

**FINANCIAL IMPACT STATEMENT**  
**For Council Action Items**  
**(Use this form for Ordinances and Resolutions)**  
(Deliver original to Financial Planning Division. Retain copy.)

|   |   |  |
|---|---|--|
| 1. Name of Initiator<br>Scott Gibson    | 2. Telephone Number<br>503-823-7615   | 3. Bureau/Office/Dept.<br>Environmental Services |
| 4a. To be filed (date)<br>March 2, 2011 | 4b. Calendar (Check One)<br>Regular Consent 4/5ths<br>[ X ]            [ ]            [ ] | 5. Date Submitted to FPD<br>Budget Analyst:      |

**1) Legislation Title:**

\*Amend contract with Brown and Caldwell for additional work and compensation for the Fanno Basin Pump Station Force Main Project No. E08294 (Ordinance, Amend Contract No. 37106)

**2) Purpose of the Proposed Legislation:**

To authorize the Commissioner of Public Affairs to execute amendment 7 to contract 37106 with Brown and Caldwell for the purpose described in Section 1 of the proposed Ordinance, in the amount of \$104,500.

**3) Revenue:**

**Will this legislation generate or reduce current or future revenue coming to the City? If so, by how much? If new revenue is generated identify the source.**

No.

**4) Expense:**

**What are the costs to the City as a result of this legislation? Include costs in the current fiscal year as well as costs in future years. If the action is related to a grant or contract include the local contribution or match required.**

The estimated cost of this contract amendment is \$104,500. Funds are available in the Sewer System Operating Fund, FY 2011 Budget, Bureau of Environmental Services, Projects E08294, and E09051. The level of confidence in the negotiated cost for the proposed amendment 7 to contract No. 37106 with Brown and Caldwell is high.

**5) Staffing Requirements:**

**a) Will any positions be created, eliminated or re-classified in the current year as a result of this legislation? If new positions are created include whether they will be part-time, full-time, limited term or permanent positions. If the position is limited term, indicate the end of the term.**

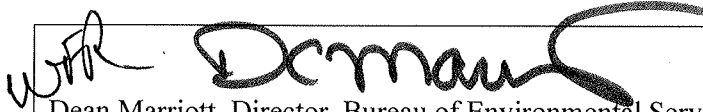
No.

**b) Will positions be created or eliminated in future years as a result of this legislation?**

No.

6) **Change in Appropriations:** Budget changes for the current year must go through the BMP Process. This section may only be use with prior permission of your OMF analyst for exceptions. Reflect the dollar amount to be appropriated by this legislation. Include the appropriate center codes and accounts to be used by Central Accounting. Indicate "new" in Center Code column if new center needs to be created. Use additional space if needed.

| Fund | Center Code | Account | Amount | Project Fund | Project No. |
|------|-------------|---------|--------|--------------|-------------|
|      |             |         |        |              |             |
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Dean Marriott, Director, Bureau of Environmental Services  
APPROPRIATION UNIT HEAD (Typed name and signature)



# CITY OF PORTLAND ENVIRONMENTAL SERVICES



1120 SW Fifth Avenue, Room 1000, Portland, Oregon 97204 ■ Dan Saltzman, Commissioner ■ Dean Marriott, Director

City Council  
Agenda Item  
Staff Supplemental Report

184446

TO: Commissioner Dan Saltzman  
THROUGH: Matt Grumm or Amy Trieu  
FROM: Scott Gibson, Principal Engineer BES Design Services Division *Scott*  
DATE: January 26, 2011 *Wick*  
RE: Authorization to amend contract No. 37106 with Brown and Caldwell for additional work and compensation for the Fanno Basin System Improvement Projects No. E08294, and E09051 (Ordinance, Amend Contract No. 37106)

Requested Council Hearing Date: March 2, 2011

## I. RECOMMENDATION

Amend contract No. 37106 with Brown and Caldwell (B&C) for additional work and compensation for the Fanno Basin System Improvement Projects No. E08294 FABA Pump Station FM: Multnomah; and E09051 FABA Pump Station Expansion. (Ordinance, Amend Contract No. 37106)

The recommended amendment 7 will be our final contract amendment and will provide for the collection of geotechnical data, and the completion of required site investigations by B&C for the Fanno Basin PS Expansion and Surge Protection project. BES will proceed with a new RFP solicitation for final design services, bid assistance and services during construction of the project. This amendment allows the Bureau to maintain schedule and complete work necessary to stabilize the emergency situation while conducting a new competitive solicitation to complete the project.

## II. BACKGROUND

The Fanno Basin (FABA) pump station located at 6895 SW 86<sup>th</sup> Ave. was commissioned in May 2000, and replaced five older wastewater pump stations in the Fanno Basin. The station receives flow from the Fanno Interceptor sewer and as originally constructed conveyed wastewater through an approximately 16,700-foot long, nominal 30-inch diameter pressure line to a discharge structure located at SW 31<sup>st</sup> Ave. & SW Multnomah Blvd. where the flow entered the City of Portland's sewer system to be delivered to the Columbia Boulevard Wastewater Treatment Plant (CBWTP).

Detailed flow studies and basin modeling have been conducted by the BES Systems Analysis section in recent years. The flow modeling effort concluded that the firm pumping capacity of the FABA PS and pressure main system needs to be increased from the current rating of approximately 24-cubic feet per second (cfs) up to approximately 40-45-cfs.

