

**INFORMATION REQUIRED TO ACCOMPANY
LEGISLATION AUTHORIZING A CONTRACT**

ORDINANCE NO. 2295 - 2006

**MODIFICATION NO. 5 TO CONTRACT FOR
PROFESSIONAL SERVICES**

**JACKSON PIKE WASTEWATER TREATMENT PLANT
NEW HEADWORKS
PROJECT NO. 650252**

**PROCUREMENT BY REQUEST FOR STATEMENT OF QUALIFICATIONS (RFSQ)
PROCESS**

1. **Names, locations, and business status of all entities submitting an RFP or RFSQ for the original contract:**

Companies submitting an RFSQ:

- A. Beling Consultants, 1150 Dublin Road, Columbus, Ohio 43215, Majority
- B. Burgess & Niple, Inc., 5085 Reed Road, Columbus, Ohio 43220, Majority
- C. URS Greiner, 33 North High Street, Columbus, Ohio 43215, Majority

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

- A. Burgess & Niple, Inc.
- B. URS Greiner

2. **Scope of Work to be performed:** The contract with Burgess & Niple provides engineering services for the Jackson Pike Wastewater Treatment Plant New Headworks, Project No. 650252. Project improvements were initially segregated into two phases, and later determined to be built under five separately bid construction contracts. The construction contract designations and purpose are:

Contract J202 – Interim Raw Sewage Pumping Improvements (Phase 1A) – provides for rehabilitating the large raw sewage pumps, installing an extreme wet weather event bypass outfall pipe, increasing flood protection for key plant facilities, and installing a primary settling process effluent connector pipe between the two plant process trains.

Contract J205 – Preliminary Treatment and Reliability Improvements (Phase 1B) provides for installing standby electrical power generation to power the raw sewage pumps and associated equipment in the event of a power outage during an extreme wet weather event, replacing plant influent screening equipment, and installing new grit removal equipment and facilities.

Contract J207 – Aeration Blower Additions (Phase 2A) provides two new aeration blowers; one for each of the plant's two aeration process facilities.

Contract J208 – Berliner Site Decommissioning Phase 2B) provides for demolishing the former Sewer Maintenance yard facilities, the existing Grit Tank facilities, Trucked Waste

Disposal Facility and the grit pad, at Berliner Park. A new Trucked Waste Disposal Facility will be constructed adjacent to the new Renick Run Pump Station. With the demolition of the existing Grit Tank, a replacement section of the Olentangy-Scioto Intercepting Sewer will be provided.

Contract J210 – Raw Sewage Pumps Electrical Upgrades (Phase 2C) provides new motors, electrical equipment, instrumentation and controls for the Raw Sewage Pumps.

The engineering services provided by Burgess & Niple 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 construction of project improvements.

Technical and Field Services generally include providing interpretations and clarifications of the construction documents, responding to contractor's inquiries, reviewing and approving the contractor's submitted documentation, 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, equipment control 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 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.

Burgess & Niple is performing Technical and Field Services for all construction contracts in the project. Construction Management services are being performed by others for Contracts J202, J205 and J207, however, Burgess & Niple may perform Construction Management for Contracts J208 and J210.

Engineering Services Progress:

Contract J202 (Phase 1A) is complete. All engineering services have been completed for this project phase.

Contract J205 (Phase 1B) – All Preliminary Design and Detailed Design services are complete for this project phase. Services During Construction are underway. The proposed contract modification provides supplemental funding for these services.

Contract J207 (Phase 2A) – All Preliminary Design and Detailed Design services are complete for this project phase. Services During Construction are underway. The proposed contract modification provides supplemental funding for these services.

Contract J208 (Phase 2B) – The Preliminary Design is complete; Detailed Design Services are complete and the construction contract is prepared for bidding. A future Contract modification will provide funding for Services During Construction. Those services will include Technical and Field Project Representation Services, and may include Construction Management.

Contract J210 (Phase 2C) – The Preliminary Design is complete; Detailed Design Services will be complete in year 2007 with existing funding. A future Contract modification will provide funding for Services During Construction. Those services will include Technical and Field Project Representation Services, and may include Construction Management.

3. **Schedule to Program completion; "phasing":**

Initial Work – All Phases The Preliminary Design (Step 1) work was started on August 4, 1999. This investigative and planning effort was summarized in two Detailed Design Memorandums (DDM), one for each of the two main project Phases. The project Phase 1 DDM was submitted to the City on December 20, 1999. The project Phase 2 DDM was submitted to the City on February 16, 2001.

