



Legislation Text

File #: 2467-2012, Version: 1

BACKGROUND:

1. **Need.** This legislation authorizes the Director of Public Utilities to enter into a professional engineering services agreement with Arcadis U.S. Inc., for up to \$4,326,563.16 for the Sewer System Capacity Model Update 2012 Project, for the Division of Sewerage and Drainage. The initial contract covers work for the first year with four subsequent annual contract modifications planned for the future.

2. **Procurement Process:** The Division advertised for Request for Proposals (RFP) on the City of Columbus's Vendor Services website and the in the City Bulletin in accordance with the provisions of Section 329.14 of the Columbus City Codes. The Division of Sewerage and Drainage opened the responding RFP on August 31, 2012.

A technical proposal for the project was submitted by one consultant. Upon review of the technical proposal by a team of DPU representatives, the offeror was evaluated using criteria as follows: proposal quality, competence to perform including education and experience, project schedule, past performance with DOSD and other City divisions, ability to perform based on backlog & resources, and local workforce percentage. After careful consideration and in accordance with the provisions of Section 329.14 of the Columbus City Codes, the committee recommended Arcadis U.S., Inc. be selected for this project.

3. **Project Task Description:**

1. Update SWMM 5 models developed under the Sewer System Capacity Model - Update 2006 to year 2013 conditions
2. Create new SWMM 5 reduced pipe model (RPM) from updated detailed models
3. Utilize all existing SWMM 5 models and data from the Sewer System Capacity Model Update 2006 project
4. Utilize all available City data (GIS sewer attribute data, atlas maps, other GIS features/layers, flow monitor data, rain gauge data, PARS, MSIUS, etc.)
5. Review and utilize current Inflow/Infiltration study reports and SWMM 5 models (where applicable)
6. Perform rain gauge: review, data collection/editing and rainfall analysis
7. Perform flow monitoring: review, data collection/editing and dry/wet weather flow analysis
8. Develop improved methodology for representing groundwater in the models
9. 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)

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.

4. **MULTI-YEAR CONTRACT:** The Department anticipates requesting additional future modifications to this contract.

5. **Contract Compliance No.:** 57-0373224 | MAJ | Exp. 08/25/2013

6. **Emergency Designation:** Emergency designation is requested at this time so that the model can be updated with the recent intergreted plan to meet EPA compliance.

7. **Economic Impact:**

The collection system model will be 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.

8. **Fiscal Impact:** The legislation authorizes the transfer within of \$326,563.00 and a total expenditure of up to \$4,326,563.00 from the Sanitary Sewer General Obligation Fund, Fund 664 and an amendment to the 2012 Capital Improvements Budget.

To authorize the Director of Public Utilities to enter into a professional engineering services agreement with Arcadis U.S. Inc., in connection with the Sewer System Capacity Model Update 2012; to authorize the transfer within of \$326,563.00 and a total expenditure of up to \$4,326,563.00 from the Sanitary Sewer General Obligation Fund for the Division of Sewerage and Drainage; to authorize an amendment to the 2012 Capital Improvements Budget; and to declare an emergency. (\$4,326,563.00)

WHEREAS, In accordance with the provisions of Section 329.14 of the Columbus City Codes, the one respondent to the advertised RFP was received and opened on August 31, 2012 at the office of the Director of Public Utilities; and

WHEREAS, the Division of Sewerage and Drainage's review committee after careful review and consideration recommended that the agreement award for the Sewer System Capacity Model Update 2012 be made to Arcadis U.S. Inc.; and

WHEREAS, transfer within of \$326,563.00 and a total expenditure of up to \$4,326,563.00 from the Sanitary Sewer General Obligation Fund, Fund 664; and

WHEREAS, it is necessary to amend the 2012 Capital Improvements Budget for purposes of providing sufficient budget authority for the project expenditure; and

WHEREAS, an emergency exists in the usual daily operations of the Divisions of Sewerage and Drainage, Department of Public Utilities, it is hereby requested that Council authorize the Director of Public Utilities to enter into a professional engineering services agreement with Arcadis U.S. Inc., for up to \$4,326,563.16 for the Sewer System Capacity Model Update 2012 Project, for the Division of Sewerage and Drainage at the earliest practicable date for the preservation of the public health, property, and safety; **Now, Therefore,**

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBUS:

SECTION 1. That the Director of Public Utilities be, and hereby is, authorized to enter into an agreement with Arcadis U.S. Inc., 100 East Campus View Blvd, Suite 200, Columbus, Ohio 43235, for professional engineering services for the Sewer System Capacity Model Update 2012, in accordance with the terms and conditions as shown in the contract modification on file in the office of the Division of Sewerage and Drainage.

SECTION 2. That the City Auditor is hereby authorized to transfer \$326,563.00 within the Dept. of Public Utilities | Division of Sewerage and Drainage | Div. 60-05 | Sanitary Sewer General Obligation Bond Fund | Fund 664 | Object Level Three 6676, as follows:

FROM:

Proj. No. | Proj. Name | OCA | Amount

650754-100000 | Whetstone Park of Roses Wet Weather Treatment Facility | 664754 | -\$326,563.16

TO:

Proj. No. | Proj. Name | OCA | Amount

650460-100001 | Sewer System Capacity Model Update 2012 | 644601 | \$326,563.16

SECTION 3. That the 2012 Capital Improvements Budget Ordinance No.0368-2012 is hereby amended as follows, to create and provide sufficient budget authority for the award of the agreement stated herein:

Project No. | Project Name | Current Authority | Revised Authority | (Change)

650754-100000 | Whetstone Park of Roses WWTF | \$640,000 | \$313,437 | (-\$326,563)

650460-100001 | Sewer System Capacity Model Update 2012 | \$4,000,000 | \$4,326,564 | (+\$326,564)

SECTION 4. That the Director of Public Utilities is hereby authorized to expend up to \$4,326,563.16 or as much thereof as may be needed from the Sanitary Sewer General Obligation Bond Fund | Fund 664 | Division 60-05 | Project 650460-100001 | OCA Code 644601 | Object Level Three 6676.

SECTION 5. That said engineering company, Arcadis U.S. Inc., shall conduct the work to the satisfaction of the Director of Public Utilities and the Administrator of the Division of Sewerage and Drainage.

SECTION 6. That the City Auditor is hereby authorized and directed to transfer any unencumbered balance in the project account to the unallocated balance within the same fund upon receipt of certification by the Director of the Department administering said project that the project has been completed and the monies no longer required for said project; except that no transfer shall be made from a project account by monies from more than one source.

SECTION 7. That the City Auditor is authorized to establish proper project accounting numbers as appropriate.

SECTION 8. That the City Auditor is authorized to make any accounting changes to revise the funding source for all contracts or contract modifications associated with this Ordinance.

SECTION 9. That for the reasons stated in the preamble hereto, this ordinance is hereby declared to be an emergency measure and shall take effect and be in force from and after its passage and approval by the Mayor or ten days after passage if the Mayor neither approves nor vetoes the same.