

A Virginia Department of Transportation Super-Slab® Pavement Repair Project



I-66 Highways for LIFE IM-066-1(322) Fairfax County, VA

Project Particulars

Owner: Virginia Department of Transportation

Traffic Count: Not available (Exit Ramp)

Work Window: 7-Hour Night-time Closure

Type of Contract: Design, Bid, Build

Specification: Virginia DOT Special Provision

Type of Repair: Continuous



This first precast concrete paving project in Virginia was funded in part as a demonstration project by the FHWA Highways for LIFE program. The specifications contained a unique provision which defined the successful bidder as the contractor who proposed to construct the most pavement for the maximum contract price of \$5,000,000. The Super Slab system was used on the WB exit ramp from I-66 which connected to Route 50. The challenging 3-dimensional geometry included a horizontal S-curve and the requirement to match into an adjacent concrete lane which remained in place. A trial installation also had to be completed in order for the system to be approved.

Slab Details

Slab Dimensions: 12' Wide (Avg.) X 16' Long X 8-3/4" thick

Slab Area: 42,204 SF (4,689 SY)

No. Slabs: 224

Surface Type: Warped

Slab Installation

Installation Dates: September, 2009

Months of Installation: 1

Production Rate: 12 slabs/night (average)



Project Participants

Virginia Department of Transportation; Owner

Karen Consiglio; 703-383-2677; Karen.consiglio@VDOT.Virginia.gov

Lane Construction; General Contractor

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M & M Precast, Inc.; Precaster

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The Fort Miller Co., Inc.; Precast System Supplier

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No cure time required before opening slabs to traffic!



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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.