

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 RFSO.**

<u>Name</u>	<u>C.C. No./Exp. Date</u>	<u>City/State</u>	<u>Status</u>
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A. CH2MHill, Inc. | 590918189 / 05/11/2012 | Columbus, OH | MAJ

B. DLZ | 311268980 / 03/10/2011 | Columbus, OH | MAJ

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

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

1. CH2MHill, Inc.
2. DLZ

4. **The name, address, contact name, phone number and contract number of the firm awarded the original contract.**

CH2MHill, Inc., 1103 Schrock Road, Columbus, Ohio 43229

Contact: Dennis F. Tinkler, P.E., (614) 888-3100

Contract No. EL007225

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.**

This is a contract for professional engineering design services and services during construction (Design Professional, or "DP" services) for one of the key, time-critical wastewater plants construction projects in the City's Wet Weather Management Plan (WWMP) program, for the period through 2010. The work in that program is a very substantial group of sewer capital improvement projects (CIPs), both collections systems and treatment works improvements, which have been agreed to by the City and Ohio EPA in order to conform to the requirements of the City's consent orders. The WWMP projects at the Southerly Wastewater Treatment Plant (SWWTP) will increase the plant's wet weather treatment capacity to 330 million gallons per day.

This Contract provides engineering services for the SWWTP Thickening Improvements and Additional Renovations. This contract will implement improvements to the sludge thickening process for both the waste activated and primary sludges.

The first phase of the project is included under Contract S75, Incinerator Building – North and Selective Demolition. The work will be performed at the SWWTP and the Compost Facility and includes:

1. SWWTP - Demolition of the Incinerator Building – North, that has exceeded its useful life, selective demolition of process equipment and building elements of adjacent structures, demolition of associated site work, modification and temporary installations

of process systems to maintain operation during construction, and abatement and remediation of hazardous materials encountered during construction. The Work is being performed to prepare the site for the construction of the second phase of project construction, Contract S76, Sludge Thickening Improvements and Additional Renovations.

2. Compost Facility – Removal of process equipment and building elements in the Solar Drying Building, Screening Area and Storage Buildings, the replacement of building siding to close openings, pavement repair, and abatement and remediation of hazardous materials encountered during construction.

The second phase of the project is included under Contract S76, Sludge Thickening Improvements and Additional Renovations. The work will be 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, complete with all related support equipment, electrical, instrumentation, and controls and appurtenances, installation of a new polymer storage/transfer/feed system, modifications to the existing polymer preparation system, construction of new sludge wells and centrate piping discharge, construction of new Skimmings Concentrator and associated process equipment, construction of a new Skimmings Dumpster Room, demolition of existing gravity thickening equipment, abatement and remediation of hazardous materials, miscellaneous architectural, mechanical and electrical modifications and improvements, site modifications and improvements.
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 Pipe 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 design has been completed.

The J216 work consists of decommissioning of the existing polymer blending units for the dewatering and thickening centrifuges, providing a new system consisting of polymer mixing units, polymer aging tanks, and polymer solution feed pumps, and replacing the Thickened Waste Activated Sludge (TWAS) piping from the TWAS pumps to the Waste Holding Tank with glass-lined pipe to minimize hydraulic restriction and increase the conveyance capacity.

The actual emplacement of the work will be by construction contract. This engineering contract will provide detailed design and bidding assistance.

A future contract modification is required for construction-phase engineering, start-up and commissioning assistance, record documentation preparation, start-up and commissioning assistance for the J216 contract. Construction Management services are being performed by others.

All engineering design services have been completed for the first and second phases of this project. Engineering design services are in progress for the third project phase. Construction is completed for the first phase and the construction of the second phase is in progress.

6. An updated contract timeline to contract completion.

As part of the Professional Program Manager's (PPM) scope of services for the capital improvement projects included in the Wet Weather Management Program, 2006 – 2010, the PPM and their team initiated work on the draft Detailed Design Memorandum (DDM) in November, 2006. The DDM was completed and submitted to the City on May 1, 2007. In June, 2007, CH2M Hill proceeded with Detailed Design services for SWWTP Thickening Improvements and work at the Compost Facility.

