

Modify the Engineering contract with Columbus Consultants Limited for the HCWP High & Low Service Piping Coating

Information to be included in all Legislation authorizing

Entering into Contracts:

Not applicable – this legislation is to modify an Engineering contract.

The names of all companies bidding or submitting an RFP or RFSQ

The location by City and State of all companies bidding or submitting an RFP or RFSQ

The status, Majority, MBE or FBE, of all companies bidding or submitting an RFP or RFSQ

A full description of all work to be performed including a full description of work to be performed during any known phasing of the contract.

A narrative timeline for the contract including a beginning date, beginning and ending dates for known phases of the contract and a projected ending date.

An estimate of the full estimated cost of the Contract including a separate estimate of any and all phases or proposed future contract modifications.

Information to be included in all Legislation Modifying Contracts:

The names of all companies bidding or submitting an RFP or RFSQ for the original contract.
A total of two firms submitted RFP's, Columbus Consultants Limited and KTA-Tator, Inc.

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

- *Columbus Consultants Limited – Columbus, Ohio*
- *KTA-Tator, Inc. – Pittsburgh, Pennsylvania*

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

Both companies are Majority owned.

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

Columbus Consultants Limited, 596 Glenridge Place, Columbus, Ohio, 43214
Original Contract Number: EA025147-002

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.

To date the work completed.

- *Performed an Inspection and Condition Assessment of all areas requiring repair and/or coating.*
- *Performed test patch testing on various materials and prepared Condition Assessment Report.*
- *Prepared technical specifications and drawings.*
- *Performed Bid Phase Activities.*
- *Construction Phase:*
 - *Construction Administration Services*
 - *Inspection Services*

An updated contract timeline to contract completion.

This contract will be concurrent with the construction contract which has a completion date August 5, 2006.

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)

There are no prior Modifications.

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)

Construction Administration Services include:

- *Liaison between Plant Personnel and Contractor.*
- *Progress Meeting Facilitation*
- *Scheduling of critical pump outage between Contractor and Plant Operation.*

Inspection Services include:

- *Process log sheets, environmental monitoring, checking the adequacy of surface preparation, proper mixing of the coating materials, proper coating application methods, measuring final dry film thickness (DFT) of all coats of the system and holiday testing of coating materials applied to areas that may be immersed in liquid. Maintain a Project Daily Log including adequate photographic documentation.*
- *Observe and perform measurements and tests on the paint removal blasting equipment and media, before and during the use of the equipment on the Project. This shall include a blotter test, blast pressure test, ph test, nozzle diameter measurement and chalk test as applicable.*
- *The Field Representative shall be available to assist the City Representative in areas of the project that shall require their specific expertise.*

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.)

The original contract was signed on August 25, 2002, several factors that have contributed to contract modification:

- *Scope changes due to City requesting additional piping to be coated.*
- *City delays Project due to various piping problems; and corrections for approximately 12 months.*
- *Increase in hourly fees for Engineering and Inspection Services.*
- *Duration of Construction Phase has been extended from 30 to 52 weeks.*

Letter from consultant indicates running total by year indicating how current contract funds have been expended. Original contract amount was \$80,960.00 Scope was increased as indicated in the Cost Escalation Calculation table (included below) by incorporating additional piping, pumps and surge valves that were not originally included in the project scope. As the consultant performed evaluations to determine if hazardous materials existed in the existing pipe coating, construction methods were evaluated. It became apparent that containment would be necessary for existing coating removal and it was determined to be prudent to perform abatement of heavy metal laden paint on all piping in containment areas during this project. As the consultant progressed with the initial inspection and recommendation phase of the project a consensus between Tech Support Staff, Plant Staff and the consultant was to incorporate this additional work. These were unforeseeable additions to the project. The additional scope of work caused increases in each of the project phases as indicated in the consultants letter. The consultant has projected the anticipated costs to complete the project based on the contractor's contract duration of an additional 23 weeks. This cost assumes 40 hours per week for the inspector and 72.5 hours of the principal engineer's hours over the next 23 weeks.

$$23 \text{ weeks} \times 40 \text{ hours/week} = 920 \text{ hours} \times \$75/\text{hour} = \$69,000$$

$$72.5 \text{ hours} \times \$82.75/\text{hr} = \$5997.92 \text{ (round up to } \$6000)$$

$$\text{Total requested modification } \$69,000 + \$6000 = \$75,000$$

Note that if the contractor finishes the work prior to the contract completion date, the consultant will only bill for the hours expended to inspect the work.

Cost Escalation Table

Identified Scope Changes:	Specification Development Phase	Increased hours due to additions below
Project Delay:	Mechanical- Removal of Piping & Equipment	
Additional piping & equipment to be	included in New Scope of Work:	(Specification Development)
A PLANT-HIGH SVC:	All small piping (Plant water, pvc, sanitary), copper sample lines	
A PLANT-LOW SVC:	Low Svc Pumps w/piping, High Svc Pumps, surge piping & valves.	
B PLANT-HIGH SVC:	ALL Pumps & associated piping, sump pumps & piping, surge valves/piping,	
	small piping along 48" force main.	

B PLANT-LOW SVC: ALL small piping along walls, water lines @ west end & sample lines.
ALL pumps/assoc. piping (above grating)

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)

We are currently into the construction phase of the project and have completed 35% of the work. The remainder of the construction phase consists of the critical portion dealing with the construction administration and inspection services to complete the project by August 2006. If the remaining Construction Administration and Construction Inspection work was bid at this time, the new consultant would take additional training, familiarity with the operations of the plant, contractor, and specifications which would cause further delays and expense.

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.

At this time it is not anticipated any additional phases or contract modifications will be required for this engineering contract. As with any construction project being performed, it is possible unanticipated conditions may arise which would require a construction contract modification. At this time, the complete estimated cost breakdown is as follows:

<i>Original Contract Amount</i>	<i>\$ 80,960.00</i>
<i>Cost of this Modification</i>	<i>\$ 75,000.00</i>
<i>Total Amount</i>	<i>\$ 155,960.00</i>