

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>
ARCADIS U.S., Inc.	57-0373224 - 05/14/17	Columbus, OH	MAJ
Dynamix Engineering, Ltd.	31-1536631 – 9/12/16	Columbus, OH	MBE
GPD Group	34-1134715 – 5/28/17	Columbus, OH	MAJ
Varo Engineers, Inc.	31-0722508 – 1/22/17	Dublin, OH	MBE

2. **What type of bidding process was used (ITB, RFP, RFSO, Competitive Bid).**
Requests for Proposals (RFP's) were opened on 2/28/14.

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

1. ARCADIS U.S., Inc.
2. GPD Group
3. Dynamix Engineering, Ltd.
4. Varo Engineers, Inc.

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

ARCADIS U.S., Inc.,
100 E. Campus View Blvd., Suite 200
Columbus, OH 43235
Jim Hays, PE, BCEE, (614) 985-9204, jim.hays@ARCADIS-us.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 original contract (Phase I) provided Professional Design Services for the Hap Cremean Water Plant and the Dublin Road Water Plant Standby Power projects. These projects will provide standby power generators to allow the plants continued operation during a utility power outage.

Modification No. 1 (current) will provide Detailed Design (Phase II) and Bidding Services (Phase III). Detailed Design will include preparation of construction contract documents, plan and specification review meetings, assisting in negotiations, permitting, and other matters with U.S. EPA, Ohio EPA, and other government agencies, site surveying, geotechnical investigation, Reliability-Centered Maintenance Analysis, construction cost estimating, scheduling, and other design related services.

Bidding Services will include secure bidding services, assisting at the Pre-Bid Conference and bid opening, tabulating bids, making an award recommendation for lowest and best bid, and preparing Conformed to Contract documents.

It is anticipated that a future modification (Phase IV) will be requested for Engineering Services During Construction (SDC). SDC will include technical project representation (TPR) duties to interpret contract requirements and to verify the construction contractor's

compliance with the project's technical requirements, construction phase engineering, start-up and commissioning assistance, record documentation, Operation and Maintenance documentation, on-site resident project representation, programming services, staff training, troubleshooting, and development of Standard Operating Procedures (SOPs).

Construction Management, Field Project Representation (FPR), and Materials Testing and Evaluation Services will be performed by others.

The Community Planning Areas for both projects is "N/A" as the water treatment plants provide service to several communities.

6. An updated contract timeline to contract completion.

A. Total term of the engineering agreement: approximately 3-1/2 years.

B. Estimated ending month and year of the agreement based on the total term: March 2019

See additional information below:

Preliminary Design was expected to last five months but was completed in approximately nine months. The reason was due to the Division of Water's desire to re-confirm the type of fuel that would be used, to seek alternate locations for the standby generators at the Dublin Road Water Plant, and to ensure the management of the onsite fuel was documented.

Detailed Design (Phase II) is estimated to last approximately 11 months then Bidding Services (Phase III) will commence immediately thereafter.

Engineering Services During Construction (SDC) (Phase IV) is expected to commence the first quarter of 2017 and last approximately two years, ending the first quarter of 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 will provide the residents of the City of Columbus and a large part of Franklin County with a reliable supply of clean water for customer potable water uses and for the City's fire protection purposes during a regional area-wide power outage. This project benefits the economy by providing uninterrupted water service and fire protection during a power outage.

Public informational meetings are not anticipated for this project, because all proposed work is anticipated to occur within the boundaries of the water plants. 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.)

This is the first modification to the contract and was fully explained in the original legislation under Ordinance No. 1839-2014.

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.)**
See item No. 5.

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 modification was anticipated and fully explained in the original legislation under Ordinance No. 1839-2014.

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 work included in this modification was planned and fully anticipated and explained under Ordinance No. 1839-2014. Due to the highly complex and technical nature of this water treatment plant infrastructure, it is not reasonable or cost effective to undertake a new procurement to acquire these 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 following is an estimate of the total costs for the contract:

HCWP (690519-000000)

Original Contract (Phase I-Preliminary Design)	\$130,041.50
Modification No. 1 (Phase II-Detailed Design and Phase III-Bidding Services)	\$1,034,450.00
Estimated Future Modification (Phase IV-Engineering Services During Construction) (Budgeted 2016)	\$1,050,000.00
CURRENT PROPOSED TOTAL	\$2,214,491.50

DRWP (690520-000000)

Original Contract (Phase I-Preliminary Design)	\$130,041.50
Modification No. 1 (Phase II -Detailed Design and Phase III-Bidding Services)	\$1,034,450.00
Estimated Future Modification (Phase IV-Engineering Services During Construction) (Budgeted 2016)	\$850,000.00
CURRENT PROPOSED TOTAL	\$2,014,491.50

The estimate for Modification No. 1 provided with the original legislation was \$1,300,000. This legislation reflects a Modification No. 1 amount of \$2,068,900. The increase in cost is primarily due to an increase in the standby power system capacity since additional effort is required to design the larger facilities. The original design concept assumed the facilities would be sized to supply a system demand of 100 MGD, while the preliminary design calls for the facilities to be sized for a system demand of 140 MGD. This additional capacity allows the DOW to supply average day demands during a power outage and increases the reliability of the water supply system.

The estimated future modification for Engineering Services During Construction (Phase IV) has increased from \$1,400,000 to \$1,900,000. SDC amounts are based upon a percentage of the estimated construction costs, which have increased relative to the original design concept as noted above. These future modification amounts are strictly estimates at this time. The final amounts may change as the project progresses through Detailed Design.

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

A cost proposal was provided by ARCADIS, reviewed by the Division of Water, and deemed acceptable.