



# City of Columbus

Office of City Clerk  
90 West Broad Street  
Columbus OH 43215-9015  
columbuscitycouncil.org

## Legislation Text

File #: 0841-2011, Version: 1

### 1. BACKGROUND:

This legislation authorizes the Director of Public Utilities to enter into an engineering services agreement with AECOM Technical Services, in the amount of \$271,210.00 for professional engineering services for the Scioto River Stage Prediction Augmentation Project for the Division of Sewerage and Drainage.

The City of Columbus, Division of Sewerage and Drainage (DOSD) maintains and operates components of the West Columbus Local Protection Project (WCLPP - a.k.a. "the Franklinton Floodwall"). The WCLPP centerline of protection is comprised of levee embankments and floodwall sections along with other components like a flow control structure in Rhodes Park with an associated upstream McKinley Avenue emergency overflow structure, several pump stations, gate wells, and both stop log and sandbag gate closures.

Currently, the City relies upon the National Weather Service (NWS), Advanced Hydrologic Prediction Service (AHPS) for these flood predictions. In the past this service has provided flawed information. As a consequence, the City seeks to fully investigate the accuracy, precision, and reliability of every aspect of its current methodology in receiving and employing real time rain data and associated flood forecast information; including augmenting and refining all rain and stream gauging along with augmenting, refining, and/or replacing the NWS AHPS modeling and weather prediction services with our own.

The Engineer, AECOM, is to evaluate all applicable services, methods and operations; recommend augmentations and/or replacements to any and all parts of the process to make the system as more accurate, precise, and reliable; and then to implement chosen augmentations.

For funding purposes, this is a two-part project; first to investigate, evaluate, and recommend augmentations to all aspects of the data gathering and flood elevation predictions. The second part, funded as a subsequent modification to the original contract, shall implement those augmentations chosen by the City.

#### Economic & Environmental Impact:

This project enables local and international experts to assess national and local processes in the operations of the Franklinton Floodwall. Augmented City procedures and actions in respect to the Floodwall are expected. Such augmented procedures should affect a savings in the amount of man-power needed to operate the Floodwall. Rainfall, river stage, and model-related data will be available for many other applications such as real time control of sanitary collection systems and plant operations. Such applications would optimize systems operations and lower overflows from the collection system and plants.

#### Project Timeline and Cost:

Proposals out .....	10/11/10 (Actual)	
Proposals received .....	11/12/10 (Actual)	
Contract Initiation (NTP) .....	8/17/11	
Part 1 (Current Ops evaluated) .....	4/22/12	\$271,210
Part 2 (Augmentation Implementation) ...	8/5/14	\$872,400 (Future Mod)
End .....	8/5/15	<b>Total \$1,143,610</b>

**Procurement Information:** The Division sent a Request for Proposals (RFP) on the City of Columbus's Vendor Services website and in the City Bulletin in accordance with the provisions of Section 329.14 of Columbus City Codes. The Division of Sewerage and Drainage opened five requests for proposals on November 12, 2010.

<u>Name</u>	<u>C.C. No.</u>	<u>Exp. Date</u>	<u>Status</u>	<u>City and State</u>
AECOM Technical Svs	13-5511947	07/07/11	MAJ	Columbus, Ohio
DLZ Corp.	31-1126898	02/22/13	MAJ	Columbus, Ohio

Malcolm Pirnie Arcadis 13-2653703 03/09/12 MAJ Columbus, Ohio

**B. Contract Compliance No.:** 13-5511947| MAJ | Expires 07/07/2011

This company is not debarred according to the Federal excluded parties listing or prohibited from being awarded a contract to the Auditor of State unresolved findings for recovery certified search.

**C. Emergency Designation:** Emergency designation is not requested.

**D. Fiscal Impact:** This ordinance authorizes the Director of Public Utilities to expend \$271,210.00 from the Sanitary Sewer Build America Bond Fund (B.A.B.s), Fund 668; there is sufficient authority in the 2011 Capital Improvements Budget for this expenditure.

To authorize the Director of Public Utilities to enter into an engineering agreement with AECOM Technical Services, Inc. in the amount of \$271,210.00 for the Scioto River Stage Prediction Augmentation project; and to authorize the expenditure of \$271,210.00 from the Sanitary Sewer Super Build America Bond Fund. (\$271,210.00).

**WHEREAS**, the Division of Sewerage and Drainage currently uses the National Weather Services and Advanced Hydrologic Prediction Services for flood prediction modeling; and

**WHEREAS**, the Division of Sewerage and Drainage received three Request for Proposals on November 12, 2010 for the Scioto River Stage Prediction Augmentation project, where upon AECOM Technical Services was selected; and

**WHEREAS**, the Division of Sewerage and Drainage is attempting to increase its flood modeling accuracy by entering into an engineering service agreement with AECOM Technical Services, Inc., for the investigation of improved modeling methodology for the Scioto River Stage Prediction Augmentation project; and

**WHEREAS**, it is necessary to authorize the expenditure funds from the Sanitary Sewer Build America Bond Fund (B.A.B.s), Fund 668 in the amount of \$271,210.00 for purposes of providing sufficient funding for the aforementioned project; and

**WHEREAS**, the Division of Sewerage and Drainage, Department of Public Utilities is requesting that this Council authorize the Director of Public Utilities to modify the engineering agreement with , for the preservation of the public health, peace, property, safety, and welfare; **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 engineering service agreement with AECOM Technical Services, Inc. 300 East Broad Street, Suite300, Columbus, Ohio 43215, for flood modeling for the Scioto River Stage Prediction Augmentation project which is on file in the office of the Division of Sewerage and Drainage.

**Section 2.** That the Director of Public Utilities be and hereby is authorized to expend a total of \$271,210.00 from the Sewerage and Drainage Sanitary Sewer Build America Bonds Fund into the Scioto River Stage Prediction Augmentation | Fund 668 | Div. 60-05 | 650741-100000 | 668741 | Object Level Three 6676.

**Section 3.** That the said engineering company, AECOM Technical Services, 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 4.** That the City Auditor is hereby authorized 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 are no longer required for said project; except that no transfer shall be made from a project by monies from more than one source.

**Section 5.** That the City Auditor is authorized to establish proper project accounting numbers as appropriate.

**Section 6.** 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 7.** That the said firm shall perform the work to the satisfaction of the Director of Public Utilities and the Administrator of the Division of Sewerage and Drainage.

**Section 8.** That this ordinance shall take effect and be in force from and after the earliest period allowed by law.