

WHATCOM COUNTY CONTRACT INFORMATION SHEET

Whatcom County Contract No.
201803009-11

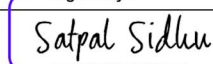
Originating Department:	90 - Public Works
Division:	9075 - Flood
Program:	907525 - CFHMP
Contract or Grant Administrator:	Julie Anderson, River & Flood Manager
Contractor's / Agency Name:	Herrera Environmental Consultants

Type of contract:	Standard Contract for Services	
Is this a new contract ? No	If not, is this an amendment or renewal to an existing contract? Yes	If amendment or renewal (per W.C.C. 3.08.11(a)), original contract # : 201803009
Is this a grant agreement? No	If yes, grantor agency contract numbers: NA	ALN: NA <i>Complete ALN field if contract involves direct federal grants/cooperative agreements or pass-through federal funds</i>
Is this contract grant-funded ? Yes	If yes, Whatcom County grant contract number(s): 202604018 and 202408009	
Is this contract the result of an RFP or Bid Process ? RFP	If yes, RFP and Bid number(s): RFP 17-77	Federal reimbursement? No
Procurement Method:	Competitive Bid - Standard sealed bidding process for contracts over \$40,000 based upon bids	
Council review requirements & exemptions:	Required - Amendment exceeds \$10,000 or 10% threshold	

Fund:	1908	Original Contract Amount (if amendment):	2,998,369
Cost Center:	19082247	This Amendment Amount (if applicable):	1,250,229
Object Account:	6630	Total Contract Amount:	4,248,598

Contract term ends: July 15, 2027

Contract routing (please initial & date):

Prepared by:	Julie Anderson 3/20/26	Contractor signed:	
Contractor review:		Executive review:	 6/8/2026
Attorney signoff:	Tom Sequiine 5/11/26	Council approval, if necessary:	5/26/2026
AS Finance review:	Jessie Thompson 5/8/26		AB#: 2026-392
IT review (if related):		Executive signed	 6/8/2026 1192C7C18B664E3...

**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

MEMORANDUM

To: Whatcom County Executive Satpal Sidhu and the Honorable Members of the Whatcom County Council, collectively serving in their capacity as 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*

Subject: Herrera Environmental Consultants Contract for Services to support Lower Nooksack River Floodplain Integrated Planning – Amendment No. 11

Date: April 29, 2026

Enclosed is one (1) original of Amendment No. 11 to a Contract for Services between the Whatcom County Flood Control Zone District (FCZD) and Herrera Environmental Consultants for your review and signature.

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 Integrated Flood Hazard Management Plan (IFHMP) 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 WRIA 1 Salmon Recovery Plan updates. Herrera is continuing to support the FCZD in development of the IFHMP and the technical, communications, and coordination work associated with the Floodplain Integrated Planning (FLIP) process. This proposed amendment supports the next phase of the FLIP work for the 2026-27 biennium.

Funding Amount and Source

The amount of this amendment is \$1,250,229, which brings the total contract amount to \$4,248,598. The 2026-27 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 grants including the 2025 Proviso which is 100% funded (no local match) and the 2023-25 Floodplains by Design (FbD) grant which is 80% funded. The FCZD will pay the 20% local match required by the FbD grant.

Differences from Previous Contract

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 2025 proviso and 2023-25 Floodplains by Design (FbD) grant funding. In addition, a communications consultant (Caravan Labs) has been added to the contract, and updated 2026 rate sheets have been incorporated into this amendment.

Please contact Julie Anderson, River and Flood Manager, at extension 6258 or jmanders@co.whatcom.wa.us if you have any questions or concerns regarding the terms of this agreement.

Encl.

**AMENDMENT NO. 11
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 and Floodplains by Design (FbD) 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 County has requested that the Contractor add a communications firm as a subconsultant and add additional scope and budget to support the FLIP process through June of 2027, the duration of the '25-27 Proviso; and

WHEREAS, the Contractor desires to have 2026 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-11, 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 \$1,250,229 DOLLARS based on the cost breakdown detailed in Exhibit B-11, attached hereto and incorporated herein by reference, resulting in a revised contract amount that is \$4,248,598 DOLLARS.

3. TIME SCHEDULE

This amendment takes effect on March 31, 2026, regardless of the date of signature. The duration of this Agreement shall be extended to June 30, 2027.

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 6/8/2026 day of _____, 2026.

