SPECIAL PROVISIONS
FOR
BRIDGE DECK REMOVAL

Clayton County
BHM-CHBP-2315(607)--NA-22

Effective Date
March 16, 2021

THE STANDARD SPECIFICATIONS, SERIES 2015, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

152034.01 DESCRIPTION.

A. This specification identifies the Contractor's responsibilities for removal of the existing bridge deck as necessary to construct a new deck, without damage to the existing limestone bridge.

152034.02 EXISTING DECK MATERIALS

A. Cores were conducted in the existing bridge deck. Testing results from samples collected at the existing structure are included in Appendix A (dated September 3, 2010).

152034.03 CONSTRUCTION

A. Construction shall include removal of existing fill material to the depth necessary to install the tie rods, rubber waterproofing membrane with sand cushion, and special backfill through the bridge area. It shall also include removal of the existing tie rods on the north side of the structure including removal of the existing material to the depth necessary to remove existing tie rods on the north side of the structure as shown in the contract documents. Includes removal of turnbuckle and exterior plates on the south side of the structure as connected to the existing tie rods

152034.04 METHOD OF MEASUREMENT

A. Bridge Deck Removal shall be paid for by the contract unit price per square yard and shall be the quantity indicated in the plans.

152034.05 BASIS OF PAYMENT.

A. Bridge Deck Removal shall include all materials, labor, and equipment to remove the existing bridge deck and concrete curbs between the spandrel walls in accordance with the staging plan

as identified in the plans. Removal of the brackets, walkway, and railing on the north side of the structure will be included in the Structure Removal bid item. Contractor shall be responsible for disposal of material and contractor shall prevent material from entering the Turkey River.

E & H RESTORATION, L.L.C.

Engineers – Contractors

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Nate Miller
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RE: Keystone Bridge Coring

Dear Nate,

On January 22nd and 23rd we took five (5) core samples and two (2) mortar samples from the Keystone Bridge. Below are the pictures of the work that was completed. Core sample #1 and #2 were not deep enough to reach the underlying stone below the bridge deck. We cored to a depth of approximately 26". We were able to extract approximately 8" of the underlying limestone on cores #3 & #4. Core sample #5 was taken from the wall on the SW corner of the bridge, from the lower landing. Mortar sample #1, believed to be primarily soil, was removed by core sample #5. It is assumed the material extracted will not be suitable for testing. Mortar sample #2 was removed from the parapet wall on the SW corner of the bridge. E&H did not document core sample #1 due to IIW being on site and actively documenting it. Samples were collected and delivered to IIW on 01/23/20.

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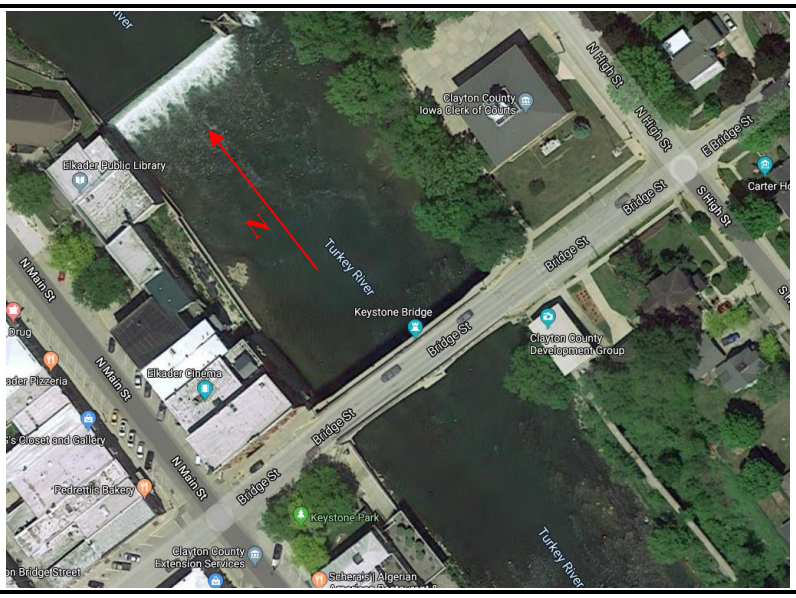
Job Site Observations	Keystone Bridge

Picture #1	Remarks
	Aerial view of the bridge showing plan North, for the purpose of identification and discussion.

Picture #2	Remarks
	Location of core sampling by reference number.

Job Site Observations	Keystone Bridge

Picture #3	Remarks
	Location of mortar sampling

Picture #4	Remarks
	Core #2 Description Top to Bottom: Asphalt, Brick, Sand Concrete, Rubble, Soil, Rubble (From Left to Right)

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Job Site Observations	Keystone Bridge

Picture #5	Remarks
	Core #3 – A eight inch piece of limestone was able to be extracted after this picture and is not shown. Description Top to Bottom: Asphalt, Brick, Sand, Concrete, Mortar / Grout, Sand, Limestone (From Right to Left)

Picture #6	Remarks
	Core #4 Description Top to Bottom: Asphalt, Brick, Sand, Concrete, Rubble, Limestone, Mortar, Limestone (From Right to Left)

Job Site Observations	Keystone Bridge

Picture #7	Remarks
	Core #5 – Limestone only

Picture #6	Remarks
	Mortar sample #1 Location Once the newer mortar was removed from the surface the original mortar was severely eroded and had been replaced by what appears to be frozen soil.

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Job Site Observations	Keystone Bridge

Picture #8	Remarks
	Mortar sample #2 Location

Thank you,

George M. Rucker IV

E&H Restoration, L.L.C.

Vice President

Equal Opportunity Employer