In December 2007, the City and the PPM requested the project's construction work be separated into two separate contracts, S75 and S76. The Work in S75 is being performed to prepare the Southerly site for the construction of the second phase of project construction, Contract S76, Sludge Thickening Improvements and Additional Renovations.

The design for S75 was completed and the construction contract bids were received on April 30, 2008. The construction contract Notice to Proceed (NTP) was issued on July 28, 2008. Construction is completed and contract close out is in progress.

The design for S76 was completed and the construction contract bids were received on July 30, 2008. The construction contract Notice to Proceed (NTP) was issued on October 22, 2008. The construction contract's final completion is expected 1285 days from the date that the Notice To Proceed (NTP) was issued by the City.

The Scope of Services for Modification No. 2 included a JPWWTP Sludge Thickening System Study. The report for this study was submitted to the City on March 31, 2008. This report provided the preliminary design for needed corrections to the polymer system deficiencies and TWAS piping restrictions. The detailed design for J216, the JPWWTP Polymer System Renovations is scheduled to bid in August 2009.

CH2M Hill's services will continue beyond completion of construction to provide "as-built" record drawings of the constructed facilities.

7. 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.)

ORIGINAL CONTRACT: \$1,400,000.00 (EL007225)

Funding provided estimated to be needed for Preliminary Design (Step 1) and Detailed Design (Step 2) including bidding assistance for the project.

MODIFICATION NO. 1: \$2,572,000.00 (EL007423)

This modification provided \$2,572,000.00 of funding for additional for Step 2 - Detailed Design services.

MODIFICATION NO. 2: \$4,688,327.00 (EL008436)

This modification provided \$1,574,000.00 of funding for additional Detailed Design services that became necessary in the course of the design development, \$403,441.00 of funding for Services During Construction and Commissioning tasks for Contract S75 and \$2,710,886.00 of funding for Services During Construction and Commissioning tasks for Contract S76.

MODIFICATION NO. 3: \$250,000.00 (EL009396)

This modification provides \$250,000.00 of funding for Detailed Design services for Contract J216.

8. **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.)**

PROPOSED MODIFICATION NO. 4: \$1,419,870.00

This modification provides funding for additional construction-phase engineering services and commissioning assistance tasks that became necessary during the course of construction for Contract S76

9. **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 Contract Modification No. 4 is a continuation of the services included within the existing contract's scope of service and was anticipated as construction progressed. In a construction project for renovation of existing facilities, changes to contract work are expected and sometimes require a protracted level of services to reconcile a myriad of complex schedule, technical and interface issues. The additional effort required construction-phase engineering, on site, and time critical efforts and commissioning assistance beyond the level originally estimated.

10. **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 funding provided by this contract modification is for completion of the existing services during construction for Contract S76. Due to the highly complex and technical nature of this wastewater treatment plant infrastructure, it is not reasonable or cost efficient to undertake a new procurement effort to acquire these services. The lengthy process for initiating a new procurement, and for a new entity to gain understanding of the project, would likely cause an unacceptable project delay and additional cost.

11. **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	\$1,400,000.00
Modification No. 1	\$2,572,000.00
Modification No. 2	\$4,688,327.00
Modification No. 3	\$ 250,000.00
Proposed Modification No. 4	\$1,419,870.00
Future Modification No. 5 (estimated 2011 funding)	<u>\$ 65,000.00</u>
CURRENT PROPOSED TOTAL	\$10,395,197.00

12. An explanation of how the cost of the modification was determined.

The cost of this contract modification is consistent with the direct labor, overhead, and profit rates established within the original proposal

13. 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>
See attached Subcontracting and MBE/FBE Utilization Report, 8/18/10, and Subcontractor Contact Report, 8/18/10.		

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

See attached Subcontracting and MBE/FBE Utilization Report, 8/18/10, and Subcontractor Contact Report, 8/18/10.

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.

Updated as of 4-3-09 (JPM)