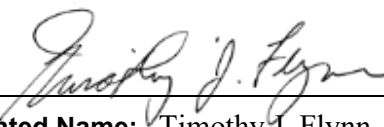




Contract Change

Change No.: 18	Project No.: 090094-010	Date: May 4, 2020
Client: City of White Salmon		
Project Name: White Salmon River Source Reliability Study		
Description of Change		Cost
<p>This contract change provides a scope of work and budget authorization to complete a White Salmon River Source Reliability Study. Please see Attachment A for the Scope of Work and a detailed budget.</p>		<p>Not to Exceed \$245,000</p> <p>To be billed on a time-and-materials basis in accordance with the attached Schedule of Charges.</p>
<p>This change amends the contract between Aspect Consulting, LLC and Client dated February 4, 2009. Except as amended above, all terms and conditions of contract apply to this contract change.</p>		
<p>ASPECT CONSULTING, LLC <i>a limited liability company</i></p>	<p>By: </p>	
	<p>Printed Name: Timothy J. Flynn, LHG President & Principal Hydrogeologist</p>	
<p>CLIENT</p>	<p>By:</p>	
	<p>Printed Name/Date:</p>	

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Bainbridge Island Office:	350 Madison Avenue North, Bainbridge Island, WA 98110	(206) 780-9370
Bellingham Office:	907 Harris Avenue, Suite 301, Bellingham, WA 98225	(360) 746-8964
Bend Office:	532 SW 13th St., Ste. 103, Bend, OR 97702	(971) 865-5896
Seattle Office:	710 2nd Ave, Suite 550, Seattle, WA 98104	(206) 328-7443
Olympia Office:	504 14th Ave SE, Suite 200, Olympia, Washington 98501	(360) 788-5146
Portland Office:	522 SW Fifth Avenue, Suite 301, Portland, OR 97204	(971) 865-5890
Wenatchee Office:	23 South Mission Street, Suite C, Wenatchee, WA 98801	(509) 888-5766
Yakima Office:	123 East Yakima Avenue, Suite 200, Yakima, WA 98901	(509) 895-5957



SCHEDULE OF CHARGES

Effective January 2020

Unless otherwise stated in the proposal or services agreement, current rates are as follows:

PERSONNEL CHARGES: ENGINEERS, SCIENTISTS, AND ANALYSTS	Hourly Rate
<i>Principals and Associates</i>	
Principal Scientist/Engineer/Analyst 2	\$263
Principal Scientist/Engineer/Analyst 1	\$249
Sr. Associate Scientist/Engineer/Analyst	\$230
Associate Scientist/Engineer/Analyst	\$215
<i>Technical Professionals</i>	
Senior Scientist/Engineer/Analyst 3	\$215
Senior Scientist/Engineer/Analyst 2	\$202
Senior Scientist/Engineer/Analyst 1	\$188
Project Scientist/Engineer/Analyst 3	\$173
Project Scientist/Engineer/Analyst 2	\$160
Project Scientist/Engineer/Analyst 1	\$150
Staff Scientist/Engineer/Analyst 3	\$138
Staff Scientist/Engineer/Analyst 2	\$125
Staff Scientist/Engineer/Analyst 1	\$116

PERSONNEL CHARGES: TECHNICAL AND PROJECT SUPPORT STAFF	Hourly Rate
<i>Field/Construction Staff</i>	
Field/Construction Supervisor	\$128
Field Technician 2	\$104
Field Technician 1	\$97
<i>Design, CAD, and Graphics Staff</i>	
Engineering Designer	\$150
Sr. CAD Technician/Specialist	\$135
CAD Technician	\$119
<i>Technical Editing and Project Operations</i>	
Sr. Technical Editor	\$120
Technical Editor / Project Coordinator 3	\$109
Project Coordinator 2	\$101
Project Coordinator 1	\$96

PERSONNEL CHARGES: TECHNOLOGY AND SOFTWARE DEVELOPMENT	Hourly Rate
Sr. Technology Project Manager	\$224
Technology Project Manager	\$208
Senior Software/Database Architect/ Developer	\$213
Software/Database Architect/ Developer	\$187

OTHER DISBURSEMENT CHARGES	
Legal Testimony (4-hour minimum)	\$350/hr
Mileage, meals, and lodging	Federal Gov Rates
Subcontractors and Miscellaneous Expenses	Cost Plus 10%
Other equipment, rentals, and expenses will be provided on a per job basis.	

