

**BEFORE THE BOARD OF SUPERVISORS OF THE
CHEHALIS RIVER BASIN FLOOD CONTROL ZONE DISTRICT**

APPROVING CONTRACT SUPPLEMENTAL 2 WITH KLEINSCHMIDT) RESOLUTION NO. 26-014
ASSOCIATES FOR CONTINUED MITIGATION WORK)

WHEREAS, the Chehalis River Basin Flood Control Zone District (District) and Kleinschmidt Associates initially contracted in 2020 for mitigation planning and other technical services for a water retention facility, now more commonly called avoidance, minimization, and mitigation for a proposed flow-through dam for flood control and airport levee improvements, to support environmental review of the project; and

WHEREAS, the District and Kleinschmidt entered into a contract for work in Year 1 of the 2025-2027 state fiscal biennium pertaining to this ongoing effort; and

WHEREAS, the District has received additional funding for the ongoing work through Amendment 2 to its interlocal with the Washington Department of Ecology to support continued mitigation consulting for this project (IAA No C2600036); and

WHEREAS, the attached Supplemental 2 reallocates funds within the previous scope of work and adds new scope of work, resulting in an increase to the total contract compensation of \$1,982,500, and prioritizes the work most needed in the order most advisable for environmental review, given available funding, as set forth in its Exhibit A;

NOW THEREFORE BE IT RESOLVED that the attached Kleinschmidt Contract Supplemental No. 2 is hereby approved. The Chair is authorized to sign.

The foregoing resolution was ADOPTED by the Board of Supervisors of the Chehalis River Basin Flood Control Zone District at an open public meeting this October 20, 2026.

APPROVED AS TO FORM:

BOARD OF SUPERVISORS OF CHEHALIS RIVER BASIN
FLOOD CONTROL ZONE DISTRICT

R. D. Bay, Deputy Counsel
By: Interim District Counsel

Scott Brummer
Scott Brummer, Chair

ATTEST:

Lindsey R. Pollock
Lindsey R. Pollock, DVM, Vice Chair

Eric Eisenberg
Tammy Martin, District Clerk

Sean Swope
Sean Swope, Supervisor

for

in her absence



**Washington State
Department of Transportation**

Supplemental Agreement Number <u>02</u>		Organization and Address	
Original Agreement Number N/A		Kleinschmidt Associates 1500 NE Irving St Ste 550 Portland, OR 97232 Phone:	
Project Number N/A		Start Date August 1, 2025	Completion Date June 30, 2027 [unchanged]
Project Title Environmental Mitigation Planning Support Services		New Maximum Amount Payable \$4,537,425.27	
Description of Work Environmental mitigation planning support services (continuation of 2023-2025 biennium and Year 1 of 2025-2027 biennium) as outlined in the original contract agreement executed on October 27, 2025.			

The Local Agency of Chehalis River Basin Flood Control Zone District
desires to supplement the agreement entered in to with Kleinschmidt Associates
and executed on October 27, 2025 and identified as Agreement No. N/A
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

Section II, SCOPE OF WORK, is hereby changed to read:

See the attachment for the amended scope of work. In summary, this Supplemental 2 adjusts the scope of work and increases the cost by \$1,982,500.00 to conform to the Ecology Mitigation Contract funding (Amendment 2 to IAA No. 2600036) and to prioritize the work most needed, in the order most advisable, given available funding.

II

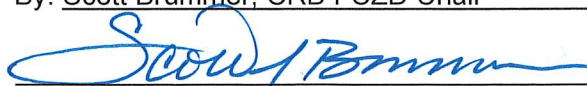
Section V, PAYMENT, shall be amended to increase the maximum compensation by \$1,982,500.00 from \$2,554,925.27 to a total maximum compensation of \$4,537,425.27. Kleinschmidt may bill up to this maximum.

as set forth in the attached Exhibit A, and by this reference made a part of this supplemental. 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: _____

By: Scott Brummer, CRB FCZD Chair

Consultant Signature



Approving Authority Signature

10-20-26

Date

October 15, 2026

Via Email

Mr. Eric Eisenberg
Ms. Kathy Burnaman
Chehalis River Basin Flood Control Zone District
2025 NE Kresky Avenue
Chehalis, Washington 98532

