



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

# Request for Quotation

RFQ NUMBER  
 GSD086407

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 KRISTA FERRELL  
 304-558-2596

RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BUILDING 1  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305 304-558-3517

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/01/2007				
BID OPENING DATE: 10/15/2007		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 4						
THIS ADDENDUM IS ISSUED TO ANSWER QUESTIONS RAISED AT THE MANDATORY PRE-BID MEETING AND ALL TECHNICAL QUESTIONS RECEIVED DURING BOTH TECHNICAL QUESTION PERIODS. IN ADDITION, THIS ADDENDUM INCORPORATES CLARIFICATIONS TO SPECIFICATIONS, REVISED INSTRUCTION TO BIDDERS (SECTION 00100), REVISED BID FORM (SECTION 00400), REVISED ALTERNATES (SECTION 01030) AND REVISED DRAWINGS (T-2, A-101, A-501, A-702, A-703, A-704, A-705 AND E-1).						
BID OPENING DATE REMAINS: OCTOBER 15, 2007 BID OPENING TIME REMAINS: 1:30 PM						
***** END ADDENDUM NO. 4 *****						
0001	1	JB		968-42		
MAIN CAPITOL EXTERIOR MASONRY CLEANING AND REPAIR						
***** THIS IS THE END OF RFQ GSD086407 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

**GENERAL TERMS & CONDITIONS  
PURCHASE ORDER/CONTRACT**

1. **ACCEPTANCE:** Seller shall be bound by this order and its terms and conditions upon receipt of this order.
2. **APPLICABLE LAW:** The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
3. **NON-FUNDING:** All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the terms of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
4. **COMPLIANCE:** Seller shall comply with all Federal, State and local laws, regulations and ordinances including, but not limited to, the prevailing wage rates of the WV Division of Labor.
5. **MODIFICATIONS:** This writing is the parties final expression of intent. No modification of this order shall be binding unless agreed to in writing by the Buyer.
6. **ASSIGNMENT:** Neither this Order nor any monies due, or to become due hereunder may be assigned by the Seller without the Buyer's consent.
7. **WARRANTY:** The Seller expressly warrants that the goods and/or services covered by this order will: {a} conform to the specifications, drawings, samples or other description furnished or specified by the Buyer {b} be merchantable and fit for the purpose intended and/or {c} be free from defect in material and workmanship.
8. **CANCELLATION:** The Director or Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
9. **SHIPPING, BILLING & PRICES:** Prices are those stated in this order. No price increase will be accepted without written authority from the Buyer. All goods or services shall be shipped on or before the date specified in this Order.
10. **LATE PAYMENTS:** Payments may only be made after the delivery of goods or services. Interest may be paid on late payments in accordance with the *West Virginia Code*.
11. **TAXES:** The State of West Virginia is exempt from Federal and State taxes and will not pay or reimburse such taxes.
12. **RENEWAL:** Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA Business Associate Addendum -** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

**Addendum 4**

**West Virginia State Capitol  
Masonry Cleaning and Repair Project  
State of West Virginia, Department of Administration**

SHCA Project No. 5827.D  
Addendum No. 4

To: All Bidders

Note: This Addendum is part of the Contract Documents. It modifies Specifications dated June 8 and Drawings dated July 6, 2007.

Acknowledge receipt of this Addendum in the space provided on the Bid Form.  
Failure to do so may result in the disqualification of your Bid.

Revisions to Contract Documents as listed below:

**ARCHITECTURAL:**

DWG/SPEC Title	Description	Date
Section 00100 – Instructions to Bidders	Article 1.7.1.1-5 includes Contractor Experience Requirements that bidders are expected to meet. Section 1.12.D added to specify amount of liquidated damages.	September 27, 2007
Section 00400 – Bid Form	Revise Base Bid to include protective bird netting. Revise Alternates to include replacing all glazing putty on bronze windows (Alt 1). Revise Alternates to include Electrical / Lighting Repairs (Alt 2).	September 27, 2007
Section 01030 – Alternates	Article 3.1 Revise schedule of Alternates to include replacing all glazing putty on bronze windows not included in the base bid (Alt. 1) and Electrical / Lighting Repairs (Alt. 2).	September 27, 2007
T-2	Add Base Bid quantities for protective bird netting at column capitals (96 Each) and undersides of portico and balcony ceilings (5000 SF) (Refer to 4/A-501). Add Alternate #1 – Replace all glazing putty on bronze windows, floors 1-3 (Refer to A-702 through A-704). Add Alternate #2 – Electrical / Lighting Repairs (Refer to E-1 and Section 01030 – Alternates).	September 27, 2007
A-101	Window #2109A is a misprint has been renamed to #2108A to correctly correspond with the window schedule on A-703.	September 27, 2007
A-501	Add detail 4/A-501 – PR 01/02: Bird Netting at Column Capitals and Undersides of Portico and Balcony Ceilings	
A-702 through A-704	Clarification to Repair Item “E” on the Repair Legend. Revision of repair scope for Window #2013A & 2098A (A-703). Revision of security protection for Window #1006-1008 in the Governor’s Office (A-702).	September 27, 2007
A-705	Modification and clarification of Repair Codes “V” and “W”. Limit repair scope to clean exterior of bronze casements with non-ionic detergent in situ.	September 27, 2007

Addendum No. 4  
 To West Virginia State Capitol Masonry Restoration and Repair Project  
 Date September 26, 2007  
 Page 2

In addition to the above addendum, the following is a list of questions and responses from the pre-bid conference.

