

City of Lynchburg
Procurement Division
900 Church Street
Lynchburg, Virginia 24504
Telephone No.: (434) 455-3970
Fax No.: (434) 845-0711

**Addendum for Invitation for Bids
Wards Ferry Road Pump Station Renovation**

13-859

Date: 7/25/2013
From: Lisa Moss, Buyer VCA
RE: Addendum No. 1

This Addendum supplements and amends the original Plans and Specifications and shall be taken into account in preparing proposals and shall become a part of the Contract Documents. The Bidder shall indicate receipt of this Addendum and all previously issued Addenda on the Bid Form.

1. Will there be a bypass pump utilized for this project while the pump station is off line.
Bypass pumping is not required.
2. Has anyone had a conversation with any pump suppliers? Is there a concern about the 150 project timeline? If so, will the city be willing to adjust the completion time? ***Prior to contract execution the Contractor will forward to the Owner the equipment supplier's delivery time quote for the longest lead time item. The contract time will be adjusted accordingly plus reasonable time for installation.***
3. Is the site available for further inspection? If so, who do the vendors contact? ***Yes. Contact Richard Eden at 434-455-4264 or richard.eden@lynchburgva.gov***
4. Please clarify the painting specs for this project. It appears that there are specs that do not apply to this specific project. ***Section 099000 – Painting and Protective Coating is a general specification that applies to all painting and coating and is not project specific. Surfaces to receive painting or coating are identified in Note 1 on Drawing C-101 and in Section 099000 Table 1: Pipe Painting System Schedule.***
5. Does the new branch affect the foundation or jib crane? ***The water line presently under construction will be completed before this project starts. The line is approximately 9-feet clear of the excavation for the jib crane.***
6. Does the city want the old equipment that is being removed? What about disposal? What guidelines must be met if contractor is to dispose of equipment? ***All materials or equipment to be removed shall become the property of the Contractor. The Contractor is responsible for disposing of items properly.***

Drawings

7. Drawing C-101. Delete the note, "CONNECT TO EXISTING 12" MJ TEE" and substitute, "REPLACE THE EXISTING BURIED REDUCER WITH A 12 BY 10 MJ REDUCER WITH EBBA 1100 OR 1100 SD RESTRAINTS."
8. Drawing C-101. Delete the note, "CONNECT TO EXISTING 10" PIPE" and substitute, "REPLACE THE EXISTING BURIED REDUCER WITH A 10 BY 8 MJ REDUCER WITH EBBA 1100 OR 1100SD RESTRAINTS."

Specifications

9. **Section 412213 – Bridge Cranes and Monorails, Underhung, Hand Operated. Delete in entirety and substitute the following Section 412213 – Jib Crane and Monorail – Hand Operated.**

SECTION 412213 - JIB CRANE AND MONORAIL, HAND OPERATED

GENERAL

REQUIREMENTS

The requirements for the steel used in the construction of the jib crane supporting structure are specified in Section 055000 Metal Fabrications.

DEFINITIONS

Jib Crane: that part of an overhead crane system consisting of column (mast) and monorail which carries the trolley.

Dead Loads: The loads on a structure which remain in a fixed position relative to the structure.

Monorail: The principal horizontal beam of the jib crane. It is supported by the column. The monorail supports the trolley mounted hoist.

Live Load: A load which moves relative to the structure under consideration.

Rated Load: For the purpose of this specification the rated load is defined as the maximum working load suspended under the load hook.

Standard Commercial Cataloged Product: A product which is currently being sold, or previously has been sold, in substantial quantities to the general public, industry or Government in the course of normal business operations. Models, samples, prototypes or experimental units do not meet this definition. The term "cataloged" as specified in this section is defined as "appearing" on the manufacturer's published product data sheets. These data sheets must have been published or copyrighted prior to the issue date of this solicitation and have a document identification number or bulletin number.

Trolley Mounted Hoist: A combined unit consisting of a wheeled trolley that provides horizontal motion along the monorail, and a hoist suspended from the trolley that provides lifting and lowering of a freely suspended load.

VERIFICATION OF DIMENSIONS

The Contractor is responsible for the coordination and proper relation of his work to the building structure and to the work of all trades. Verify all dimensions of the building that relate to fabrication of the crane before finalizing the crane order.

ACTION SUBMITTALS

Product Data: trolley and hoist.

Shop Drawings: Hand operated jib crane and monorail.

Test Reports: Post-erection inspection, operational tests, no-load test, load tests

Operation and Maintenance Data: Hand operated crane and monorail; trolley mounted hoist.

QUALITY ASSURANCE

Manufacturer Qualification: Crane system, including sub-system components manufactured by vendors, must be designed and manufactured by a company with a minimum of 10 years of specialized experience in designing and manufacturing the type of overhead crane required to meet requirements of the Contract Documents.

Pre-Delivery Inspections: Contractor is responsible for performance of quality control inspections, testing and documentation of jib and trolley.

Drawings: Submit shop drawings showing the general arrangement of all components in plan, elevation, and end views, clearances and principal dimensions and assemblies of trolley and bridges. Include weights of components. Provide maximum loading at the base of the jib mast.

