

Interchange 11 Improvements, Superstructure Replacement, Deck Reconstruction & Various Bridge Repairs

Woodbridge & Other Locations, NJ



Van Cleef provided design and construction support engineering services to the NJTA for \$30M of construction involving in a variety of deck reconstruction, superstructure replacement, geometric realignment, widening, and miscellaneous bridge repairs at the following locations within NJ Turnpike Interchange 11:

- ☛ Structure No. 91.36A – Ramp NIT over TPK NSI/SNI/SNO Roadways (*Deck Reconstruction*)
- ☛ Structure No. 91.37AN – Ramp TNI over TPK SNO Roadway (*Super Replacement*)
- ☛ Structure No. 90.84AN – Ramp SNO/Ramp SOT over Ramp SIT (*Bearings, Parapet/Deck*)
- ☛ Structure No. 90.23U – Main St. (CR 514) over the GSP and TPK (Repairs)
- ☛ Structure No. 90.21A – Ramp PNT over TPK NSO/NSI/SNI/ SNO (Bearings, Repairs)

Work efforts included in-depth field inspection of all structures, identification and prioritization of repairs and replacement schemes within a comprehensive Phase A report, development of preliminary and final MPT, resurfacing, bridge repair and reconstruction plans, highway design (re-aligned roadway, increased profile), retaining wall modifications, stormwater management, local coordination, lighting upgrades/replacement, utility coordination, construction consultation, and post design services.

To meet an aggressive design schedule, all field inspection work, development of Phase A recommendations report, and the preparation of final plans, specifications, estimates, and contract documents were completed within 10 months.

CLIENT CONTACT

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PROJECT HIGHLIGHTS

- ☛ Interchange Improvements
- ☛ Superstructure Replacement
- ☛ Deck/Parapet Reconstruction
- ☛ NSTM (FCM) Repairs
- ☛ Bearing/Substructure Repairs
- ☛ Guide Rail/Barrier Design
- ☛ Drainage Design
- ☛ Complex MPT Staging
- ☛ Lighting Design
- ☛ Utility Coordination
- ☛ Local Coordination/Approvals