ITEM	QUESTION	RESPONSE
1	Are the qualification statements in the bid package to be submitted with the bid?	Qualification statements will be requested only of the responsible low bidder.
2	Clarify cleaning method.	Contractor to assume all limestone façade elements to be cleaned via the JOS Quintek micro-abrasive system in accordance with Section 04902 – Masonry Cleaning, Article 3.4. Any rear portion of balusters and parapets that are visible from the ground, offices or from the 1 <sup>st</sup> floor connector wings shall be cleaned as well.
3	Are the doors included? Clarify scope.	The interior and exterior of all bronze doors are to be refinished and restored to fully operable condition in accordance with Section 05910 – Historic Treatment of Ornamental Metal. In addition, the Contractor shall refinish and make fully operational the monumental sliding pocket doors at the north and south portico entrances. The pocket doors are to be refinished. Contractor shall include with his price the refinishing of the bronze entry vestibules of the north and south entrances, including any existing grillwork.
4	The documents give conflicting information regarding the bronze window restoration. Are they to be included in the Base Bid or is this an Alternate Item?	<p>Contractors shall include bronze window restoration in base bid in accordance with Section 08520 – Bronze Window Restoration. The intent is to restore original bronze windows to original patina in fully operational condition. Contractor to protect glazing from blast media in accordance with Article 3.7.A.</p> <p>In accordance with the Window Schedule, Drawings A-702 through A-705, there is limited glazing putty replacement included with the base bid. Contractor to include a unit price for Alternate #1 – “W – Remove and Re-Glaze all additional Windows not included in the Base Bid”. Contractor to coordinate glaze putty removal with window restoration and consider all collateral issues with bronze refinishing when developing bid documents.</p> <p>The Sponge Jet system is specified for coating removal in Section 08520 – Bronze Window Restoration. Contractor shall coordinate with GSD custodial staff, which will in turn coordinate with the tenants to move personal items and movable furnishings for the Contractor to access windows for the restoration. The above-referenced applies to all bronze windows of the first, second and third floors. The Contractor shall be allowed to sponge-blast the jambs in place only after successfully demonstrating containment and protection of interior occupants.</p> <p>The windows at the Colonnade level (#6001-6016) and at Dome Drum Balustrade level (#7001) are casement windows and have limited repair scope. The exterior faces are to be cleaned and restored in-situ, without the use of any micro-abrasives. In addition, these windows are not scheduled to have glazing putty replaced.</p>

F:\BOBK\RFQ\GSD086407 MASONRY REPAIR AND CLEANING\ADDENDUM 4070924\ADDENDUM#4.DOC

Addendum No. 4  
 To West Virginia State Capitol Masonry Restoration and Repair Project  
 Date September 26, 2007  
 Page 3

**ITEM QUESTION****RESPONSE**

- |    |  |  |
|----|--|--|
| 5  | Window openings 1006, 1007, 1008 are located in the Governor's office. These openings have a separate security window system on the exterior of the opening (outside of the original bronze windows). Are these windows to remain and if so, is it permissible to remove these windows temporarily to allow for better access to the original windows?                                 | The supplemental security windows must remain in place during all construction activities. Interior bronze windows must be removed from the interior side for refurbishing. Limestone cleaning between windows shall be hand-done. All work on these windows must be coordinated with the Governor's Office schedule.                                |
| 6  | Window Schedule: Explain the difference in the work shown in the General Column between, as an example, window number 1020 and 1019, with regard to one of the includes B and the other does not. What part of the window assembly are we not removing the interior paint from in 1019? The jamb, the sashes, both?  | The Contractor shall remove all paint from bronze window elements identified on the schedule by "B". Most windows are not painted and do not require paint removal. Refer to schedule to identify which window interiors (jamb and sash) are painted and require paint removal prior to bronze refinishing.  |
| 7  | The Contract identified 270 CCDs for construction. If the project is awarded in late October/early November, does the State want the Contractor to include provisions for winter work (i.e. tarping and heating). If not, how will the Contractor be protected from not being able to work in inclement winter conditions and not be penalized if the Contract extends beyond 270 CCD? | The State does not want the Contractor to mobilize for winter work if that will incur additional expenses to the project. The General Conditions (Section 4.3.7.2) contains requirements for inclement weather extensions which the State shall follow in granting an extension.   |
| 8  | Clarify extent of repairs of this Contract.  | As per Contract Documents, area of work shall include Main Building from grade to the base of the sheet metal dome. The one-story east and west connectors are also included (See A-221 and A-222).  |
| 9  | Are the undersides of the north and south porticos to be cleaned? If so, how can access be addressed?  | The limestone façades and columns shall be cleaned with JOS system in accordance with Contract Documents. Contractor shall clean glazed terra cotta with low pressure water rinsing to remove surface soiling. Access shall be coordinated with mobilization required for repointing of façade directly below portico ceiling (See A-206 and A-215). |
| 10 | Are there minimum working hours?   | There are no minimum working hours. The regular hours that the Capitol is open is from 7:00 a.m. to 7:00 p.m.  |
| 11 | Will the GSD be able to provide an "on-site" location for window blasting operations?  | On-site location for blasting operations will not be available to the Contractor. Contractor responsible to provide off-site blasting location.  |
| 12 | Will the GSD be able to provide on-site space for offices for the Contractor?  | The Owner will coordinate a location for an office trailer on the site. This location will not be adjacent to Building 1 (Main Building), but will be somewhere on the campus.   |

F:\BOBKIRFQSIGSD086407 MASONRY REPAIR AND CLEANING\ADDENDUM 41070924\ADDENDUM#4.DOC

Addendum No. 4  
 To West Virginia State Capitol Masonry Restoration and Repair Project  
 Date September 26, 2007  
 Page 4