Client acknowledges that Aspect will adjust the Schedule of Charges annually, and that the Agreement will remain valid for any and all annually adjusted Schedule of Charges.

White Salmon River Source Reliability Study

Scope of Work

Aspect Consulting LLC

Prepared: May 4, 2020

Project Background

Aspect Consulting, LLC (Aspect) recently completed an appraisal level study that investigated whether the White Salmon River would serve as a suitable alternative municipal water source for the City of White Salmon (City). Alternative sources are needed to meet the City's drought reliability criteria, while also providing the potential for concurrent instream flow benefits in tributaries to the White Salmon River. Potential synergy with a new White Salmon Irrigation District (WSID) alternate source project was also investigated as part of the study. The study, which was completed in 2017, was funded by the Washington State Department of Ecology (Ecology) Office of Columbia River (OCR).

The City has consistently relied on surface water diversions from Buck Creek and Jewett Springs to provide drinking water supplies for its customers. In response to seasonal demand and reliability issues, the City made improvements to their system in 1999 to augment surface water supplies from Buck Creek with two new groundwater sources (Wells 1 and 2). This allowed the City to relegate Jewett Springs to a backup supply.

Declining aquifer levels associated with Wells 1 and 2 have necessitated greater reliance on Buck Creek (seasonally). During the 2015 drought, this prompted the City to move forward with plans to restore Jewett Springs as a permanent water source. However, concerns expressed by State and Tribal fisheries managers about the value of both Jewett Creek and Buck Creek to fish prompted consideration of additional water sources and strategies. The City expressed a willingness to consider alternate ways to meet their public water system reliability needs while concurrently meeting fisheries objectives, and convened an advisory group consisting of local, state, tribal, and federal agencies and key stakeholders.

An opportunity exists to create a new surface water diversion on the White Salmon River with shared benefits for both instream aquatic resources and the City. The new diversion would require significant upgrades to the City system, including: a new screened intake from the White Salmon River, pumping infrastructure, a new surface water treatment facility, disinfection, transmission main improvements, and operational changes. Groundwater options were also explored but were deemed less feasible than surface water, based on cost and reliability.

Such a project could result in approximately 3.2 cubic feet per second (cfs) of instream flow benefit for aquatic resources and anadromous fish species on Buck Creek and Jewett Creek. Approximately 2.2 cfs of late summer and fall water rights on Buck Creek would be exchanged for an equivalent amount of water rights on the White Salmon River; 1 cfs of Jewett Springs rights would be similarly exchanged. The City would rely on Buck Creek in the winter, spring, and early summer as its primary source of drinking water, and to replenish the City's source wells via an aquifer storage and recovery (ASR) project funded previously by OCR. The City would then rely on the White Salmon River source to supply drinking water

during the summer and fall. Year-to-year source substitution dates could be coordinated with fishery co-managers via an adaptive management process to make sure the City's needs are met while maximizing fish benefits.

The White Salmon Irrigation District (WSID) is also exploring two water conservation projects related to reducing diversion quantities on Buck Creek. The first project seeks to improve diversion on Buck Creek with improvements to screening and conveyance. This project would reduce diversion quantities by 2.39 cfs to 4.11 cfs. The second project involves relocating the existing diversion to the White Salmon River by installing a new surface water intake and pump station. This alternative would reduce diversion from Buck Creek by the full quantity of 6.5 cfs.

