

**DATE:** October 16, 2023; 10:15 am – 11:15 am

**WORK IN PROGRESS:** Installation of replacement stone

**PRESENT AT SITE:** Mike Madone/Mountain Masonry; Danielle Lewon/SHF; Tim and Kris Hoehn/HAPC

**DISTRIBUTION:** All present; Carl Young, Kim Trujillo/Huerfano County; Donald Harvey/ANA; Kate McCoy/CPI

**NOTES/OBSERVATIONS:**

1. The replacement and refacing of the stone on the north face of the tower is underway. The stone at the bottom of the wall has been installed, ready for retooling and repointing. (See Photo #1.) Stones remaining to be installed include the lintel above the main level window and the stones immediately below the tower cornice.
2. The replacement and refacing of the stone on the north end of the east elevation, including the belt course, is also underway. Some of the stones appear quite brown, which will be lightened with sand blasting, similar to the treatment proposed and approved at the first site visit.
3. A question arose about a treatment specified for a stone at the southernmost main level window on the north side of the east elevation; the stone in question is located immediately below the lintel stone. The drawings show two stones rather than one, with the shorter stone adjacent to the window; in addition, the drawings call for the shorter stone to be both refaced and pinned to the longer stone. However, the treatment will require a deep reface for the single stone, given its location at the window jamb. The masons asked that the stone not be pinned since it will require a deep reface and is one stone rather than two. The proposed change was approved with the condition that the lintel stone be shored prior to refacing the stone in question. (See Photo #2.)



Photo #1: The stones at the bottom of the north tower wall have been replaced. Remaining required effort includes retooling the radiused water table stones and repointing.



Photo #2: The south bearing stone at this window will receive a deep reface. No pinning is required. However, the lintel stone should be shored prior to refacing.

4. Some of the water table stones with radiused tops, located above the garden level windows, have been installed; the execution of the tool marks that duplicate the original are underway. (Re: Photo #3.) Mike noted that the replacement stone is much harder than the original.

5. The color of the replacement flashing required at the second floor balcony was selected. Rather than matching the existing dark brown flashing, the replacement flashing will more closely match the color of the stone. The color “Surrey Beige” was selected. (See Photo #4.)



Photo #3: The process for achieving tool marks similar to the original on the radiused top surface of this stone is being tested here.



Photo #4: The sheet metal flashing required at the second floor balcony will closely match the color of the stone.

6. A small sample of the Jahn M70 patching mortar to be used at the main entry columns was available for review. It was approved. (See Photo #5.)
7. The repointing of the stone at the south end of the east elevation is mostly completed. The stones at the bottom of the southeast corner will be replaced when the next shipment of stone is delivered. (Re: Photo #6.)

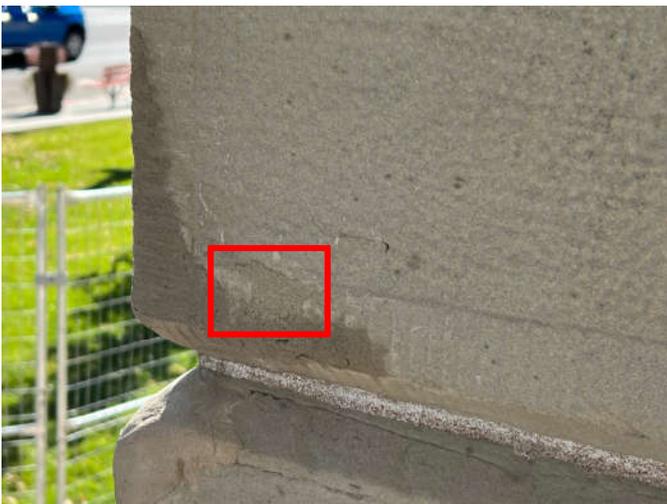


Photo #5: A new sample of patching mortar was available for review and approval.



Photo #6: The stones at the bottom of the southeast corner still require replacement. The water table stones above the garden level windows are in poor condition.

8. It was observed that the water table stones with radiused tops, located above the garden level windows at the south side of the east elevation, are in poor condition. (Re: Photo #6.) No treatment was specified on the drawings for this course of stone. Mike is going to provide pricing for the fabrication and installation of the deep refacing of these stones. An amount of \$37,808 remains in the contingency budget.
9. The required work at the first and second floors of the tower's east face, including the plaster sign, will occur next. The reconstruction of the main entry's cheek walls will be addressed last. Mike anticipates that the project should be completed by year's end.



Photo #7: Guardrails are needed along the north and south sides of the main entry porch. Their design should match the existing railing system.

10. Earlier during construction, Carl requested that guardrails be installed at the north and south sides of the main east entry. The new guardrails should match the existing railings. (Re: Photo #7.) Mike offered to put together a budget for their fabrication and installation. Since the guardrails are not part of the SHF scope of work, the cost will have to be borne by the County.

End of Field Report No. Four