

A New York State DOT Super-Slab® Pavement Repair Project

Rt.17 Bridge Approach Slabs Contract No. D260628 Vestal, New York

Project Particulars

Owner: The New York State Department of Transportation

Traffic Count: 50,000ADT

Work Window: 16 Hours per lane; two separate day shifts

Type of Contract: Design, Bid, Build

Specification: NYSDOT 704.15

Type of Repair: Bridge Approach Slabs



This project consisted of the installation of four approach slabs (two on the approach and two on the leave side) of a two-lane bridge on NY Route 17 in Broome County, part of the upgrading of this section of highway in preparation for its re-designation as I-86. The top elevation of the existing abutment backwall shelf had to be raised with a pour of high-early-strength extended grout mixture to support the slabs at the correct new elevation. Dowels to connect the slabs to the bridge were drilled and epoxied into the new shelf. This project demonstrated that the entire installation of a lane of new approach slabs could be completed in 16 hours including demolition, forming and pouring new shelf, grading of subgrade, installation of slabs, grouting, and opening to traffic.

Slab Details

Slab Dimensions: 12' Wide (Nom.) X 10' Long X 15" thick

Slab Area: 544 SF (60 SY)

No. Slabs: 4



Slab Installation

Installation Dates: May, 2009

Time for Installation: 2 days per lane

Production Rate: 2 slabs per day



No cure time required before opening slabs to traffic!

Project Participants

New York State Department of Transportation; Owner

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*Super-Slab® is protected under at least one of US Patent numbers; (6,607,329), (6,663,315), (6,709,192), (6,899,489), (6,962,462) and (7,004,674) and other U.S. and foreign patents pending. Super-Slab® is a registered US Trademark owned by The Fort Miller Co. Inc.



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