ITEM	QUESTION	RESPONSE
13	Can trucks and equipment be driven across the site? Is there any parking on the site?	Contractor is responsible to protect all landscaping from vehicular impact. While access around the building is available, the Owner is concerned about damage to lawns and landscaping. Some access restrictions will apply. GSD will provide fiberglass matting to the extent that they have available. The quantity, size and type shall be made available to the Contractor, but the Contractor is responsible for making up any shortcomings. Contractor responsible to repair any landscaping damaged due to construction activities.
14	Can everyone get a copy of the sign-in sheet?	The sign-in sheet shall be provided in the first addendum.
15	Are there restrictions to the use of swing-staging, scaffolding, etc.?	Mobilization is considered "means and methods". While the use of swing-staging is acceptable, the Contractor shall have a registered engineer, licensed in the State of WV, approve the anchorage plans. Provided mobilization meets requirements of this Project, there is no restriction as to the type(s) of mobilization the Contractor may use to access the project areas. The Contractor shall protect structure and be responsible for damage.
16	Clarify the type of sealant to be used for masonry repairs.	As per Section 07920 – Joint Sealants, Article 3.4, vertical movement joints, identified by Repair Code SE 03 shall be Dow 756 Silicone or equal.
17	Regarding the terra cotta removal: Is the terra cotta packed full with grout?	At a recent probe at the southeast corner of south entrance pediment, the removed corner unit was not filled solid with grout. For bidding purposes, Contractor to assume similar condition for remaining terra cotta to be removed and reset as per the Drawings.
18	Clarify extent of bird protection.	¾-inch plastic netting (color of limestone) to cover all column capitals. In addition, netting shall extend across the underside of porticos and balconies. See Section 10296 – Bird Deterrent Netting System and 4/A-501.
19	Lighting has been identified as an Alternate. Clarify scope of Alternate.	<p>Replacement of all elements shall match the historic ones. All fixtures to be UL listed for damp locations. All wire should be suitable for outdoor use. All new lighting rehabilitation is predicated on the successful results of mockups at the colonnade, north and south porticos, east and west balconies, east and west porticos, free standing ornamental lamps and wall scones.</p> <p>Section 01030 – Alternates, Alternate No. 2 – Electrical / Lighting Repairs shall include:</p> <p><u>Colonnade Lights:</u> Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.</p> <ul style="list-style-type: none"> <li>• Install 31 Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½" 120v generator, 6 11/32" power coupler, 7 1/16" 3000K discharge vessel.</li> <li>• Provide 31 new 14-inch diameter opal globes to fit 8-inch fitter.</li> <li>• Replace one (1) missing 8-inch bronze spun fitter to match existing.</li> </ul>

F:\BOBK\RFQ\SIGSD086407 MASONRY REPAIR AND CLEANING\ADDENDUM 4\070924\ADDENDUM#4.DOC

Addendum No. 4  
 To West Virginia State Capitol Masonry Restoration and Repair Project  
 Date September 26, 2007  
 Page 5

**ITEM QUESTION**

(Lighting, Continued)

**RESPONSE**

North Portico Lights: Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Install nine (9) Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½" 120v generator, 6 11/32" power coupler, 7 1/16" 3000K discharge vessel.
- Replace eight (8) missing globes with salvaged globes.
- Replace eight (8) missing 8-inch bronze spun fitters to match historic.

South Portico Lights: Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Install nine (9) Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½" 120v generator, 6 11/32" power coupler, 7 1/16" 3000K discharge vessel.
- Replace eight (8) missing globes with salvaged globes.
- Replace eight (8) missing 8-inch bronze spun fitters to match historic.

East Balcony & West Balcony: Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Replace ten (10) sodium halide lights with new Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½" 120v generator, 6 11/32" power coupler, 7 1/16" 3000K discharge vessel.
- Provide ten (10) new 14-inch diameter opal globes to fit 8-inch fitter.
- Replace ten (10) missing 8-inch bronze spun fitters to match historic.

East & West Porticos: Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Replace six (6) lights with new Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½" 120v generator, 6 11/32" power coupler, 7 1/16" 3000K discharge vessel.
- Provide six (6) new 14-inch diameter opal globes to fit 8-inch fitter.
- Replace six (6) missing 8-inch bronze spun fitters to match historic.

Free-Standing Ornamental Lamps at North and South Entrance:

- Retrofit four (4) lamps with Philips QL Induction 85W, 3000K. Locate generator at existing power switch; pull connecting wiring between generator and lamp through existing conduit.

Bronze Wall Scones at North Elevation: Locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Retrofit four (4) lamps with Philips QL Induction 85W, 3000K. Locate generator remotely.
- Replace glass with translucent patterned glass; Arch-161 by McGrory Glass, Inc or equal.

F:\BOBK\RFQ\SIGSD086407 MASONRY REPAIR AND CLEANING\ADDENDUM 4\070924\ADDENDUM#4.DOC

Addendum No. 4  
To West Virginia State Capitol Masonry Restoration and Repair Project  
Date September 26, 2007  
Page 6

**ITEM QUESTION**

(Lighting, Continued)

**RESPONSE**

Aluminum Fixtures at Spiral Stairs, Dome Drum: Locate generator at existing power switch; pull connecting wiring between generator and lamp through existing conduit.

- Replace six (6) aluminum fixtures with new similar fixtures. Use long-life incandescent bulbs.

Governor's Drive Underpass Entrance: Locate generator at existing power switch; pull connecting wiring between generator and lamp through existing conduit.

- Replace four (4) sodium halide lights with new Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 1/2" 120v generator, 6 11/32" power coupler, 7 1/16" 3000K discharge vessel. Locate generator remotely.
- Provide four (4) new 14-inch diameter opal globes to fit 8-inch fitter.
- Replace four (4) missing bronze 8-inch spun fitters to match historic.

End of Addendum #4



## **SECTION 00100 – INSTRUCTIONS TO BIDDERS**

### **1.1 SUMMARY**

- A. The State of West Virginia, hereinafter called the “Owner” invites bids on the forms included. All blanks must be appropriately filled in. Bids will be received at the same time and place set forth in the Request for Quotations.
- B. Definitions:
  - 1. Bidding Documents include the following:
    - a. Bidding Requirements: Invitation to Bid, Instructions to Bidders, the Bid Form, and other sample bidding and contract forms.
    - b. Contact Documents: The form of Agreements between the Owner and Contractor, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications and all Addenda issued prior to execution of the Contract.
  - 2. A Bidder is a person or entity who submits a Bid.
  - 3. A Sub-Bidder is a person or entity who submits a bid to a Bidder for materials, equipment or labor for a portion of the work.

