Garden State Parkway Widening Interchange 30 to 63  
Milepost 58.0 to 64.5, Design of Two Bridges over GSP,  
OPS No. P3248  
Townships of Stafford, Eagleswood, and Little Egg Harbor,  
Ocean County, New Jersey

**PROJECT DESCRIPTION**

A section of the Garden State Parkway was widened to accommodate an additional lane and standard shoulders on each side of the roadway. The widening is towards the open median area. Bridges over the parkway were replaced with longer span structures to accommodate the widening and the bridges and culverts carrying the Parkway were widened and extended.

We conducted feasibility studies, coordinated with NJTA and DEP, and prepared construction documents for the replacement of two (2) bridges on this project. The two bridges carry Green Street (CR 539), over the Northbound and Southbound Parkway. The new bridges are multi-stringer structures with Mechanically Stabilized Earth (MSE) wall wrap around integral abutments. The selected design increased constructability, reduced cost of materials and maintenance, and eliminated deck joints. The bridges were replaced in two stages while maintaining two-way 55 mph traffic on Green Street. At some locations, MSE walls were constructed on top of the existing culverts to retain the widened sections of the Parkway. We performed seismic analysis as per NJTA guidelines. We provided construction support services.

**PROJECT TYPE**

Design

**CONTRACT AMOUNT**

$1,005,000

**PROJECT OWNER/CLIENT**

New Jersey Turnpike Authority

**START & END DATES**


**ROLE**

Subconsultant to Michael Baker, Jr., Inc.  
Bridge Engineering  
Construction Support Services

**REFERENCES**

Lamis Malak, P.E., NJTA  
(732) 750-5300 x8247

**AWARD**

ACEC Distinguished Award 2015

SJH Engineering, P.C.