

Dublin Road Water Plant Treatment Capacity Increase – MOD #8
CIP 690428-100001, CT No. 1009

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 passcompetitive bid or submitting an RFP or RFSQ.**

<u>Name</u>	<u>C.C. No./Exp. Date</u>	<u>DAX #</u>	<u>City/State</u>	<u>Status</u>
CH2M HILL Engineers	32-0100027 – 10/15/20	6247	Columbus, OH	MAJ
ARCADIS US, Inc. (fka Malcolm Pirnie)	57-0373224 – 5/18/19	9409	Columbus, OH	MAJ

Note: Both firms had MBE/FBE participation proposed for their project teams.

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

Requests for Proposals (RFPs) were opened on March 12, 2010.

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

CH2M Hill Engineers, Inc. - 1st
Arcadis US, Inc. (fka Malcolm Pirnie, Inc.) - 2nd

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

CH2M HILL Engineers, Inc.
Two Easton Oval, Suite 500, Columbus, OH 43219
Mark Pochodylo – Client Service Manager, Ph. (614) 888-3100, Mark.Pochodylo@ch2m.com

5. **A description of work performed to date as part of the contract and a full description of work to be performed during any future phasing of the contract. The planning area should also be listed as well as any street or neighborhood names.**

Work to be performed in this contract is professional engineering services for the Dublin Road Water Plant (DRWP), Treatment Capacity Increase Detailed Design, Project No. 690428-100001. The professional engineering services will be completed in multiple phases:

- 1) Preliminary Design
- 2) Detailed Design
- 3) Services During Construction

WORK TO DATE:

Preliminary Design: Work under this phase included assisting in the alternatives analysis of various treatment layout options; including the evaluation of granular activated carbon in the existing filters, post filter contactors and ozone coupled with biologically active filters. Elements of this phase of work have included various meetings and workshops; value engineering; survey and mapping of the project site; geotechnical investigations; preliminary design drawings; and a Preliminary Design Report (PDR). This work was completed under the previously executed contract EL010879, Ord. No. 0938-2010.

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Detailed Design: Work under this phase included the preparation of Detailed Construction Contract Documents in accordance with the approved Preliminary Design Report (PDR). Construction Contract Document has included Construction Costs Estimate, Detailed Engineering Drawings, Specifications, and Bidding Documents. This work was initiated under the previously executed contract EL012300, Ord. No. 1925-2011.

Services During Construction: Work under this phase includes performing site visits to determine if work is proceeding in accordance with the contract documents, submittal review, responding to Contractor's request for information and preparation of record drawings, etc. This work was initiated under the previously executed contract modification EL014484, Ord. No. 1059-2013, contract modification EL015254, Ord. No. 2644-2013, contract modification EL017039, Ord. No. 0360-2015, contract modification PO003210, Ord. No. 0011-2016, contract modification PO024172-1, Ord. No. 1697-2016 and contract modification PO001936, Ord. No. 1693-2017.

WORK TO BE PERFORMED UNDER THIS MODIFICATION

Services During Construction: This modification provides funding to continue Services During Construction, including performing site visits to determine if work is proceeding in accordance with the contract documents, submittal review, responding to Contractor's request for information and preparation of record drawings, etc. This modification is anticipated to fund these services through 3rd quarter 2019.

WORK TO BE PERFORMED IN FUTURE MODIFICATION

No additional modifications are anticipated at this time.

PLANNING AREA: "99 – N/A" - There is no single planning area associated with this project because the DRWP serves multiple planning areas.

6. An updated contract timeline to contract completion.

Phase 1: (Preliminary Engineering) began November 1, 2010 and ended December 31, 2011

Phase 2: (Detailed Design) began January 1, 2011 and ended December 31, 2014

Phase 3: (Services During Construction) are scheduled to end 3rd quarter 2019

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 is necessary to meet anticipated demand projections for the Dublin Road Water Plant service area and to comply with impending regulations associated with the Stage 2 Disinfection Byproduct Rule. The project will also address compliance with drinking water nitrate regulations. Providing an adequate and safe supply of drinking water is essential to economic growth and development.

The proposed capacity increase of plant production was recommended by the Water Beyond 2000 Phase III report. This was confirmed by the Comprehensive Water Master Plan. Both of these studies included a public input and outreach component.

The project will evaluate the most cost effective and efficient methods to operate and maintain the Dublin Road Water Plant.

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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 first contract modification provided for Detailed Design Services (EL012300, Ord. No. 1925-2011, \$13,300,000)

The second contract modification provided a continuation of Detailed Design Services and initial Engineering Services During Construction (EL014484, Ord. No. 1059-2013, \$8,000,000)

The third contract modification provided a continuation of Detailed Design Services and Engineering Services During Construction (EL015254, Ord. No. 2644-2013, \$8,000,000)

The fourth contract modification provided a continuation of Engineering Services During Construction (EL017039, Ord. No. 0360-2015, \$2,000,000)

The fifth contract modification provided a continuation of Engineering Services During Construction (PO003210, Ord. No. 0011-2016, \$3,000,000)

The sixth contract modification provided a continuation of Engineering Services During Construction (PO024172-1, Ord. No. 1697-2016, \$1,800,000)

The seventh contract modification provided a continuation of Engineering Services During Construction (PO001936, Ord. No. 1693-2017, \$3,400,000)

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.)**

Work to be performed under this modification includes continuing engineering services during construction for Part 4, including performing site visits to determine if work is proceeding in accordance with the contract documents, responding to Contractor's request for information and preparation of record drawings, etc.

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 is an unanticipated contract modification due to the extended construction schedule. The construction schedule had to be extended to resolve issues with the ion exchange equipment. These issues could not have been anticipated since they were due to manufacturing defects and were not identified until the system was being installed and/or became operational. Time was required to trouble shoot and repair the defects, which extended the construction duration beyond the anticipated duration.

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.)

The current consultant is familiar with the project and has completed all the work to date on the current design path. Bidding the work to another consultant will delay the project and will result in higher costs due to bringing the new consultant up to speed on the project and put the City at high risk of not meeting anticipated future water quality regulation deadlines.

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.

CONTRACT AMOUNT:

Preliminary Design	\$10,432,936.00 (EL 010879)
Detailed Design	\$13,300,000.00 (Mod No. 1 Request) EL012300
Initial Services During Construction	\$ 8,000,000.00 (Mod No. 2 Request) EL014484
Final Design/Construction Services	\$ 8,000,000.00 (Mod No. 3 Request) EL015254
Services During Construction	\$ 2,000,000.00 (Mod No. 4 Request) EL017039
Services During Construction	\$ 3,000,000.00 (Mod No. 5 Request) PO003210
Services During Construction	\$ 1,800,000.00 (Mod No. 6 Request) PO024172
Services During Construction	\$ 3,400,000.00 (Mod No. 7 Request) PO001936
Services During Construction	<u>\$ 298,000.00</u> (Current Mod Request)

Contract Total **\$50,230,936.00**

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

The Consultant prepared an estimate based on the scope of work for the remainder of services during construction. City Project Manager and associated staff reviewed and approved these cost summaries.