



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Solicitation

NUMBER
DCH14040

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
EVELYN MELTON 304-558-7023

RFQ COPY

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DIVISION OF CULTURE & HISTORY
 CULTURAL CENTER
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0300 558-0220

DATE PRINTED
04/14/2014

BID OPENING DATE: 04/22/2014

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 3		
				ADDENDUM ISSUED;		
				1. TO PROVIDE RESPONSES TO ADDITIONAL QUESTIONS RECEIVED REGARDING THE ABOVE SOLICITATION.		
				2. TO PROVIDE ADDENDUM ACKNOWLEDGMENT. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN THE DISQUALIFICATION OF YOUR BID.		
				END OF ADDENDUM NO. 3		
0001	1	LS	906-38	LABOR, MATERIALS, EQUIPMENTS & TRANSPORTATION		
				***** THIS IS THE END OF RFQ DCH14040 ***** TOTAL:		

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

SOLICITATION NUMBER: DCH14040
Addendum Number: 3

The purpose of this addendum is to modify the solicitation identified as (“Solicitation”) to reflect the change(s) identified and described below.

Applicable Addendum Category:

- | Modify bid opening date and time
- | Modify specifications of product or service being sought
- | Attachment of vendor questions and responses
- | Attachment of pre-bid sign-in sheet
- | Correction of error
- | Other

Description of Modification to Solicitation:

1. To provide responses to Vendors' questions.
2. To provide Addendum Acknowledgement.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

**ADDENDUM NO. 3
QUESTION AND ANSWER – DCH14040**

1. Division 22 - Plumbing

C. 22 1500 - General Services Compressed air systems

Drawing PL1.00 identifies (7) items in the key notes including a compressor, air dryer, oil/water filter and a condensate pump. 22 1500 is identified as having 3 pages but is not contained in the specifications. Are these items going to be provided by the owner and the contractor only supply and install the piping ?

ANSWER: Contractor is to provide it all. Compressor, air dryer, pump piping etc.. See the attached specifications section.

2. Preference for compressed air piping

During the prebid it was stated that flex hose could be used. The specifications state that black iron threaded pipe is to be used,. Please clarify.

ANSWER: Iron pipe is specified, bid per spec. (See also answer on ADDENDUM No. 1)

3. Can a sizzor lift be used on this project?

ANSWER: Yes a lift can be used but the floor must be protected at all times the General Contractor will be responsible for the floor if it is tore up.

4. Will work be allowed after normal operating hours and/ or week ends ? Or will the work have to be conducted during normal business hours?

ANSWER: All work hours will be during normal Operating Hours.

5. What type of connections are required from the piping to the animatronics and at what elevation will they need to be?

ANSWER: Refer to referenced Design Drawings in 11 x 17 format for general locations of animatronics. Hard pipe should come as close as possible while staying out of sight, then flex concealed to the animatronic allow some flexibility for art direction/placement of animatronic in field. Need a valve at each animatronic drop.

6. It appears that the condensing unit will not physically fit at the location specified. Where would the next best location be?

ANSWER: Assume it will be located near the location shown.

7. This is identified as a phase 2. How many phases are there? This question is ask to see if there may be different types of terminations made to minimize work for future additions.

ANSWER: This is the only phase to be concerned about currently. Not requesting specific work to set up any future work other than what is indicated in the documents.

SECTION 22 1500

GENERAL SERVICE COMPRESSED AIR SYSTEMS

PART 1 GENERAL

1.01 SUMMARY

- A. Provide all compressed air materials for, or incidental to, installation of complete compressed air system, as required by drawings and these specifications. Section includes, but is not necessarily limited to:
 - 1. Air compressor package (compressor, filters, and air dryer)
 - 2. Piping systems from air compressor to animatronics requiring compressed air.
 - 3. Flushing, Cleaning and Disinfecting
 - 4. Testing

1.02 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Field quality-control test reports.
- C. Operation and maintenance data.

1.03 QUALITY ASSURANCE

- A. Applicable codes and standards.

PART 2 PRODUCTS

2.01 AIR COMPRESSOR

- A. Ingersoll-Rand Two Stage Reciprocating Air Compressor
 - 1. Model: 2475N7.5-3P
 - 2. Electrics: 208/3/60
 - 3. Include compressor, 7.5hp motor, 80 gallon vertical tank, with a starter mounted and wired
- B. Ingersoll-Rand Refrigerated Air Dryer
 - 1. Model: D54IN
- C. Coalescing Filter
 - 1. Model: F71iH
- D. General Purpose Filter
 - 1. Model: F71IG
- E. PolySep Oil/Water Separator
 - 1. Model: PS-7
- F. Regulator
 - 1. Model: R37461-100

2.02 COMPRESSED AIR PIPING

- A. Interior Air Piping:
 - 1. Black iron steel pipe.
 - a. Pipe weight: Schedule 40.
 - b. Fittings: Class 125 cast-iron threaded.

2.03 VALVES

- A. Ball
 - 1. All valves installed in compressed air piping shall be ball valves.

2. Ball Valves - 2-piece body, 600 psi CWP, 150 psi SWP, Cast Bronze body, full port, teflon seats, blowout-proof stem, adjustable packing gland, chrome plated bronze ball, with screwed ends, and vinyl-covered steel handle. Provide solder ends for domestic hot and cold water service; threaded ends for heating hot water condenser water, chilled water and low pressure steam. Provide extended valve stems for valves used on insulated lines. Provide equal to Nibco Series 585-70-NS.

- B. Manufacturers
 1. Nibco
 2. Milwaukee
 3. Watts
 4. Apollo

PART 3 EXECUTION

3.01 GENERAL

- A. Appropriate compression shutoff valve and ground joint unions shall be used at each fixture and piece of equipment to facilitate removal of equipment.
- B. Adapters used for screwed valves and any connection to steel shall be insulated to prevent electrolysis.
- C. Use dielectric unions where dissimilar metals are joined together.

3.02 INSTALLATION

- A. Locate group of pipes parallel to each other, spaced to permit servicing of valves. Branch takeoffs shall be off of the top of the main, main shall be sloped back towards compressor or shall be provided with a drip leg and clean out.
- B. Shutoff Valves: Install on inlet of each mechanical equipment item and hose outlet.
- C. Outlets unless otherwise noted, shall be turn down the wall to 3' above floor finish. Provide terminal with valve and quick connect fitting. Coordinate fitting with owner.

3.03 TESTING

- A. Provide temporary equipment for testing, including pump and gages. Subject entire piping systems to leak tests, either as a whole, or in sections; but leave no part untested.
- B. Fill piping systems with air, and pressurize at 150% of operating pressure, (but not less than 150 psi) for 2 hours. Test fails if leakage is observed, or pressure drop exceeds 5% of test pressure.
- C. Notify Architect/Engineer at least 24 hours before performing leak test.
- D. Repair piping systems which fail required piping test, by disassembly and re-installation, using new materials to extent required to overcome leakage. Do not use chemicals, stop-leak compounds, mastics, or other temporary repair methods.

3.04 FLUSHING AND CLEANING

- A. Clean and flush system of all dirt, metal chips, sand, and foreign matter. After flushing remove, clean, and replace all strainer baskets or screens. Inspect each run of each system for completion of joints, supports, accessory items, and obvious leaks.

3.05 PIPING INSTALLATION

- A. Basic piping installation requirements are specified in Division 22 Section "Common Work Results for Plumbing."

3.06 CONNECTIONS

- A. Connect piping system to animatronics per manufacturer's instructions. Install shutoff valve at each unit.

END OF SECTION

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DCH14040

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor’s representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company

Authorized Signature

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012