## II BACKGROUND (Continued)

BES has established a Primary Project E09045 FANNO BASIN SYSTEM IMPROVEMENTS to manage and track the secondary projects that are needed to address known deficiencies in the FABA pump station and pressure line system. B&C is the Engineer of Record for five of the secondary projects under Contract No. 37106:

- Project E08294 FABA Pump Station Force Main, Multnomah Section: The planning, design, and construction of the replacement of the Multnomah Section of the Fanno Basin pump station pressure main with twin 30-inch ductile iron pressure lines in order to provide the needed additional 16-21-cfs flow capacity and to achieve a minimum 50-year service life for the force main.
- Project E09115 FABA Pump Station Force Main, Garden Home Section: The Garden Home section of the pressure main has experienced multiple leaks related to joint failures, and project E09115 is currently in construction to replace the existing single pressure line with twin 30-inch welded steel pressure lines. (CH2M Hill is the Engineer of Record for this project)
- Project E09050 FABA Surge Tank Facility will provide long term reliability and protect the new parallel pressure lines, valves and pumping equipment from damage due to pressure transient conditions in the force main system during normal operations, and during power failure events. We anticipate that this project will be merged with E0901 FABA PS Expansion with all proposed facilities to be included in a single set of contract documents.
- Project E09051 FABA Pump Station Expansion will add the additional 16-21-cfs pumping capacity at the FABA PS system that flow monitoring and system modeling demonstrate is needed to capture and convey peak influent flows from the Fanno Interceptor during a 5-year storm event in the basin.
- Project E09052 Burlingame Trunk Sewer Improvements will provide additional flow capacity in the existing Burlingame trunk sewer that receives flow from the FABA PS pressure lines. A portion of the 30-inch Burlingame trunk sewer system in SW Multnomah Blvd will be replaced with 48-inch pipe, and an additional reach will be lined with a cast in place pipe (CIPP) liner system to the east side of I-5 to adequately convey the projected peak flows.
- Project E09168 Multnomah Stormwater Improvements is required to design and build or improve twelve storm water management facilities along the alignment of the Multnomah Section of the FABA pressure line. This work is being coordinated with planned Bureau of Transportation improvements on SW Multnomah Blvd.

The purpose of this contract amendment is to authorize additional work and compensation as follows:

E08294      FABA PS FM: Multnomah

Task 7.0      B&C will provide additional professional services during the completion of the construction of the Multnomah Section pressure line replacement project through project closeout.

II BACKGROUND (Continued)  
E09051 FAB A Pump Station Expansion

- Task 1.0 B&C will continue to manage and direct the consultant team as required during the geotechnical investigation, and environmental assessments of the proposed new site for the FAB A PS Expansion and Surge Protection project.
- Task 2.0 Additional geotechnical data is required to support the relocation of the proposed surge tanks and pump station expansion to a new site. Two borings will be taken at the new site, the soils will be analyzed, and a geotechnical investigation report will be prepared.
- Task 7.0 Provide additional professional services to update and revise a required wetland delineation, and a natural resource assessment (NRA) for the selected project site.

III. FINANCIAL IMPACT

The estimated cost of this contract amendment is \$104,500. Funds are available in the Sewer System Operating Fund, FY 2011 Budget, Bureau of Environmental Services, Projects E08294, and E09051. The level of confidence in the negotiated cost for the proposed amendment 6 to contract No. 37106 with Brown and Caldwell is high.

IV. LEGAL ISSUES

No legal issues have been identified with regard to the proposed contract amendment 7.

V. CONTROVERSIAL ISSUES

There is organized neighborhood opposition to the planned FAB A pump station expansion projects, and Washington Co. has received correspondence from many of the property owners in the neighborhood regarding the planned projects. Extensive public outreach efforts have been expended to communication with the various neighborhood and business associations, and the local citizens regarding the need to undertake these projects.

VI. LINK TO CURRENT CITY POLICIES

The project is consistent with BES strategic planning and the BES CIP process. Construction will be performed in accordance with the City of Portland Standard Construction Specifications.

VII. CITIZEN PARTICIPATION

Public outreach for this project has been conducted by the BES Director's Office. Numerous information flyers have been distributed to the community, and the project manager and public information office have been, and continue to attend neighborhood association meetings to brief the public on the project status and respond to questions.

There was also significant citizen participation during the LU hearing held in Washington County on May 3, 2010. The people who live in the neighborhood testified in opposition to the proposed projects.

VIII. OTHER GOVERNMENT PARTICIPATION

No other government agencies are involved with the proposed contract amendment.

## IX. FINANCIAL IMPACT ON LOCAL ECONOMY

IF APPLICABLE, PROVIDE INFORMATION ON ESTIMATED NUMBER OF JOBS CREATED BY THIS ACTION

**This action will support 1 high paying job in engineering, architecture, and associated industries.**

IF THIS ACTION IS CONTRACT-RELATED, PROVIDE INFORMATION ON M/W/ESB PARTICIPATION (NUMBER AND PERCENTAGE)

**M/W/ESB participation after the authorization of this contract amendment will be \$1,242,295, which is 33.0% of the total amended contract amount of \$3,769,750.**

X. IF THIS IS A CONTRACT, DOES CONTRACTOR HAVE A CURRENT BUSINESS LICENSE? Yes

WHAT IS THEIR BUSINESS LICENSE NUMBER? 373682

IS THEIR ACCOUNT WITH THE CITY CURRENT? Yes

IF NOT, HOW MUCH IS OWING? N/A