



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

Solicitation

NUMBER
GSD146406

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
GUY NISBET 304-558-2596

RFQ COPY

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DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 JOBSITE
 SEE SPECIFICATIONS

304-558-2317

DATE PRINTED
02/12/2014

BID OPENING DATE: 02/25/2014

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO.04		
				ADDENDUM FOR THE RENOVATIONS TO THE WEST VIRGINIA VETERANS MEMORIAL LOCATED IN CHARLESTON, WEST VIRGINIA AT THE CAPITOL COMPLEX ISSUED TO DISTRIBUTE THE ATTACHED INFORMATION TO THE VENDOR COMMUNITY.		
0001	1	LS		968-42		
				RENOVATIONS TO WV VETERANS MEMORIAL		
***** THIS IS THE END OF RFQ GSD146406 ***** 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: GSD146406
 Addendum Number: No.04

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:

Addendum issued to publish and distribute the following information to the vendor community.

1. Amend Specifications section: 15495
2. Addition of vendor questions and Agency responses
3. Revised Bid Form
4. Revise Price and Payment Procedures Section: 01200
5. Move Bid Opening date from: February 20, 2014 at 1:30 PM. EST.
to: February 25, 2014 at 1:30 PM. EST.
6. No other changes.

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

SECTION 15495

REFLECTING POND EQUIPMENT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Pipe and Pipe Fittings, Valves, Strainers.
- B. Pool Equipment.
- C. Circulators and Pumps.
- D. Pool Water Treatment Systems.

1.02 RELATED REQUIREMENTS

- A. Section 15065 - Motors for Mechanical Equipment.
- B. Section 16155 - Equipment Wiring: Electrical characteristics and wiring connections.

1.03 REFERENCE STANDARDS

- A. ASME A112.19.8M - Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs; 2007.
- B. ASME A112.19.17 - Manufactured Safety Vacuum Release Systems (SRVS) for Residential and Commercial Swimming Pool, Spa, Hot Tub, and Wading Pool; 2010.
- C. ASME B16.22 - Wrought Copper and Copper Alloy Solder Joint Pressure Fittings; The American Society of Mechanical Engineers; 2001 (R2010).
- D. ASME (BPV VIII, 1) - Boiler and Pressure Vessel Code, Section VIII, Division 1 - Rules for Construction of Pressure Vessels; The American Society of Mechanical Engineers; 2010.
- E. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2008.
- F. ASTM B32 - Standard Specification for Solder Metal; 2008.
- G. ASTM B88 - Standard Specification for Seamless Copper Water Tube; 2009.
- H. ASTM B88M - Standard Specification for Seamless Copper Water Tube (Metric); 2005 (Reapproved 2011).
- I. ASTM D1785 - Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120; 2012.
- J. ASTM D2467 - Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80; 2006.
- K. ASTM D2855 - Standard Practice for Making Solvent-Cemented Joints with Poly(Vinyl Chloride) (PVC) Pipe and Fittings; 1996 (Reapproved 2010).
- L. AWS A5.8/A5.8M - Specification for Filler Metals for Brazing and Braze Welding;

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American Welding Society; 2011 and errata.

- M. NSF 50 - Circulation System Components and Related Materials for Swimming Pools, Spas/Hot Tubs; NSF International; 2011.
- N. UL 1081 - Swimming Pool Pumps, Filters, and Chlorinators; Underwriters Laboratories Inc.; Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01300 - Administrative Requirements for submittal procedures.
- B. Product Data:
 - 1. Include data on pipe materials, pipe fittings, valves and accessories.
 - 2. Include component sizes, rough-in requirements, service sizes, and finishes.
 - 3. Include product description, model, dimensions, component sizes, rough-in requirements, service sizes, and finishes.
 - 4. Provide electrical characteristics and connection requirements.
- C. Warranty: Submit manufacturer warranty and ensure forms have been completed in WV-General Services's name and registered with manufacturer.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

1.06 REGULATORY REQUIREMENTS

- A. Conform to applicable code for installation of swimming pool systems.
- B. Perform work in accordance with local health department regulations.
- C. Provide certificate of compliance from authority having jurisdiction indicating approval of installation.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Accept equipment on site in shipping containers with labeling in place. Inspect for damage.
- B. Protect equipment from damage and elements by maintaining shipping packaging in place until installation. Maintain temporary inlet and outlet caps in place until installation.

