

**INFORMATION REQUIRED TO ACCOMPANY
LEGISLATION MODIFYING CONTRACTS**

ORDINANCE NO. 2181-2005

**MODIFICATION NO. 4 TO CONTRACT FOR
PROFESSIONAL ENGINEERING SERVICES**

**SOUTHERLY WASTEWATER TREATMENT PLANT
DIGESTER REHABILITATION
CIP PROJECT NO. 650353**

1. Names of all companies bidding or submitting an RFP or RFSQ for the original contract

Companies submitting an RFSQ:

- A. Camp Dresser & McKee
- B. Gannett Fleming Corddry & Carpenter
- C. Metcalf & Eddy of Ohio, Inc.
- D. R. D. Zande & Associates, Inc.
- E. Sverdrup Associates, Inc.

Companies that were selected and requested to submit, and did submit, a Technical Proposal (RFP):

- A. Camp Dresser & McKee
- B. Metcalf & Eddy of Ohio, Inc.
- C. R. D. Zande & Associates, Inc.

2. The location by City and State of all companies bidding or submitting an RFP or RFSQ for the original contract

- A. Camp Dresser & McKee, Worthington, Ohio
- B. Gannett Fleming Corddry & Carpenter, Columbus, Ohio
- C. Metcalf & Eddy of Ohio, Inc., Columbus, Ohio
- D. R. D. Zande & Associates, Inc., Columbus, Ohio
- E. Sverdrup Associates, Inc., Columbus, Ohio

3. The status, Majority, MBE or FBE, of all companies bidding or submitting an RFP or RFSQ for the original contract

- A. Camp Dresser & McKee, a Majority enterprise
- B. Gannett Fleming Corddry & Carpenter, a Majority enterprise
- C. Metcalf & Eddy of Ohio, Inc., a Majority enterprise
- D. R. D. Zande & Associates, Inc., a Majority enterprise
- E. Sverdrup Associates, Inc., a Majority enterprise

4. The name and location of the firm awarded the original contract and the Contract Number

R. D. Zande & Associates, Inc., 1500 Lake Shore Drive, Columbus, Ohio 43204, EL900074 (2/26/99)

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 Contract provides engineering services for the Southerly Wastewater Treatment Plant Digester Rehabilitation, Project No. 650353. Project improvements are being accomplished in two phases. The initial phase provided for installation of a pipeline to supply natural gas to the Southerly Plant, and improvements to sludge incinerator fuel systems. The project second phase, the main portion of project improvements, provides for extensive rehabilitation of the existing sludge digester process facilities, and construction of three new digester tanks and associated process facilities.

For each project phase, the engineering services provided under this contract are being accomplished in three Steps: Step 1 - Preliminary Design, Step 2 - Detailed Design, and Step 3 - Services During Construction.

Step 1 - Preliminary Design services begin with an investigation and evaluation of the existing facilities' records, function and condition; an investigation of process technology and available equipment; and an evaluation of the present and future needs of the City in regard to the planned improvement. A detailed report is developed that describes the investigative efforts, provides a general plan for project improvements that includes viable alternatives, and provides recommendations for the City's consideration and determination of project direction.

Step 2 – Detailed Design services provide for development of a facility design that is detailed in written specifications and drawings for bidding the construction work of the Project, development of estimates of project cost and duration, and assistance with bid solicitation and evaluation.

Step 3 – Services During Construction provide for assistance to the City during construction of project improvements. Two types of services are provided under this contract: Technical and Field Project Representation, and Construction Management.

Technical and Field Project Representation Services include providing interpretations and clarifications of the construction documents, responding to contractor's inquiries, reviewing and approving the contractor's submitted documents, designing and documenting needed changes to the construction work, observing and verifying construction work, providing evaluations and recommendations on the acceptability of the contractor's work, control equipment software programming, observing facility testing and startup, providing training for plant operations and maintenance personnel, providing manuals for facility operation, and revising drawings of the facility to represent it as actually constructed.

Construction Management provides for administration of the project as the City's representative to the construction contractor and generally consists of maintaining and communicating project information, verifying the contractor's compliance with required schedules, verifying the contractor's payment requests, evaluating and negotiating proposed changes in the construction work, providing materials testing, conducting and recording project meetings, coordinating construction work with the plant operations,

coordinating quality control verification work, obtaining maintenance and warranty documentation from the construction contractor, and reporting of project progress to the City.

All engineering services and construction are completed for the project's first phase.

