

**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.**

<u>Name</u>	<u>C.C. No./Exp. Date</u>	<u>City/State</u>	<u>Status</u>
ARCADIS U.S. Inc.	57-0373224 – 5/14/2017	Columbus, OH	MAJ

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

RFP

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

1. ARCADIS U.S. 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  
 Hazem Gheith  
 614-985-9229  
[Hazem.Gheith@arcadis.com](mailto:Hazem.Gheith@arcadis.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.**

**Overall project scope elements:**

- Update SWMM 5 models developed under the Sewer System Capacity Model – Update 2006 to year 2013 conditions
- Create new SWMM 5 reduced pipe model (RPM) from updated detailed models
- Utilize all existing SWMM 5 models and data from the Sewer System Capacity Model Update 2006 project
- Utilize all available City data (GIS sewer attribute data, atlas maps, other GIS features/layers, flow monitor data, rain gauge data, PARS, MSIUS, etc.)
- Review and utilize current Inflow/Infiltration study reports and SWMM 5 models (where applicable)
- Perform rain gauge: review, data collection/editing and rainfall analysis
- Perform flow monitoring: review, data collection/editing and dry/wet weather flow analysis
- Develop improved methodology for representing groundwater in the models
- Update dry weather flow patterns and time series

10. Perform dry weather flow calibrations
11. Update wet weather RDII analysis (e.g. RTK, Initial Abstraction, Recovery parameters)
12. Perform wet weather flow calibrations, and verification/validation
13. Perform field investigations
14. Enhance City GIS sewer attribute data as needed
15. Prepare and deliver various technical reports and memorandum
16. Deliver all collected flow monitor and rainfall data
17. Deliver draft and final SWMM 5 models
18. Provide training of City staff
19. Redefine Long Term Control Plan (LTCP) typical year rainfall
20. Redefine 10 year, 5 year and 2 year level of service
21. Perform various model applications (to be defined in each phase)
22. Support Blueprint Columbus program

These tasks will be realized through completion of the Sewer System Capacity Model – Model Update 2012 through a series of five (5) phases hereinafter referred to as: Year 1, Year 2, Year 3, Year 4 and Year 5.

**Work completed to date:**

Items 1, 3, 4, 5, 6, 7(ongoing), 8, 9, 10, 11, part of 12, 13(ongoing), 14(ongoing), 15(ongoing), 18 (on going), 19, 20(ongoing), 21(ongoing), 22(ongoing)

The planning area is the entire City of Columbus

**6. An updated contract timeline to contract completion.**

The original contract funded January 2013 through May 2014. This modification No. 1 was funded from June 2014 through March 2017. This modification No.2 will provide funding to complete the scope of services from March 2017 to March 2018. The project will complete by March 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.**

The collection system model, developed and enhanced by the Model Update 2012 Project, is the principle tool used to manage the planning and operations of the City’s sewer collection system. Enhancement of this tool is vital to minimizing sewer overflows and backups and thereby minimizing negative impacts to the environment caused by the City’s sewer system. This contract is also a major component of City’s Blueprint Columbus Integrated Plan program.

**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.)**

Modification No. 1 (EL 015777): \$5,328,048.34

**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 is needed to perform model applications, monitoring and data management, refinement of sanitary model, stormwater model, real time control and system operation, deliverables and Blueprint Columbus Integrated Plan support.

**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.)**

N/A

**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.)**

Uninterrupted support of the Blueprint Columbus Integrated Plan program is critical and work completed to date would have to be repeated if this project was rebid.

**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.**

Original contract, \$4,326,563 EL013911 ord. #2467-2012  
 Modification #1, \$5,328,048 EL015777  
 Modification #2 (Current), \$3,075,175.32  
 Modification #3 (Year 5), \$2 Million (estimate)

Total estimated contract \$14,729, 786.32

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

Consultant proposal based on City's requested continuation of original scope of services

**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>
CDM Smith	04-2473650 11/15/2018	MAJ
Dynotec, Inc.	31-1319961 2/5/2017	MBE
Resource International, Inc.	CC004197 3/24/2018	FBE
AECOM	95-2661922 9/19/2018	MAJ
HAm	34-2055263 In Renew	AFA
Dante T. Zettler	28-9742183 2/3/2017	MAJ

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

<b>CDM Smith</b>	\$56,652.00
Real Time Control Support, modeling support	
<b>Dynotec, Inc.</b>	\$38,870.00
Model application support	
<b>Resource International, Inc.</b>	\$20,021.10
Model application support	
<b>AECOM</b>	\$ 62,592.00

Model application support, data management support

**HAm** \$ 133,632.00

Model application, sanitary and storm model refinement, real time control support

**Dante T. Zettler** \$34,720.00

Documentation and deliverable support

Note: The Contract should be considered to include any and all work that is anticipated to be awarded to the company awarded the original contract throughout the contract/project timeline. This includes the original contract and any and all future anticipated modifications to the contract to complete the contract/project.

Revised Date: 05-23-11