A shared WSID and City alternative (Alternative 5A) considered as part of the appraisal study received majority endorsement by the Advisory Group. This alternative would consist of the following project elements: (a) a new shared surface water diversion on the White Salmon River in the vicinity of the WSID pipeline bridge; (b) a new City surface water treatment facility and pipeline conveyance; and (c) a new piped system for WSID and pump station as the primary supply. For Alternative 5A, the City would retain Buck Creek diversions as an auxiliary diversion point with a diversionary schedule set by a trust water agreement with Ecology. The total project cost of this alternative was estimated at approximately \$11.5 million (2017 dollars) with an estimated water savings of 2,103 acre feet per year. A major consideration of this alternative is the absence of an identified site for the needed surface water treatment infrastructure for the City, which would be determined during this feasibility study.

The City has retained Aspect to complete a detailed feasibility study of the proposed project. Project goals include the completion of necessary studies and preliminary engineering suitable for feasibility assessment as well as documentation of permitting and design requirements for the selected alternative. Aspect recommends a phased approach to completing the proposed work as described in scope of work detailed below.

Scope of Work

This scope of work describes the tasks, products, and fee estimate to complete the following tasks. Each task includes sufficient project management to conduct regular monthly team meetings by phone to ensure ongoing coordination and communication for the project.

Phase 1: Update Advisory Group and verify data is suitable for alternatives analysis

Task 2 – Project kickoff, team and stakeholder meeting

Task 3 – Gather and review project data, assess suitability of available water quality data

Phase 2: Verify alternatives analysis supports slow sand filtration plant

Task 4 – Analysis of treatment requirements and treatment system alternatives

Phase 3: Slow sand filtration pilot study

Task 5 – Surface water treatment pre-design / pilot study

Phase 4: Slow sand filtration design

Task 6 – Preliminary facility siting and conveyance alignment alternatives

Task 7 – Pre-permitting and agency coordination

Task 8 – Preliminary design

Task 9 – Preliminary engineering report

Task 10 – Project Coordination

Phase 1

Task 2 – Project Kickoff, Team and Stakeholder Meeting

Aspect will provide effective team and stakeholder coordination and overall leadership during the project. This task involves:

- Preparing for and attending a project kick-off meeting with Advisory Group members. Representatives from the consultant team will attend the kick-off meeting in person. Aspect will provide a meeting agenda and informational materials and take notes during the meeting. The Advisory Group has not met in over a year. The goal of this effort is to ensure they know what to expect during the current project timeline, and how phasing will provide opportunities for feedback.

Products:

- *Kick-off meeting materials and meeting minutes.*

Assumptions:

Two-hour kick-off meeting in White Salmon, followed by field tour of project area.

Due Date:

- *May 15, 2020*

Task 3 – Gather and Review Project Data, Assess Suitability of Available Water Quality Data

The Aspect team will:

- Gather and review existing City, resource agency, and other relevant data, including: available GIS data; current City Water System Plan; information on existing City water treatment plant (slow sand filtration), including prior pilot study report, engineering reports, as-built drawings, treatment plant operations and maintenance plan, and available water quality monitoring data; relevant survey, topographic (LiDAR), soils, and geotechnical data in the project area; and historic and recent water quality monitoring data for the White Salmon River. Some of this information is available from previous studies and will be updated since the last report.

