

AMENDMENT NO. 3CONTRACT NO. 37735

FOR

SOUTH AIRPORT BASIN PHASE 4 PUMP STATIONS

Pursuant to Ordinance No. \_\_\_\_\_

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

1. Additional compensation is necessary and shall not exceed \$29,890. The project task budget amounts are adjusted as indicated in Section IV Payment Schedule of this Amendment. The amended not-to-exceed total contract amount is \$127,669.
2. Additional work is necessary for the development of the project. The originally authorized and previously amended Statement of the Work and Payment Schedule is further amended as follows

**I PROJECT BACKGROUND**

Due to the relocation of easements for one pump station site, and project delays related to property negotiations and BES project management changes, structural and architectural updates to the drawings and specifications are necessary. Updates that address building code revisions are also required. Additional constructability reviews will be necessary to coordinate the work efforts of the separate structural and civil consulting firms that both report separately to BES.

**II SCOPE OF WORK****Task 1 – Project Management**

Contractor will attend two (2) additional meetings. One meeting will review comments on the geotechnical report, and the second meeting will discuss comments from the BES revised / updated design review.

**Task 2 – Structural Design Services**

Contractor will revise the drawings and specifications to conform to the updated version of the building code, six digit CSI specification format, and the 2010 version of the City of Portland Standard Construction Specifications. Contractor will revise the structural and architectural

drawings and specifications where necessary to be consistent with the revised civil and mechanical drawings and specifications. The updated documents will be resubmitted for review by BES.

Upon completion of BES reviews, Contractor will provide a written narrative and marked up set of changes for inclusion with the commercial building permit revision application. Development Services has requested the addition of narrative and markup to assist with evaluation of proposed permit revisions.

Additional tasks include the following:

- Check all references to the City of Portland 2007 Standard Construction Specifications. Update references to conform to the 2010 version where necessary.
- Check and update all drawing and specification references to the building code.
- Renumber all structural, geotechnical and architectural specifications to conform to the six digit CSI format.
- Review and revise structural and architectural drawings to be consistent with changes to the civil and mechanical drawings.
- Review and revise structural specifications where necessary to be consistent with the revised civil and mechanical specifications.
- Provide a draft set of drawings and specifications for an updated review by BES.
- Provide a written narrative and additional marked up copy of the 90% structural and architectural drawings that shows changes that have been incorporated since the original building permit application.
- Provide a second set of responses to the updated review by BES.

#### **Items to be delivered by Contractor**

Design deliverables will be as follows:

1. One, draft (updated 90%) revised structural and architectural plans and related specifications.
2. One, draft (updated 90%) revised structural and architectural plan set and related specifications with changes marked.
3. Written narrative of changes to structural and architectural drawings

#### **Task 3 – Geotechnical Services**

Services will include geotechnical input into the specifications and

attendance at two (2) additional meetings. One (1) meeting will address comments from the updated 90% design review. One (1) meeting will review the updated geotechnical report recommendations.

Finalization of geotechnical reports has been addressed by a previous contract amendment.

Anticipated tasks include the following:

- Respond to BES comments and update specifications relevant to geotechnical work. These specifications include, but are not limited to, caissons, secant piles and excavation support.
- Attend one (1) design review meeting following submittal of revised drawings and specifications.
- Attend one (1) review meeting on the geotechnical reports.

#### **Items to be delivered by Contractor**

Design deliverables will be as follows:

1. Written responses to design review comments relevant to geotechnical specifications.

#### **Task 4 – Services During Construction**

Contractor will subcontract with GPI/Greenman-Pedersen, Inc. to provide holiday (high voltage spark) testing and adhesion tests for the wet well coating at both pump station sites.

