



**CITY OF CAMAS
PROFESSIONAL SERVICES AGREEMENT
Amendment No. 1**

616 NE 4th Avenue
Camas, WA 98607

Project No. P1018

UPPER LACAMAS LAKE DAM GATE REPLACEMENT

THIS AMENDMENT (“Amendment”) to Professional Services Agreement is made as of the 10TH day of February, 2023, by and between the **City of Camas**, a municipal corporation, hereinafter referred to as "the City", and **Stantec** hereinafter referred to as the "Consultant", in consideration of the mutual benefits, terms, and conditions hereinafter specified. The City and Consultant may herinafter be refered to collectively as the “Parties.”

The Parties entered into an Original Agreement dated August 1, 2022, by which Consultant provides professional services in support of the Project identified above. Except as amended herein, the Oriiginal Agreement shall remain in full force and effect.

1. Scope of Services. Consultant agrees to perform additional services as identified on **Exhibit “A”** (Amended Scope of Services) attached hereto, including the provision of all labor, materials, equipment, supplies and expenses, for an amount not-to-exceed \$88,020.

a. Unchanged from Original/Previous Contract

2. Time for Performance. Consultant shall perform all services and provide all work product required pursuant to this Amendment by:

a. Extended to June 30, 2024

b. Unchanged from Original/Previous Contract date of _____, 20__

Unless an additional extension of such time is granted in writing by the City, or the Agreement is terminated by the City in accordance with Section 18 of the Original Agreement.

3. Payment. Based on the Scope of Services and assumptions noted in **Exhibit “A”**, Consultant proposes to be compensated on a time and material basis per **Exhibit “B”** (Costs for Scope of Services) with a total estimated not to exceed fee of:

a. Previous not to exceed fee: \$85,830

b. Amendment No. 1 \$88,020

c. Total: \$173,850

d. Consultant billing rates:

Modification to Consultant Billing Rates per **Exhibit “C”** attached herein

Unchanged from Original/Previous Contract

- 4. Counterparts. Each individual executing this Agreement on behalf of the City and Consultant represents and warrants that such individual is duly authorized to execute and deliver this Agreement. This Agreement may be executed in any number of counter-parts, which counterparts shall collectively constitute the entire Agreement.

DATED this _____ day of _____, 20__.

CITY OF CAMAS:

STANTEC:

Authorized Representative

By: _____

By:  _____
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Print Name: _____

Print Name: Richard Talley

Title: _____

Title: Vice President

Date: 2/10/2023

EXHIBIT "A"
AMENDED SCOPE OF SERVICES



Exhibit “A” Scope of Services Detailed Design of Upper Lacamas Lake Dam Gates and Lower Lacamas Lake LLO Valve Replacements

Background and Key Design Features

Located east of NE Everett St and NW Lake Rd in Camas, WA is Lacamas and Round Lake. These lakes are impounded by two concrete gravity dams near the south shore, generally referred to as the Upper Dam and Lower Dam. The Upper Dam has an LLO sluice gate, four timber spillway gates, and an uncontrolled emergency spillway. The spillway gates are operated from a single drive, that has a selector lever to choose which gate operates. The Lower Dam has a single LLO valve. All are manually operated from the respective dam crests, which are currently open to the public as they are part of the trail system.

The dams fall under the jurisdiction of the Washington Department of Ecology Dam Safety Division. Stantec performed the most recent annual inspection in September of 2022. The annual inspections have developed several dam safety recommendations. One recommendation was related to the four timber spillway gates at the Upper Dam which showed signs of decay and corrosion of carbon steel hardware. It was recommended that these noted items be replaced to prolong the life of these gates.

The City of Camas requested that Stantec provide a preliminary design for total gate replacement that will ensure minimal maintenance, reduce leakage, and provide an extended service-life. Stantec completed the preliminary design and issued a report on November 9, 2022.

The preliminary design report conceptualized two alternatives and their estimated costs. Both alternatives proposed the following work:

- (1) The spillway gate rack-and-pinion system will be replaced with electric actuators, one for each spillway gate for a total of four (4). The existing base of each electric actuator will be filled with grout.
- (2) The Upper Dam LLO gate manual actuator will be demolished and replaced with an electric actuator.
- (3) The Lower Dam LLO knife gate manual actuator will be replaced with an electric actuator. The Lower Dam LLO knife gate valve and stem will be also replaced. A bracket will be added to the existing bridge to support the stem and pedestal.



