



Epoxy Injection



2023 Highway Maintenance Conference



Agenda

- 2022 Deck Injection Projects
- 2022 Soil Stabilization Projects
- 2022 Beam Injection Project

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Deck Injection – The Purpose

- Fill Voids in between debonded overlay and old hydro demolished surface
- Prevent Further Deterioration of Surface



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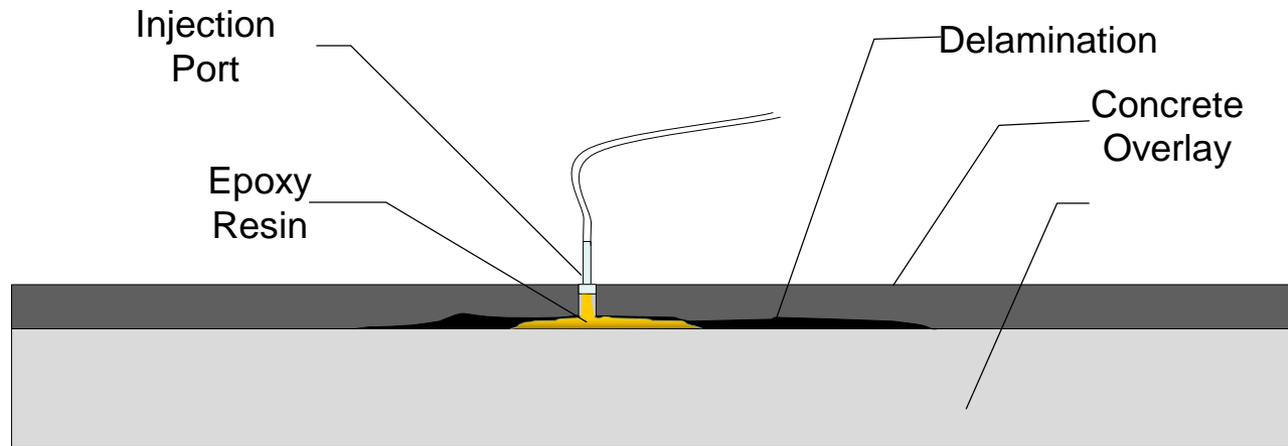
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Deck Injection – The Concept



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Deck Injection – The Ideal Candidate

- Debonded shallow overlay
- Tight surface cracks
- No spalls or very little spalling
- Light to no cracking on soffit

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Deck Injection – The Process

- Equipment & Materials
- Locating Delaminations
- Preparation of the Deck
- Drill Holes in Deck
- Seal Surface Cracks
- Placement of the Ports
- Epoxy Injection
- Check the Repair
- Removal of Ports

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Fletcher Rd Over US-127 Injection



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6th St Over I-94 Deck Injection



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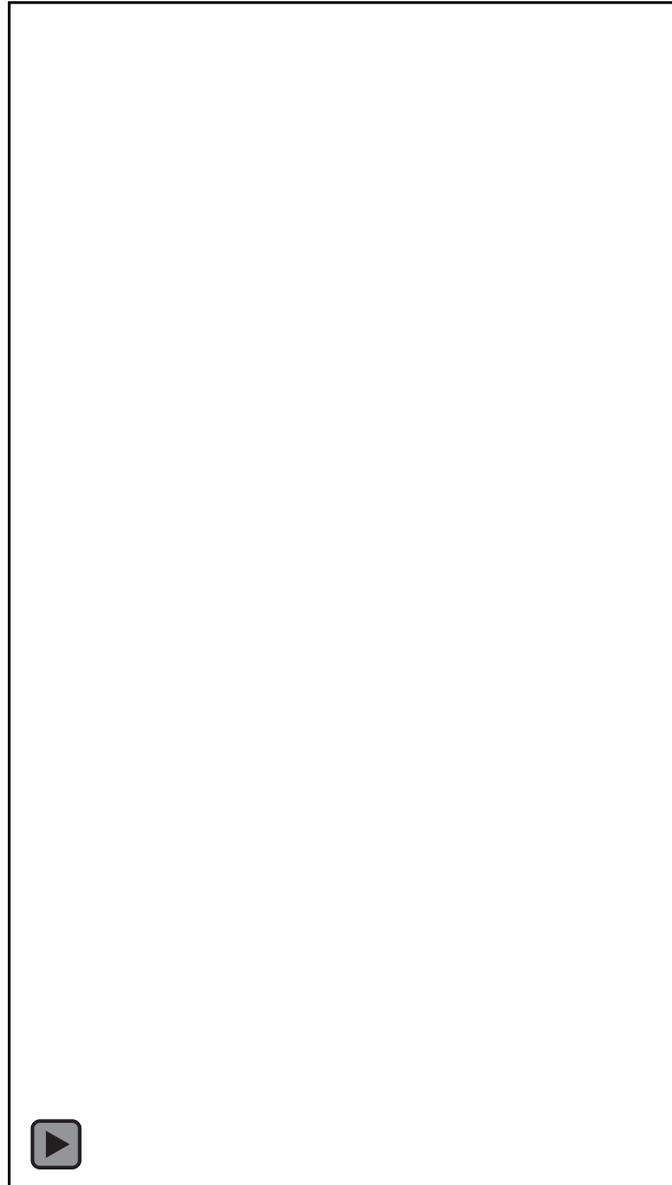
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6th St Over I-94 Deck Injection