Proposal for Consulting Services (4827005.01)
Chehalis River Basin Flood Control Zone District – Mitigation Planning Support Services –
2025-2027 Biennium, Year 2

Dear Mr. Eisenberg and Ms. Burnaman:

Kleinschmidt Associates (Kleinschmidt) presents this proposal to provide the Chehalis River Basin Flood Control Zone District (District) with mitigation support services for Year 2 of the 2025-2027 biennium. The project focuses on advancing mitigation planning to a level that supports meaningful agency review and facilitates the District Board's long-term strategy recommendations. The work includes review and response to the forthcoming National Environmental Policy Act (NEPA) supplemental, advancing mitigation design and analysis; supporting the District with private landowner outreach; and coordinating with regulators and stakeholders, all within the framework established by the draft State Environmental Policy Act (SEPA) and NEPA Environmental Impact Statement (EIS) documents.

Proposed Scope of Work

Based on our understanding of the services requested, Kleinschmidt will implement a phased, adaptive approach to mitigation planning, integrating agency feedback, stakeholder engagement, and technical analysis to advance mitigation concepts to a level suitable for regulatory review and decision-making. The methodology emphasizes iterative design, robust field data collection, and model refinement to address agency questions regarding feasibility and functional benefits. Coordination with regulatory agencies, landowners, and project partners will be maintained throughout, supporting the District's objectives and compliance with SEPA, NEPA, Environmental Site Assessment, and Section 106 requirements.

The proposed work breakdown structure follows that used for Year 1 of the 2025-2027 biennium.

Task 1. Advance Mitigation Feasibility

The scope for this task is organized by subtasks below to align with the District's different types of mitigation actions.

1.1 Forest Conversion

This work would support the SEPA EIS and NEPA EIS processes by responding to past critiques of mitigation planning by advancing the Forest Conversion Plan to include treatment plans and details about native plant suitability and preventing invasive species' encroachment. Specifically, it would include preparation of materials to describe Wildlife Treatment Areas within the Forest Conversion and Wetland mitigation areas, research on which native plants can be used where to promote certain types of wildlife habitat, and documentation from other native forestation projects on overall ecological benefits to soils, mycorrhizae, hydrology, and localized air temperatures. If possible, in this amount of funding, this work may also include a data exercise to further refine forested wetland estimates.

1.2 Advance Mitigation Design to 60%

Advancing engineering design of selected aquatic habitat and culvert projects will help to ensure feasibility for these mitigation actions. Field surveys to characterize site-specific geomorphic features with context of the larger river reach will provide data to help to refine the location, size, and materials best suited to meet site-specific objectives of each action (e.g., add overhead structure, pool creation, and/or increase off channel habitat). This subtask will include advancing design for approximately 30% of the proposed habitat actions. The work is expected to continue each year through Fiscal Year 2031 when permitting for all aquatic habitat mitigation is expected to start.

1.3 Riparian Reforestation

Comments on the 2024 RMP included concerns that sufficient shade and wetland mitigation could not be implemented; suggested that the river was too large for effective temperature reduction from shade; and criticized the lag of time-lag analysis for shade modeling and the lack of separated spring and summer temperature analyses. This work would support the SEPA EIS and NEPA EIS processes and respond to those concerns by providing more field detail for proposed riparian plantings and conceptual designs of some planting areas to show feasibility. The field details would include information such as bank and tree height, existing onsite species types, soil conditions and wetland observations, and corridor width. With this greater level of conceptual detail in hand, this

line item would include updating shade- and water-quality modeling to match the conceptual shading proposed and show its significance to the SEPA and NEPA analysis (i.e., the temperature and water-quality effects of the project and the proposed mitigation).

Please note that providing field detail and conceptual designs for proposed riparian plantings would require contacting and discussing such planting possibilities with the landowners of the relevant parcels, and Kleinschmidt would need to ask permission from the landowners to collect site-specific data. As contacting landowners is an issue on which the Office of Chehalis Basin Partners have previously requested coordination of messaging, a coordination effort is outlined in Task 4 to ensure that this landowner contact is consistent with the overall Chehalis Basin Strategy.

