ORD #0005-2019

PARSONS AVENUE WATER PLANT TREATMENT UPGRADES – MOD #5
CIP No. 690488-100000, Contract No. 1095

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 RFSQ.**

Name	C.C. No./Exp. Date	DAX #	City/State	Status
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
CDM Smith, Inc.	04-2473650 – 10/19/20	0180	Columbus, OH	FBE
HDR Engineering, Inc.	47-0680568 – 7/16/20	8851	Columbus, OH	MAJ

Note: All 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 (RFP) were opened February 16, 2007.

3. **List the ranking and order of all bidders.**
1. CH2M Hill Engineers, Inc.
2. ARCADIS US, Inc. (fka Malcolm Pirnie)
3. CDM Smith Inc.
4. HDR Engineering, Inc.

4. **The name, address, contact name, phone number and contract number of the firm awarded the original contract.**
CH2M Hill Engineers, Inc. (now Jacobs)
1103 Schrock Road, Suite 400, Columbus, Ohio 43229
Melanie Gamez, P.E., 614.825.6721, Melanie.Gamez@jacobs.com
Original P.O.: EL007318 (Ord. #1073-2007)
Mod #1 P.O.: EL012078 (Ord. #1030-2011)
Mod #2 P.O.: EL013280 (Ord. #1187-2012)
Mod #3 P.O.: EL017066 (Ord. #0279-2015)
Mod #4 P.O.: PO028232 (Ord. #1778-2016)

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 City contracted with CH2M Hill Engineers to prepare a Preliminary Engineering Report and Detailed Design of upgrades for the Parsons Avenue Water Plant (PAWP). Proposed upgrades will provide treatment improvements, reliability upgrades, address antiquated and aging equipment, and make significant improvements to the plant electrical system.

Modification #5 (current) will fund Engineering Services During Construction for the remainder of the construction phase.

Planning Area = "99 – City Wide" since the water plant serves several communities.

6. **An updated contract timeline to contract completion.**
The construction phase began in February 2015 and is anticipated to last for approximately 4.5 years. Previous modifications provided funding for the first part of the Engineering Services during Construction phase, and this modification will provide funding for Engineering Services during Construction for the remainder of the construction phase.

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 regulatory requirements for the Parsons Avenue Water Plant (PAWP). The PAWP is an essential and integral component in the Columbus area water supply and treatment infrastructure. Adequate safe supply of water is essential to economic growth and development.

Public informational meetings were not anticipated for this project as all proposed work is within the boundaries of the water treatment facility. Regulatory agencies were notified of the proposed work as appropriate.

The consultant team identified a commitment to the Mayor's Green Initiative in their business practices. Upgrades to the electrical systems at the plant were evaluated for increased efficiency and reduced energy consumption. A construction waste management program was employed to ensure that certain amounts of construction waste are recycled and diverted from landfills.

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 contract entailed tasks identified as Preliminary Engineering, including Bench-Scale Demonstration and Microbial Studies which will be compiled into a Preliminary Engineering Report.

Modification #1 (1030-2011, EL012078, $275,000) was to update the project direction based on source water quality, current and proposed regulations, and existing plant conditions, and to finalize the Preliminary Engineering Report, develop design alternatives and cost estimates.

Modification #2 (1187-2012, EL013280, $5,950,000) provided final detailed design of the plant upgrades and bidding, including 30%, 60% and 90% design submittals and review meetings, Value Engineering, regulatory submittals, geotechnical and groundwater investigations, and bidding services.

Modification #3 (0279-2015, EL017066, $1,250,000) provided Engineering Services during Construction, including onsite construction representation, submittal and RFI reviews, change order preparation, special inspections, training and asset management services and preparation of records documents, online training, an ArcFlash Study and other engineering services during construction as outlined in the contract scope of work.

Modification #4 (1778-2016, PO028232, $2,000,000) continued funding for Engineering Services During Construction, including onsite construction representation, submittal and RFI reviews, change order preparation, special inspections, training and asset management services and preparation of records documents, online training, an ArcFlash Study and other engineering services during construction as outlined in the contract scope of work.

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 modification provides continued funding for Engineering Services During Construction, including onsite construction representation, submittal and RFI reviews, change order preparation, special inspections, training and asset management services and preparation of records documents, online training, an ArcFlash Study and other engineering services during construction as outlined in the contract scope of work.

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 was a planned contract modification as indicated in the original authorizing legislation (Ord #1073-2007), the first contract modification (Ord #1030-2011), the second contract modification (Ord #1187-2012), the third contract modification (Ord #0279-2015), and the fourth contract modification (Ord #1778-2016).

    Modification #5 (current) will fund Engineering Services During Construction for the remainder of the construction phase.

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 consultant team is very familiar with the details of the project and has performed a multitude of tests, prepared a series of reports and documentation detailing their findings and recommendations, and have compiled the Preliminary Design Report, Detailed Design documents and Bidding documents. This contract was anticipated to be funded in phases as indicated on the original authorized legislation. The process of selecting and contracting with a new consultant team at this time and having them start with data and reports prepared by another consultant would further delay the project and the design of major upgrades that will help the plant provide reliable service and preparedness for future regulatory changes or updates.

12. <u>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.</u>

CONTRACT AMOUNT:		
Original contract amount:	$ 1,740,400.00	(EL007318)
Modification #1:	$ 275,000.00	(EL012078)
Modification #2:	$ 5,950,000.00	(EL013280)
Modification #3:	$ 1,250,000.00	(EL017066)
Modification #4:	$ 2,000,000.00	(PO028232)
Modification #5 (current):	$ 522,500.00	
Current new contract amount	$11,737,900.00	

13. <u>An explanation of how the cost of the modification was determined.</u>

The Consultant prepared an estimate of cost for the remaining scope of work based on a series of meetings and defined task list. City Project management staff reviewed, provided input into the scope and the fees, and approved this cost proposal.