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Brimley Deck Injection



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Carpenter Rd Deck Injection

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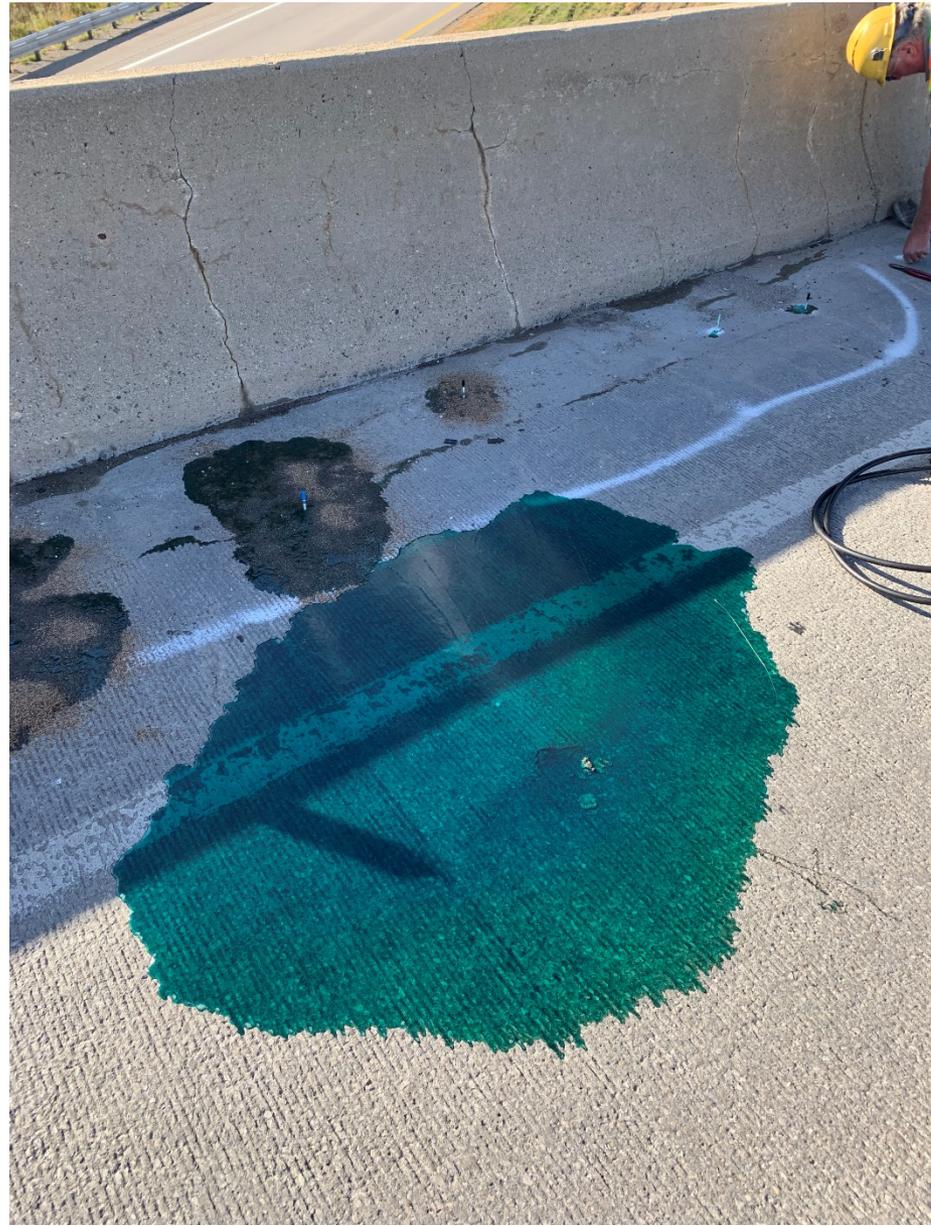
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Carpenter Rd Deck Injection