Additional tasks include the following:

- One-day travel from Olympia, WA to Portland and return.
- Provide high voltage spark tester.
- Holiday test (high voltage spark test) the coating system at 100 volts per mil of specified nominal thickness at a travel speed of approximately 1 foot per second using a wire brush.
- Perform the holiday test in accordance with ASTM D 4787 for Concrete.
- Perform adhesion test on relatively flat concrete surfaces using DeFelsko hydraulic adhesion tester with calibration papers. Test to be performed in accordance with ASTM D 7234.
- Take digital photos and include with captions in the report.
- Current NACE Certified Coating Inspector to perform the testing with confined space training (all training and certifications appropriate for City of Portland, Oregon).
- Provide personal safety equipment (harness, safety glasses, etc) for confined space entry in accordance with applicable codes and regulations. It may be necessary for GPI personnel to hang by

harness from GPI's tripod/retrieval cable during testing to reach all surfaces up close.

**Assumptions:**

- Testing procedures will be the same as that which GPI/Greenman-Pedersen has completed on many of BES' wet wells from previous projects.
- Adhesion values obtained per ASTM D 7234 will be reported numerically without any comment as to pass or fail.
- The following equipment or activities are being provided by others:
  - A heater and/or ventilation of the pump station wet well, as needed for entry and to dry the walls.
  - Fall protection and retrieval equipment. Confined space air monitor.
  - Qualified Observer for confined space entry.
  - Plugs to stop flow into the pump station.
  - Removal and reinstallation of the submersible pumps.
  - If any precipitation, then the wet well must be covered prior to and during testing.
  - The coating will be cleaned sufficiently for spark testing. This may involve some water washing as the Raven 405 coating can leave an amine blush on the surface which is electrically conductive. If BES believes the amine blush is present the water washing must be done at least a day prior to testing to allow time for the surface to dry out sufficiently for spark testing.
  - Lighting in the wet well if required.
  - The City of Portland will provide the specified coating thickness prior to performing the holiday test (spark test) to allow setting the proper high voltage on the test instrument.

**Items to be delivered by Contractor**

Design deliverables will be as follows:

1. Provide a complete report within 14 calendar days after completion of the on-site testing

#### IV PAYMENT SCHEDULE – Project Task Budget Adjustments

TASK	DESCRIPTION	Current Task Budget Amounts (includes Amendments 1 & 2)	Amendment No. 3 Amounts	Adjusted Task Budget Amounts
1.0	Project Management	\$ 5,150	\$ 1,780	\$ 6,930
2.0	Structural Design Services	\$ 49,921	\$ 16,270	\$ 66,191
3.0	Geotechnical Services	\$ 36,000	\$ 7,000	\$ 43,000
4.0	Services during Construction	\$ 6,708	\$ 4,840	\$ 11,548
<b>Total Contract Amounts</b>		<b>\$ 97,779</b>	<b>\$ 29,890</b>	<b>\$ 127,669</b>

Summary of the Originally Authorized Contract amount, and Approved and Proposed Amendments		Percentage of the original Authorized Contract Amount
Original Contract No. 37735	\$ 28,086	100%
Amendment No. 1, authorized by Ordinance No. 183102, passed by Council September 16, 2009.	\$ 19,788	70.46%
Amendment No. 2, authorized by Ordinance No. 184151, passed by Council November 10, 2010.	\$ 49,905	177.69%
Proposed Amendment No. 3	\$ 29,890	106.42%
<b>Total Amount of Approved and Proposed Contract Amendments</b>	<b>\$ 127,669</b>	<b>454.56%</b>

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

Contract No. 37735 Amendment/Change Order No. 3


Contract Title: SOUTH AIRPORT BASIN PHASE IV PUMP STATIONS

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 Contractor may conduct this transaction by electronic means, including the use of electronic signatures.

**CONTRACTOR SIGNATURE:**

KPFF

By:  Date: 11/2/11

Name: CURTIS C. VANDERZANDEN

Title: PRINCIPAL

Address: 111 SW 5TH AVE., SUITE 2500, PORTLAND, OR 97204

Telephone: (503) 227-3251

Contract No. 37735 Amendment/Change Order No. 3

Contract Title: SOUTH AIRPORT BASIN PHASE IV PUMP STATIONS

**CITY OF PORTLAND SIGNATURES:**

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Purchasing Agent

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

Approved:

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

**APPROVED AS TO FORM**

Approved as to Form:

By: *Linda Meng* Date: 12/14/2011  
Office of City Attorney **CITY ATTORNEY**