Attachment A – Scope of Work

- Identify any data gaps and immediate data needs.
- Conduct limited field reconnaissance of the proposed project area and location of proposed improvements, including: new surface diversion location, transmission main alignments, potential locations for siting treatment facility, etc. Field work will focus on visual assessment of potential geohazards, fluvial geomorphologic, and aquatic habitat conditions, as well as potential recreational impacts. Preparations will include coordination with the City regarding property access and timing of planned field work, development of a field work plan, field maps and data forms, and a field safety plan. Following the field work, collected data and photos will be organized, cataloged, and provided to the City.
- Incorporate data into GIS as needed.
- Complete an assessment of the integrity of available water quality data for the White Salmon River for use on this project. The assessment will focus on the extent and availability of data with emphasis on periods of rapid and seasonal changes in water quality conditions within the expected window of anticipated operations of a proposed treatment plant or during emergency operations.
- Prepare for and attend a data integrity meeting with the City and representatives from the Washington State Department of Health (DOH) to review findings from the data assessment and verify if the data is sufficient to complete an analysis of treatment system alternatives under Task 4. Aspect will provide a meeting agenda and informational materials and take notes during the meeting. We note that the City has expressed a desire for slow sand filtration for the new source to mirror operations, maintenance, operator expertise, required equipment, and other factors. The evaluation will focus on whether this preference can be met with the raw water quality data available. In the event that the extent and availability of data does not meet DOH requirements, then Aspect will rescope with the City to plan for and execute additional water quality monitoring to better characterize raw water per DOH direction.

Products:

- *Field work and safety plan (pdf format).*
- *Completed field notes, photos, inventory forms, etc.*
- *Project basemap and updated GIS data file.*
- *Draft and final water quality assessment memorandum (pdf format).*
- *Meeting materials and meeting minutes.*
- *Email summary to Advisory Group on conclusion of this phase of the project and next steps.*

Assumptions:

- *Our phasing plan assumes that the available water quality information pre- and post-Condit Dam removal will be sufficient for this phase. If DOH determines otherwise, we will work with Ecology to rescope the next phases as needed for additional data collection.*
- *No additional source water monitoring is needed to characterize raw water. Available water quality data for the White Salmon River is adequate to complete a preliminary determination of a suitable treatment method. A summary of historic surface water information for the White Salmon River is presented in the White Salmon River Source Reliability Study (Aspect, 2017).*
- *Immediate data necessary for the project is readily available for use by the consultant team.*

Attachment A – Scope of Work

- *City to coordinate with property owners as needed for consultant team access.*
- *City staff are available to assist in the data gathering and field work as needed.*
- *Field reconnaissance effort limited to one full day (8 hours) for two consultant staff. Site visits to commence the day following the kick-off meeting.*
- *Field work does not include detailed site reconnaissance, topographic survey, or water quality sampling and analysis necessary for proposed project siting analysis, pilot study, and preliminary design effort.*
- *Prompt agency review cycle on water quality assessment memorandum.*
- *Two-hour data integrity meeting in White Salmon.*

Due Date:

- *November 30, 2020*

Phase 2

Task 4 – Analysis of Treatment Requirements and Treatment System Alternatives

The Aspect team will:

- Evaluate source water conditions and finished water quality requirements to compare appropriate and applicable water treatment alternatives for the proposed new surface water source considering the following DOH guidance:
 - Finished drinking water quality requirements.
 - Raw water characteristics, including extent and availability of data.
 - Current and future capacity needs of the City.
 - Existing required water system components.
 - Operational capacity, expertise, and available resources.
 - Waste disposal, management, and waste discharge permitting considerations.
 - Preliminary capital and annual O&M costs.
- Prepare a draft treatment alternatives memorandum with recommendation regarding a preferred treatment alternative and submit to the City and resource agency staff for review and comment. The treatment alternatives memorandum will expand upon the existing Source Appraisal Report (Aspect, 2017), and provide the analysis of alternatives documenting feasibility for the preferred alternative. We note that the City has expressed a desire for slow sand filtration for the new source to mirror operations, maintenance, operator expertise, required equipment, and other factors. This memo will evaluate whether this preference can be met with the raw water quality data available, or if needed, through additional monitoring to characterize raw water conditions as described under Task 3.
- Review comments on the draft treatment alternatives memorandum and prepare preliminary responses.

Attachment A – Scope of Work

- Schedule and hold a conference call with the City and resource agency staff to review comments and draft responses and obtain direction necessary to prepare the final memorandum.
- Revise and finalize the treatment alternatives memorandum and submit to DOH for approval.

