

**INFORMATION REQUIRED TO ACCOMPANY
LEGISLATION MODIFYING CONTRACTS**

ORDINANCE NO. xxxx-2006

**MODIFICATION NO. 1 TO CONSTRUCTION CONTRACT
FOR**

**JACKSON PIKE WASTEWATER TREATMENT PLANT
SLUDGE HANDLING AND DEWATERING IMPROVEMENTS
CIP PROJECT NO. 650246, CONTRACT J206
TO**

KOKOSING CONSTRUCTION COMPANY, INC.

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

A. Kokosing Construction Company, Inc.

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

A. Kokosing Construction Company, Inc., 886 McKinley Avenue, Columbus, OH 43222

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

A. Kokosing Construction Company, Inc., a Majority enterprise

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

Kokosing Construction Company, Inc., 886 McKinley Avenue, Columbus, Ohio 43222, EL004409 (7/26/04)

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 construction contract 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 original Contract amount of \$13,101,330.00 included a 10% contingency amount of \$1,191,030.00. Currently, \$866,226.00 of the contingency amount has been committed to additional work (change orders), resulting in a current contract work amount of \$12,776,526.00. The value of contract work completed is \$11,819,212.68, or 93% of the current contract work amount.

6. An updated contract timeline to contract completion.

The Contract Notice to Proceed was issued August 13, 2004. Substantial Completion of construction, defined as completely operational building and process systems, was originally scheduled for September 12, 2006, and is now projected to occur June 18, 2007. Final Completion of construction, defined as all work being complete, was originally scheduled for October 12, 2006, but is now projected to occur on August 1, 2007. Construction is currently on-going. Extension of the duration of the contract has been primarily caused by 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 addition to the items included in this modification, additional needs have been identified. The actual additional cost for these needs is still being determined. It is currently estimated that the amount for these additional needs will be approximately \$1,421,000.00. A future modification to this construction contract will be needed to address these items and that modification is expected to be in 2007.

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: \$13,101,330.00 (EL004409 July 26, 2004)

Funding provided for renovation and reconditioning in the Sludge Dewatering Building necessary for the installation of the new sludge thickening centrifuges, the removal of the existing dewatering and thickening centrifuge equipment and the installation of new sludge thickening centrifuge equipment. The contract includes installation of new technology, high-rate thickening centrifuges, and process ancillary equipment, such as polymer feed, sludge conveyance systems, electrical, instrumentation and control equipment.

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. 1: \$1,398,750.00

The amount requested under this ordinance is \$1,398,750; an amount that is approximately 10.7 % of the original construction cost.

This modification provides funding for additional items of work have been identified as necessary, the cost of which will be greater than the remaining contract contingency amount. The specific work beyond current funding is:

<u>Item No.</u>	<u>Description</u>	<u>COST</u>
RFP-005	Revisions to various piping systems, instrumentation work, and electrical systems; assistance with centrate spill clean-up.	\$83,972.00
RFP-008	Revisions to Waste Activated Sludge piping and Instrumentation components, Centrate Feed Pump motor, centrifuge lubrication system, and thickened sludge hopper material.	\$64,619.00
RFP-009	Revisions to Motor Control Center, electrical conduits, various piping systems and air conditioning equipment for centrifuge VFD panels; structural modifications; replaces PLCs.	\$129,371.00
RFP-012	Relocates electrical transformers	\$60,928.00
RFP-013	Replaces instrumentation equipment and provides for Installation modifications	\$27,860.00
RFP-015	Resolves Contractor's claim	\$1,032,000.00

TOTAL NEEDS FOR THIS MODIFICATION - \$1,398,750.00

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.)**

In any construction project, especially a project for renovation of existing facilities, changes to contract work are expected. Some reasons for additional work include: 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; components of the existing facility are concealed and conditions cannot be accurately determined prior to contract work; latent errors or omissions may exist in the design.

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.

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	\$ 13,101,330.00
Proposed Modification No. 1	\$ 1,398,750.00
Future Anticipated Needs	<u>\$ 1,421,000.00</u>
CURRENT PROPOSED TOTAL	\$ 15,591,080.00