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

Mark Ewbank, Vice President

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5/27/2026

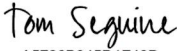
WHATCOM COUNTY FLOOD CONTROL ZONE DISTRICT:

Recommended for Approval:

DocuSigned by:
 5/27/2026
870E242DD76C408

Elizabeth Kosa, Public Works Director Date

Approved as to form:

Signed by:
 6/8/2026
A5726B945D1F48D...

Tom Seguire, Chief Civil Deputy Prosecuting Attorney Date

Approved:

Accepted for Whatcom County Flood Control Zone District:

Signed by:
 6/8/2026
1192C7C18B664E3...
By: _____
Satpal Sidhu, Whatcom County Executive, acting for the Whatcom County Flood Control Zone District
Board of Supervisors

Exhibit A-11

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 June 2027 to continue coordinating with the Nooksack FLIP Team and the FLIP Steering Committee, and in completing technical work supporting the process in alignment with a Proviso grant and a Floodplains by Design grant awarded to Whatcom County by the Washington State Department of Ecology.

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, Amendment 7 to the contract dated November 28, 2023, and Amendment 10 to the contract dated May 1, 2025. 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 (NHC), Slough Creek Consulting, Kramer Consulting, Cramer Fish Sciences, Carol Macilroy Consulting, S2 Sustainable Solutions, and Caravan Lab, will perform the services described in the following tasks. Caravan Lab is added to the consultant team via this amendment. 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 previously established on the contract.

Task 13 – River Corridor Width Analysis

Subconsultants NHC, Slough Creek Consulting, and Cramer Fish Sciences will assist Whatcom County and the FLIP Steering Committee with the following work in this task to extend the river corridor width analysis upstream to Upper Reach 4 and downstream to Upper Reach 1:

- Review background data and existing literature
- Conduct geospatial data analysis (e.g., updates to bankline mapping, area of hydraulically-connected floodplain within levees, historic channel occupancy mapping, complete analysis of individual meander erosion etc.).
- Investigate channel narrowing mechanism
- Review available geological and subsurface data
- Participate in coordination for Reach 1 corridor width defining approach and conduct analysis
- Develop relationships between corridor width and floodplain age and elevation distributions.
- Evaluate flood conveyance implications of alternative corridor widths
- Review habitat targets by reach, in relation to geospatial data collected and analyzed, and produce curves relating habitat performance for a range of corridor widths.

Task 13 Deliverable:

- Technical memo documenting analysis methods and results – first draft for Whatcom County review; second draft for FLIP Steering Committee review; and final version in Microsoft Word and Adobe PDF electronic file formats

Task 14 – Widen the Funnel Project Development

NHC, Herrera, and Cramer Fish Sciences will assist Whatcom County and the FLIP Steering Committee with the following work in this task:

- Define constraints to widening of the river corridor upstream of the Everson bridge and define a flow target for the corridor that is supported by the SWAG, FLIPSC, FLIP Flow Split Reach Team, and decision makers (e.g., 2006 conditions)
- Define evaluation criteria to use in comparing alternative widening concepts
- Prepare conceptual grading plans for several river corridor widening configurations in CAD, including habitat features
- Convene meetings with the FLIP sediment, water, and geomorphology (SWAG) habitat team to refine habitat elements in concept design plans
- Collect supplemental field data on near-surface soil characteristics at several locations in the floodplain, extending upstream of locations where such data was previously collected by NHC
- Define initial concepts and develop planning level representation (i.e., no detailed Civil3D terrain creation for these) in the HEC-RAS 2D model. Review simulation

results for hydraulic design parameters, anticipated geomorphic responses, and fish habitat suitability.

- Conduct HEC-RAS 2D modeling of up to two detailed channel bathymetry terrains and evaluate criteria as in the concept models.
- Begin refinement of the HEC-RAS 1D deformable bed model inputs based on additional field data, other recommendations for next steps in this modeling documented in a report prepared by NHC in June 2025, and coordination with modeling being done under separate contract with Whatcom County by the University of Washington
- Prepare for and attend SWAG team meetings to discuss iterative progress and results
- Evaluate salmon recovery benefits of each widening concept using habitat metrics already developed
- Refine concept design plans based upon draft results, leading to selection of a preferred concept design
- Provide technical support for Whatcom’s work to coordinate with Transmountain Pipeline, Washington Department of Transportation (WSDOT), and with landowners
- Prepare documentation of the analysis for Whatcom County and FLIP Steering Committee review
- Prepare presentation content for sharing analysis progress and results with the FLIP Steering Committee, and with FLIP reach teams