For the project's second phase, Step 1 - Preliminary Design services and Step 2 - Detailed Design services are complete.

Step 3 – Services During Construction for the second project phase are to be performed with funding provided by the proposed contract modification.

No additional project phases are planned.

6. An updated contract timeline to contract completion.

A Notice to Proceed for the Preliminary Design (Step 1) work was issued on March 22, 1999. R. D. Zande & Associates, Inc. proceeded to investigate available process technology, investigate existing facility conditions, and develop a general plan for the project improvements. A draft Detailed Design Memorandum (DDM) documenting the investigative efforts, alternatives, general plan and recommendations for project improvements was submitted to the City for review on February 21, 2001. On August 17, 2001, the final version of the DDM was submitted that included all revisions resulting from the City's reviews and from a Value Engineering review. On November 6, 2000, R.D. Zande was directed to proceed with Detailed Design Services (Step 2) for development of specifications and drawings for the first phase of project construction, the natural gas pipeline. The construction contract was advertised for bids, and bids were received on August 1, 2001. The construction contract was awarded and the Notice to Proceed was issued on December 12, 2001. Final Completion of construction was verified occurred on August 23, 2002.

On February 4, 2002, R. D. Zande was directed to proceed with detailed design services (Step 2) for the second project phase. R. D. Zande proceeded with development of specifications and drawings for bidding the second phase construction. In September, 2002, the Administrator of the Division of Sewerage and Drainage decided to delay completion of this project phase design and reschedule it for a 2006 construction contract award. The design work was put on hold until June, 2004, when design activities were reactivated. The design has been revised to incorporate recent improvements in available technology, completed, and the completed, revised design was advertised for an August 31, 2005 construction bid submission. To accommodate contractors intending to provide bids for this contract, the bid opening was rescheduled to September 21, 2005.

Selection of a contractor is completed, and authorizing legislation for the construction contract is being forwarded for City Council approval simultaneously with the legislation for this contract modification. The construction is required to be completed 27 months after issuance of a Notice To Proceed. R. D. Zande's services will continue beyond completion of construction to provide "as-built" record drawings of the constructed facilities, provide manuals for facility operation and maintenance, and also to provide reporting on the status of operation of the constructed facilities one year after completion.

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: \$1,213,977.00 (EL900074 - February 26, 1999)

Funding was provided for Step 1 - Preliminary Design services for both project phases.

MODIFICATION NO. 1: \$83,954.75 (EL000789 - November 6, 2000)

This modification provided funding for Step 2 – Detailed Design services for the project first phase.

MODIFICATION NO. 2: \$89,506.25 (EL001739 - December 5, 2001)

This modification provided funding for Step 3 - Services During Construction for the first phase of project construction.

MODIFICATION NO. 3: \$1,494,934.00 (EL002068 - February 4, 2002)

This modification provided funding for Step 2 – Detailed Design services for the project second phase.

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: \$5,760,122.25

This modification provides \$711,829.75 of additional funding for Step 2 – Detailed Design services for the second project phase. Extensive revision of specifications and drawings that were partially developed and put on hold in September, 2002 was required. This additional work consisted of:

- A. A re-evaluation of sludge digestion process needs.
- B. A change in the type of sludge digestion process utilized for expansion of facilities.
- C. A change in sludge digestion process support systems.
- D. Deletion of electrical improvements that are being accomplished in another project, and other revisions resulting from the impact of other project construction.
- E. Updates to current Division instrumentation and control standards, and other Division and regulatory code standards.
- F. Addition of improvements to the chemical dewatering system and the plant air system.

Step 2 funding also includes estimated costs for preparation and submittal of documents to fulfill regulatory requirements, and assistance with construction bid solicitation and evaluation.

The balance of funding provided by this modification is for performance of Step 3- Services During Construction for the project second phase. Funding is provided for Technical and Field Services, and Construction Management.

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 work was anticipated and explained in the original contract legislation.

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 continuation of the existing work of the contract. It is not deemed either feasible or reasonable to suspend work with the entity currently under contract, and undertake continuation of the work under a new procurement. 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	\$1,213,977.00
Modification No. 1	\$ 83,954.75
Modification No. 2	\$ 89,506.25
Modification No. 3	\$1,494,934.00
Proposed Modification No. 4	\$5,760,122.25
Anticipated future needs	\$ 0.00
CURRENT PROPOSED TOTAL	\$8,642,494.25