

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

Type of Repair: Four Adjacent slabs



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

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Wieser Concrete Products, 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.