Task 14 Deliverables:

- Iterative hydraulic and sediment transport modeling results in the form of Microsoft Powerpoint files, screenshots in email messages, or other format for review
- Technical memo documenting the preferred flow target and conceptual design for the Widen the Funnel project in the Everson reach, including hydraulic and sediment transport model refinements, concept alternatives analyzed, evaluation criteria used to screen alternatives, and a recommendation for preferred alternative configuration – first draft for Whatcom County review; second draft for FLIP Steering Committee review; and final version in Microsoft Word and Adobe PDF electronic file formats
- Concept design plans for several river corridor widening alternatives prepared with AutoCAD software and exported in Adobe PDF file format – drawing sheets at various scales
- Refined concept design plans for the recommended alternative
- Presentation of analysis methods and results – Microsoft Powerpoint files

Task 15 – FLIP Process and Plan Writing Support

Herrera, NHC, Kramer Consulting, Carol Macilroy Consulting, S2 Sustainable Solutions, Slough Creek Consulting, Caravan Lab, and Cramer Fish Sciences will assist Whatcom County and the FLIP Steering Committee with the following work in this task:

- Complete a hydraulic and hydrologic Quality Assurance Project Plan (QAPP) that meets Ecology’s requirements.
- 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

- Prepare agendas, presentation contents, and notes from Reach Team meetings
- Facilitate Reach 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
 - Clarify and prioritize target audiences, communications goals, and high-impact messaging opportunities for FLIP and Whatcom County Public Works
 - Support with translation of technical studies, modeling results, and planning documents into clear, plain-language summaries (1-pagers)
 - Ensure consistency, clarity, and credibility across FLIP communications by establishing shared standards for visual identity, making materials easier to produce, recognize, and trust
 - Provide graphic, video or animated content to support public education and outreach
- 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
- Complete flow impacts threshold analysis involving simulation of flooding of occupied structures in all reaches, for a range of flood flows associated with past flood events up to a flood with peak flow equating to 1.75x a present-day 100-year flood, and documenting differences in flooding impacts to structures across all of those flow rates and reaches, including critical facilities.
- Evaluate mitigation options in each reach to reduce impacts of flooding on occupied structures and critical facilities in existing conditions and to offset potential impacts of proposed projects that would alter flood flow patterns
- 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 report produced by NHC in June 2025 as applicable
 - Model effects of various projects to reduce flooding impacts in each reach
 - Export model results in raster data format for inclusion in FLIP webmaps
 - 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 with consultants conducting hydraulic modeling on behalf of the City of Abbotsford, BC
 - Assist Whatcom County in coordinating with the US Geological Survey and National Weather Service; prepare presentations as needed for these meetings
 - Finalize technical report documenting calibration of 2D hydraulic model
 - Prepare other technical documentation and presentation material for sharing of model results and interpretation of the results
- Geomorphic analysis –

- Finalize technical memos documenting sediment transport modeling and analysis in the Everson reach in support of the Widen the Funnel project plans
 - Complete geomorphic analyses other than as are done under Task 14 as may be requested.
 - Prepare technical presentations, coordinate with the County, and attend interagency meetings related to geomorphic analysis work
- Concepts, scenarios, and alternatives development, analyses, and design for flood risk reduction and aquatic habitat enhancement
 - Preliminary layout and concept design of alternatives other than for the widen the corridor project area as will be done under Task 14
 - Hydraulic modeling of alternatives and evaluation of modeling results to refine alternative configurations for desired effects
 - Evaluate 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
- Maintain a file sharing site accessed by the Steering Committee and others doing FLIP technical work
- Maintain webmaps displaying hydraulic model results and other information for use by Whatcom County and the Steering Committee
- Assist Whatcom County in preparing a detailed outline for the final integrated floodplain management plan (IFMP) documentation that identifies the FLIP core strategies and draft package of actions.
- Write draft sections of the IFMP as information is available to do so
- Support the FLIP Steering Committee in convening Reach Team meetings, potentially a general public meeting, and other meetings with key project partners and stakeholders – provide input for meeting agendas, prepare presentation content, and assist in preparing notes following meetings

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 15 Deliverables:

- Monthly invoices and progress reports
- Notes from project management check-in meetings as applicable
- Steering Committee meeting agendas and notes
- Agendas, notes, and presentations for Reach Team meetings
- 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
- Final technical report documenting development and calibration of a 2D Nooksack River hydraulic model, as applicable
- Final technical memos documenting sediment transport modeling and analysis for the Everson reach
- Technical memo documenting flow impacts threshold analysis – first draft for Whatcom County review; second draft for FLIP Steering Committee review; and final version in Microsoft Word and Adobe PDF electronic file formats
- Conceptual design plans and cost estimates
- Support development and implementation of a strategic outreach and engagement plan, and develop relevant communications 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
- Maintain fileshare page and webmaps
- Annotated outline for the IFMP

Task 15 Assumptions:

- All deliverables produced under this contract that may be shared with the public, including but not limited to documents, PDFs, presentations, videos, graphics, and other digital materials, must comply with the Web Content Accessibility Guidelines (WCAG) 2.1 Level AA standards. The Contractor is responsible for ensuring that all applicable accessibility requirements are incorporated prior to delivery, including but not limited to the use of accessible document structure, alternative text for images, captioning or transcripts for audio and video content, sufficient color contrast, and compatibility with assistive technologies such as screen readers. Upon request, the Contractor shall provide documentation or confirmation that deliverables meet WCAG 2.1 Level AA standards. If accessibility issues are identified, the Contractor agrees to remediate such issues at no additional cost prior to final acceptance by the County.

Task 16 – Drainage District #1 Culvert Analysis

NHC will characterize the interrelated hydrology of Church Road Creek, Schell Creek, and Jordan Creek tributaries, that drain into the Nooksack River floodplain north of the Lummi River, and develop preliminary alternatives to address Church Road Creek flooding.

- NHC will provide standard project management services for the task work.

- Two NHC staff members will conduct a two-day field reconnaissance of the tributary watersheds, inspecting channels, ditches, crossings, and the Lummi River.
- NHC will evaluate water level data collected by Whatcom County for the tributaries.
- NHC will modify the Nooksack River watershed HSPF model produced for previous FLIP modeling purposes to improve accuracy of flow data used as input to hydraulic modeling for these tributaries.
- A simple hydraulic model of the three North Lummi Bay tributaries, adjacent floodplain areas, and the Lummi River will be developed in HEC-RAS. The model will be based on the FLIP Nooksack River HEC-RAS2D model, with terrain updates applied to more accurately simulate drainage ditches and streams in the area.
- The field reconnaissance, water level data, and existing conditions hydraulic modeling will be analyzed to determine the causes of flooding.
- Three alternative concepts will be developed to address the flooding and infrastructure impacts issues.

Task 16 Deliverables:

- NHC will produce a concise technical report documenting the work performed – draft and final.

Exhibit B-11 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 \$4,248,598. Any work continuing after the completion date of the amended contract, unless otherwise agreed upon in writing, will be at the Contractor's expense.


Cost Estimate for LOWER NOOKSACK RIVER FLOODPLAIN INTEGRATED PLANNING AMENDMENT 11
Herrera Project No. 16-06477-000
5/5/2026
Task No.
Herrera Labor based on: Direct Labor Rates

			13	14	15	16	Total
			River Corridor Width Analysis	Widen the Funnel Project Development	FLIP Process and Plan Writing Support	Drainage District #1 Culvert Analysis	
Schedule			Task Start Date	Task End Date	Task Start Date	Task End Date	
			10/1/2025	1/1/2026	7/1/2025	10/1/2025	
			6/1/2026	7/1/2027	7/1/2027	8/3/2026	
Staff	Labor Category	2026 Direct Labor Rates					
Ewbank, Mark	Engineer VII	\$93.48	0	52	556	0	608
Avolio, Christina	Engineer V	\$82.68	0	22	152	0	174
Mostrenko, Ian	Engineer V	\$90.52	0	16	30	0	46
Mirabile, Tina	Scientist V	\$70.11	0	0	30	0	30
Crickmore, Ian David	GIS Analyst V	\$61.72	0	6	140	0	146
Matsumoto-Hervol, Makie	GIS Analyst III	\$43.28	0	0	60	0	60
Siegel, Andrew	GIS Analyst IV	\$50.81	0	40	480	0	520
McGowan, Kristine	Administrative Coordinator III	\$44.72	0	6	28	0	34
Van Orden, Emma	Engineer II	\$49.58	0	40	80	0	120
Marston, Charles	CAD Technician IV	\$45.92	0	30	49	0	79
Johansen, Sally	Project Accountant IV	\$52.44	0	0	112	0	112
Total Hours per Task			0	212	1,717	0	1929
Subtotal Labor			\$0	\$14,160	\$118,329	\$0	\$132,490
192.32% Overhead			\$0	\$27,233	\$227,571	\$0	\$254,804
30.00% Profit on Direct Labor Only			\$0	\$4,248	\$35,499	\$0	\$39,747
Subtotal Herrera Labor			\$0	\$45,641	\$381,400	\$0	\$427,040
4% Escalation on Herrera Labor in 2027			\$0	\$548	\$4,577	\$0	\$5,124
Escalated Subtotal Herrera Labor			\$0	\$46,188	\$385,976	\$0	\$432,165

