

Information to be included in all Legislation Modifying a Contract:

1. **The names, contract compliance no. & expiration date, location by City/State and status of all companies (NPO, MAJ, MBE, FBE, HL1, AS1, or MBR) submitting a competitive bid or submitting an RFP or RFSO.**

<u>Name</u>	<u>C.C. No./Exp. Date</u>	<u>City/State</u>	<u>Status</u>
A. Brown and Caldwell	94-1446346 – 08/26/2017	Columbus, OH	MAJ
B. URS	34-0939859 – 07/02/2015	Columbus, OH	MAJ

2. **What type of bidding process was used (ITB, RFP, RFSO, Competitive Bid).**

RFP

3. **List the ranking and order of all bidders.**

Ranking:

- 1) Brown and Caldwell
- 2) URS

4. **Complete address, contact name and phone number for the successful bidder only.**

Address: Brown and Caldwell
4700 Lakehurst Court
Suite 100
Columbus, Ohio 43016

Contact: David Nitz, Project Manager
Phone: 614.410.3074
E-Mail: dnitz@brwncald.com

5. **A full description of all work to be performed including a full description of work to be performed during any known phasing of the contract.**

This project is one of three projects to provide Chemically Enhanced Primary Treatment (CEPT) at the Southerly Wastewater Treatment Plant (SWWTP), as approved by the Ohio EPA. The CEPT facilities will provide additional plant capacity to treat wet weather flows in excess of 330 million gallons per day (MGD).

This project, known as SWWTP CEPT - Preliminary Treatment (PT), will focus on upgrades and modifications to the headworks facility, solids handling facilities, and plant control system. This is a contract for professional engineering (Design Professional or “DP”) services and Services During Construction. The initial phase of this contract (Original Agreement) provided Step 1, Preliminary Design Services, for the SWWTP CEPT - PT. During preliminary design, the number and type of raw sewage pumps, fine screens, and gravity thickeners that should be added and/or replaced was determined. Also, the extent of structural renovations, the number of anti-siphon valves, variable frequency drives, and gates that should be added and/or replaced, and the extent of HVAC improvements was determined.

The next phase of this engineering contract (Modification No. 1) provided Step 2, Detailed Design and Bidding Services. This contract modification provided funding to develop detailed construction contract documents to define the construction work. Construction contract documents consisted of drawings, specifications, and bidding documents based upon the City's standards and preferences. Detailed design also included flushing water design improvements, SCADA upgrades, a power quality analysis, and a Reliability-Centered Maintenance analysis. Detailed design services started in 2015 when the preliminary design phase was completed. Bidding services followed detailed design and occurred during advertisement, bid opening, and the construction contract execution phase of the project.

This phase of the engineering contract (Modification No. 2) will provide Step 3, Engineering Services During Construction, when the proposed CEPT improvements are being constructed. This phase of the engineering contract will provide funding for the following construction-phase engineering tasks: Technical Project Representative duties, start-up and commissioning assistance, record documentation preparation, M&O instructions, training services, standard operating procedures, hazardous materials compliance, and a power systems study. Construction Management services will be performed by others.

6. A narrative timeline for the contract including a beginning date, beginning and ending dates for known phases of the contract and a projected ending date.

The DP began Step 1, Preliminary Design Services, after notice to proceed (NTP) was given for the Original Agreement on July 23, 2014. Preliminary design was completed in August, 2015. Step 2, Detailed Design and Bidding Services, commenced on 12/4/15 after NTP was given for Modification No. 1. Detailed design was completed in March, 2017 and Bidding Services are estimated to be completed in July, 2017. At the conclusion of Bidding Services, the CEPT-PT construction contract and Step 3, Engineering Services During Construction (Modification No. 2), will be given NTP. It is estimated that the construction contract will be awarded in July, 2017.

The overall contract duration, from initiation of Preliminary Design Services to completion of Services During Construction, is estimated to be 78 months. Brown and Caldwell's services will continue beyond completion of construction to provide "as-built" record drawings of the constructed facilities.

7. A narrative discussing the economic impact or economic advantages of the project; community outreach or input in the development of the project; and any environmental factors or advantages of the project.

This project will capture and treat wet weather flows in excess of the current plant capacity. Without this improvement, these wastewater flows would be conveyed untreated to the river. The addition of this treatment process will remove solids and disinfect the wastewater which will provide protection of and benefit to the receiving waters.

Public informational meetings are not anticipated for this project. All proposed work should be within the boundaries of the wastewater treatment facility. Regulatory agencies will be notified of the proposed work as appropriate.

8. A description of any and all modifications to date including the amounts of each modification and the Contract Number associated with any modification to date. (List each modification separately.)