### **1.2 BIDDING DOCUMENTS**

- A. Bidders may obtain complete sets of the Bidding Documents from the issuing office designated in the invitation to Bid for the sum stated therein.
- B. Bidding Documents will not be issued directly to Sub-bidders or others unless specifically offered in the invitation to Bid. All interested parties may refer to documents on the file at a location as identified in the Invitation to Bid.
- C. Bidders shall use complete sets of Bidding Documents in preparing Bids: neither the Owner nor Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- D. Addenda: Addenda will be posted on the West Virginia Purchasing Bulletin Website. Copies of Addenda will also be faxed to registered vendors, registered plan holders and persons attending the pre-bid meeting. Copies of Addenda will also be made available wherever Bidding Documents are on file for inspection.

### **1.3 BIDDER’S REPRESENTATIONS**

- A. By submitting a Bid, the Bidder represents that:
  - 1. The Bidder and all subcontractors the Bidder intends to use have carefully and thoroughly reviewed the Bidding Documents and have found them complete and free from ambiguities and sufficient for the purpose intended.

WEST VIRGINIA STATE CAPITOL  
 FAÇADE CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

2. The Bidder has visited the site, become familiar with local conditions under which the Work is to be performed.
  3. The Bid is based upon the materials, equipment and systems required by the Bidding Documents without exception.
  4. The Bidder and all workers employees and subcontractors the Bidder intends to use are skilled and experienced in the type of construction represented by the Bidding Documents.
  5. The Bid is based solely upon the Bidding Documents, including properly issued written addenda, and not upon any other written representation.
  6. Neither the Bidder nor any of the Bidder's employees, agents, intended suppliers or subcontractors have relied upon any verbal representatives from the Owner, or the Owner's employees or agents including architects, engineers or consultants, in assembling the Bid figure.
- B. If any Bidder is in doubt as to the true meaning of any part of the Bidding Documents, the Bidder may submit to the Senior Buyer a written request for an interpretation thereof, prior to the date for Submission of Questions noted in the Request of Quotations. An interpretation of Bidder's request will be made only by addenda. All inquiries for specification clarification shall be addressed to:

Krista Ferrell, Senior Buyer  
 Purchasing Division  
 P.O. Box 50130  
 Charleston, West Virginia 25305-0130  
 Fax: (304) 558-4115  
 Kferrell@wvadmin.gov

#### 1.4 BIDDING PROCEDURES

- A. The Owner invites the bids as stipulated in the bidding documents and as prescribed in the bid forms. No alternate proposals except those stated on the bid forms will be accepted. Conditional bids will not be accepted.
- B. Bid shall be made on forms, identical to the form included with the Bidding Documents.
- C. All blanks on the bid form shall be filled in by typewriter or manually in ink.
- D. Where so indicated on the bid form, sums shall be expressed in both words and figures. In case of discrepancy between the two, the amount written words shall govern.
- E. All erasures, interpolations and other physical changes in the bid form shall be signed or initiated by the bidder. Bids containing any conditions, commissions, erasures, alterations or items not called for in the Bid Form, or irregularities of any kind may be rejected by the Owner as being incomplete or irregular.
- F. Bids shall give the business address of the Bidder and shall be signed by authorized representatives with his or her usual signature. Bids by partnerships shall be signed with the partnership name by one of the members of the partnership or by an authorized

WEST VIRGINIA STATE CAPITOL  
 FAÇADE CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

representative, followed by the signature and designation of the person signing. Bids by corporations shall be signed with the name of the corporation followed by the signature and designation of the president, secretary or other person authorized to act in the matter. The names of all persons signing shall also be typed or printed below the signature.

- G. Bids shall not be withdrawn. Any Bidder may alter his proposal after it has been received by the Owner but prior to bid opening time and date. The Bidder shall submit an alternate bid, in writing, and such bid shall be received by the Owner prior to the time specified in the Request for Quotation. Alterations may include changes in the proposal amounts or request to change Proposal to "No Bid".
- H. Bid's shall be enclosed in two envelopes in (outer and inner) both for which shall be sealed and clearly labeled to indicate and to guard against openings prior to the time designated for the receipt of Bids – identify the Bidder's name and the name of the project on the outside of both envelopes, with the notation "SEALED BID ENCLOSED".

### 1.5 SUBSTITUTIONS

- A. Requests for approval of substitutions must be received by Swanke Hayden Connell Architects at least fourteen (14) days prior to the date for receipt of bids to be given consideration. Direct requests to the Architect at address stated on the "Request for Substitution (prior to Bid)" form following this document. Requests must be received by the Architect by mail or messenger. Receipt of substitution requests by fax are not permitted and will be rejected.
- B. Submission shall be made by prime Bidders; no consideration will be given to items submitted directly by manufactures, suppliers, distributors or subcontractors. Substitutions of materials, products or equipment for those items specified will be considered only when submitted with a completed "Request for Substitution (Prior to Bid)" form. Substitution requests must be accompanied by manufacturer's original product data information. Reproduced copies of manufacturer's product data will not be permitted and will be rejected. Burden of proof of merit of requested substitution is upon submitter; modifications of provisions of the Request for Substitution Form shall be stated on Contractor's letterhead and attached with request form and other attachments.
- C. Approved requests will be set fourth Addenda issued in accordance with these instructions to Bidders. All items allowed by Addenda are subject to full provisions of original. Bidding Documents, including all modifications thereto and shall be warranted as substitutions conforming to the Bidding Documents.

### 1.6 LIST OF PROPOSED SUBCONTRACTOR AND EQUIPMENT/MATERIAL SUPPLIERS

- A. The Bidder shall submit a listing of all subcontractors and all major equipment/ material suppliers along with the contractor's license for each subcontractor as required by the "West Virginia Contractor Licensing Act" proposed for each major branch of work.