1.4 Vegetation/Sedimentation Investigation and Analyses

Mud Mountain is a flood control dam on the White River in Washington State that is operated as needed for flood control. The District has been studying Mud Mountain to increase knowledge and expectations of the potential response of the upper Chehalis River system to operation of the proposed flow-through dam. In 2026, this included expanded summertime vegetation surveys within the Mud Mountain pool, and operational and sediment transport analyses. The District also has been conducting ongoing research on flow-through flood control dams in Japan. Under this task, the information and analysis will inform inundation modeling and eventually an updated Vegetation Management Plan document.

1.5 Mitigation Ecosystem Diagnosis and Treatment (MEDT) and Life Cycle Models

This subtask includes continued refinement of the District's MEDT model to reflect recent field data, refined project operations, potential impacts, and with-mitigation conditions. Outputs from the EDT will be used in the life cycle model to evaluate basin-level impacts and cumulative impacts to the salmon populations over time.

1.6 Mitigation Benefits Analysis

Previously, the U.S. Army Corps of Engineers (Corps) asked the District to work on a functional analysis that models whether the proposed mitigation would fully offset the habitat functions impacted by the project. In the SEPA Revised DEIS, the agencies echoed that request by listing a "quantitative function-based assessment approach" as an agency-requested mitigation measure. In lay terms, such a tool numerically models (1) the impact of the project on habitat functions and (2) whether the proposed mitigation makes up for that lost function. The purpose of such a tool is to identify specific ecological functions

that mitigation would enhance and identify any gaps in mitigation, in which case further mitigation would be required.

Because of the size of this project and the diverse habitat functions impacted, no existing tool covers all potential impacts. For example, aquatic and wetland functional assessment tools are available, but they do not address upland or wildlife functions, and are not simply scalable to the size or complex, synergistic nature of the District's mitigation plan. This task includes continued development of a functional analysis approach to meet the needs of the Corps and completion of a draft version of this functional analysis tool for agency review.

1.7 Operations and Hydrologic and Hydraulic (H&H) Modeling Coordination

The District anticipates further H&H modeling with regard to construction water supply environmental impacts, refined sediment transport analysis, fish passage refinements, and/or other mitigation topics relevant to environmental review. This task would include coordination with the engineering design team, quality assurance and quality control (QAQC) review of models and analyses as requested by the District, as well as potential additional analyses needed to support environmental impact assessment and mitigation planning.

1.8 Revised Draft and Final SEPA/NEPA EIS Support

This subtask allows for effort anticipated to respond to requests for information or comment by the state and federal agencies in the SEPA and NEPA processes. For example, the draft NEPA Supplemental DEIS is expected to be released late in 2026, requiring review and comment. Additionally, information requests about potential impacts and proposed mitigation related to the Interstate 5 floodwall in the airport levee proposal are anticipated.

1.9 New Contingency Mitigation Actions – Advance Design

Review of the SEPA DEIS identified some impacts for which no mitigation had been proposed yet or where additional mitigation may be required. Furthermore, as the engineering and operations of the flow-through dam continue to be advanced, it is anticipated that the proposed mitigation will need to be assessed for sufficiency to generate ecological lift. In addition, this task covers an exploratory analysis of potential aquifer locations in the upper Chehalis River basin, upstream of Pe Ell, that may be suited for aquifer recharge mitigation. This task includes development of mitigation to address impacts associated with the floodwall along I5 near the airport, potential mitigation at locations closer to impact and that address potentially significant impacts such as salmon spawning habitat. Design will be completed up to a 60% level.

Task 2. Support EIS

This task includes scope for the mitigation team to coordinate with the engineering design team regarding biological and mitigation perspectives as well as covers mitigation advancements and analytical support for the Final Biological Assessment (BA) being prepared for the Corps.

The District anticipates that there may be initial (and somewhat discrete) interactions with the Corps and the Services requesting specific initial work to make the Final BA "complete" from the agencies' perspective. Kleinschmidt will participate in meetings with federal agencies and review the mitigation plan in response to meeting outcomes, considering necessary changes to actions or contingencies. The District will be engaged with the Corps and the Services through the Environmental Site Assessment consultation process, with anticipated refinements to mitigation based on feedback.

