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Title: City Engineer
Date: 11/19/2012

November 16, 2012

**Addendum Number 1 to the Contract Documents for the
Invitation to Bid for P21071; Springfield Museum Brick and Mortar Repair**

The City of Springfield is amending the above mentioned Invitation to Bid issued on October 29, 2012. This Addendum is hereby made a part of the original contract documents to the same extent as though it were originally included therein.

- 1.) SPECIAL PROVISIONS, PART 1 - GENERAL, Section C.) Overall Project Description and Scope of Work, Paragraph 3:

The following text is deleted in its entirety:

Test panels will be required to demonstrate the skills of workers. Locate an area that is NOT in a highly visible location for cleaning and re-pointing. Each of the Contractor's workers who will be removing the existing cement mortar will demonstrate their skills in front of the Project Manager who will approve those workers who will grind out patches of cement mortar. Refer to *Preservation Brief #2, Re-pointing Mortar Joints in Historic Masonry Buildings*, for additional information at the address below.

The deleted text is replaced with the following:

Test panels will be required to demonstrate the skills of workers. Locate an area that is NOT in a highly visible location for cleaning and re-pointing. Each of the Contractor's workers who will be removing any existing-mortar will demonstrate their skills in front of the Project Manager, and/or the State Historic Preservation Officer, who will approve those workers who will grind out patches of all mortar. Refer to *Preservation Brief #2, Re-pointing Mortar Joints in Historic Masonry Buildings*, for additional information at the address below.

(<http://www.nps.gov/history/HPS/TPS/briefs/brief02.htm#Finding%20an%20Appropriate%20Mortar%20Match>)

- 2.) SPECIAL PROVISIONS, PART 2 – EXECUTION, MEASUREMENT AND PAYMENT, Section A.)
General, Bid Item 04060 Removal and Replacement of Mortar:

The following text is deleted in its entirety:

At old mortar joints that have deteriorated 1/2 inch or more in depth the old mortar shall be removed to a minimum depth of 2 to 2-1/2 times the width of the joint to ensure an adequate bond and to prevent mortar "popouts". Any loose or disintegrated mortar beyond this minimum depth also should be removed. Only hand chisels and mash hammers shall be used on historic mortar. At all mortar joints that have been previously re-pointed with a cement mortar the cement mortar must be removed entirely before re-pointing. These cement mortar horizontal joints may be removed by grinding with a mini-grinder and a 1/8 inch diamond wheel. The remaining cement mortar in the horizontal joints may be removed by hand with a mason chisel and hammer or with a pneumatic chisel. All vertical joints shall be cleaned with hand or pneumatic tools only. All joints being repaired are to be cleaned out with low pressure water (100 psi or less) to remove all loose particles and dust prior to re-pointing. Do not remove more mortar at any one time than can be properly re-pointed in any given work day. Do not remove more mortar than the wall will withstand without the integrity of the wall being compromised.

The deleted text is replaced with the following:

At old mortar joints that have deteriorated ½ inch or more in depth the old mortar shall be removed to a minimum depth of 2 to 2-1/2 times the width of the joint to ensure an adequate bond and to prevent mortar "popouts". Any loose or disintegrated mortar beyond this minimum depth also should be removed. Hand chisels and mash hammers are the preferred removal method to use on historic (soft lime) mortar, however using power tools on soft lime mortar will be acceptable if demonstrated and proven to the satisfaction of the Project Manager and/or the State Historic Preservation Officer that it can be done without damage to the surrounding brick (as described in Part 1 – General C.3. above). In all cases, power tools shall only be used on horizontal joints. At all mortar joints that have been previously re-pointed with a cement mortar, the cement mortar must be removed entirely before re-pointing. These cement mortar horizontal joints may be removed by grinding with a mini-grinder and a 1/8 inch diamond wheel. The remaining cement mortar in the horizontal joints may be removed by hand with a mason chisel and hammer or with a pneumatic chisel. All vertical joints shall be cleaned with hand or pneumatic tools only. All joints being repaired are to be cleaned out with low pressure water (100 psi or less) to remove all loose particles and dust prior to re-pointing. Do not remove more mortar at any one time than can be properly re-pointed in any given work day. Do not remove more mortar than the wall will withstand without the integrity of the wall being compromised.

