

Wilton NHDOT 42747/43544 Railroad Crossings

Wilton, NH | R.S. Audley



- **Project Overview:** Combined two NHDOT projects to construct two railroad crossings over NH-31, a primary east-west route, replacing outdated infrastructure on an active freight railway with minimal disruption, completed during two 5-day track closures.

- **Key Features:**

- Installed new precast troughs, rails, and signal systems, with underdrains and silane-treated troughs for durability.
- Managed complex traffic controls, including live alternating traffic for one crossing, ensuring safety and emergency access.
- Coordinated rapid construction sequences, completing each crossing in 5 days with 14-16 hour shifts over weekends.

- **Challenges Overcome:**

- Navigated tight 5-day closures (72-hour operator impact) during school vacations, requiring precise scheduling and pre-staged materials.
- Handled contaminated rail ties and ballast, creatively managing storage to prevent cross-contamination in limited space.
- Overcame initial low bid interest by collaborating with NHDOT to merge projects, with R.S. Audley as the sole bidder after three advertisements.

- **Project Impact:** Successfully delivered modernized crossings, enhancing safety and reliability, celebrated as a featured NHDOT project at Construction School for its collaborative execution.

- **Teamwork:** Achieved through R.S. Audley's leadership, with W.J. Riegel (rail installer), Saratoga Railroad (signal systems), and NHDOT representative Steve Piper, ensuring seamless coordination and stakeholder communication.



AGC
NEW HAMPSHIRE
THE CONSTRUCTION ASSOCIATION

2025 Achievements
In Construction **Winner**