

PROJECT > NHDOT Bridge Deck Repair Route 25

QUIKRETE® FastSet™ Latex Modified DOT Overlay
Piermont, NH



PROJECT DESCRIPTION:

A bridge built in 1928 on Route 25 connecting Piermont, NH and Bradford, VT Jersey had deteriorated over time due to harsh winter weather, deicing salts and heavy vehicle traffic. The New Hampshire Department of Transportation (NHDOT) used QUIKRETE® FastSet™ Latex Modified DOT Overlay in 1" to 3" lifts to rehabilitate the bridge deck without disrupting traffic on Route 25. Unlike the traditional multi-step process of restoring bridge decks by making individual full and partial depth patches and then applying a new 1 ½" overlay, QUIKRETE® FastSet™ Latex Modified DOT Overlay fills all partial and full depth repair areas and places a new wear surface in a single application.

QUIKRETE® FastSet™ Latex Modified DOT Overlay is a AR glass fiber reinforced, very low permeability, rapid-setting overlay material specifically designed to fast track concrete bridge deck repair and to extend the service life of concrete bridge decks. Each 3,000-pound bulk bag, which should be mixed to a slump of 5" to 8", covers approximately 700 square feet when applied at a .5" depth, 350 square feet when applied at 1" depth and 250 square feet when applied at 1 ½" depth. Using a volumetric mobile mixer or in a ready mix truck, mix no more material than can be used in 30 to 45 minutes and with the proper surface preparation, QUIKRETE® FastSet™ Latex Modified DOT Overlay can be applied in full-depth repairs up to 8" in a single application. The material contains an integral corrosion inhibitor and reaches 3,000 PSI in just three hours.

CONTRACTOR: New Hampshire DOT

QUIKRETE® PRODUCTS:

- 80 lb QUIKRETE® FastSet™ Latex Modified DOT Overlay: 106 bags

PROJECT START DATE:

October 2014

PROJECT COMPLETION DATE:

October 2014



QUIKRETE® Fast Set™
Latex Modified DOT Overlay >>