The District anticipates requests for considerable detail from the Services concerning proposed mitigation to offset project impacts. This subtask includes funds for the portion of this work that may begin this biennium. This effort is expected to include provisions for additional information about feasibility and effectiveness of mitigation that will be summarized from research and studies described in Task 2.

The mitigation team also will coordinate with Tribal stakeholders, develop presentation materials, and plan and participate in meetings with Tribes regarding mitigation planning and Section 106 permitting. Mitigation models, such as EDT and Salmon Slider, will be developed or refined to quantify potential benefits.

Task 3. Support Decision Makers

Kleinschmidt will support the Office of Chehalis Basin by developing presentations, planning and participating in meetings, supporting the District's landowner engagement efforts, and preparing supporting materials related to mitigation activities. Modeling and technical analyses and reporting are assumed to be included in other tasks; no new model runs are planned under this task.

Staffing

Projected labor hours for key personnel are presented in Table 1.

TABLE 1 KEY PERSONNEL AND PROJECTED LABOR HOURS.

Staff	Project Role	Hours
Kleinschmidt		
MaryLouise Keefe	Program Manager	840
Jason Romine	Fish Scientist/Fish Population Modeler	520

Paul DeVries	Geomorphologist/Hydrologist	1,300
Betsy McGregor	Ecologist, Regulatory Specialist	400
Kai Steimle	Aquatic Ecologist	564
Peter Stevens	Ecologist	524
Blake Hamilton	Fish Scientist	144
Emma Royce	Landowner Engagement, Field Support	420
Joshua Brainerd	Wetland Scientist	660
Jason Kent	Project Manager	200
Andrew Yoder	GIS Analyst	360
Support Staff	See Table 2	
Subcontractors		
ABR, Inc.	Wildlife Habitat Evaluations/ Vegetation Technical Support	495
HydroGeoLogic	Agency Consultation and Wetland Technical Support	90
ICF Environmental	EDT Model Application	TBD

TABLE 2 SELECTED KLEINSCHMIDT SUPPORT STAFF.

Kleinschmidt Support Staff	Project Role
Vanessa Martinez	Water Quality Modeling
Chi-Ming Huang	Hydraulic Modeling
Robert Schomp	Hydraulic Modeling
Hyato Murai	Riparian and Aquatic Habitat Field Support
Ryan Baird	Design Engineer
Chris Goodell	Hydraulic Modeling QA/QC
Michelle Alvarado	GIS QA/QC
Shifa Sheikh	Project Coordinator
Sabrina Panos	Program Administrator
Paul Larson	Project Director
Nicole Haibach	Project Accountant

Schedule

The Proposed Scope of Work will be performed according to a schedule determined with the District, and the deliverables are presented in Table 3.

Cost of Services

Kleinschmidt will perform the proposed work on an Hourly Rate plus Expenses basis for the estimated cost of **\$1,982,500** (one million nine hundred eighty-two thousand five hundred dollars). The Cost of Services is calculated using Kleinschmidt's Standard Rates.

The estimate is not a fixed price or an upper limit. We will not exceed the estimated amount without first discussing the need with you and receiving your authorization to proceed.

Task Name	Estimated Cost
Task 1 – Advance Mitigation Feasibility	\$1,740,000
Task 2 – Support EIS	\$167,500
Task 3 – Support Decision Makers	\$75,000
Total	\$1,982,500

Terms and Conditions

The proposed Scope of Work will be performed on an Hourly Rate plus Expenses basis per the Local Agency A&E Professional Services Negotiated Hourly Rate Consultant Agreement with Chehalis River Basin Flood Control Zone District and Method of Payment (Attachment A).

TABLE 3 PROPOSED DELIVERABLES.

