

An Illinois State Toll Highway Authority Super-Slab® Pavement Project



Trial Installation ISTHA M-2 Maintenance Yard Oak Brook, Illinois

Project Particulars

Owner: The Illinois State Toll Highway Authority
Traffic Count: Off System
Work Window: Daytime
Type of Contract: Trial Installation for Acceptance on Approved List
Specification: ISTHA Generic Specification



The Illinois State Toll Highway generic specification requires that any precast system supplier desiring inclusion on the Tollway-approved list for precast concrete pavement slab systems must develop standard fabrication and installation details, perform a trial installation to demonstrate the system, and achieve a minimum of 70% load transfer efficiency (LTE) through Falling Weight Deflectometer testing. The Fort Miller Super Slab® system completed all these requirements, attained an average of 92% LTE and was placed on the Tollway approved list for pavement repairs and replacement on October 3, 2007.

Slab Details

Slab Dimensions: 12' Wide X 16' Long X 12" thick
Slab Area: 768 SF (85.3 SY)
No. Slabs: 4
Surface Type: Planar



Slab Installation

Installation Dates: September, 2007
Production Rate: 1 day for grading and prep, 1 day for installation, 1 for grouting

Project Participants

Illinois State Toll Highway Authority; Owner

Steve Gillen; 630-241-6800; sgillen@getipass.com

Wieser Concrete Products, Inc.; Precaster

Mark Wieser; 608-742-4464; markw@wieserprecast.com

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

Peter Smith, P.E.; 518-695-5000; psmith@fmgroup.com

Michael Quaid, P.E.; 518-695-5000; mquaid@fmgroup.com



No cure time required before opening slabs to traffic!



The Fort Miller Co., Inc.

P.O. Box 98
Schuylerville, NY 12871
Tele. 518-695-5000
Fax. 518-695-4970
www.fortmiller.com

*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.