1.08 WARRANTY

- A. See Section 01780 - Closeout Submittals, for additional warranty requirements.
- B. Provide five year manufacturer warranty for water heaters.

PART 2 PRODUCTS

2.01 PIPE AND FITTINGS

- A. Copper Tube: ASTM B88 (ASTM B88M), Type K (A), drawn.
 - 1. Fittings: ASME B16.22, wrought copper.

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2. Joints: ASTM B32, solder, Grade Sn95.
- B. PVC Pipe: ASTM D1785, Schedule 80.
 1. Fittings: ASTM D2467, PVC.
 2. Joints: ASTM D2855, solvent weld.

2.02 POOL PUMPS

- A. Manufacturers:
 1. Hayward Pool Products, Inc: www.haywardpool.com.
 2. Pentair, Inc: www.pentair.com.
- B. NSF Listing: Provide products that are NSF listed under NSF 50.
- C. Type: UL 1081, horizontal shaft, single stage, direct connected, with motor, oil lubricated, with casing, integral hair and lint strainer, renewable wear ring, impeller, mechanical seal.

2.03 POOL FITTINGS AND EQUIPMENT

- A. Manufacturers:
 1. Hayward Pool Products, Inc: www.haywardpool.com.
 2. Pentair, Inc: www.pentair.com.
- B. NSF Listing: Provide products that are NSF listed under NSF 50.
- C. Main Drain:
 1. Grate Style: Paddock Stainless Steel Main Drain Cover 2020-PCDC.

2.04 COMMERCIAL FILTERS

- A. Manufacturers:
 1. Hayward Pool Products, Inc: www.haywardpool.com.
 2. Pentair, Inc: www.pentair.com.
- B. NSF Listing: Provide products that are NSF listed under NSF 50.
- C. Filter Media: Sand.
 1. Sand Medium: Hard, durable grains of rounded or sub-angular silica sand, maximum 1 percent flat or micaceous particles, effective size of 0.17 inch and uniformity coefficient of 1.35.
- D. Tank: Fiberglass reinforced tank with mounting base.
- E. Internal Distribution System: Fabricated of thermoplastic extrusions and moldings with basket type upper distributor and underdrain consisting of slotted moldings extending radially from central standpipe.
- F. Multi-Position Valve: Construct of corrosion-resistant and corrosion-proof materials with control handle that registers six positions; Filter, Backwash, Whirlpool, Drain, Test, Rinse and Winterize.

2.05 POOL WATER TREATMENT (CHLORINE INJECTION)

- A. Manufacturers:
 1. Prominent.

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2. Substitutions: See Section 01600 - Product Requirements. Substitutions may be made during bidding w/ acceptance by addendum.
- B. Regulator: DCM – 200. Continuously monitor pH and chlorine levels and control chemical feed pumps. Maintain PH of 7.5 and free chlorine residual of 0.9 ppm. Mount regulator in surface mounted general purpose enclosure of fiberglass construction and incorporate:
1. On/off switch.
 2. Green light to indicate regulator is energized.
 3. Toggle switches for chemical feed pumps, with off, manual, and automatic positions.
 4. Lights to indicate pump operation.
 5. Red lights for abnormal conditions.
 6. Interlock to prevent chlorine feed when pH is abnormal.
 7. Digital display of pH and chlorine levels.
 8. Calibration controls for pH and chlorine.
- C. Sensors: Electrode with coaxial cable for attachment to regulator.
- D. Flow Switch: Shuts down controller on no flow through sampling line.
- E. Liquid Chlorinator: System consisting of two tanks with two injector pumps to feed liquid chlorine (bleach) and muriatic acid.
1. Stenner 45M5 Solution Metering Pumps
 2. Substitutions: See Section 01600 - Product Requirements. Substitutions may be made during bidding w/ acceptance by addendum.
 3. Solution Metering Pump: Up to 45 Gallons per day, 120 Volts AC, Peristaltic type with mechanically adjustable flow rate, thermoplastic construction, continuous-duty fully enclosed electric motor and drive, and injection fitting with isolation valving. Electrically or electronically variable flow adjustment are not acceptable
 4. Solution Tanks: 30 gallon capacity, polyethylene, self-supporting, one gallon graduated markings; molded fiberglass cover with recess for mounting pump and liquid level switch, and direct reading scale.
 5. System shall be installed and started by factory authorized installation and start-up technician. Contractor shall provide minimum 4 hour training by factory authorized personnel for the fountain operations staff on the proper use and control of the controller and chemical feed pumps. Training shall occur after startup and acceptance of complete system by the design engineer. Attendance sheets shall be taken and provided to the owner as part of the contract documents.