WEST VIRGINIA STATE CAPITOL  
 FAÇADE CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

1. Failure to submit a list of subcontractors and equipment/material suppliers along with contractor's license number for each proposed subcontractor shall result in disqualification of the Bidder's proposal.
  2. Only one subcontractor or equipment/material supplier may be listed for each area of work.
- B. In addition, the successful bidder, thereafter known as the Contractor, may be requested within ten (10) calendar days after award of contract to furnish to the Owner or Architect a more detailed and complete list of the materials and equipment, together with the product manufacturer's name and catalog number and catalog cut or illustration thereof.
- C. Each Bidder shall establish the reliability and responsibility of all proposed subcontractors and equipment/material suppliers being proposed, to perform the work, and verify availability of proposed subcontractors.
- D. Prior to award of the Contract, the Owner and Architect will review the list of proposed subcontractors and equipment/material supplies and advise the Bidder of any actions that may be necessary in order to meet the requirements of the Contract Documents. The Bidder may be requested to change an unsatisfactory subcontractor or equipment/material supplier. Proposed subcontractors or equipment/material suppliers found to be unsatisfactory jointly by the Owner, Architect, and the Bidder, shall be changed to an acceptable subcontractor or equipment/material supplier at no additional cost to the Owner, as the Contractor has full responsibility for execution of the work.
1. Should it develop that any of the equipment or materials named do not meet the requirements and intent of the Contract Documents, the Bidder shall be required to furnish to the Owner other materials or equipment acceptable and fully complying with the specifications at no change in contract price. Preliminary review and acceptance of the listing provided shall not relieve the Contractor from furnishing equipment and materials in complete accordance with the specifications.

## 1.7 CONTRACTOR EXPERIENCE REQUIREMENTS

- A. Firms submitting bids or subcontracting specialty work to the General Contractor must meet the following minimum work experience requirements. In addition, the successful bidder may be requested to submit additional information verifying qualifications to the Architect after bidding.
1. **General Contractor:** The General Contractor shall have a minimum of 10 years experience with façade cleaning and repair / historic restoration projects and shall have completed three (4) projects of a similar size and scope within the past six years.
  2. **Stone Restoration:** The Stone Restoration (Sub)Contractor shall have a minimum of 10 years experience with stone restoration projects and shall have completed three (4) projects of a similar size and scope within the past six years.

WEST VIRGINIA STATE CAPITOL  
 FAÇADE CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

3. Terra Cotta Restoration: The Terra Cotta Restoration (Sub)Contractor shall have a minimum of 10 years experience with terra cotta restoration projects and shall have completed three (3) projects of a similar size and scope within the past four years.
4. Bronze Window Restoration: The Bronze Window Restoration (Sub)Contractor shall have a minimum of 10 years experience with bronze window restoration projects and shall have completed three (3) projects of a similar size and scope within the past six years.
5. Ornamental Metal Restoration: The Ornamental Metal Restoration (Sub)Contractor shall have a minimum of 10 years experience with ornamental metal restoration projects and shall have completed three (3) projects of a similar size and scope within the past six years.

### 1.8 QUALIFICATION STATEMENT

- A. Completed Verification of Bidder Qualification Documents may be required of successful bidders for General Contractor Work, Stone Restoration, Terra Cotta Restoration, Bronze Window Restoration and Masonry Cleaning and Repair to verify competency of Bidder prior to award of Contract. All requested documents shall be completed and returned within seven (7) days of request.

### 1.9 BID SECURITY

- A. Each Bid shall be accompanied by a bid bond payable to the Owner for five percent (5%) of the total Bid issued by an A.M. Best, A- or better rated surety company listed on the most current Federal Register, Circular 570, and authorized to do business in the state of the proposed project. Should the Bidder refuse to enter into a contract with the Owner on the terms stated in the Bidding Documents or fail to furnish bonds covering faithful performance of the Contract and all obligations arising thereunder, the full amount of the bid security shall be forfeited to the Owner as liquidated damages, not as a penalty.
- B. Bonds may be provided in the form of a certified check, irrevocable letter of credit, or Bond furnished by a solvent surety company authorized to do business in the State of West Virginia. Personal or business checks are not acceptable in lieu of Bonds.

### 1.10 PERFORMANCE BOND AND PAYMENT BOND

- A. The Bidder to whom any contract is awarded, shall pay for execute and deliver to the Owner via the Architect within ten (10) days after award of contract by Owner and before signing the contract, a corporate survey Performance and Labor and Material Payment Bond on the State of West Virginia bond forms bound herein, to be executive by an A.M. Best, A- or better rated surety company listed on the most current Federal Register, Circular 570, and which is authorized to do business in the resident state of the Project, and which is satisfactory to and approved by the Owner in the sum of one hundred percent (100%) of the amount of the contract, insuring the full and faithful performance of the work and payment in full for all materials, machinery, equipment and labor, and covering

WEST VIRGINIA STATE CAPITOL  
 FAÇADE CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

all the guarantees called for in the specifications and all other obligations arising thereunder.

1. The Labor and Material Payment Bond shall be made in the sum of one hundred percent (100%) of the Contract Sum.
  2. All contractors and subcontractors performing work must be covered by a performance bond and must be included on the list of subcontractors submitted with Bid Form.
  3. The cost of the bond shall be included in the Bid.
  4. The Owner will not accept responsibility for direct payments to subcontractors performing work on projects by way of consignment.
- B. Should the successful Bidder fail or refuse to deliver the required bond and all other Contract Documents, properly executed, with ten (10) days after receipt of the Owner's letter of intent to award a Contract, the Bidder may forfeit the bid security as liquidated damages, not as a penalty.

#### **1.11 CONSIDERATION OF BIDS**

- A. It is the intent of the Owner to award a contract to the lowest responsible Bidder provided the Bid has been submitted in accordance with the requirements of the Bidding Documents and does not exceed the funds available. The Owner shall have the right to waive informalities or irregularities in a Bid received and to accept the Bid which, in the owner's judgment is in the Owner's own best interests.
- B. The Owner shall have the right to reject any or all Bids, reject a Bid not accompanied by a required bid security or by other data required by the Bidding Documents, or reject a Bid which is in any way incomplete or irregular.
- C. The Owner shall have the right to accept Alternates in any other or combination and to determine the low Bidder on the basis of the sum of the Base Bid and Alternates accepted.