Products:

- *Draft and final treatment alternatives memorandum (pdf format).*

Assumptions:

- *Only minor comments from the City and resource agencies on the draft treatment alternatives memorandum. Unless necessary to correct errors, no significant new work or rework unless additional funding is provided.*
- *Analysis of alternatives to be limited to the surface water treatment options identified in the Source Reliability Study (Aspect, 2017).*
- *Any proposed slow sand filtration system alternatives are assumed to have similar design as the City's existing treatment system in operation on Buck Creek, and will incorporate feedback from the City for design, construction, and operational costs of the existing system.*
- *As noted above, the City has expressed a desire for slow sand filtration treatment for the proposed new source. In the event that slow sand filtration is not a viable treatment option, Aspect will rescope with the City and OCR. Otherwise, Task 5 below assumes that slow sand filtration is a viable treatment option for advancement to a pilot study phase.*

Due Date:

- *January 31, 2021*

Phase 3

Task 5 – Surface Water Treatment Pre-Design / Pilot Study

A pilot-scale study of an assumed slow sand filtration treatment technology will be completed to demonstrate that treated water will meet water quality standards, determine final design parameters, and estimate construction and operation costs. The pilot study will be of sufficient duration (approximately 12 months) to demonstrate the effectiveness, stability, and reliability of the proposed treatment system over a range of water quality conditions, including the period(s) of most challenging conditions.

The Aspect team will:

- Coordinate with DOH regional engineering staff to verify the pilot study duration, objectives, and required monitoring program components (parameters, monitoring locations, frequency of monitoring, equipment, etc.).
- Develop a pilot study plan which outlines study goals and objectives, monitoring programs, operational requirements, equipment needs, layout, calculations, and study costs. The monitoring program will follow DOH guidance and will describe the study duration, water quality parameters, monitoring frequency for each parameter, equipment needs, and personnel and/or outside laboratories responsible for monitoring and analysis. The pilot study plan will

Attachment A – Scope of Work

incorporate necessary content to meet Ecology's Quality Assurance Project Plan (QAPP) requirements.

- Submit a draft pilot study plan to DOH, OCR, Yakama Nation (YN), and the City for review and comment.
- Review comments on the draft pilot study plan and prepare preliminary responses.
- Schedule and hold a conference call with DOH, OCR, YN, and the City to review comments and draft responses and obtain direction necessary to prepare the final pilot study plan.
- Revise and finalize the pilot study plan and submit to DOH for approval.
- Execute an approved pilot study for the proposed water treatment technology following the approved pilot study plan. Includes water quality monitoring and sampling and analysis of both raw surface water and the City's distribution system water to better characterize existing conditions and inform initial treatment component design.
- Prepare a pilot study report which summarizes and evaluates study data, determines feasibility of proposed treatment for full-scale implementation, identifies final design and operating parameters, and identifies cost projections. Submit the report to DOH, OCR, YN, and the City for review and comment.
- Review comments on the draft pilot study report and prepare preliminary responses.
- Schedule and hold a conference call with DOH, OCR, YN, and the City to review comments and draft responses and obtain direction necessary to prepare the final pilot study report.
- Revise and finalize the pilot study report and submit to DOH for approval.

Products:

- *Draft and final pilot study plan (pdf format).*
- *Draft and final pilot study report (pdf format).*

Assumptions:

- *Scope and budget for pilot study assumes a 12-month study duration.*
- *Pilot study plan incorporate necessary content to meet Ecology's QAPP requirements.*
- *Assumes the City will provide appropriate facilities/location for pilot testing. Pilot testing assumed to be completed at the City's existing source water treatment plant using project-specific testing equipment supplied by City and discharge to waste.*
- *Aspect to support start-up activities and provide on-call support to City staff during pilot testing.*
- *City staff to complete day-to-day sampling, operations of pilot testing system, and sampling costs.*
- *The remaining tasks presented below assume that slow sand filtration is a viable treatment option for advancement to a proposed project siting analysis and preliminary design effort.*