Subconsultants

Subconsultants					
Northwest Hydraulic Consultants	\$267,894	\$239,979	\$140,106	\$72,624	\$720,603
Cramer Fish Sciences	\$0	\$0	\$10,000	\$0	\$10,000
Slough Creek Consulting	\$0	\$0	\$10,141	\$0	\$10,141
Kramer Consulting	\$0	\$0	\$9,945	\$0	\$9,945
Carol Macilroy Consulting	\$0	\$0	\$12,375	\$0	\$12,375
Caravan Lab	\$0	\$0	\$50,000	\$0	\$50,000
S2 Sustainability Solutions	\$0	\$0	\$5,000	\$0	\$5,000
Subtotal Subconsultant Cost	\$267,894	\$239,979	\$237,567	\$72,624	\$818,064

Grand Total	\$267,894	\$286,167	\$623,543	\$72,624	\$1,250,229
Grand Total					\$1,250,229

Note: Herrera adjusts labor rates annually in January unless contract specifies otherwise.

Actuals Not To Exceed Table (ANTE)

Whatcom County Agreement: 201803009 Lower Nooksack River Comprehensive Flood Hazard Management Plan (CFHMP) Herrera Environmental Consultants, Inc. 2200 Sixth Avenue, Suite 1100 Seattle, WA 98121				
2026 Rates				
Job Classifications	Direct Labor Rate NTE	Overhead NTE	Fixed Fee NTE	All Inclusive Hourly Billing Rate NTE
		192.32%	30.00%	
Engineer VIII / Scientist VIII / Planner VIII	\$120.00	\$230.78	\$36.00	\$386.78
Engineer VII / Scientist VII / Planner VII / GIS Analyst VII	\$109.00	\$209.63	\$32.70	\$351.33
Engineer VI / Scientist VI / Planner VI / Landscape Architect VI / GIS Analyst VI	\$103.00	\$198.09	\$30.90	\$331.99
Engineer V / Scientist V / Planner V / Landscape Architect V / GIS Analyst V / CAD Designer V	\$96.00	\$184.63	\$28.80	\$309.43
Engineer IV / Scientist IV / Planner IV / Landscape Architect IV / GIS Analyst IV / CAD Designer IV	\$75.00	\$144.24	\$22.50	\$241.74
Engineer III / Scientist III / Planner III / Landscape Architect III / GIS Analyst III / CAD Designer III	\$60.00	\$115.39	\$18.00	\$193.39
Engineer II / Scientist II / Planner II / Landscape Designer II / GIS Analyst II /CAD Technician II	\$54.00	\$103.85	\$16.20	\$174.05
Engineer I / Scientist I / Planner I / Landscape Designer I / GIS Analyst I / CAD Technician I	\$44.00	\$84.62	\$13.20	\$141.82
Environmental Technician / Engineering Intern / Environmental Intern	\$39.00	\$75.00	\$11.70	\$125.70
Accounting Administrator I, II, III, IV, V, VI, VII	\$102.00	\$196.17	\$30.60	\$328.77
Project Accountant I, II, III, IV, V	\$61.00	\$117.32	\$18.30	\$196.62
Administrative Coordinator II, III, IV, V	\$51.00	\$98.08	\$15.30	\$164.38



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 4, 2025

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

Subject: Acceptance FYE 2024 ICR – CPA Report

Dear Jennifer Swanson:

We have accepted your firm's FYE 2024 Indirect Cost Rate (ICR) of 192.32% of direct labor (rate includes 0.16% Facilities Capital Cost of Money) based on the "Independent CPA Report" prepared by CliftonLarsonAllen, 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

Schatzie Harvey (Aug 4, 2025 10:28:02 PDT)

SCHATZIE HARVEY, CPA
Contract Services Manager

SH: kb

Actuals Not To Exceed Table (ANTE)