#### **1.12 TIME SCHEDULE AND LIQUIDATED DAMAGES**

- A. The Work shall begin no later than seven (7) days after Owner's signing of the Contract and/or issuance of Notice to Proceed, and shall be completed within 270 calendar days from the Notice to Proceed.
- B. The time set for completion shall apply to all trades and branches of the work whether the items of work are performed by the Contractor or by any subcontractor.
- C. The Bidder shall note that the Conditions of the Contract include a provision for liquidated damages for delays beyond the stipulated date of Completion.
- D. Liquidated damages shall be imposed at the rate of \$1000.00 per day for failure to complete project within 270 calendar days from the Notice to Proceed.

### 1.13 CONTRACTOR'S LICENSING

- A. Bidders and their proposed subcontractors shall be licensed in compliance with SB 409 (WV Contractor's Licensing Act). All Bidders shall include their License Number in their Bid Proposal.
- B. Each Subcontractor shall register with WV Tax Department (304) 558-2500, WV Employment Security (304) 558-2524, WV Workers Compensation (304) 558-2580, Secretary of State (304) 558-4000 and WV Department of Labor (304) 558-7890. All companies must be registered with each of these agencies before their Contractors License to work in West Virginia can be issued.
- C. For further information regarding Contractors Licensing contact: West Virginia Division of Labor, Capital Complex, Building 3, Room 319, Charleston, West Virginia 25305; Phone (304) 558-7890.

### 1.14 WAGE RATES

- A. In any work resulting from this Bid, the Prime Contractor and Subcontractors shall pay the local prevailing fair minimum wage rates for the applicable trades or occupations, in accordance with Chapter 21 of the West Virginia Code.
- B. Each Bidder shall be responsible for obtaining a current and correct schedule of the prevailing wage rates, as determined by the WV Department of Labor for the resident county of the Project.
  - 1. Bidders may obtain wage rates at:  
[www.wvsos.com/adiaw/wagerates/buildings03.htm](http://www.wvsos.com/adiaw/wagerates/buildings03.htm)  
or contact the office of the WV Secretary of State (304) 558-6000.
- C. Bidders are reminded that subject to the provisions of Chapter 21-5A of the West Virginia Code, a legible statement of all fair minimum wage rates to be paid the various classes of workers employed, shall be posted in a prominent place at the project site by each Contractor and Subcontractor.

### 1.15 AWARD OF CONTRACT

- A. It is the intent of the Owner to award a Contract to the lowest responsible Bidder provided the Bid has been submitted in accordance with the requirements to the Bidding Documents and does not exceed the funds available. The Owner shall have the right to waive any informality or irregularity in any Bid or Bids received. The Owner shall have the right to accept the bid or Bids which, in the Owner's judgment, are in the Owner's own best interest.

WEST VIRGINIA STATE CAPITOL  
FAÇADE CLEANING & REPAIR PROJECT  
SHCA PROJECT #: 5827.D

- B. The Bidder will note that Bids consist of the Base Bid and may also include several related add or deduct Alternate items, all comprising items that will form the contract as a whole. The Owner may award the contract on the basis of the Base Bid alone, or if and when conditions warrant, accept such alternates appearing on the proposal, thereby reducing or increasing the amount of the Base Bid to form the Contract amount.
- C. The Contract shall be deemed as having been awarded when formal notice of award has been duly served upon the intended awardee (i.e., the Bidder to whom the Owner contemplated awarding the contract) by an authorized individual representing the agency receiving bids. Terms of the Contract shall not be deemed to have been perfected until a satisfactory surety bond equal to 100% of the contract sum has been furnished to the Owner by the successful Bidder, at his own expense as a guarantee of contract performance.

**END OF DOCUMENT 00100**



WEST VIRGINIA STATE CAPITOL  
MASONRY CLEANING & REPAIR PROJECT  
SHCA PROJECT #: 5827.D

**SECTION 00400 - BID FORM**

PROJECT MASONRY CLEANING & REPAIR PROJECT  
WEST VIRGINIA STATE CAPITOL  
CHARLESTON, WEST VIRGINIA

SUBMISSION PLACE  
State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130  
Attn: Krista Ferrell, Senior Buyer  
Tel.: (304) 558-0492

Mark on lower left hand of envelope: "MASONRY CLEANING & REPAIR PROJECT"

BID FOR: \_\_\_\_\_  
(Bidder's Name)  
\_\_\_\_\_  
(Bidder's Address)  
\_\_\_\_\_  
(Date)

The undersigned, in compliance with the "Instructions to Bidders," having examined the Drawings and Specifications prepared by Swanke Hayden Connell Architects and related documents, visited the site of the proposed Work, and being familiar with all of the conditions surrounding the construction of the proposed Project, including availability of materials and labor, proposes to furnish labor, services, equipment and material and to perform work required for the construction of the above referenced Project for the consideration of the following amount:

BID AMOUNT, (STIPULATED SUM), SUM OF:

\_\_\_\_\_ Dollars (\$ \_\_\_\_\_ )

WEST VIRGINIA STATE CAPITOL  
MASONRY CLEANING & REPAIR PROJECT  
SHCA PROJECT #: 5827.D

ALTERNATES

Submit prices for Alternates in accordance with Section 01030 of the specifications.