Due Date:

- *April 30, 2022*

Phase 4

Task 6 – Preliminary Facility Siting and Conveyance Alignment Alternatives

The Aspect team will:

- Complete a parcel suitability assessment for potential siting of a proposed treatment facility and conveyance pipeline. The assessment will focus on likely treatment plant size, existing land use, setback requirements, access/easement needs, potential impacts (noise, critical areas, etc.), and other requirements.
- Prepare maps and schematics showing potential parcels, property ownership, proposed facility locations, and proposed conveyance alignments consistent with Alternative 5a.
- Support City staff efforts in conducting landowner outreach. It is envisioned that the City will lead the outreach effort by phone or by letter to gauge landowner support and solicit input for the project.
- Prepare for and attend a conference with City staff to review landowner feedback and determine if additional work is needed.
- Prepare a draft conceptual facility siting and conveyance alignment alternatives memorandum with recommendation regarding a preferred alternative for implementation of Alternative 5a and submit to the City and resource agency staff for review and comment. The memorandum will incorporate findings from the parcel suitability assessment and results of the landowner outreach effort.
- Review comments on the draft memorandum and prepare preliminary responses.
- Schedule and hold a conference call with the City and resource agency staff to review comments and draft responses and obtain direction necessary to prepare the final memorandum.
- Revise and finalize the conceptual facility siting and conveyance alignment alternatives memorandum.

Products:

- *Key landowner outreach materials (pdf format).*
- *Draft and final conceptual facility siting and conveyance alignment alternatives memorandum (pdf format).*

Assumptions:

- *City to lead landowner outreach effort and provide a written summary of initial landowner interest and any other input received for incorporation into the memorandum.*
- *Transactional due diligence not included in this budget. Additional effort required for chain of title, easement, and Phase I ESA services may be recommended prior to acquisition as part of a future phase of work.*
- *Only minor comments from the City and resource agency staff on the draft memorandum. Unless necessary to correct errors, no significant new work or rework unless additional funding is provided.*

Due Date:

- *July 31, 2022*

Task 7 – Pre-Permitting and Agency Coordination

The Aspect team will:

- Arrange and attend early permit coordination meetings with the City and select resource agencies to establish permitting requirements and lead agencies. At a minimum, the following permits have been identified as necessary for the future construction of the proposed project and will be explored during this phase of the project:
 - DOH: new source approval.
 - Ecology: 401 Water Quality Certification, water rights approvals, NPDES Construction Stormwater Permit.
 - Washington State Department of Natural Resources: Aquatic Use Authorization.
 - WDFW: Hydraulic Project Approval.
 - US Army Corps of Engineers: Section 10 and Section 404.
 - NMFS and USFWS: ESA Section 7 Consultation.
 - Klickitat County: Shoreline Substantial Development Permit, Conditional Use Permit.
 - Washington State Department of Archaeology and Historic Preservation: cultural resources survey (Executive Order 05-05).
 - Local permits: City Building Permit, City/County floodplain permitting, County Shorelines and non-floodplain Critical Areas permits.
- Consult with City and resource agencies to develop a succinct permitting plan and schedule.

Products:

- *Itemized listing of required permits by permitting agency, detailed permitting plan and schedule (pdf format).*

Assumptions:

- *Permitting support not provided in this budget.*

Due Date:

- *March 31, 2022*

Task 8 – Preliminary Design

The Aspect team will:

- Refine design criteria and develop preliminary (30%) design for a proposed surface water intake with screen, wet well, and pump station that identifies sizing, material, and appurtenances.
- Refine design criteria and develop preliminary (30%) design for a proposed water transmission main from the White Salmon River intake structure to the proposed treatment facility and

Attachment A – Scope of Work

ultimately to the City's municipal distribution system that identifies preliminary pipe diameter, material, alignment, and appurtenances.

