

**INFORMATION REQUIRED TO ACCOMPANY  
LEGISLATION MODIFYING CONTRACTS**

**ORDINANCE NO. xxxx-2006**

**MODIFICATION NO. 8 TO CONTRACT FOR  
PROFESSIONAL SERVICES**

**JACKSON PIKE WASTEWATER TREATMENT PLANT  
SLUDGE HANDLING AND DEWATERING IMPROVEMENTS  
PROJECT NO. 650246**

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

Companies submitting an RFSQ:

- A. BBS Corporation
- B. Black and Veatch
- C. Dodson Stilson, Inc.
- D. Metcalf & Eddy
- E. ms consultants, inc.

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

- A. BBS Corporation
- B. Dodson Stilson, Inc.
- C. Metcalf & Eddy

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

- A. BBS Corporation, Columbus, Ohio
- B. Black and Veatch, Cincinnati, Ohio
- C. Dodson Stilson, Inc., Columbus, Ohio
- D. Metcalf & Eddy, Columbus, Ohio
- E. ms consultants, 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. BBS Corporation, a Majority enterprise
- B. Black and Veatch, a Majority enterprise
- C. Dodson Stilson, Inc., a Majority enterprise
- D. Metcalf & Eddy, a Majority enterprise
- E. ms consultants, inc., a Majority enterprise

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

Dodson Stilson, Inc., 6121 Huntley Road, Columbus, Ohio 43229, CT19521 (7/17/98)

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**

The Contract with Dodson Stilson, Inc. provides engineering services for the Jackson Pike Wastewater Treatment Plant Sludge Handling and Dewatering Improvements, Project No. 650246. Project improvements were initially determined to be built under three separately bid construction contracts. The construction contract designations and purpose are:

Contract J199 – Selective Demolition of Sludge Conditioning Building -

Provides the preparation of the Sludge Conditioning Building (SCD) for the installation of the new dewatering centrifuges by removing the existing sludge conditioning equipment and controls.

Contract J201 – Dewatering Centrifuges Replacement and Improvements –

Provides the necessary renovations and reconditioning of the Sludge Conditioning Building for the new high-solids sludge dewatering centrifuges, installation of these centrifuges, the associated chemical storage and feed system, odor control provisions, pumps, piping, valving, and electrical, instrumentation and control equipment.

Contract J206 – Thickening Centrifuges Replacement and Improvements –

Provides the renovation and reconditioning in the Sludge Dewatering Building (SDB) necessary for the installation of the new sludge thickening centrifuges and removal of the existing sludge dewatering centrifuges, controls and ancillary equipment. In addition, this contract provides the installation of the new sludge thickening centrifuges, associated chemical storage and feed system, odor control provisions, pumps, piping, valving, and electrical, instrumentation and control equipment. The existing sludge thickening centrifuges and controls and ancillary equipment located in the Sludge Thickening Building (STB) will be removed.

The engineering services provided by Dodson Stilson, Inc. are being accomplished in three Steps for each of the construction contracts, as follows:

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 project construction of project improvements.

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.

Dodson Stilson, Inc. is performing Technical and Field Project Representation Services for all construction contracts in the project. Construction Management services are being performed by others for Contracts J199, J201, and J206.

#### Engineering Services Progress:

Contract J199 is complete. All engineering services have been completed for this project phase.

Contract J201 – All Preliminary Design and Detailed Design services are complete for this project phase. Services During Construction are being performed. With the construction nearing completion, Dodson Stilson, Inc.'s work will soon be directed to the Services During Construction tasks that follow construction.

Contract J206 – All Preliminary Design and Detailed Design services are complete for this project phase. Services During Construction are being performed. The proposed contract modification provides supplemental funding for these services.

#### **6. An updated contract timeline to contract completion.**

Initial Work for All Contracts The Preliminary Design (Step 1) work was started on July 17, 1998. Dodson Stilson, Inc. proceeded to investigate available process technology, investigate existing facility conditions, and develop a general plan for the project improvements. The investigative efforts, alternatives, general plan and

recommendation for project improvements were summarized in the Detailed Design Memorandum (DDM). A Value Engineering (VE) Study was performed during the week of January 31, 2000. The VE recommendations were reviewed and evaluated by Dodson Stilson, Inc. and a response report was submitted on June 23, 2000. The final version of the DDM, which incorporated the accepted VE recommendations, was submitted to the City on June 30, 2000.

Contract J199, Selective Demolition of Sludge Conditioning Building In February, 2000, Dodson Stilson, Inc. proceeded with Detailed Design services (Step 2) for Contract J199. The design was completed and the construction contract was bid on August 16, 2000. The contract was awarded and the Notice to Proceed was issued on January 17, 2001. Construction was completed in November, 2001.

