Van Cleef
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New Jersey Turnpike Curve Advisory Sign Installation

Various Ramps on the NJ Turnpike & Garden State Parkway, NJ

The New Jersey Turnpike Authority (NJTA) contracted Van Cleef to evaluate and analyze a variety of ramp curves on the NJ Turnpike and Garden State Parkway, for the purpose of designing curve advisory signs along these ramps in accordance with the FHWA MUTCD.

A Phase A Report was prepared that summarized the design standards applied, as well as the data collection and analysis methodologies, including Rieker CARS Reports, utilized to develop the recommended placement of signage along the various ramp curves. Field evaluations were conducted to assess the existing ramp geometries, lanes, shoulders, bridge joints, parapet types, and roadside features such as existing signage, guide rail, light poles, fencing and noise walls. The proposed recommendations and concept plans/details in this report were used to advance the project into design.

Contract plans and supplementary specifications were developed to identify the types and locations of proposed curve advisory signs, including the removal of existing curve advisory signs, and a new linear delineation system at select locations. Numerous curve advisory signs were proposed to be mounted onto ramp parapets.

Detailed MPT plans were developed for each work area, which identified the designated work areas, and the layout of traffic control devices required to safely accommodate traffic along the NJTA ramps during construction. MPT layouts for NJDOT and other local roadways were designed for the placement of traffic control devices on non-NJTA roadways, including for detours of NJTA ramps during construction. This required extensive coordination, outreach, and approvals by the NJDOT and other local agencies.

CLIENT CONTACT

New Jersey Turnpike Authority
Woodbridge, NJ

PROJECT HIGHLIGHTS

- ☾ Field Inspections
- ☾ Sign Design
- ☾ Flashing Beacon Design
- ☾ Structural Connection Design
- ☾ MPT Design
- ☾ Local/NJDOT Coordination
- ☾ Railroad Coordination
- ☾ Utility Coordination