ALTERNATE #1: *Replace Glazing Putty on All Bronze Windows not being Reglazed under Base Bid (First, Second and Third Floors – See A-702 through A-704)*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

ALTERNATE #2: *Electrical / Lighting Repairs (BROKEN DOWN AS FOLLOWS)*

COLONNADE LIGHTS: *Electrical / Lighting Repairs*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

NORTH PORTICO LIGHTS: *Electrical / Lighting Repairs*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

SOUTH PORTICO LIGHTS: *Electrical / Lighting Repairs*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

EAST AND WEST BALCONY LIGHTS: *Electrical / Lighting Repairs*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

EAST AND WEST PORTICO LIGHTS: *Electrical / Lighting Repairs*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

FREE-STANDING ORNAMENTAL LAMPS AT NORTH AND SOUTH ENTRANCE: *Electrical*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

BRONZE WALL SCONCES AT NORTH ELEVATION: *Electrical / Lighting Repairs*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

ALUMINUM FIXTURES AT SPIRAL STAIRS, DOME DRUM: *Electrical / Lighting Repairs*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

GOVERNOR'S DRIVE UNDERPASS ENTRANCE: *Electrical / Lighting Repairs*

ADD: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

WEST VIRGINIA STATE CAPITOL  
 MASONRY CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

The undersigned stipulates hereby that this Bid will remain valid for ninety (90) days from the above submission date or any postponement therefrom.

The undersigned stipulates hereby that he will commence work on this Project on the date he is notified of acceptance of this Bid and will be substantially complete within (to be determined) consecutive calendar days.

The undersigned stipulates except for items identified in writing to the Architect during the bidding period, where there is a conflict or discrepancy on the Drawings, in the Specifications, or between the Drawings and Specifications, which involves the choice of one or more methods, materials, size, thickness, procedure, technique, equipment, sequence, etc., that he has included in his Base Bid the most expensive method, materials, size, thickness, procedure, technique, equipment, sequence, etc., and the Architect, in his interpretation of the Drawings and Specifications, is free to select the method, materials, size, thickness, procedure, technique, equipment, sequence, etc., which the Architect feels is in the best interest of the Project.

UNIT PRICE

<b>ID</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>PRICE</b>
---	Masonry Cleaning (With JOS Quintex Micro-Abrasive and Selected Biocide)	SF	
CN 02	Concrete Spall Repair	SF	
---	Prep and Paint Concealed Structural Steel	SF	
ST (LI) 01a	Limestone Crack Repair	LF	
ST (LI) 01b	Limestone Crack Repair with Helical Ties	LF	
ST (LI) 01d	Limestone Repair – Lift and Pin Keystone, 1 <sup>st</sup> Floor	EA	
ST (LI) 02a	Limestone Spall Repair	SF	
ST (LI) 02b	Limestone Spall Repair with Pins	SF	
ST (LI) 02c	Limestone Spall at Column Base	SF	
ST (LI) 02d	Limestone Spall at Lion's Head	SF	
ST (LI) 03	Limestone Dutchman	SF	
ST (LI) 04	New Limestone Ashlar Unit	SF	
ST (GR) 04	New Granite Veneer Unit at Pier Base	SF	
PO 02	Limestone Repointing	LF	
SE 02	Horizontal Lead Joint Caps	LF	
SE 03	Installation of Vertical Movement Joint	LF	
TC 01	Terra Cotta Crack Repair	LF	
TC 02	Terra Cotta Spall Repair	SF	

WEST VIRGINIA STATE CAPITOL  
MASONRY CLEANING & REPAIR PROJECT  
SHCA PROJECT #: 5827.D

TC 03	Remove and Reset Terra Cotta Cornice	LF	
TC 06	Coat Terra Cotta (2-Color)	SF	
---	Rehabilitate Double-Hung Bronze Windows (Types A-G), including temporary protection of opening	EA	
---	Rehabilitate Casement Window (Type H)	EA	
---	Rehabilitate Casement Window (Type I)	EA	
---	Rehabilitate Transom Windows Above Main Entrance	EA	
---	Rehabilitate Exterior Light Fixtures	LS	
---	Restore N and S Main Entrance Doors (incl pocket door)	EA	
---	Restore Bronze Perimeter Railing at N and S Entrance	EA	
---	Restore Bronze Lamps at N and S Main Entrance	EA	
---	Refinish Bronze Doors	EA	
---	Refinish Bronze Fixtures at North Elev. Side Entrances	EA	
---	Refinish Bronze Grilles	EA	
---	Pipe Scaffolding at Elevations from Ground Level	SF	
---	Pipe Scaffolding at Entrance Portico	SF	
---	Scaffolding at Dome Drum	SF	
---	Hanging Scaffold Drop	EA	
PR 01	Bird Netting at Column Capitals	EA	
PR 02	Bird Netting at Undersides of Portico/Balcony Ceilings	SF	

WEST VIRGINIA STATE CAPITOL  
 MASONRY CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

TOTAL BID BREAKDOWN (Including Overhead and Profit)

<b>SECTION</b>	<b>DESCRIPTION</b>	<b>COST</b>
	Scaffolding / Rigging / Mobilization	\$
02070	Removal Work, Selective Demolition and Protection	\$
02222	Protection, Salvage and Removal of Historic Elements	\$
04100	Mortar and Repointing	\$
04520	Stone Restoration	\$
04530	Terra Cotta Restoration	\$
04902	Masonry Cleaning	\$
05120	Structural Steel	\$
05910	Treatment of Historic Ornamental Metal	\$
07620	Sheet metal Flashing and Trim	\$
07920	Joint Sealant	\$
08520	Bronze Window Restoration	\$
09890	Coating Removal	\$
09900	Painting	\$
10296	Bird Deterrent Netting	\$
	Lighting Fixtures and Lamps	\$
<b>TOTAL</b>		<b>\$</b>

WEST VIRGINIA STATE CAPITOL  
 MASONRY CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

SUBCONTRACTOR LIST

01510	-	Enclosed Scaffold System	_____
02070	-	Removal Work, Selective Demolition and Protection	_____
02222	-	Protection, Salvage and Removal of Historic Elements	_____
04100	-	Mortar and Repointing	_____
04520	-	Stone Restoration	_____
04530	-	Terra Cotta Restoration	_____
04902	-	Masonry Cleaning	_____
05100	-	Structural Steel	_____
05910	-	Treatment of Historic Ornamental Metal	_____
07620	-	Sheet metal Flashing and Trim	_____
07920	-	Joint Sealants	_____
08520	-	Bronze Window Restoration	_____
09890	-	Coating Removal	_____
09900	-	Painting	_____
10296	-	Bird Deterrent Netting	_____
16510	-	Lighting and Lamps	_____

ALTERATION OF BID

This Bid may be altered prior to the Time of Bid opening.

