I-4/LEE ROY SELMON EXPRESSWAY INTERCHANGE - Tampa, Florida

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

OUR ROLE

McNary Bergeron & Associates is a sub-consultant to the contractor’s construction engineer, Corven Engineering. Our services for the project include:
- 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.

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

OWNER
Florida DOT

CONTRACTOR
PCL/Archer Western J.V.

DESIGNER
FIGG and PBS&J

Total Construction Cost
$389 million

TIMELINE
March 2010 - Summer 2013