Design Data: Load and Sizing Calculations: Submit calculations reviewed verifying the sizing of the jib and monorail.

Welding Qualifications and Procedures: Welding must be in accordance with qualified procedures using AWS D14.1/D14.1M as modified. Written welding procedures must specify the Contractor's standard dimensional tolerances for deviation from camber and sweep and not exceed those specified in AWS D14.1/D14.1M and CMAA 74. Welders and welding operators must be qualified in accordance with AWS D1.1/D1.1M or AWS D14.1/D14.1M. Allowable stress values must comply with CMAA 74.

CRANE SAFETY

Comply with the mandatory and advisory safety requirements of ASME B30.10, and NFPA 70.

PRODUCTS

JIB CRANE SYSTEM

Provide hand operated jib crane by Gorbelt or approved equal conforming to CMAA 74, Class C (Moderate Service) for indoor service, ASME B30.2, with a crane span as indicated. The crane must operate in the spaces and within the loading conditions indicated. Provide manually operated chain hoist, Harrington Model M3CB or approved equal conforming to ASME B30.16. Submit operations and maintenance data, including recommended maintenance items on a weekly, monthly, semi-annual, and annual basis.

Capacity: Provide cranes with a minimum 1- ½ ton working load capacity.

The hand chain manually operated chain hoists shall be equipped with a dry Weston type mechanical load brake that incorporates two redundant pawls, four braking surfaces, and non-asbestos brake pads that resist humidity and moisture. The brake shall be totally enclosed for protection from impact, dirt, and moisture.

The hand chain manually operated chain hoists shall be equipped with hooks that are drop forged from carbon steel, and which are designed for ductile mode failure upon overload. The hooks shall have measurement nubs to facilitate inspection measurements. The hooks shall be

equipped with spring loaded latch type throat closures. The bottom hook shall be designed for 360 degree swivel.

The hand chain manually operated chain hoists shall be equipped with a slip-clutch device that prevents the hoist from being used to lift damaging loads beyond rated capacity.

Jib Crane and Monorail: Crane and monorail designs are indicated. Proprietary or alternate items may be substituted providing that their design will sustain the indicated capacity and fits within the same clearance envelope. Submit calculations for proprietary or alternate items.

Crane Safety: Comply with the mandatory and advisory safety requirements of ASME B30.2, ASME B30.16, ASME HST-2M, JISB 8802, CMAA 74, 29 CFR 1910.147, 19 CFR 1910.179, 29 CFR 1910.306, and all applicable provisions of 29 CFR 1910.

STRUCTURAL REQUIREMENTS

Structural requirements must be in accordance with CMAA 70, Section 3.

MECHANICAL EQUIPMENT

Provide steel shafts, keys, and couplings. All bearings, except those subject only to small rocker motion, must be anti-friction type.

CRANE PAINTING

Provide primer and finish coat. Finish coat shall be brilliant yellow. Coat faying surfaces of bolted connections per AISC 325, but do not apply finish paint.

IDENTIFICATION PLATES

Furnish and install identification plates. Provide non-corrosive metal identification plates with clearly legible permanent lettering giving the manufacturer's name, model number, serial number, capacity pound units, and other essential information or identification.

EXECUTION

ERECTION AND INSTALLATION

Erect and install the crane and monorail, complete in accordance with the approved submittals and in condition to perform the operational and acceptance tests.

ERECTION SERVICES

The crane manufacturer must provide supervisory erection services.

FIELD QUALITY CONTROL

Post-Erection Inspection: After erection, the Contractor and Owner shall jointly inspect the jib crane and hoist systems and components to determine compliance with specifications and

approved submittals. Notify the Owner 3 days before the inspection. Provide a report of the inspection indicating the crane is considered ready for operational tests.

Operational Tests: Check the clearance envelope of the entire crane prior to picking or traversing any load to ensure there are no obstructions. Test the systems in service to determine that each component of the system operates as specified, is properly installed and adjusted, and is free from defects in material, manufacture, installation, and workmanship. Rectify all deficiencies disclosed by testing and retest the system or component to prove the crane is operational. The Contractor must furnish test loads, operating personnel, instruments, and other apparatus necessary to conduct field tests on each crane.

Test Data: Record test data on appropriate test record forms suitable for retention for the life of the crane.

No-Load Test: Operate the jib, trolley and hoist in each direction the full distance between end stops. Assure that the trolley and crane may be moved by hand with ordinary effort.

Load Tests: Perform the following tests, as specified, with test loads of 100 percent (plus 0 minus 10) of rated load.

Jib Crane, Trolley and Hoist: Apply a test load of 100 percent of rated load on the trolley in 50% increments with the trolley located at the outer edge of the span and measure deflection, comparing with predicted deflection. Check for any binding of the bridge end trucks. Operate the hoist by lifting the load to the highest extent permitted by the equipment. Record deficiencies. Secure from testing if deficiencies are found.

END OF SECTION 412213

Company Name: _____ *Address:* _____ *Date:* _____

Authorized Signature: _____ *Title:* _____

Print Name: _____ *Telephone No.:* _____

Fax No.: _____