



## Case Studies Epoxy Overlay

**Project Title: Epoxy Overlay for Bridge over Lake Anna**

Customer: Marksmen  
Location: Spotsylvania, VA  
Percent Complete: 100%  
Completion: 3/15/10



**Scope of Work:** The bridge deck was received an overlay of EP-5 Modified epoxy with broadcast sand. This material provides a protective coating on the bridge deck to prevent corrosion and scaling on the wearing surface.

**Equipment:** Blast track unit for surface preparation. Drill with a jiffy mixer for mixing resins. Rollers and squeegees for application of resins.

**Installation:** The preferred method of surface preparation was mechanical abrading. Using a low speed drill motor and a "Jiffy" type mixer, mixed the Part A & B components for approximately 1 minute. They applied mixed EP5 MODIFIED binder to the prepared surface using roller and squeegee. Then immediately broadcasted clean, dry aggregate to full saturation until no wet spots appeared. After the binder was cured, they broomed and vacuumed the excess aggregate.

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