

KEYSTONE
**ENGINEERING
& CONSULTING**

BAREFOOT TRACE REHABILITATION PROJECT

Project Summary: #2

Reporting Period: 09-14-2024 through 09-27-2024

St. Johns County Permit # 12411351

Project Engineer: Jason Boatright

Prime Contractor: R.L. James

Field Superintendent: Chad Edwards

PROJECT LOCATION

6240 SR-A1A, Saint Augustine, Florida 32080

The seven assigned personnel made significant progress this two-week reporting period with no inclement weather to cause critical path delays. Keystone visited the site on multiple occasions and noted general compliance of the International Concrete Repair Institute(ICRI) guidelines and the project manual specifications.

This period crew members continued the concrete activities on the 2nd and 3rd floor walkways by excavating areas previously painted by Keystone. The process began with saw-cutting a geometric shape at the perimeter of the repair followed by excavations with electric chipping hammers. Exposed reinforcement was mechanically cleaned to remove all scale and bond-inhibiting matter to achieve a proper interface between the repair mortar and steel.

The staff also began the painting work on the 4th floor walkway after completing removal and replacement of failed fenestration perimeter sealant as directed by the engineer. The sealant was dry-tooled using 100% polyurethane sized in accordance with the Sealant, Waterproofing and Restoration Institute. The paint activities commenced on the southern portion of the walkway working northward with the initial preparation the application of a sufficient dosage of hypochlorite for mildew treatment with the 20-minute wait time for product effectiveness, followed by thoroughly pressure-washing the substrate to remove all surface contamination. Once the substrate was fully dried, the crew began The application of Sherwin Williams Guide-Coat Conditioner began after the surfaces were fully dry.



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Figure 1. Primer application on the 4th Floor Walkway.



Figure 2. North Side of 4th Floor Walkway Primed.

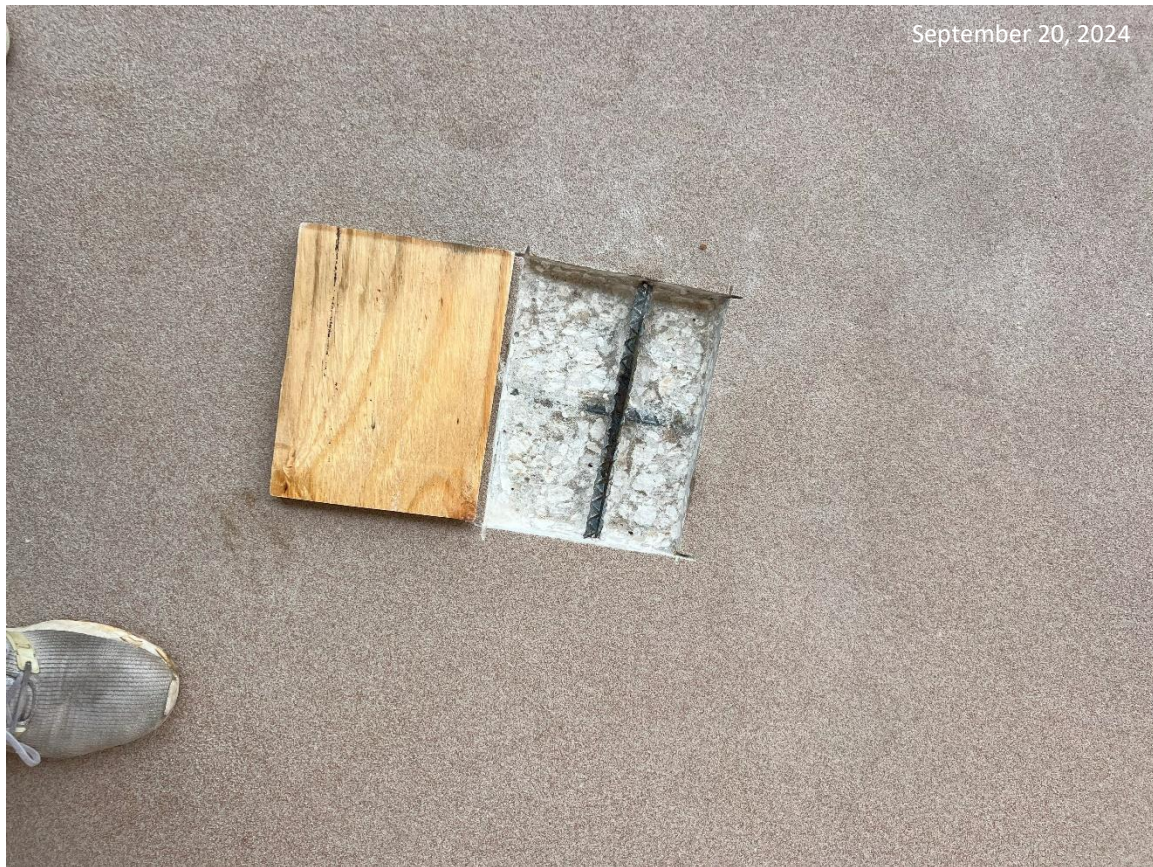


Figure 3. Minimum Surface Repair In-Progress.



Figure 4. Employee Preparing to Form a Full Depth Repair.



Figure 5. Example of Failed Sealant.



Figure 6. Example of Failed Sealant.



Figure 7. Example of Failed Sealant.