2.06 POOL WATER TREATMENT (Ultraviolet Disinfection)

- A. Manufacturers:
1. Prominent.
 2. Substitutions: See Section 01600 - Product Requirements. Substitutions may be made during bidding w/ acceptance by addendum.
 3. UV disinfection system, horizontal mount, 130Watt with 2" NPT connections.

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Prominent 130W/11/2 is basis of design, with limited space availability for installation. Request for substituted units must prove dimensional and piping compatibility.

4. Provide buck transformer for power for 230V to neutral as part of equipment package, including housing.
5. UV will operate on a 35GPM sidestream, with isolation valving.

PART 3 EXECUTION

3.01 INSTALLATION

- A. The filter room pool piping, equipment, etc is essentially a complete demo and replace. The piping will be re-configured as indicated on the drawings. The filtration system installation will be coordinated with all other trades prior to start of installation. Install equipment in accordance with manufacturer's instructions.
- B. Install piping to conserve building space, not interfere with use of space and other work. Route piping in orderly manner, and maintain gradient. Group whenever practical at common elevations.
- C. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment. Provide access to valves and fittings.
- D. Pipe relief valve outlet and backwash to nearest floor drain.
- E. Pumps:
 1. Provide line sized valve and strainer on suction and line sized soft seated check valve and valve on discharge.
- F. Filter Tanks:
 1. Provide support for tanks independent of building structural framing members.
 2. Clean and flush tank prior to delivery to site. Seal until pipe connections are made.

3.02 MAINTENANCE

- A. See Section 01700 - Execution Requirements, for additional requirements relating to maintenance service.
- B. Provide service and maintenance of water treatment systems for one year year from date of Substantial Completion.

END OF SECTION

GSD146406
WV Veterans Memorial
Question Submission 3

1. Unit Price No. 2 - unit pricing for additional granite pavers, as I read the addenda it says in addition to the 10 pcs in the base bid that total 500SF, I do not see 500SF in those 10 pcs, is this a type-o their saying there is only a total of 1170 SF total. Please clarify.

A.1. Unit Price No. 2- 10 pieces or 50 total square feet is included in the Base Bid. Please see the amended bid form and instruction to bidders.

2. In reviewing addendum #3, there is an added Unit Price No. 6 – “Anodized Bronze Sidewalls”; please provided a definition / specification and reference a detail in the documents that shows us what an “Anodized Bronze Sidewall” is to be.

A.2. The reference “Sidewalls” would be the vertical component of the bridge rail caps shown as in detail 5/A505 and noted as “Aluminum cover”. For additional clarity the “sidewalls” can be seen in the ZMM drawing detail 5/A8 , provided for reference.

3. Also on the lines of drawings, are we to discard the original 43 drawings and use the 23 issued drawings in Addendum No. 3?

A.3. The new 23 issued drawings are referenced in Addendum 2 in Questions 17 and 24 of Addendum 2. The drawings were produced in 1988 and are for reference only. The 43 drawings by Mills Group shall remain a part of the contract documents.

4. We downloaded the drawings for Addendum No. 3 and they are only 11 x 17. Where do we get the full size drawings at, ZMM or Mills Group?

A.4. The original 23 drawings were produced in 1988 and are for reference only. There are no full size drawings available.

5. Could you please include a specification on the “Tempered Optical Glass”? Apparently there are variations of this exterior product and prices will reflect.

A.5. The Glass is to be 5/8” thick light tempered cover glass for underground lighting, shall endure 220 degree centigrade and be transparent .