- (4) Power will be provided to each site for electric actuation via a new service drop that connects to the existing overhead utility line located West of NE Everett St. The City of Camas will be responsible for coordination of the new service drop with the local utility company, Clark Public Utilities. Stantec has provided 16 hours to support this coordination such as providing technical information to the utility as requested. The service drop will be located at the south end of the Lower Dam. Clark County Utility is responsible for developing and designing the distribution from their existing line to the service drop location. From the service drop location, a feeder will be routed to a new terminal box with two (2) new circuit breakers located at the Lower Dam to split the feed for each site. The main service feed to the Upper Dam will be routed in a combination of exposed & direct buried conduit. A main 480V distribution panel will be located at each Dam to distribute power to the new electric actuators, new welding receptacles, and a new 480V – 208/120V mini-power center for convenience power. LED flood lighting will be provided at both the Upper Dam and Lower Dam for supporting maintenance activities at nighttime. In addition, the design will include a grounding system that meets NEC requirements.
- (5) Alternative 1 allows for local operation of the electric actuators.
- (6) Alternative 2 involves the work described for Alternative 1 and also includes fiber optic cables for remote actuation of the electric actuators.
- (7) The City of Camas has chosen to proceed with only replacing the four gates and manual actuators at the Upper Dam, the actuator only on the existing knife gate at the Upper Dam with a manual actuator and the knife gate and new manual actuator at the Lower Dam only. No electrical power or remote monitoring or actuation is desired at this time. The four gate, existing knife gate and the new knife gate will all be fitted with manual actuators with hand wheels. The actuators will be specified such that a motorized adaptor can be attached in the future without modifications to the actuator. The City plans to provide power and fiber optic cables to the sites in the future and at that time, the actuators will be fitted with electrical motors, limit switches and both local and remote control features.

An allowance of 12 hours (2 structural and 10 mechanical) of engineering support has been provided for Bid Support. This budget will be used for review of the Contractor bids to ensure conformity with the design as requested by the Owner. This includes attendance at a pre-bid conference.

An allowance of 86 hours (36 structural/civil and 50 mechanical) engineering and designer support has been provided for Construction Support. This budget will be used for review of the construction submittal documents and RFIs to ensure conformity with the design as requested by the Owner. This task also includes three site visits during construction (full day) plus preparation of record drawings and O&M manuals upon completion of the work.



It is assumed that:

- Mechanical submittals (3) will include gates, valves and actuators
- Civil/structural submittals (10) will include concrete mix design, grout/mortar mix designs, miscellaneous metal work, anchorages, railings, stairs, concrete repairs, coatings, pedestrian traffic management and site restoration materials.

Scope of Work

Stantec has prepared the following scope of services to accomplish the aforementioned goals and objectives and further has determined the following tasks are necessary to complete the work. Given the simplicity of the gate and valve replacement plus the City's desired goal to complete the replacement in September of 2023, the design progression will include one interim milestone (90%) prior to bid documents. The design will be delivered in multiple progress levels as stated below.

- **Task 1 - 90% Design.** Drawings, Specifications will be provided at the 90% level of design.
- **Task 2 - Final Design.** A bid ready final set of Drawings and Specifications, will be provided as a final deliverable, incorporating any residual comments received on the 90% submission. Formal comment responses will also be provided to the 90% City comments at the time of this submission.
- **Task 3 – Bid Support.** Provide assistance in review of Contractor Construction addendum questions, attending pre-bid meeting and evaluating bids received.
- **Task 4 - Construction Support.** Provide support during construction consisting of review of construction contractor submittals and providing responses to RFI's and NCR's. Attendance at preconstruction conference, one site visit during construction and a substantial completion inspection is also included along with preparation of record drawings and O&M manuals.
- **Task 5 – Project Management.** Provide management, accounting and project controls during execution of project.



Deliverables

The following will be submitted under each task mentioned above.

