

**Information to be included in all Legislation Modifying a Contract:**

**1. The names, location by City/State and status of all companies submitting a competitive bid or submitting an RFP or RFSQ for the original contract.**

<b><u>Name</u></b>	<b><u>City/State</u></b>	<b><u>Majority/MBE/FBE</u></b>
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Companies submitting an RFSQ:

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

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

R. D. Zande & Associates, Inc., 1500 Lake Shore Drive, Columbus, Ohio 43204 (now acquired by Stantec Consulting Services, Inc. and so referred to hereafter)  
Contact: Michael Brewster, P.E., (614) 486-4383  
Contract No.: EL900074

**3. 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 professional services contract with Stantec Consulting Services, Inc. will provide engineering design services and services during construction for the Southerly Wastewater Treatment Plant Digester Rehabilitation project, Project 650353. Project improvements are being accomplished in two phases. The initial phase provides 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. The actual emplacement of the designed work is by construction contract; this DP contract will provide: preliminary design, detailed design, bidding assistance, construction-phase engineering, start-up and commissioning assistance, record documentatin preparation assistance, and other services for this large project, as directed by 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, Contract S66, are presently being performed. The proposed contract modification will

provided needed additional and extended Services During Construction tasks for Contract S66.

**4. An updated contract timeline to contract completion.**

A Notice to Proceed for the Preliminary Design (Step 1) work was issued on March 22, 1999. Stantec Consulting Services, 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, Stantec 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 occurred on August 23, 2002.

On February 4, 2002, Stantec was directed to proceed with detailed design services (Step 2) for the second project phase. Stantec proceeded with development of specifications and drawings for bidding the second phase construction contract, Contract S66. 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 was completed and bids were opened on September 21, 2005. . The construction contract was awarded and the Notice to Proceed was issued on March 20, 2006. The construction was required to be completed 27 months after issuance of a Notice To Proceed. Stantec'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.

**5. 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.

MODIFICATION NO. 4: \$5,760,122.25 (EL005899 – March 23, 2006)

This modification provided additional funding for Step 2 – Detailed Design services for the second project phase and funding for the performance of Step 3- Services During Construction for the project second phase.

**6. 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. 5: \$972,976.00

This modification provides \$972,976.00 of funding for added and extended Services During Construction tasks for **Contract S66**. The additional work includes:

- A. Additional costs associated with additional construction time due to City directed changes and due to Contractor's delays.
- B. Additional work due to Acid Phase Digesters Mixing System changes.
- C. Design for Thickened Primary Sludge Piping Replacement.
- D. Additional meetings due to sludge and lime deposits in the existing digester tanks.
- E. Design, preparation, review and processing of RFP documents for change in PLC manufacturer, gas monitoring, OIT changes, emergency repair of the incinerator busduct, additional sludge sampling points, new kitchenette for SCB Lunchroom, radio paging system addition and the enhancement of yard piping for sludge spill mitigation.
- F. Design and review of submittal drawings for changes in Tunnels G and J to accommodate wet weather contract requirements.
- G. Preparation of an RFP document for the HMI Programming.
- H. Incorporate changes to HMI/PLC programming to coordinate with Professional Program Management standards.
- I. Additional review, beyond normal requirements, of the construction contractor's submittals.
- J. Additional observing, testing and verifying of the construction contractor's compliance to the special coatings specifications.
- K. Provide direction to Contractor for Electrical and Instrumentation and Control (I&C) start-up.
- L. Addition of subconsultants to perform training and provide process expertise.

**7. 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.)**

For services during construction of Contract S66, the number of man-hours expended to review and approve submitted documents, resolve needed changes to the construction work, and discern and address the construction contractor's compliance to specifications was greater than the number of man-hours estimated to be needed and funded in the contract. Additional efforts were necessary to incorporate changes required to address project components for compliance with the wet weather management program initiated after the start of construction. The additional effort needed was due to issues that arose in the course of construction, and an 11 month extension of construction beyond the original schedule is required. The additional work and extended duration of construction were primarily due to additions to the construction contract work, electrical improvement modifications, emergency eyewash modifications, process pipe layout revisions, boiler room louver modifications, and biogas foam separator code modifications.

In many construction projects, especially a project that includes rehabilitation of existing facilities, changes to construction are anticipated and expected. In general, reasons for additional work can include: 1) details of equipment and systems specified to be provided are reviewed and sometimes refined during construction in order to provide a facility that is optimally configured for operation and safety; 2) components of the existing facility are concealed and conditions cannot be accurately determined prior to construction work; 3) latent errors or omissions may exist in the design.

**8. 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.

**9. 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
Modification No. 4	\$5,760,122.25
Proposed Modification No. 5	\$ 972,976.00
Anticipated future needs	\$ 0.00
CURRENT PROPOSED TOTAL	\$9,615,470.25

**10. 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. The estimate of the quantity of labor required to provide the scope of services for this modification is consistent with the anticipated level of work required for these tasks.

**11. Sub-Consultants identified to work on this contract:**

The following Sub-Consultants have been identified by the Design Professional:

- A. Malcolm Pirnie, Inc., Columbus, OH
- B. Dr. Haug, Torrance, CA
- C. Dr. Sambhunath Ghosh dba Enviroenergetics, Salt Lake City, UT
- D. Resource International, Westerville, OH
- E. Ribway Engineering Group, Columbus, OH
- F. Emilcott/DGA, Westerville, OH
- G. Fuller, Mossbarger, Scott and May, Columbus, OH
- H. Bruner Corporation, Hilliard, OH
- I. UTI Corporation, West Jefferson, OH
- J. Prime Engineering & Architecture, Inc., Columbus, OH
- K. O.A. Spencer AIA, Columbus, OH
- L. H. R. Gray, Columbus, OH
- M. Resource One, Columbus, OH
- N. SCADA-Tech LLC, Reynoldsburg, OH
- O. Donahue Ideas, LLC, Columbus, OH
- P. K. S. Murchison Co., Columbus, OH
- Q. 360water, Inc., Columbus, OH
- R. CH2M Hill, Columbus, OH

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.

06-24-08