REJECTION OF BID

The undersigned acknowledges the Owner's right to reject bids, to reject subcontractors or firms, and to waive informalities in the bidding.

WEST VIRGINIA STATE CAPITOL  
 MASONRY CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

NOTICE OF ACCEPTANCE

The undersigned designates the person and office, to which Notice of Acceptance may be mailed, telegraphed or delivered:

Respectfully submitted,

BY  
 (Signature)

FIRM

ADDRESS

DATED:  
 (Corporate Seal Above)

NOTE: Type under signature the name and title of signing officer. If Bidder is a corporation, write State of Incorporation under firm address, and if a partnership, give full name of parties.

DIRECTIONS FOR MAILING BIDS

Envelope containing Bid must be sealed, marked and addressed as follows:

ADDRESS:

State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130  
 Attn: Krista Ferrell, Senior Buyer

TIME OF RECEIPT

Date

Time

Mark on lower left hand of envelope: "MASONRY CLEANING AND REPAIR PROJECT"

All Bids must be submitted in triplicate on this Bid Form.

## **SECTION 01030 - ALTERNATES**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. This Section includes administrative and procedural requirements governing Alternates.

#### **1.2 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section, except as modified herein.

#### **1.3 DEFINITIONS**

- A. Definition: An alternate is an amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if the Owner decides to accept a corresponding change in either the amount of construction to be completed, or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
1. 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.

#### **1.4 PROCEDURES**

- A. Coordination: Modify or adjust affected adjacent Work as necessary to completely and fully integrate that Work into the Project.
1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not mentioned as part of the Alternate.
- B. Notification: Immediately following the award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate whether alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- C. Execute accepted alternates under the same conditions as other Work of this Contract.
- D. Costs: Costs listed for each alternate include costs of related coordination, modification or adjustment.
- E. Schedule: A "Schedule of Alternates" is included in Part 3 of this Section. Specification Sections referenced in the Schedule contain requirements for materials necessary to achieve the Work described under each alternate.



## **PART 2 - PRODUCTS (Not Applicable)**

## **PART 3 - EXECUTION**

### **3.1 SCHEDULE OF ALTERNATES**

A. Alternate No. 1: Replace Glazing Putty on All Bronze Windows not being Reglazed under the Base Bid (First, Second and Third Floors – See A-702 through A-704).

A.B. Alternate No. 12: Electrical / Lighting Repairs shall include:

Replacement of all elements shall match the historic ones. All fixtures to be UL listed for damp locations. All wire should be suitable for outdoor use. All new lighting rehabilitation is predicated on the successful results of mockups at the colonnade, north and south porticos, east and west balconies, east and west porticos, free standing ornamental lamps and wall scones.

Colonnade Lights: Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Install 31 Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½” 120v generator, 6 11/32” power coupler, 7 1/16” 3000K discharge vessel.
- Provide 31 new 14-inch diameter opal globes to fit 8-inch fitter.
- Replace one (1) missing 8-inch bronze spun fitter to match existing.

North Portico Lights: Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Install nine (9) Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½” 120v generator, 6 11/32” power coupler, 7 1/16” 3000K discharge vessel.
- Replace eight (8) missing globes with salvaged globes.
- Replace eight (8) missing 8-inch bronze spun fitters to match historic.

South Portico Lights: Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Install nine (9) Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½” 120v generator, 6 11/32” power coupler, 7 1/16” 3000K discharge vessel.
- Replace eight (8) missing globes with salvaged globes.
- Replace eight (8) missing 8-inch bronze spun fitters to match historic.

East Balcony & West Balcony: Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Replace ten (10) sodium halide lights with new Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½” 120v generator, 6 11/32” power coupler, 7 1/16” 3000K discharge vessel.
- Provide ten (10) new 14-inch diameter opal globes to fit 8-inch fitter.
- Replace ten (10) missing 8-inch bronze spun fitters to match historic.

East & West Porticos: Replace porcelain sockets and locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

WEST VIRGINIA STATE CAPITOL  
 MASONRY CLEANING & REPAIR PROJECT  
 SHCA PROJECT #: 5827.D

- Replace six (6) lights with new Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½" 120v generator, 6 11/32" power coupler, 7 1/16" 3000K discharge vessel.
- Provide six (6) new 14-inch diameter opal globes to fit 8-inch fitter.
- Replace six (6) missing 8-inch bronze spun fitters to match historic.

Free-Standing Ornamental Lamps at North and South Entrance:

- Retrofit four (4) lamps with Philips QL Induction 85W, 3000K. Locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

Bronze Wall Scones at North Elevation:

- Retrofit four (4) lamps with Philips QL Induction 85W, 3000K. Locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.
- Replace glass with translucent patterned glass.

Aluminum Fixtures at Spiral Stairs, Dome Drum: Locate generator at existing power switch; pull connecting wiring between generator and lamp through existing conduit.

- Replace six (6) aluminum fixtures with new similar fixtures. Use long-life incandescent bulbs.

Governor's Drive Underpass Entrance: Locate generator at existing power switch; pull connecting wiring between generator and power coupler through existing conduit.

- Replace four (4) sodium halide lights with new Philips QL Induction, 85W, 3000K lights, or approved equal. Each unit to be comprised of a 5 ½" 120v generator, 6 11/32" power coupler, 7 1/16" 3000K discharge vessel. Locate generator remotely.
- Provide four (4) new 14-inch diameter opal globes to fit 8-inch fitter.
- Replace four (4) missing 8-inch bronze spun fitters to match historic.

**END OF SECTION 01030**