Northwest Hydraulic Consultants Inc 12787 Gateway Dr S Seattle WA 98168-3308					
Job Classifications	Job Classifications	Direct Labor Hourly Billing Rate NTE	Overhead 199.70%	Fixed Fee NTE 30.00%	All Inclusive Hourly Billing Rate NTE
Office Administrator	ADMINISTRATIVE ASSISTANT 3	\$35.40	\$70.69	\$10.62	\$116.71
Technical Editor / Accounting	ADMINISTRATIVE ASSISTANT 5	\$44.96	\$89.79	\$13.49	\$148.23
Engineer / Scientist 1	CIVIL ENGINEER 4	\$59.29	\$118.40	\$17.79	\$195.48
Senior Technical Editor	COMMUNICATIONS CONSULTANT 5	\$56.60	\$113.03	\$16.98	\$186.61
Principal and Sr. Proj Eng/Sci	DEPUTY	\$100.48	\$200.66	\$30.14	\$331.28
Sr CADD / Engineer Technician	ENGINEERING TECHNICIAN SUPERVISOR	\$55.82	\$111.47	\$16.75	\$184.04
Contract Administrator	FISCAL ANALYST 5	\$62.45	\$124.71	\$18.74	\$205.90
Jr Engineer / Scientist	TRANSPORTATION ENGINEER 2	\$46.32	\$92.50	\$13.90	\$152.72
Engineer / Scientist 2	TRANSPORTATION ENGINEER 3	\$52.02	\$103.88	\$15.61	\$171.51
Sr Engineer / Scientist 2	TRANSPORTATION ENGINEER 4	\$67.25	\$134.30	\$20.18	\$221.72
Sr Engineer / Scientist 1	TRANSPORTATION ENGINEER 5	\$76.87	\$153.51	\$23.06	\$253.44
Jr Engineering Technician	TRANSPORTATION ENGINEER INTERN	\$33.91	\$67.72	\$10.17	\$111.80
GIS Analyst 2	TRANSPORTATION PLANNING SPECIALIST 3	\$41.47	\$82.82	\$12.44	\$136.73
GIS Analyst 1	TRANSPORTATION PLANNING SPECIALIST 5	\$55.40	\$110.63	\$16.62	\$182.65
Engineering Technician	TRANSPORTATION PLANNING TECHNICIAN 3	\$41.63	\$83.14	\$12.49	\$137.25
Lab Technician	TRANSPORTATION TECHNICIAN 2	\$35.69	\$71.27	\$10.71	\$117.67
Sr Lab Technician	TRANSPORTATION TECHNICIAN 3	\$46.24	\$92.34	\$13.87	\$152.45

Northwest Hydraulic Consultants Inc.

12787 Gateway Dr S.
Seattle, WA 98168
Tel. (206) 241-6000
Fax (206) 439-2420

Prepared for: Herrera/Whatcom County River and Flood
Project: Nooksack River Floodplain Integrated Planning Corridor Assessment Reach Wide
Date: 3/16/2026
Project No.: 20010472
Prepared By: Todd Bennett

Labor Detail

Task 13: River Corridor Width Analysis														
Task #	Task Name	Principal	Sr. Engineer/ Scientist 1	Sr. Engineer/ Scientist 2	Engineer/ Scientist 1	Engineer/ Scientist 2	Jr. Engineer/ Scientist	GIS Analyst 1	Engineer Tech.	Contract Admin.	Sr. Technical Editor		Direct Cost	
1	Project management and meetings	40				24				2			\$ 17,779	
2	Background Literature Review	12				16		4					\$ 7,450	
3	Geospatial Data analysis	32				140		80			3		\$ 49,784	
4	Geomorphic Investigation of Narrowing Mechanism	64				80	32	4					\$ 40,540	
5	Geological and Subsurface Data Review	6				12	32	2					\$ 9,298	
6	Reach 1 Coordination and Analysis	64				80	96	40					\$ 56,890	
7	Develop Corridor Width Relationship	24				60	24						\$ 21,907	
8	Evaluate affects of alternative corridor widths	24				32	40						\$ 19,548	
9	Habitat Value Assessment	32				32		12					\$ 18,281	
10	Reporting	32				40	40				4		\$ 24,317	
Total Hours		330	0	0	0	516	264	142	0	2	7		\$ 265,794	
2026 WSDOT approved ANTE Table Rates		\$331.28	\$253.44	\$221.72	\$195.48	\$171.51	\$152.72	\$182.65	\$137.25	\$205.90	\$186.61			
												Total Labor:	\$ 265,794	
Direct Expense Detail												Units	Rate	Cost
Field Reconnaissance Mileage												140	\$0.725	\$ 100
Field Reconnaissance Hotel												0	\$120	\$ 0
Field Reconnaissance Meals												0	\$59	\$ 0
Equipment												1	\$2,000	\$ 2,000
Sediment sampling equipment												0	\$100	\$ 0
												Total Direct Expenses:	\$ 2,100	
Cost Summary												Cost		
Total Labor												\$ 265,794		
Total Direct Expenses												\$ 2,100		
												Total Project Cost:	\$ 267,894	

