

**AMENDMENT NUMBER 7****CONTRACT NUMBER 30003063****FOR****Alder Wastewater Pump Station Upgrade**

Pursuant to Ordinance Number

This Contract was made and entered by and between Brown and Caldwell, Inc., hereinafter called Consultant, and the City of Portland, a municipal corporation of the State of Oregon, by and through its duly authorized representatives, hereinafter called City.

1. Consideration section (a) is deleted and replaced with the following:
  - (a) City agrees to pay Consultant a sum not to exceed \$826,789 for accomplishment of the work. The new amount is calculated as follows:

\$357,693	(Original Contract Amount)
+ \$352,329	(Amendment 2)
+ \$31,767	(Amendment 4)
+ \$85,000	(Amendment 7)
= \$826,789	(Total Not to Exceed Amount)

2. Additional work is necessary as described in the Scope of Work as follows:

**OVERVIEW OF REVISED PROJECT SCOPE**

The Consultant shall provide engineering services during the construction to the Alder Wastewater Pump Station. Additional engineering services during the construction shall be provided as described by the tasks below:

**Task 700            Additional Engineering Services During Construction**

**TASK 701            ADD WETWELL ISOLATION GATE**

A slide gate at the influent pipe connection to the wetwell shall be added to provide the ability to isolate the wetwell from incoming wastewater. Consultant shall design the installation and the work shall be undertaken as a change order to the construction contract. The following tasks related to the design shall be completed by Consultant:

- Prepare sketches of the installation and submit to BES for review. Finalize sketches by incorporating BES review comments and suggestions.
- Prepare an estimate of the cost to furnish and install the slide gate.
- Review shop drawings and other Consultant submittals for substantial conformance with requirements of change order documents.
- Answer Requests for Information submitted by the construction contractor and relating to the isolation slide gate.
- Include changes in the record drawings.

- Task management including team coordination, subconsultant management, communication with BES PM, and invoicing.

#### **TASK 702 VALVE/METER VAULT LID CHANGES**

The top lid of the Valve/Meter Vault was originally designed with a round manhole cover to provide access into the vault. Consultant shall redesign the top of the Valve/Meter Vault with hinged aluminum access hatch and a removable treadplate to improve maintenance access into the vault. These modifications will be undertaken as a change order to the construction contract. The following tasks related to the re-design shall be completed by Consultant:

- Develop concepts for improved access, submit sketches to BES for review and approval.
- Finalize sketches by incorporating BES review comments and suggestions. Finalized sketches shall be appropriate for attachment to change order documents, hand-drawn sketches are acceptable.
- Provide structural engineering design services associated with the modified design. Provide structural calculations as necessary.
- Provide engineering support during construction such as review of submittals related to the changes, answering RFIs and questions posed by the construction contractor and/or BES.
- Inspect the final installation as part of the final inspection.
- Include changes in record drawings.
- Task management including team coordination, subconsultant management, communication with BES PM, and invoicing.

#### **TASK 703 PGE TRANSFORMER VAULT**

The electrical power design includes a new utility transformer which is to be installed in an underground concrete vault located in the northwest corner of the project site. Due to easement requirements and constructability considerations, the possibility of relocating the transformer vault into the right-of-way was investigated. Consultant shall provide technical input during the investigation. The following tasks related to this topic shall be completed by Consultant:

- Develop sketches of the alternative transformer vault location to determine the feasibility and limitations of installing the transformer vault within the right-of-way.
- Attend coordination meetings with BES staff and PGE representatives as required.
- Develop installation sketches to incorporate features required by PGE (for example, vault exhaust vents).
- Answer Requests for Information submitted by the construction contractor and relating to the transformer vault location.
- Task management including team coordination, subconsultant management, communication with BES PM, and invoicing.

#### **TASK 704 PREPARE O&M MANUAL**

An Operations and Maintenance (O&M) manual is required for the new pump station. Consultant's current scope of services for development of O&M is expanded to provide a comprehensive O&M manual that includes narrative operations guidelines for the new facility. The O&M manual will contain descriptions of individual pump station components and their function, pumping system controls, and a narrative plan for long term pump station shutdown and pump around when diversion to the Alder Shaft is not possible. The O&M manual will also contain an overview of the station and how it fits into wastewater conveyance on the east side of the Willamette River, pumping system controls, and pump station alarms.

