

I-59/20 Replacement

Birmingham, AL

Project Description

The Alabama Department of Transportation (ALDOT) awarded the contract for the third and final phase of the bridge replacement project for Interstate 59/20 (I-59/20) in Birmingham to Johnson Bros. Corp. The company bid \$474.7 million. The elevated portions of I-59/20 through downtown Birmingham's Central Business District (CBD) are over 40 years old and in disrepair. Current usage of I-59/20 is approximately 160,000 vehicles per day which is twice the design capacity, requiring the replacement and upgrade of the viaduct. McNary Bergeron is providing construction engineering for Johnson Bros. and working with VSL to construct the precast segmental viaduct. The span-by-span construction will be done with falsework towers, and completed during a one-year shut down of I-59/20 through Birmingham, starting in the Fall of 2018.

Owner

ALDOT

Contractor

Johnson Bros.

Designer

Volkert \ Corven

Our Role

McNary Bergeron is providing construction engineering for the project, including segment modifications, longitudinal construction analysis, integrated segment shop drawings, geometry control, PT calculations, erection manuals, independent equipment design check review, conventional girder erection plans, and design for casting yard and erection means and methods. McNary Bergeron is supporting the project during construction with technical support and on-site support.

Total Contract Value

\$475 million

Timeline

2019 - 2021

Construction Method and Specifications

Precast segmental

- Span-by-span
- Falsework
- Precast pier columns