Northwest Hydraulic Consultants Inc.

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Prepared for: Herrera/Whatcom County River and Flood
Project: Nooksack River Floodplain Integrated Planning Widen the Funnel Design Phase 1
Date: 3/16/2026
Project No.: 20010472
Prepared By: Todd Bennett

Labor Detail

Task 14: Widen the Funnel Project Development

Task #	Task Name	Principal	Sr. Engineer/ Scientist 1	Sr. Engineer/ Scientist 2	Engineer/ Scientist 1	Engineer/ Scientist 2	Jr. Engineer/ Scientist	GIS Analyst 1	Engineer Tech.	Contract Admin.	Sr. Technical Editor		Direct Cost
1	Project management and meetings	40				32	8						\$ 19,961
2	Draft Evaluation Criteria and Design Constraints	20				40	40						\$ 19,595
4	Alternatives Analysis and Selection of Alternatives	32				80	80	16					\$ 39,462
5	1D HEC-RAS Model Refinement	24	32			140	140	8					\$ 62,914
6	Coordination with UW	32				24	24						\$ 18,382
8	Evaluation and Scoring of Alternatives and Reporting	56				180	180	12			3		\$ 79,665
Total Hours		204	32	0	0	496	472	36	0	0	3		\$ 239,979
2026 WSDOT approved ANTE Table Rates		\$331.28	\$253.44	\$221.72	\$195.48	\$171.51	\$152.72	\$182.65	\$137.25	\$205.90	\$186.61		
Total Labor:												\$	239,979

Direct Expense Detail

	Units	Rate	Cost
Field Reconnaissance Mileage	0	\$0.725	\$ 0
Field Reconnaissance Hotel	0	\$120	\$ 0
Field Reconnaissance Meals	0	\$59	\$ 0
Equipment	0	\$600	\$ 0
Sediment sampling equipment	0	\$100	\$ 0
Total Direct Expenses:			\$ 0

Cost Summary

	Cost
Total Labor	\$ 239,979
Total Direct Expenses	\$ 0
Total Project Cost:	\$ 239,979

Northwest Hydraulic Consultants Inc.

12787 Gateway Dr S.
Seattle, WA 98168
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Fax (206) 439-2420

Prepared for: Herrera/Whatcom County River and Flood
Project: Nooksack River Floodplain Integrated Planning Process and Plan Support
Date: 3/16/2026
Project No.: 20010472
Prepared By: Todd Bennett

Labor Detail

Task 15: FLIP Process and Plan Writing Support

Task 15: FLIP Process and Plan Writing Support													
Task #	Task Name	Principal	Sr. Engineer/ Scientist 1	Sr. Engineer/ Scientist 2	Engineer/ Scientist 1	Engineer/ Scientist 2	Jr. Engineer/ Scientist	GIS Analyst 1	Engineer Tech.	Contract Admin.	Sr. Technical Editor		Direct Cost
1	Technical Support	132				280	136	40			2		\$ 120,201
2	TFI Support	32				40	16						\$ 19,905
													\$ 0
													\$ 0
													\$ 0
													\$ 0
Total Hours		164	0	0	0	320	152	40	0	0	2		\$ 140,106

[illegible]

Direct Expense Detail

Direct Expense Detail	Units	Rate	Cost
Field Reconnaissance Mileage	0	\$0.725	\$ 0
Field Reconnaissance Hotel	0	\$120	\$ 0
Field Reconnaissance Meals	0	\$59	\$ 0
Equipment	0	\$600	\$ 0
Sediment sampling equipment	0	\$100	\$ 0

Total Direct Expenses:	\$	0
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Cost Summary

Cost Summary		Cost
Total Labor		\$ 140,106
Total Direct Expenses		\$ 0
Total Project Cost:		\$ 140,106

Northwest Hydraulic Consultants Inc.