**TASK 705 OPERATOR TRAINING**

Consultant shall team with BES engineering staff to prepare and conduct training sessions for BES pump station operations and maintenance personnel. Participate with BES engineering staff in conducting two training sessions. Develop a PowerPoint presentation outlining the unique elements of the station.

**TASK 706 SE ALDER STREET RE-PAVING**

Consultant shall develop design drawings for street improvements within SE Alder Street. These improvements include repaving to the centerline of the street and manhole adjustment. Coordinate with Portland Bureau of Transportation and attend one site meeting with PBOT Inspectors to define limits, traffic control requirements, and similar topics related to the improvements. Effort related to frontage improvements is part of this task only as far as CAD effort is concerned, engineering effort is considered part of the core engineering services within Consultant's scope of services.

3. The task breakdown in the PAYMENT SCHEDULE and allocation to SUBCONSULTANTS is revised as shown in the tables below:

Task	Task Name/Description	Current Task Budget	Amendment 7	Revised Task Budget
1.0	Predesign Services	\$167,075		\$167,075
2.0	Design Services	\$385,860		\$385,860
3.0	Bid Phase Services	\$10,399		\$10,399
4.0	Services During Construction	\$96,142		\$96,142
5.0	Project Management	\$50,546		\$50,546
6.0	PBOT Drawing Set	\$31,767		\$31,767
7.0	Additional Engineering Services During Construction			
	<b>701</b> Add Wetwell Isolation Gate	-	\$5,000	\$5,000
	<b>702</b> Modify Access into Valve/Meter Vault	-	\$15,000	\$15,000
	<b>703</b> PGE Transformer Vault Relocation	-	\$5,000	\$5,000
	<b>704</b> Prepare O&M Manual	-	\$35,000	\$35,000
	<b>705</b> Operator Training	-	\$15,000	\$15,000
	<b>706</b> SE Alder Street Re-Paving	-	\$10,000	\$10,000
<b>TOTAL CONTRACT AMOUNT</b>		<b>\$741,789</b>	<b>\$85,000</b>	<b>\$826,789</b>

The revised contract amount includes \$278,668 in subcontracting to M/W/ESB certified firms, representing a 33.7% M/W/ESB participation.

Subconsultant	Scope / Type of Work	Current Subcontract Amount	Revised Subcontract Amount
MEC Electrical Engineering	Electrical Engineering	\$122,527	\$122,527
Superelevation, Inc.	CADD	\$63,010	\$63,010
Cascade Design Professionals (Akana)	Structural Engineering	\$50,631	\$55,631
Rivero Design	CADD	\$15,000	\$37,500
<b>M/W/ESB Total Amount:</b>		<b>\$251,168</b>	<b>\$278,668</b>
<b>Current Contract Amount and Revised Contract Amount:</b>		<b>\$741,789</b>	<b>\$826,789</b>
<b>M/W/ESB Percentage:</b>		<b>33.9%</b>	<b>33.7%</b>

4. The HOURLY RATE SCHEDULE is amended to add the following Classification/Staff and Hourly Rates and shall not exceed those set forth below:

Firm	Classification/Staff	Hourly Rate Range
Brown and Caldwell, Inc.	Senior Scientist	\$150 - \$185
	Graphics Design Manager	\$120 - \$145
	Engineer I	\$90 - \$125

All other terms and conditions shall remain unchanged and in full force and effect.

CONSULTANT SIGNATURE

This Contract amendment may be signed in two (2) or more counterparts, each of which shall be deemed an original, and which, when taken together, shall constitute one and the same Contract amendment.

The parties agree the City and Consultant may conduct this transaction by electronic means, including the use of electronic signatures.

**BROWN AND CALDWELL, INC.**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**Contract Number: 30003063**

**Amendment Number: 7**

**Contract Title: Alder Wastewater Pump Station Upgrade**

**CITY OF PORTLAND SIGNATURES**

By: \_\_\_\_\_  
Chief Procurement Officer

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Elected Official

Date: \_\_\_\_\_

Approved:

By: \_\_\_\_\_  
Office of City Auditor

Date: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_  
Office of City Attorney

Date: \_\_\_\_\_