.53	\$19.80	\$216.33
GIS Analyst VI	\$74.00	\$146.36	\$22.20	\$242.56
GIS Analyst VII	\$88.00	\$174.05	\$26.40	\$288.45
IT Technician III	\$44.00	\$87.02	\$13.20	\$144.22
IT Specialist V	\$55.00	\$108.78	\$16.50	\$180.28
Landscape Designer I	\$42.00	\$83.07	\$12.60	\$137.67
Landscape Designer II	\$47.00	\$92.96	\$14.10	\$154.06
Landscape Architect III	\$52.00	\$102.85	\$15.60	\$170.45
Landscape Architect IV	\$59.00	\$116.69	\$17.70	\$193.39
Landscape Architect V	\$68.00	\$134.49	\$20.40	\$222.89
Landscape Architect VI	\$76.00	\$150.31	\$22.80	\$249.11
Planner I	\$40.00	\$79.11	\$12.00	\$131.11
Planner II	\$50.00	\$98.89	\$15.00	\$163.89
Planner III	\$60.00	\$118.67	\$18.00	\$196.67
Planner IV	\$70.00	\$138.45	\$21.00	\$229.45
Planner V	\$77.00	\$152.29	\$23.10	\$252.39
Planner VI	\$87.00	\$172.07	\$26.10	\$285.17
Planner VII	\$96.00	\$189.87	\$28.80	\$314.67
Planner VIII	\$107.00	\$211.62	\$32.10	\$350.72
Project Accountant I, II	\$40.00	\$79.11	\$12.00	\$131.11
Project Accountant III	\$47.00	\$92.96	\$14.10	\$154.06
Project Accountant IV	\$57.00	\$112.73	\$17.10	\$186.83
Project Accountant V	\$65.00	\$128.56	\$19.50	\$213.06
Scientist I	\$42.00	\$83.07	\$12.60	\$137.67
Scientist II	\$49.00	\$96.91	\$14.70	\$160.61
Scientist III	\$58.00	\$114.71	\$17.40	\$190.11
Scientist IV	\$76.00	\$150.31	\$22.80	\$249.11
Scientist V	\$86.00	\$170.09	\$25.80	\$281.89
Scientist VI	\$95.00	\$187.89	\$28.50	\$311.39
Scientist VII	\$100.00	\$197.78	\$30.00	\$327.78
Scientist VIII	\$107.00	\$211.62	\$32.10	\$350.72

Actuals Not To Exceed Table (ANTE)

Northwest Hydraulic Consultants Inc 12787 Gateway Dr S Seattle WA 98168-3308				
Job Classifications	Direct Labor Hourly Billing Rate NTE	Overhead 198.39%	Fixed Fee NTE 30.00%	All Inclusive Hourly Billing Rate NTE
Principal	\$97.55	\$193.53	\$29.27	\$320.34
Sr Project Engineer / Scientist	\$90.96	\$180.46	\$27.29	\$298.70
Sr Engineer / Scientist 1	\$74.63	\$148.06	\$22.39	\$245.08
Sr Engineer / Scientist 2	\$65.29	\$129.53	\$19.59	\$214.41
Engineer / Scientist 1	\$57.56	\$114.19	\$17.27	\$189.02
Engineer / Scientist 2	\$50.50	\$100.19	\$15.15	\$165.84
Jr Engineer / Scientist	\$44.97	\$89.22	\$13.49	\$147.68
Sr Engineer Technician	\$54.19	\$107.51	\$16.26	\$177.95
Jr Engineering Technician	\$32.92	\$65.31	\$9.88	\$108.11
Lab Technician	\$34.65	\$68.74	\$10.40	\$113.79
GIS Analyst 2	\$40.26	\$79.87	\$12.08	\$132.21
GIS Analyst 1	\$53.79	\$106.71	\$16.14	\$176.64
Engineering Technician	\$40.42	\$80.19	\$12.13	\$132.74
Sr Lab Technician	\$44.89	\$89.06	\$13.47	\$147.41
Contract Administrator	\$60.63	\$120.28	\$18.19	\$199.10
Senior Technical Editor	\$54.95	\$109.02	\$16.49	\$180.45
Technical Editor	\$43.65	\$86.60	\$13.10	\$143.34
Office Administrator	\$34.37	\$68.19	\$10.31	\$112.87



Development Division
Contract Services Office
PO Box 47408
Olympia, WA 98504-7408
7345 Linderson Way SW
Tumwater, WA 98501-6504

TTY: 1-800-833-6388
www.wsdot.wa.gov

August 7, 2024

Herrera Environmental Consultants, Inc
2200 Sixth Avenue, Suite 1100
Seattle, WA 98121

Subject: Acceptance FYE 2023 ICR – CPA Report

Dear Jennifer Swanson:

We have accepted your firm's FYE 2023 Indirect Cost Rate (ICR) of 197.78% of direct labor (rate includes 0.21% Facilities Capital Cost of Money) based on the "Independent CPA Report" prepared by Clifton Larson Allen, LLP. 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 the firm is responsible for determining the acceptability of the ICR.

If you have any questions, feel free to contact our office at **(360) 704-6397** or via email consultanrates@wsdot.wa.gov.

Regards,


[Schatzie Harvey \(Aug 7, 2024 08:34 PDT\)](#)
SCHATZIE HARVEY, CPA
Contract Services Manager

SH: kb



Development Division
Contract Services Office
PO Box 47408
Olympia, WA 98504-7408
7345 Linderson Way SW
Tumwater, WA 98501-6504

TTY: 1-800-833-6388
www.wsdot.wa.gov

December 23, 2024

Northwest Hydraulic Consultants, Inc. (NHC)
12787 Gateway Dr. S.
Seattle, WA 98168

Subject: Acceptance FYE 2024 ICR – CPA Report

Dear Diane Numrich:

We have accepted your firm's FYE 2024 Indirect Cost Rate (ICR) of 198.39% of direct labor (rate includes 0.81% Facilities Capital Cost of Money) based on the "Independent CPA Report" prepared by Shannon & Associates, LLP. 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 the firm is responsible for determining the acceptability of the ICR.

If you have any questions, feel free to contact our office at **(360) 704-6397** or via email consultantrates@wsdot.wa.gov.

Regards,


Schatzie Harvey (Dec 23, 2024 12:35 PST)

SCHATZIE HARVEY, CPA
Contract Services Manager

SH: BJO