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Seattle, WA 98168
Tel. (206) 241-6000
Fax (206) 439-2420

Prepared for: Herrera/Whatcom County River and Flood
Project: Nooksack River Floodplain Integrated Planning North Lummi Tributaries Drainage Analysis
Date: 3/16/2026
Project No.: 20010472
Prepared By: Vaughn Collins

Labor Detail

Task 16: Drainage District #1 Culvert Analysis			Sr. Engineer/ Scientist 1	Sr. Engineer/ Scientist 2	Engineer/ Scientist 1	Engineer/ Scientist 2	Jr. Engineer/ Scientist	GIS Analyst 1	Engineer Tech.	Contract Admin.	Sr. Technical Editor				
Task #	Task Name	Principal												Direct Cost	
1.1	Project Management	6				24								\$ 6,104	
1.2	Field Reconnaissance	16				16	28							\$ 12,321	
1.3	Observed Water Level Analysis	2				8								\$ 2,035	
1.4	Hydrologic Modeling	2				40								\$ 7,523	
1.5	Existing Conditions Hydraulic Modeling	8		12		40	96							\$ 26,832	
1.6	Alternatives Analysis	8		8		12	24							\$ 10,147	
1.7	Reporting	4				24	8				3			\$ 7,223	
Total Hours		46	0	20	0	164	156	0	0	0	3			\$ 72,185	
2026 WSDOT approved ANTE Table Rates		\$331.28	\$253.44	\$221.72	\$195.48	\$171.51	\$152.72	\$182.65	\$137.25	\$205.90	\$186.61				
												Total Labor:	\$	72,185	
Direct Expense Detail												Units	Rate	Cost	
Field Reconnaissance Mileage												360	\$0.725	\$ 260	
Field Reconnaissance Hotel												1	\$120	\$ 120	
Field Reconnaissance Meals												1	\$59	\$ 59	
Equipment												0	\$600	\$ 0	
Sediment sampling equipment												0	\$100	\$ 0	
												Total Direct Expenses:	\$	439	
Cost Summary														Cost	
Total Labor														\$ 72,185	
Total Direct Expenses														\$ 439	
														Total Project Cost:	\$ 72,624



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 11, 2025

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

Subject: Acceptance FYE 2025 ICR – CPA Report

Dear Diane Numrich:

We have accepted your firm's FYE 2025 Indirect Cost Rate (ICR) of 199.70% of direct labor (rate includes 0.70% 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

Schatzie Harvey (Dec 15, 2025 06:15:09 PST)

SCHATZIE HARVEY, CPA
Contract Services Manager

SH: kb

Amendment 11 Billing Rates and Budget for Individual Subconsultants

Kramer Consulting
 Carol Macilroy Consulting
 Slough Creek Consulting
 S2 Sustainability Solutions
 Caravan Lab
 Cramer Fish Sciences

Kramer Consulting		Task 15 Work	
Staff	Hourly Rate	Hours	Cost
Jim Kramer	\$195.00	51	\$9,945

Carol Macilroy Consulting		Task 15 Work	
Staff	Hourly Rate	Hours	Cost
Carol Macilroy	\$165.00	75	\$12,375

Slough Creek Consulting		Task 15 Work	
Staff	Hourly Rate	Hours	Cost
Karin Boyd	\$240.00	42	\$10,080
Expenses			\$61
Total			\$10,141

S2 Sustainability Solutions		Task 15 Work	
Staff	Hourly Rate	Hours	Cost
Steve Moddemeyer	\$250.00	20	\$5,000

Caravan Lab		Task 15 Work	
Staff	Hourly Rate	Hours	Cost
Marita Davison, Senior Strategist	\$220.00	56	\$12,320
Jennifer Moslemi, Senior Strategist	\$220.00	54	\$11,880
Krista Stonedahl, Designer	\$150.00	86	\$12,900
Tal Ormsby, Designer	\$150.00	86	\$12,900
TOTAL		282	\$50,000

 Hourly Rates						
Program Manager I	Senior Scientist	GIS Analyst I	Senior Biologist	Biologist	Bio Technician	Biometrician I
\$285	\$222	\$141	\$167	\$125	\$77	\$173
8	16	10	5	6	4	5
\$2,280	\$3,552	\$1,410	\$835	\$750	\$308	\$865

Task 15 labor hours
 Subtotal Cost
 Total Cost

\$10,000