GPI

Route I-80 Reconstruction
Sections 5AW and 10L

Construction Engineering and Inspection

Client/Owner: New Jersey Department of Transportation
Project Location: Hackensack, Bergen County, NJ
Construction Cost: $86 million

GPI provided the construction management and inspection services for the reconstruction of I-80, which extends for a total length of 3 miles from the vicinity of the Garden State Parkway to Route 17 in Bergen County, NJ. The NJDOT project consisted of bridge and roadway widening, interstate pavement rehabilitation, new concrete pavement, grading, full depth bituminous concrete pavement, resurfacing, drainage, noise walls and relocation of existing ITS components. The project scope included structural demolition, rehabilitation and replacement of seven bridges along interstate 80, as well as the construction of precast concrete noise walls, both at grade and bridge mounted. Some of the project highlights are: the replacement of structural steel members; full concrete deck replacements; installation of drilled shafts and steel H-piles; concrete footings; seismic retrofitting; and tieback installations for strengthening of existing structures. During the course of construction some unique testing was performed such as crosshole sonic logging and tomography of drilled caissons with methods of innovative remediation being instituted regularly. All work was completed under a staged construction plan, requiring very complex maintenance and protection of traffic under heavy traffic conditions.