SECTION 01200 - PRICE AND PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 ALTERNATES

- A. An alternate is an amount proposed by bidder for certain work that may be added to or deducted from the Base Bid amount if Owner accepts the Alternate. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate the Alternate into the Work. No other adjustments are made to the Contract Sum.
- B. Indicate on the Bid Form amounts to be deducted from or added to the Contract Sum for the following alternates:
 - 1. **Alternate Bid No. 1** – Scope of work to upgrade electrical lighting controls as detailed on sheets E101-A1, E103-A1, E201-A1, the supporting specifications, and cut sheets.

1.2 UNIT PRICES

- A. A unit price is an amount proposed by bidders and stated on the Bid Form as a price per unit of measurement for work added to or deducted from the Contract Sum by appropriate modification, if estimated quantities of Work required by the Contract Documents are increased or decreased. Bidders shall indicate on the Bid Form unit prices for the following items of work:
 - 1. **Unit Price No. 1-** Masonry Repointing - Base Bid includes 1000 lineal feet of 2000 square feet of the outer surfaces of the limestone pylons.
 - 2. **Unit Price No. 2-** Granite Paver Replacement - Base Bid includes 10 pieces as detailed on sheet A101 for a total of 50 square feet of 1170 square feet.
 - 3. **Unit Price No. 3** – Limestone Veneer- Provide limestone veneer replacement as indicated on drawings. The 40 total square feet of stone repairs shall be included in the base bid.
 - 4. **Unit Price No. 4** – Anodized Bronze Base Covers- Provide new 1/16" anodized bronze base covers in-kind at the bridge handrail. 8 - 1/16" anodized bronze base covers shall be included in the base bid.
 - 5. **Unit Price No. 5** – Anodized Bronze Caps- Provide new anodized bronze caps in-kind at the bridge handrail. Each full length of cap at the bridge handrail shall be considered 1 cap. 4 new anodized bronze caps shall be included in the base bid.

6. **Unit Price No. 6** – Anodized Bronze Sidewalls – Provide new anodized bronze sidewalls in-kind at the bridge handrail cap assembly. A full length of sidewall at the bridge handrail shall be considered 1 sidewall. 4 sidewalls shall be included in the base bid.

- B. Unit prices include all necessary material, plus cost for delivery, installation, insurance, **applicable taxes**, bonds, overhead, and profit.

1.3 CONTRACT MODIFICATION PROCEDURES

- A. On Owner's acceptance of a Proposal Request, Architect will issue an AIA G701 form for signatures of Owner and Contractor. Owner will submit completed G701, will all required documentation provided by the Contractor, to the State Purchasing Division to request approval of a Change Order. Multiple Proposals Requests may be consolidated into a single G701.

1.4 PAYMENT PROCEDURES

- A. Submit a Schedule of Values at least 10 days before the first Application for Payment. In Schedule of Values, break down the Contract Sum into at least one line item for each Specification Section. Correlate the Schedule of Values with Contractor's Construction Schedule.
- B. Submit 3 copies of each application for payment on AIA Document G702/703, according to the schedule established in Owner/Contractor Agreement.
1. For any interim Application for Payment through the Application for Payment submitted at Substantial Completion, submit partial releases of liens from each subcontractor or supplier for whom amounts were included in the previous Application for Payment.
 2. Submit final Application for Payment after completion of Project closeout procedures with release of liens and supporting documentation. Include consent of surety to final payment and insurance certificates.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 01200

Veterans Memorial Restoration

Charleston, West Virginia

Addendum #4

BID FORM
(RFQ#GSD146406)

Dated: _____
(Bidder to insert date bid submitted)

SUBMITTED BY:

_____ (hereinafter called "Bidder")

SUBMITTED TO: State of West Virginia
Department Of Administration
Purchasing Division

The Bidder, being familiar with local conditions affecting the cost of the Work and the Contract Documents, including Instructions to Bidders, Bid Form, General Conditions, Drawings, Specifications, and any Addenda or Clarifications issued, hereby propose to furnish all material, labor, tools, taxes, transportation and expendable equipment necessary for the satisfactory and complete installation of

**WEST VIRGINIA VETERANS MEMORIAL RESTORATION
WEST VIRGINIA STATE CAPITOL COMPLEX
CHARLESTON, WEST VIRGINIA**

in every detail and ready for operation, all in full accordance with, and in conformity to, the Contract Documents, for the stipulated sums as follows:

BASE BID TO INCLUDE THE FOLLOWING:

Provide stone restoration, repointing, water proofing, masonry repair, bronze restoration, EPDM roof replacement, complete lighting replacement, plumbing and site work of the Veterans Memorial as indicated on the Drawings and as specified.

