

A New Jersey DOT Super-Slab® Pavement Repair Project

Rt. 21 Maintenance & Repair Contract N302, DP 08419 Newark, New Jersey

Project Particulars

Owner: The New Jersey Department of Transportation

Traffic Count: 38,000 ADT

Work Window: 8 Hours (for two lanes) at night only

Type of Contract: Design, Bid, Build

Specification: NJDOT (Temporary Addition to) Section 405

Type of Repair: Intermittent and continuous



The project included restoration of 5.5 miles of this 6-lane state highway. Normal weight precast concrete Super-Slab® panels were used for full-depth replacement on the roadway. Work zone closures were generally limited to eight night-time hours during which two of three lanes could be closed for work.

Slab Details

Slab Dimensions: 12' Wide (Nom.) X 12' Long (Avg.) X 8.75" thick

Slab Area: 69,810 SF (6,489 SY)

No. Slabs: 475

Slab Installation

Installation Dates: June, 2008–October, 2008

Months of Installation: 5

Production Rate: 8 slabs per night (avg.)

Project Participants

New Jersey Department of Transportation; Owner

Robert Blight, Materials Engineer; 609-530-4445;

Robert.blight@dot.state.nj.us

HNTB Corporation; Construction Manager

Mike Orłowski, Res. Engr.; 201-481-3945; morłowski@HNTB.com

Crisdel, Inc.; Contractor

Bill Weaver; 908-413-2300; billw@crisdel.com

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

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

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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.