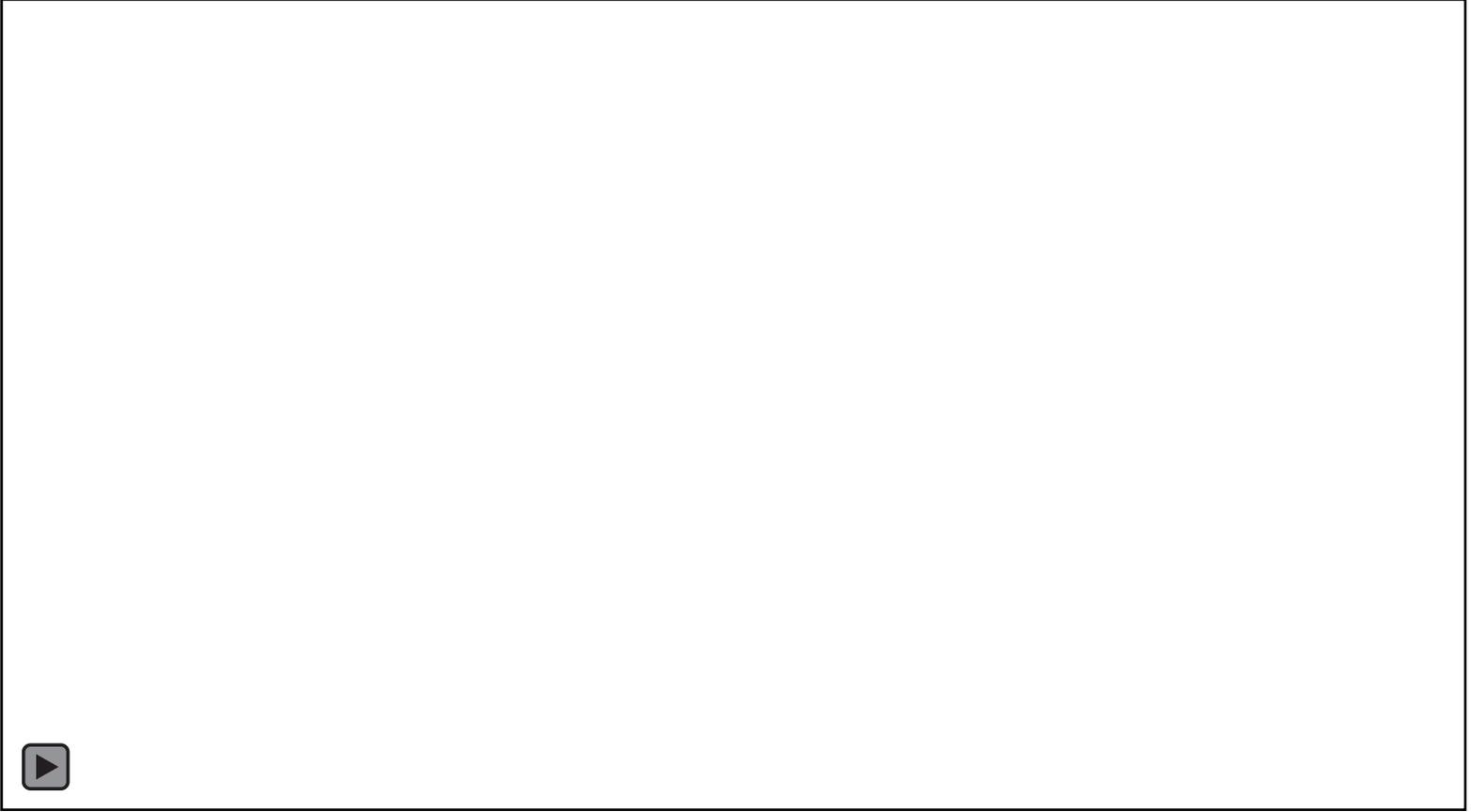


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Joy Rd HLH Beam Injection



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Grand Haven Abutment Injection



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M-55 Muskegon River Soil Stab



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M-57 Soil Stab of Box Culvert



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M-57 Box Culvert

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Bay Rd Saginaw



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Questions?????



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