



Preparing spalled areas for EpoxyFix placement. After jack hammering, areas were high pressure blasted.



After removing deleterious material, crews began filling with clean 3/8" aggregate.



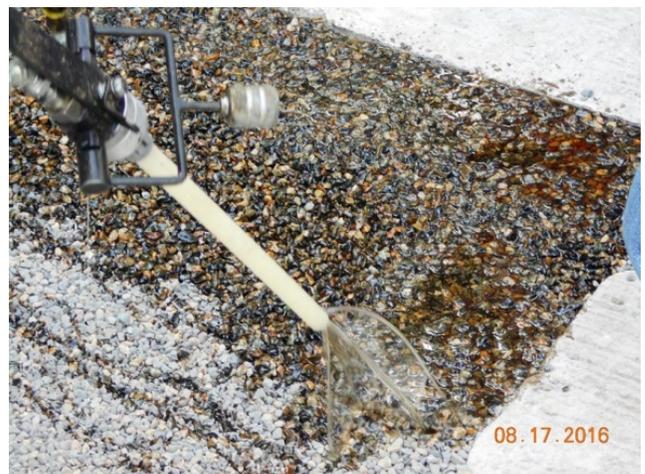
Surfaces of filled cut-outs were leveled with a lute and straight edge.



Cut-outs completely filled with stone, leveled, and ready for epoxy.



Flushing dispensing equipment.



Applying epoxy. Area is completely flooded with material.



Fine aggregate applied for skid resistance before epoxy fully cures.



Patched areas complete, cured, and ready for traffic.

From Five Star's Technical Data Sheet:

Advantages

High moisture tolerance

Superior bond strength

No priming required to bond to concrete, asphalt or steel

Traffic ready in as little as 40-50 minutes¹ at 70°F (21°C)

Use any clean, locally sourced stone (does not need to be kiln-dried)

Penetrates deeply for single and multiple lift repairs

No toxic fumes during application.

Make repairs, resurface pavements and apply protective coating year round — hot or cold.

Uses

Expansion joint and bridge header reconstruction

Control joint filler

Spall and pothole repairs

Surface repairs on roads, bridges, runways, industrial floors, parking lots

General concrete patching where flexibility is required

Available as a 10 gallon kit for \$550.00. May also be purchased in a 100 gallon units (50 gallons A & B).

Crushed stone aggregate (3/8") may be purchased in 50 lb. bags from Five Star or sourced locally.

GPS Coordinates: 44.05582, 69.77261

Prepared by Doug Gayne, Transportation Research Division,
State of Maine Department of Transportation
207-624-3268

September 9, 2016