Contract J202, Interim Raw Sewage Pumping Improvements (Phase 1A) In February, 2000, Burgess & Niple proceeded with Detailed Design services (Step 2) for Contract J202. The design was completed and the construction contract bids were received on November 15, 2000. The contract was awarded and the Notice to Proceed was issued on April 18, 2001. Construction was completed in June, 2005.

Contract J205, Preliminary Treatment and Reliability Improvements (Phase 1B) In March, 2001, Burgess & Niple proceeded with Detailed Design services (Step 2) for Contract J205. The design was completed and the construction contract bids were received on April 24, 2002. The contract was awarded and the Notice to Proceed was issued on August 15, 2002. Construction is expected to be completed in the spring of 2006. Burgess & Niple 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 J207, Aeration Blower Additions (Phase 2A) In July, 2002, Burgess & Niple proceeded with Detailed Design services (Step 2) for Contract J207. The design was completed and the construction contract bids were received on November 27, 2002. The contract was awarded and the Notice to Proceed was issued on July 16, 2003. Construction is currently on-going and is expected to be completed in 2006. Burgess & Niple 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 J208, Berliner Site De-commissioning (Phase 2B) In March, 2003, Burgess & Niple proceeded with Detailed Design services (Step 2) for Contract J208. The design is

completed and it is anticipated that the contract will be bid in 2006, with award in early 2007. Construction of Contract J208 is anticipated to require approximately two years.

Contract J210, Raw Sewage Pumps Electrical Upgrades (Phase 2C) In March, 2004, Burgess & Niple proceeded with Detailed Design services (Step 2) for Contract J210. The design is in progress and it is anticipated that the contract will be bid in 2007 and awarded in 2008. Construction of Contract J210 is anticipated to require approximately two years.

4. **Estimated Costs over the full contract period:**

ORIGINAL CONTRACT: \$5,878,960.00 (EL900635 July 26, 1999)

Funding provided for Step 1 - Preliminary Design and Step 2 - Detailed Design services for all project phases.

MODIFICATION NO. 1: \$360,494.00 (EL001202 April 5, 2001)

Tasks defined and funding provided for Step 3 - Services During Construction estimated to be needed for Contract J202.

MODIFICATION NO. 2: \$946,327.00 (EL002678 November 4, 2002)

Tasks defined and funding provided for Step 3 - Services During Construction estimated to be needed for Contract J205.

MODIFICATION NO. 3: \$182,805.00 (EL003651 September 10, 2003)

Tasks defined and funding provided for Step 3 - Services During Construction estimated to be needed for Contract J207.

MODIFICATION NO. 4: \$343,075.00 (EL004090 March 2, 2004)

Funding provided for additional Step 3 - Services During Construction tasks for Contract J205.

PROPOSED MODIFICATION NO. 5: \$532,672.00

This modification provides \$382,550.00 of funding for added and extended Services During Construction tasks for **Contract J205**. The additional work includes:

- A. Reviewing and responding to the construction contractor's Requests For Information.
- B. Reviewing and approving the construction contractor's documentation submissions, particularly for the standby electrical power generator controls.
- C. Review, develop and document changes or additions to the construction work that are needed. In particular, a problem with an existing sluice gate at the Rhodes Park facility developed that required investigation and development of electrical and mechanical modifications.
- D. Observing and verifying the construction contractor's compliance to the specifications.

- E. General project administration.
- F. A greater degree of assistance with facility start-up than was originally planned, in particular, assistance with the Grit Removal Facility start-up.
- G. Assistance with the investigation of the Screening equipment failure.

The balance of funding provided by this modification, \$150,122.00, is for added and extended Services During Construction tasks for **Contract J207**. The additional work includes:

- H. Reviewing and responding to the construction contractor's Requests For Information.
- I. Reviewing and approving the construction contractor's documentation submissions.
- J. Observing and verifying the construction contractor's compliance to the specifications.
- K. Attendance at project meetings and general project administration.
- L. Providing classroom training for plant operations personnel.
- M. Assistance with facility start-up.
- N. Attending and evaluating project equipment testing at the factory.
- O. Preparation and submission of a construction permit extension.
- P. Preparation of Standard Operating Procedures manual for the blowers.

This is believed to be the last modification for professional services for these two construction contracts, J205 and J207.

Original Contract	\$ 5,878,960.00
Modification No. 1	\$ 360,494.00
Modification No. 2	\$ 946,327.00
Modification No. 3	\$ 182,805.00
Modification No. 4	\$ 343,075.00
Proposed Modification No. 5	\$ 532,672.00
Future Modification No. 6 (estimated 2007 funding)	\$ 1,419,000.00
Future Modification No. 7 (estimated 2008 funding)	<u>\$ 906,000.00</u>
CURRENT PROPOSED TOTAL	\$10,569,333.00