The Original Agreement was entered into for an amount of \$1,583,073.00. That amount was sufficient to complete Step 1, Preliminary Design Services. The amount of Modification No. 1 for Step 2, Detailed Design and Bidding Services was \$3,648,350.00. The amount of this modification (Modification No. 2) for Step 3, Engineering Services During Construction is \$3,668,016.00. The following is the costs for this contract:

Original Contract (Step 1: Preliminary Design Services)	\$ 1,583,073.00
Modification No. 1 (Step 2: Detailed Design & Bidding Services)	\$ 3,648,350.00
Modification No. 2 (Step 3: Engineering Services During Construction)	\$ 3,668,016.00
CURRENT TOTAL	\$ 8,899,439.00

This Contract Modification (Modification No. 2) for Step 3, Services During Construction was planned and anticipated and the final amount was negotiated between B&C and DOSD, but the final amount is more than was estimated when the original contract was executed. At the inception of the project, it was necessary to estimate costs for future modifications. Those estimates were based upon a percentage of the estimated construction costs at that time, but it was difficult to determine and define all of the items that needed to be considered during design; therefore, the increase from the original estimated fees for the modifications is due to an increase in estimated construction costs and due to items that were determined during design that will improve the overall implementation and effectiveness of the project, but will also require additional effort during Step 3.

9. A full description of the work to be performed as part of the proposed contract modification. (Indicating the work to be a logical extension of the contract is not sufficient explanation.)

This proposed contract modification (Modification No. 2) will provide funding for Step 3, Engineering Services During Construction. During this phase, the engineering contract will provide funding for construction-phase engineering tasks including Technical Project Representative duties (including project management and coordination, attendance at project meetings, interpretations and clarifications of project documents, submittal and shop drawing reviews, generation of request for proposals and change orders, site visits, and inspections), start-up and commissioning assistance (including SCADA configuration and programming), record documentation preparation, M&O instructions, training services (including overall systems training and generation of on-line equipment training modules), generating new standard operating procedures (SOPs) and revision of existing SOPs, hazardous materials compliance verification, and generating a power systems study.

10. If the contract modification was not anticipated and explained in the original contract legislation, a full explanation as to the reasons the work could not have been anticipated is required. (Changed or field conditions is not sufficient explanation. Describe in full the changed conditions that require modification of the contract scope and amount.)

This contract modification (Modification No. 2) for Step 3, Engineering Services During Construction, was planned and anticipated and the final amount was negotiated between B&C and DOSD.

11. An explanation of why the work to be performed as part of the contract modification cannot be bid out. (Indicating the work to be a logical extension of the contract is not sufficient explanation.)

In so much as the majority of the work included in this modification was planned for and anticipated within the original procurement, due to the highly complex and technical nature

of this wastewater treatment plant infrastructure, it is not reasonable or cost efficient to undertake a new procurement effort to acquire independent engineering services. The lengthy process for initiating a new procurement and for a new entity to gain understanding of the project would likely cause an unacceptable project delay and additional cost.

12. A cost summary to include the original contract amount, the cost of each modification to date (list each modification separately), the cost of the modification being requested in the legislation, the estimated cost of any future known modifications and a total estimate of the contract cost.

The original engineering agreement for Step 1, Preliminary Design Services, was \$1,583,073.00. Modification No. 1 for Step 2, Detailed Design Services and Bidding Services, was for an amount of \$3,648,350.00. This modification (Modification No. 2) for Step 3, Engineering Services During Construction, is for an amount of \$3,668,016.00.

The following is the costs for the contract:

Original Contract (Step 1: Preliminary Design Services)	\$1,583,073.00
Modification No. 1 (Step 2: Detailed Design & Bidding Services)	\$3,648,350.00
<u>Modification No. 2 (Step 3: Engineering Services During Construction)</u>	<u>\$3,668,016.00</u>
CURRENT TOTAL	\$8,899,439.00

If unforeseen issues or difficulties are encountered that would require additional funding, a modification would be requested.

13. An explanation of how the cost of the modification was determined.

A cost proposal was provided by Brown & Caldwell and reviewed by the Division of Sewerage and Drainage and was deemed acceptable.

14. Sub-Consultants identified to work on this contract, their contract compliance no. & expiration date, and their status (NPO, MAJ, MBE, FBE, HL1, AS1, or MBR):

<u>Name</u>	<u>C.C. No./Exp. Date</u>	<u>Status</u>
Please see the attached Subcontractor Work Identification Forms.		

15. Scope of work for each subcontractor and their estimate of dollar value to be paid.

Please see the attached Subcontractor Work Identification Forms.