



Legislation Text

File #: 1257-2014, Version: 1

BACKGROUND: This legislation authorizes the Director of Public Utilities to modify the professional engineering services agreement with CH2M Hill Engineers, Inc., for the Southerly Wastewater Treatment Plant Sludge Thickening Improvements and Additional Renovations Project.

This is a contract for professional engineering design services and services during construction (Design Professional, or “DP” services). This contract provided engineering services for the SWWTP Sludge Thickening Improvements and Additional Renovations. This contract implemented improvements for one of the wastewater plants construction projects in the City’s Wet Weather Management Plan (WWMP) program.

The first phase of the project, Contract S75, Incinerator Building - North and Selective Demolition was performed at the SWWTP and the Compost Facility and includes:

1. SWWTP: Demolition of the Incinerator Building - North and preparation of the site for the construction of the second phase of project construction, Contract S76, Sludge Thickening Improvements and Additional Renovations.
2. Compost Facility: Selective demolition of elements of the Solar Drying Building, Screening Area, and Storage Buildings.

The second phase of the project, Contract S76, Sludge Thickening Improvements and Additional Renovations was performed at the SWWTP and the Compost Facility and includes:

1. SWWTP: Demolition of existing thickening centrifuge equipment, architectural renovations to the existing Centrifuge Thickening Building to reconfigure it as the new Thickening Facility East, structural and architectural construction of a new Thickening Facility West on the foundation of the existing Incinerator Building - North, installation of new thickening centrifuges, installation of a new polymer storage/transfer/feed system and associated appurtenances.
2. Compost Facility: Solar Building structural modifications.

The third phase of the project is included under Contract J216, Jackson Pike Wastewater Treatment Plant (JPWWTP) Polymer System Renovations. The existing polymer systems at Jackson Pike are deficient and in need of replacement. This specialized work is being performed by this Design Professional, because the systems at Southerly, which were designed by this DP, are reliable and will be mirrored at Jackson Pike. The preliminary and detailed design has been completed.

The J216 work consists of

1. Decommissioning of the existing polymer system including the bulk polymer storage tanks, load cells, blending system, and the polymer blending units for the dewatering and thickening centrifuges.
2. Providing a new polymer feed system consisting of polymer storage tanks and mixing system, polymer blending units, polymer aging tanks, and polymer solution feed pumps for the dewatering and thickening centrifuges.
3. Providing flushing water filtration equipment for the polymer blending units.
4. Repairs to existing floor drains to provide adequate service in the polymer area.
5. Replacing an existing floor hatch in the Sludge Pit Area to withstand vehicle loading from motorized

- plant equipment.
6. Decommissioning of an underground fuel oil storage tank.
 7. Providing spill control measures at the plant's fueling station.

The actual emplacement of the work will be by construction contract. This engineering contract provides detailed design and bidding assistance, along with construction-phase engineering, start-up and commissioning assistance, and record documentation preparation. Construction Management services are being performed by others.

All engineering design services have been completed for all three phases of this project. Construction is completed for both the first and second phases.

MODIFICATION INFORMATION:

Amount of additional funds to be expended: \$622,566.00

Original Contract	\$ 1,400,000.00
Modification No. 1	\$ 2,572,000.00
Modification No. 2	\$ 4,688,327.00
Modification No. 3	\$ 250,000.00
Modification No. 4	\$ 1,419,870.00
Modification No. 5	\$ 330,423.00
Modification No. 6 (current)	\$ 622,566.00
CURRENT PROPOSED TOTAL	\$11,283,186.00

Reasons additional goods/services could not be foreseen:

This Contract Modification No. 6 is a planned modification and is a continuation of the services included within the existing contract's scope of services. It is a planned continuation of the services included within contract Modification No. 3's information accompanying the legislation. This contract modification also includes additional Detailed Design Services that became necessary during completion of the design.

Reason other procurement processes are not used:

The funding provided by this contract modification is for continuation of the existing work of the contract. It is not reasonable or cost effective to undertake a new procurement to acquire these services.

How cost of modification was determined:

A cost proposal was provided by CH2M Hill, Inc. and reviewed by the Division of Sewerage and Drainage and was deemed acceptable.

Contract Compliance No.: 32-0100027 | MAJ | Expires 01/07/2015

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

ECONOMIC IMPACT: The new polymer system equipment being designed will reduce maintenance problems and costs. Environmental Factors included in this project are the removal of an Underground Fuel Oil Storage Tank and providing spill control measures at the facility's fueling station. No community outreach factors are considered for this project.

FISCAL IMPACT: This legislation authorizes an expenditure of up to \$622,566.00 from the Sanitary Sewer Revenue Bond Fund, Fund 665 and amends the 2014 Capital Improvements Budget.

