

Plymouth-Campton-Thornton I-93 Project

Plymouth, NH | Pike Industries, Inc.



- **Project Overview:** A 7.1-mile level and overlay project on I-93 NB & SB for NHDOT, featuring a new Stone Matrix Asphalt (SMA) mix and virgin high polymer overlay, completed in one season with ramp reconstruction, sign upgrades, CCTV systems, and guardrail improvements.
- **Key Features:**
 - Introduced SMA, a new asphalt mix for NHDOT, requiring extensive testing and coordination.
 - Reconstructed ramps at Exits 27 & 28 to enhance safety and accessibility.
 - Upgraded signage, electrical CCTV systems, and guardrails for improved highway functionality.
- **Innovations & Challenges:**
 - Conducted a test strip off-site and consulted with experienced undetectable to ensure successful SMA installation.
 - Adjusted rolling techniques for the porous SMA mix and monitored thermal imaging daily with NHDOT R&D.
 - Modified production to eliminate transverse joints, stopping at bridge joints for superior ride quality.
- **Project Impact:** Delivered ahead of schedule with exceptional quality, earning the National Asphalt Pavement Association Quality in Construction Award in October 2024.
- **Teamwork:** Achieved through Pike Industries' collaboration with NHDOT, leveraging expertise from plant managers and sister companies, alongside subcontractors: CWS, Five Starr Construction, Northeast Traffic Control, NESS, L&D Safety Markings, Waters, Nicom, Moulison, Tri-State Curb, L&S Sawcutting, Surface Prep Tech, SUR Construction Services, AJ Camerons, JCB Colby, and Garrity Asphalt.