3.) SPECIAL PROVISIONS, PART 2 – EXECUTION, MEASUREMENT AND PAYMENT, Section A.)
General, Bid Item 04910 Removal and Placement of Brick: Paragraph 2.

The following text is deleted in its entirety:

Carefully remove deteriorated brick units by hand using a hammer and chisel.

The deleted text is replaced with the following:

Carefully remove deteriorated brick units. Hand chisels and mash hammers are the preferred removal method to use on historic (soft lime) mortar, however using power tools on soft lime mortar will be acceptable if demonstrated and proven to the satisfaction of the Project Manager and/or the State Historic Preservation Officer that it can be done without damage to the surrounding brick (as described in Part 1 – General C.3. above). In all cases, power tools shall only be used on horizontal joints.

4.) SPECIAL PROVISIONS, PART 2 – EXECUTION, MEASUREMENT AND PAYMENT, Section A.)
General, Bid Item 04910 Removal and Placement of Brick: Paragraph 4.

The following text is deleted in its entirety:

Where appropriate, salvaged bricks and/or bricks that match shall be used. Replacement bricks to be used shall be one of two options specified. Contractor and Project Manager shall examine the bricks that have been removed from the wall. If the back or non-exposed side of the brick is in good enough condition then these bricks shall be rotated and reinstalled in the wall. If the bricks are not reusable then the Contractor shall obtain salvaged bricks from another source to replace the damaged bricks. The method of replacement will be at the sole discretion of the Project Manager.

The deleted text is replaced with the following:

Salvaged bricks and/or bricks that match shall be used. All replacement bricks to be used shall be determined by one of three options specified. The method of replacement will be at the sole discretion of the Project Manager. Samples of all replacement brick, salvaged or new, must be provided for viewing on-site by all parties and approved by the Project Manager prior to beginning work on the project.

- 1.) Contractor and Project Manager shall examine the bricks that have been removed from the wall. If the back or non-exposed side of the brick is in good enough condition then these bricks shall be rotated and reinstalled in the wall.
- 2.) If the bricks are not reusable then the Contractor shall obtain salvaged bricks from another source to replace the damaged bricks.
- 3.) The use of new or modern brick will only be considered as a last resort.

5.) SPECIAL PROVISIONS, PART 2 – EXECUTION, MEASUREMENT AND PAYMENT, Section A.)
General, Bid Item 04210 Replacement Brick:

The following text is deleted in its entirety:

The replacement face brick is to match the existing historic brick in size, color and texture. Units will blend in with the full range of masonry units rather than a single brick. Solid brick with exposed surfaces finished. Salvaged brick must match the existing brick in size, finish and color to the greatest extent possible. Samples

of replacement brick must be provided and approved by the Project Manager prior to beginning work on the project.

The deleted text is replaced with the following:

The replacement face brick is to match the existing historic brick in size, color, texture, hardness and vintage to the maximum degree possible with preference given to the use of salvaged brick. The use of new or modern brick will only be considered as a last resort. Units will blend in with the full range of masonry units rather than a single brick. Solid brick with exposed surfaces finished. Samples of all replacement brick, salvaged or new, must be provided for viewing on-site by all parties and approved by the Project Manager prior to beginning work on the project.

In the event that it is necessary to further amend, revise or supplement any part this Invitation to Bid additional addenda will be posted on the City's website at [http://www.springfield-or.gov/Pubworks/P21071 Springfield Museum Brick and Mortar Repair.htm](http://www.springfield-or.gov/Pubworks/P21071_Springfield_Museum_Brick_and_Mortar_Repair.htm)

The City will make a reasonable effort to provide the addenda to all Bidders to whom City provided the initial Invitation to Bid. The City is not responsible for any explanation, clarification, interpretation or approval made or given in any manner except by written addenda issued by City.

All addenda issued are considered to be part of the specifications of the Invitation to Bid and, as such, are incorporated into the Contract as specified in Section 104.02 of the Standard Construction Specifications.

By signing below, I acknowledge the receipt of the following Addenda documents and certify that the specifications contained have been considered and incorporated into the bid as presented.

ALL BIDDERS MUST ACKNOWLEDGE THIS ADDENDUM BY SIGNING AND DATING THIS DOCUMENT AND INCLUDING IT AS PART OF THEIR SUBMITTAL PACKAGE.

Signature

Date