Contract J201, Dewatering Centrifuges Replacement and Improvements In April, 2000, Dodson Stilson, Inc. proceeded with Detailed Design services (Step 2) for Contract J201. The design was completed and the construction contract was bid on June 27, 2001. The contract was awarded and the Notice to Proceed was issued on November 27, 2001. Construction is expected to be completed in the fall of 2006. Dodson Stilson, Inc. services will continue beyond completion of construction to provide "as-built" record drawings of the constructed facilities, manuals for facility operation and maintenance, and a report on the status of operation of the constructed facilities one year after completion.

Contract J206, Thickening Centrifuges Replacement and Improvements In April, 2002, Dodson Stilson, Inc. proceeded with Detailed Design services (Step 2) for Contract J206. The design was completed and the construction contract was bid on August 27, 2003. The contract was awarded and the Notice to Proceed was issued on August 13, 2004. Construction is currently on-going and is expected to be completed in the summer of 2007. Dodson Stilson, Inc. services will continue beyond completion of construction to provide "as-built" record drawings of the constructed facilities, 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: \$1,721,877.31 (CT19521 July 17, 1998)

Funding provided for Preliminary Design (Step 1) services for all project contracts and Detailed Design (Step 2) services for Contract J199.

MODIFICATION NO. 1: \$2,975,329.52 (EL000063 January 28, 2000)

Funding provided for Detailed Design (Step 2) services for Contracts J201 and J206, Detailed Design (Step 2) services for added tasks for Contract J199, and Services During Construction (Step 3) estimated to be needed for Contract J199.

MODIFICATION NO. 2: \$0.00 (No Purchase Order January 9, 2001)

This modification added contract provisions in accordance with WPCLF Loan requirements. No additional funding was needed.

MODIFICATION NO. 3: \$6,249.79 (EL001736 November 28, 2001)

Funding provided for Detailed Design (Step 2) added tasks for Contract J201.

MODIFICATION NO. 4: \$1,078,897.63 (EL001737 November 28, 2001)

Funding provided for Services During Construction (Step 3) tasks estimated to be needed for Contract J201.

MODIFICATION NO. 5:\$162,890.90 (EL003837 December 29, 2003)

Funding provided for additional Detailed Design (Step 2) tasks for Contracts J199, J201, and J206 and Services During Construction (Step 3) added tasks for Contract J201.

MODIFICATION NO. 6:\$1,216,991.65 (EL004207 April 19, 2004)

Funding provided for Detailed Design (Step 2) added tasks for Contract J206, additional Services During Construction (Step 3) tasks for Contract J201, and Services During Construction (Step 3) tasks estimated to be needed for Contract J206.

MODIFICATION NO. 7:\$218,432.60 (EL005297 May 10, 2005)

Funding provided for additional Services During Construction (Step 3) tasks for Contract J201.

**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. 8: \$467,063.10

This modification provides funding for added and extended Services During Construction tasks for Contract J206. The additional work includes:

- A. Extended duration of technical and field project representation services during construction than was estimated and funded in Modification No. 6.
- B. Review, develop and document changes or additions to the construction work that are needed.
- C. General Project administration.

- D. A greater degree of assistance with facility start-up and performance testing than was originally planned.
- E. Training for plant operations personnel on the constructed facilities.
- F. Additional engineering tasks that include investigation of the capacity of the Biofilter for odor control utilization by another project.

**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.)**

For services during construction of Contract J206, the number of man-hours expended to resolve information requests, review and approve submitted documents, resolve needed changes to the construction work, discern and address the construction contractor compliance to specifications, and complete facility start-up was greater than the number of man-hours estimated to be needed and funded in the contract. The additional effort needed was due to issues that arose in course of construction, and a 9 month extension of construction beyond the original schedule. The additional work and extended duration of construction were primarily due to the modifications required to the structural steel being installed in the SDB Building basement, the installation of electrical equipment to maintain operation during contract specified demolition work, the replacement of struvite incrustated centrate piping, and the replacement of level sensing equipment in Sludge Storage Silos to monitor sludge cake levels.

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.

**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	\$ 1,721,877.31
Modification No. 1	\$ 2,975,329.52
Modification No. 2	\$ 0.00
Modification No. 3	\$ 6,249.79
Modification No. 4	\$ 1,078,897.63
Modification No. 5	\$ 162,890.90
Modification No. 6	\$ 1,216,991.65
Modification No. 7	\$ 218,432.60
Proposed Modification No. 8	\$ 467,063.10
CURRENT PROPOSED TOTAL	\$ 7,847,732.50