- **Drawings:** Stantec will submit structural and mechanical drawings for the key design features listed in the scope of services. The structural drawings will include demolition of existing spillway gates, associated hardware, and existing concrete as needed to accommodate new gates, in addition to the general layout of the new spillway gates. The mechanical drawings will include demolition of existing actuators and performance design for the replacement actuator for spillway gates, upper dam LLO gate actuator only and lower dam LLO gate and actuator. No electrical work is anticipated. The drawing list is anticipated to be as follows.

G-000 TITLE, SITE MAP AND DRAWING LIST

G-001 GENERAL NOTES

S-001 UPPER DAM SPILLWAY GATE DEMOLITION

S-002 UPPER DAM SPILLWAY GATE REPLACEMENT

M-001 UPPER DAM SPILLWAY GATE ACTUATOR LAYOUT

M-002 UPPER DAM LOW LEVEL OUTLET (LLO) GATE VALVE ELECTRIC ACTUATOR LAYOUT

M-003 LOWER DAM LOW LEVEL OUTLET (LLO) GATE VALVE ELECTRIC ACTUATOR LAYOUT

M-004 MISCELLANEOUS DETAILS

- **Specifications:** City will utilize WSDOT/APWA format specifications and will be responsible for preparing the Division 0 and 1 sections and all agreements and general conditions. Stantec will only prepare technical specifications for specialty work. The following sections will be included in the design.

Section 01 10 00 Summary of Work

Section 02 41 00 Demolition and Removal

Section 05 50 00 Miscellaneous Metalwork

Section 40 05 57 Electric and Manual Actuators

Section 40 05 59 Stainless Steel Slide Gates

- **Cost Estimates:** No further cost estimating services will be provided given the simplicity of the project and the recent (November 2022) estimate.
- **Submittal review comments and responses to RFI's and NCR's.** It is anticipated that there will be 13 submittal packages provided by the Contractor and 5 RFIs generated. Time is estimated to be 3 hours per submittal and per RFI on average.



Schedule

The following schedule is proposed for this scope of work.

Task	Schedule
Notice to Proceed	March 1 st , 2023
90% Design	March 1 st to April 7 th , 2023
Final Design	April 24 th to May 12 th , 2023
Bid Support	June 5 th to June 23 rd , 2023
Construction Support	August 7 th to November 1 st , 2023
Project Management	March 1 st to December 31 st , 2023

Assumptions and Clarifications

- Schedule is based on an assumed Notice to Proceed (NTP) on March 1st, 2023.
- Two-week (10 working days) periods have been assumed for Owner review of the 90% submittal package.
- Design of the actuators for gates and valves will be performance-based specifications and requirements.
- Site topographical surveys will not be conducted. Base mapping shall be available imagery from public source software. Plan details will need to be field verified by bidders prior to bidding and by contractor prior to purchasing equipment. This will be noted as such on the drawings.
- All drawings will be developed using AutoCAD 2021.
- Final performance design drawings will be provided in sufficient detail for a fabrication shop to design the equipment and generate shop drawings for the manufacture of the equipment.
- We have assumed that Stantec will receive a single set of collated comments/markups from the City after each submittal.
- No face-to-face meetings or site visits are included during design phases as virtual meetings will be held instead.
- Three site visits have been planned during construction. One at the preconstruction conference, one midway through construction and one at substantial completion.

EXHIBIT "B"
AMENDED COSTS FOR SCOPE OF SERVICES



Exhibit “B”
Costs for Scope of Services
Detailed Design of Upper Lacamas Lake Dam Gates and Lower
Lacamas Lake LLO Valve Replacements

Compensation for this Scope of Work will be on a time and materials basis with a not-to-exceed limit of \$88,020 utilizing the labor rate schedule shown in Table B-1 and Other Project Direct Costs also shown in Table B-1

Table B-1 Breakdown of Engineering Fees and Other Direct Charges by Task

Task	Hours	Labor Fee	ODC's	Total Fees
Task 1 – 90% Design	198	\$39,600	\$0	\$35,250
Task 2 – Final Design	60	\$12,420	\$0	\$12,420
Task 3 – Bid Support	12	\$2,500	\$3,150	\$5,650
Task 4 – Construction Support	86	\$16,850	\$5,250	\$22,100
Task 5 – Project Management	48	\$8,250	\$0	\$12,600
Total Tasks 1 through 5	404	\$79,620	\$8,400	\$88,020