- Refine design criteria and develop preliminary (30%) design for a water treatment facility including pre-treatment (e.g., coagulation, settling, roughing filter), primary treatment (e.g., slow sand filtration), and disinfection (e.g., chlorination / sodium hypochlorite) with contact tank. The level of detail would include facility dimensions, basic mechanical feature identification, structural components (excluding structural engineering), identification of electrical power supply, controls, and telemetry.
- Estimate quantities and develop preliminary (30%) construction cost estimates for system components.

Products:

- *Preliminary (30%) engineering drawings (11 x 17, pdf format).*
- *Preliminary (30%) cost estimate (pdf format).*

Assumptions:

- *Preliminary design level is assumed to be supported by the budget allowed under the grant. Because this phase is dependent on the success and regulatory feedback on the previous three phases, there is uncertainty in the percent design that can be completed under this task. The goal is to achieve 30% design. Based on the earlier phases, if budget is insufficient, a reduced conceptual design (e.g. down to 10%) will be coordinated with the regulatory agencies. Alternative, the City may coordinate with funders to evaluate options to add additional budget to achieve a higher level of design.*
- *It is anticipated that preliminary engineering drawings (plan, section, and profile) developed at this level of design will include the minimal level of detail required to convey design intent and reflect improvements needed.*

Due Date:

- *November 30, 2022*

Task 9 – Preliminary Engineering Report

The Aspect team will:

- Prepare a draft preliminary engineering report. The preliminary engineering report will summarize agency regulations; design criteria; approach and methodology; raw water characteristics; treatment alternatives considered and preferred alternative selected; results from the pilot study; preliminary engineering design assumptions, calculations, construction costs, and operational considerations; project permitting; etc. The preliminary design report will be submitted to the City and resource agency staff for review and comment.
- Review comments on the preliminary engineering report and prepare preliminary responses.
- Schedule and hold a conference call with the City and resource agency staff to review comments and draft responses and obtain direction necessary to prepare the final report.
- Revise and finalize the preliminary engineering report.

Attachment A – Scope of Work

- Prepare scope and budget for next phase of work and summarize remaining data gaps.

Products:

- *Draft and final preliminary engineering report (PDF format).*

Assumptions:

- *Only minor comments from the City and resource agencies on the draft preliminary engineering report. Unless necessary to correct errors, no significant new work or rework unless additional funding is provided.*
- *Any work to address DOH comments is done during subsequent design stages.*

Due Date:

- *November 30, 2022*

Task 10 – Project Coordination

The Aspect team will:

- Manage, monitor, and coordinate the scope of services between Aspect and the City of White Salmon in an effort to produce deliverables on time and within budget.

Products:

- *Monthly status reports and invoices.*

Due Date:

- *Monthly through November 30, 2022*

Project Budget

Task Title	Aspect Labor	Aspect Expenses	Sub Cost	Task Total
Task 2 – Project Kickoff, Team and Stakeholder Meeting	\$ 6,800	\$400		\$ 7,200
Task 3 – Gather and Review Project Data, Assess Suitability of Water Quality Data	\$ 22,000	\$600		\$ 22,600
Task 4 – Analysis of Treatment Requirements and Treatment System Alternatives	\$ 24,000			\$ 24,000
Task 5 – Surface Water Treatment Pre-Design / Pilot Study	\$ 80,000		\$ 23,500	\$ 103,500
Task 6 – Preliminary Facility Siting and Conveyance Alignment Alternatives	\$ 24,500			\$ 24,500
Task 7 – Pre-Permitting and Agency Coordination	\$ 6,500			\$ 6,500
Task 8 – Preliminary Design	\$ 10,000		\$ 10,000	\$ 20,000
Task 9 – Preliminary Engineering Report	\$ 9,700		\$ 10,000	\$ 19,700
Task 10 – Project Coordination	\$ 17,000			\$ 17,000
Total	\$ 219,500	\$ 1,000	\$ 43,500	\$ 245,000