Contract Tasks	Activities	Deliverables
Task 1. Advance Mitigation Feasibility	Mainstem Chehalis Riparian Reforestation Planning	Draft Planting Plan for 2026 parcels types
	Lower Bunker Creek	Draft Planting Plan
	RM 87.6-89.3	Draft Wildlife Treatments and Planting plans
	Forest Conversion	Draft technical memorandum (TM) for model updates; redd inundation, tree survival, others as needed
	Advance Mitigation Design to 60%	No deliverables identified at this time
	Riparian Reforestation	Draft of Update Shade Mitigation Memorandum
		Draft Bed Scour Analysis 2023-2027
		Draft Substrate Tracer Study Memorandum
		Draft Effective Discharge Memorandum
		Draft 2026 Mud Mountain Vegetation and Operations Analysis Memorandum
Vegetation/Sedimentation Investigation and Analyses		Draft 2026 Vegetation Management Plan Update
Mitigation Ecosystem Diagnosis and Treatment (MEDT) and Life Cycle Models		Completed EDT and Life Cycle models
		Draft ECT Report
		Draft LCM Report
		Draft Forest Conversion Ecological Benefits Memorandum
		Draft Functional Analysis Framework Memorandum
Mitigation Benefits Analysis		
Operations and Hydrologic and Hydraulic (H&H) Modeling Coordination		No deliverables identified at this time
Revised Draft and Final SEPA/NEPA EIS Support		District's comments regarding mitigation in SEPA response to DEIS comments
		Drawings depicting conceptual design of new mitigation
		Draft TM documenting analysis/model results for new TM
New Contingency Mitigation Actions – Advance Design		
Coordinate with Engineering Design Team		No deliverables identified at this time
Support SEPA/NEPA		No deliverables identified at this time
Support Office of Chehalis Basin		No deliverables identified at this time
Task 3. Support Decision Makers		No deliverables identified at this time
Landowner Engagement		No deliverables identified at this time

Kleinschmidt appreciates the opportunity to assist Chehalis River Basin Flood Control Zone District with this project. If you have any questions regarding this proposal, please call or e-mail MaryLouise Keefe at MaryLouiseKeefe@KleinschmidtGroup.com or (971) 369-0685.

Sincerely,

KLEINSCHMIDT ASSOCIATES



MaryLouise Keefe
Principal Consultant/Program Manager



Kelly Larimer
Chief Technical Officer

MLK:SP

Attachment A Method of Payment

cc: Jason Kent; Proposal Distribution

ATTACHMENT A
METHOD OF PAYMENT

KLEINSCHMIDT ASSOCIATES

METHOD OF PAYMENT

1. Client may pay Kleinschmidt either on a negotiated Lump Sum basis or Hourly Rate basis, as defined in the Work Authorization and agreed by the *Client* and Kleinschmidt in writing.
2. Client agrees to pay Kleinschmidt for Services the amounts quoted in the Proposal or Work Authorization, in accordance with the compensation terms laid out in the contract. Kleinschmidt agrees not to exceed the estimated consulting costs as stated in the proposal without explaining the need to the Client and obtaining the Client's authorization to proceed.
3. For Lump Sum projects, Kleinschmidt will invoice monthly as a percent complete of the project or Work Authorization, unless otherwise defined in the Work Authorization.
4. For Time and Materials, or Hourly Rate projects, Kleinschmidt will invoice monthly for all employee time at the hourly billing rate currently in effect, times a number of hours worked on the project plus subconsultant fees and expenses as described below. Client agrees to pay for expert testimony and direct preparation for testimony in any litigation, arbitration, or other legal or administrative proceeding at 150% of the standard billing rates with a minimum daily charge based upon an 8-hour day, plus Reimbursable Expenses.
5. For any projects where expenses are invoiced separately from labor, the following apply:
 - a. Client agrees to pay Kleinschmidt a 10 percent markup for subconsultant services.
 - b. Client agrees to pay 3 percent of labor costs for telecommunications (e.g., phone, data transmission and storage, fax, conference and video conference, data security).
 - c. Client agrees to pay for specialized computer programs, field equipment, and other unit charges (e.g., photocopies, mileage, photos, drawing reproductions, CD preparation, SharePoint hosting) according to the current rates in effect.
 - d. Client agrees to pay any other reimbursable expenses actually incurred by Kleinschmidt at cost.

V:\Admin Group\Contractual Documents\2023 Files\Method of Payment.docx