



Southern Boulevard (SR 80) Bridge Replacement Project



PROJECT DESCRIPTION

The Southern Boulevard (SR 80) Bridge Replacement Project will replace the existing bascule bridge and tide relief bridge over the Intracoastal Waterway and the Lake Worth Lagoon between West Palm Beach and Palm Beach. The replacement bridges will have one 12-foot travel lane in each direction, 10-foot shoulders on each side with 7-foot bike lanes, and 6-foot sidewalks. Pedestrians will be separated from traffic with a permanent concrete barrier. Other improvements include new drainage, new traffic signals, decorative lighting, and new signage and pavement markings.

The new bascule bridge will also feature a bridge deck that will reduce traffic noise passing over the draw spans, a new tender house and pedestrian outlooks with trellises. The vertical clearance will be increased to 21 feet under the bridge and the navigable-channel width will be increased to 125 feet. The new tide relief bridge will be a low-level, fixed bridge with a similar vertical clearance as the existing bridge.

A temporary bridge has been built north of the existing bridge to maintain traffic while the replacement bascule bridge is under construction. The temporary bridge has one 12-foot travel lane in each direction, a 5-foot sidewalk on the north side with pedestrian railing, and shoulders on each side.

In addition, the project entails reconstructing and paving Southern Boulevard, the Marjorie Merriweather Post Memorial Causeway, and Flagler Drive within the project limits.

PROJECT LIMITS:

Southern Boulevard from Washington Road to State Road A1A/South Ocean Boulevard.

CONSTRUCTION COST:

\$95 million

PROJECT SCHEDULE:

The contractor, Johnson Bros. Corp., began construction in April 2017. Project completion is estimated in late 2021.

MAINTENANCE OF TRAFFIC:

Traffic will be maintained throughout the project on bridges and roadways. There may be occasional nighttime lane closures. There will be road closures and detours during the reconstruction of Flagler Drive.



Contact Information

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For project updates and lane closures, visit www.southernblvdbridge.com.



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SOUTHERN BOULEVARD TEMPORARY BRIDGE

The Southern Boulevard Temporary Bridge was constructed in nine months, opening to traffic on May 17, 2018. The entire length of the bridge is approximately 1,048 feet and consists of 162 foundation piles, 22 piers and 21 spans. The span is a vertical lift span that is approximately 176 feet in length and includes four 75-foot towers, a 177-foot gantry and a control booth. The temporary bridge has a vertical clearance of 14 feet in the closed position and 65 feet in the open position. The horizontal clearance between the fenders is 125 feet. The temporary bridge will remain in operation for two years as the replacement bascule bridge is built.



OTHER BRIDGE FACTS...

Structure of replacement bascule bridge:

- Length: 948 feet
- Total spans: 11
- Bascule span length: 228 feet
- Total 60-inch diameter drill shafts: 43
- Total 48-inch diameter drill shafts: 36

Structure of tide relief bridge:

- Length: 360 feet
- Total spans: 7
- Total 60-inch diameter drill shafts: 10
- Total 48-inch diameter drill shafts: 18
- Vertical clearance: 12 feet



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