

I-4/Selmon Expressway I/C

Tampa, FL

Project Description

The I-4/Lee Roy Selmon Expressway Interchange is a new north-south toll road, which connects Interstate 4 with the Selmon Expressway in Tampa, Florida. This elevated roadway links these two major east-west corridors and significantly improves the movement of people and goods. The new roadway also provides exclusive truck lanes for direct access to the Port of Tampa and removes heavy truck traffic from local roads in Ybor City, one of only two National Historic Districts in Florida.

Owner

Florida DOT

Contractor

PCL/Archer Western J.V.

Designer

FIGG and PBS&J

Our Role

McNary Bergeron & Associates was a sub-consultant to the contractor's construction engineer, Corven Engineering. Our services for the project included:

- Longitudinal construction analysis of 12 precast segmental span-by-span bridge units, including phased construction stress checks and camber calculations,
- Loadpath checks for span-by-span construction,
- Independent check of the span-by-span erection gantry retrofitted by DEAL,
- Design of temporary works and stability towers for balanced cantilever bridges.

Total Contract Value

\$389 million

Timeline

March 2010 - Summer 2013

Construction Method and Specifications

- 23 bridges, mostly elevated interchange ramps.
- Total approximate length of 12 miles
- Approximately 1.5 million SF of bridge deck
- Precast segmental single-cell box girder bridges erected in span-by-span or balanced cantilever method
- Span-by-span bridges erected with overhead gantry supplied by DEAL