For the lump sum amount of: _____
_____ (\$_____).

Total to be written in figures and words. In the event that the written amount and the numerical amount differ, the written amount shall prevail.

ALTERNATES:

The stated Base Bid is subject to the following additions or deductions for Alternates which the Owner may select. ('Provide' means 'furnish and install.' Include in bids below all related coordination and modification requirements associated with the Work of each Alternate.) All work is to be as indicated on Drawings and as specified.

Alternate Bid No. 1 – Scope of work to upgrade electrical lighting controls as detailed on sheets E101-A1, E103-A1, E201-A1, the supporting specifications, and cut sheets.

ADD or DEDUCT the sum of: _____

_____ (\$ _____).

UNIT PRICES:

“Definition: A Unit Price is an amount stated in the Bid as a price per unit of measurement for materials, equipment or services or a portion of the Work as described in the Bidding Documents. Unit prices shall be used solely for the formulation of any change orders subsequently requested for the awarded contract.”

These Unit Prices include all materials, shipping, installation, tax, and contractor markup. Unit Prices may be stipulated in figures only. All work is to be as indicated on Drawings and as specified.

Unit Price No. 1- Masonry Repointing - Base Bid includes 1000 lineal feet of 2000 square feet of the outer surfaces of the limestone pylons. If the actual quantity differs from the quantity included in the Base Bid,

ADD or DEDUCT the following: \$ _____ per Linear Foot.

Unit Price No. 2- Granite Paver Replacement - Base Bid includes 10 pieces as detailed on sheet A101 for a total of 50 square feet of 1170 square feet. If the actual quantity differs from the quantity included in the Base Bid,

ADD or DEDUCT the following: \$ _____ per square foot.

Unit Price No. 3 – Limestone Veneer- Provide limestone veneer replacement as indicated on drawings. The 40 total square feet of stone repairs shall be included in the base bid. If the actual quantity differs from the quantity included in the Base Bid,

ADD or DEDUCT the following: \$ _____ per square foot.

Unit Price No. 4 – Anodized Bronze Base Covers- Provide new 1/16" anodized bronze base covers in-kind at the bridge handrail. 8 -1/16" anodized bronze base covers shall be included in the base bid. If the actual quantity differs from the quantity included in the Base Bid,

ADD or DEDUCT the following: \$ _____ per base cover.

Unit Price No. 5 – Anodized Bronze Caps- Provide new anodized bronze caps in-kind at the bridge handrail. Each full length of cap at the bridge handrail shall be considered 1 cap. 4 new anodized bronze caps shall be included in the base bid. If the actual quantity differs from the quantity included in the Base Bid,

ADD or DEDUCT the following: \$ _____ per cap.

Unit Price No. 6 – Anodized Bronze Sidewalls – Provide new anodized bronze sidewalls in-kind at the bridge handrail cap assembly. A full length of sidewall at the bridge handrail shall be considered 1 sidewall. 4 sidewalls shall be included in the base bid. If the actual quantity differs from the quantity included in the Base Bid,

ADD or DEDUCT the following: \$ _____ per sidewall.

REFERENCES

Reference Name: _____

Position: _____

Address: _____

Telephone Number: _____

Project Name: _____

Project Description: _____

Reference Name: _____

Position: _____

Address: _____

Telephone Number: _____

Project Name: _____

Project Description: _____

Reference Name: _____

Position: _____

Address: _____

Telephone Number: _____

Project Name: _____

Project Description: _____

End of Bid Form

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD146406

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. 2

<input type="checkbox"/> Addendum No. 3

<input type="checkbox"/> Addendum No. 4

<input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 6

<input type="checkbox"/> Addendum No. 7

<input type="checkbox"/> Addendum No. 8

<input type="checkbox"/> Addendum No. 9

<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 acknowledgement should be submitted with the bid to expedite document processing.
 Revised 6/8/2012