To authorize the Director of Public Utilities to enter into a planned modification for a professional engineering

services agreement with CH2M Hill Engineers, Inc., for the Southerly Wastewater Treatment Plant Sludge Thickening Improvements and Additional Renovations Project; to authorize an expenditure of up to \$622,566.00 from the Sanitary Sewer Revenue Bond Fund, for the Division of Sewerage and Drainage, and authorize an amendment to the 2014 Capital Improvements Budget. (\$622,566.00).

WHEREAS, the Original contract No. EL007225 was authorized by Ordinance No. 1676-2006, and passed by Columbus City Council on October 16, 2006; executed on August 17, 2007; approved by the City Attorney on August 23, 2007; and certified by the City Auditor's office on August 28, 2007; and

WHEREAS, Modification No. 1, contract No. EL007423, was authorized by Ordinance No. 1333-2007 and passed by Columbus City Council on October 1, 2007; executed on November 1, 2007; approved by the City Attorney on November 07, 2007; and certified by the City Auditor's office on November 08, 2007; and

WHEREAS, Modification No. 2, contract No. EL008436, was authorized by Ordinance No. 1109-2008 and passed by Columbus City Council on July 7, 2008, executed on July 24, 2008; approved by the City Attorney on executed on July 30, 2008; and certified by the City Auditor's office on August 06, 2008; and

WHEREAS, Modification No. 3, contract No. EL009396, was authorized by Ordinance No. 0118-2009 and passed by Columbus City Council on April 6, 2009, executed on May 29, 2009; approved by the City Attorney on executed on June 08, 2009; and certified by the City Auditor's office on June 12, 2009; and

WHEREAS, Modification No. 4, contract No. EL011545, was authorized by Ordinance No. 1255-2010 and passed by Columbus City Council on January 31, 2011, executed on April 08, 2011; approved by the City Attorney on executed on April 19, 2011; and certified by the City Auditor's office on April 20, 2011; and

WHEREAS, Modification No. 5, contract No. EL013909, was authorized by Ordinance 2385-2012, and passed by Columbus City Council on Dec 03, 2012, executed on January 15, 2013; approved by the City Attorney on executed on January 17, 2013; and certified by the City Auditor's office on January 17, 2013; and

WHEREAS, it is necessary to modify this contract in order to provide funding for additional professional engineering design services and services during construction of the project; and

WHEREAS, it is necessary for City Council to authorize the expenditure of up to \$622,566.00 in funds from the Sanitary Sewer Revenue Bond Fund, Fund 665; and

WHEREAS, it is necessary to amend the 2014 Capital Improvements Budget to provide sufficient budget authority for the project expenditure; 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 professional engineering services agreement with CH2M Hill Engineers, Inc. for the Southerly Wastewater Treatment Plant Sludge Thickening Improvements and Additional Renovations Project, at the earliest practical date; **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 modify Contract No. EL007225 with CH2M Hill Engineers, Inc., 1103 Schrock Road, Suite 400, Columbus, Ohio 43229, for professional engineering services for the Southerly Wastewater Treatment Plant Sludge Thickening Improvements and Additional Renovations project, in order to provide the professional engineering services in accordance with the terms and conditions as shown 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 up to \$622,566.00 from the Sanitary Sewer Revenue Bond Fund | Fund 665 Div. 60-05 | in the following manner:

Project No. | Project Name | OCA Code | Amount (\$)

650359-100000 | SWWTP Sludge Thickening Improvements and Additional Renovations | 665359 | Obj. Lvl Three 6678 | \$622,566.00

SECTION 3. That the 2014 Capital Improvements Budget is hereby amended as follows:

Fund No. | Proj. No. | Proj. Name | Current Authority | Revised Authority | Change

Creation of authority to match cash - only using \$622,566

665 | 650359-100000 | SWWTP Sludge Thickening Improvements and Additional Renovations
| \$0 | \$1,393,865 | (+\$1,393,865)

665 | 650359-100000 | SWWTP Sludge Thickening Improvements and Additional Renovations
| \$1,393,865 | \$771,299 | (-\$622,566)

SECTION 4. That the said firm, CH2M Hill Engineers, Inc., shall perform the work to the satisfaction of the Director of Public Utilities and the Administrators of the Division of Sewerage and Drainage and Water.

SECTION 5. 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 are no longer required for said project.

SECTION 6. That the funds necessary to carry out the purpose of this ordinance are hereby deemed appropriated, and the City Auditor shall establish such accounting codes as necessary.

SECTION 7. That the City Auditor is hereby authorized to make any accounting changes to revise the funding source for all contracts or contract modifications associated with this ordinance.

SECTION 8. That the City Auditor is authorized to establish proper project accounting numbers as appropriate.

SECTION 9. That this ordinance shall take effect and be in force from and after the earliest period allowed by law.