



CASE STUDY

JOHNSON BROS. CORPORATION & GRANITE CONSTRUCTION INSTALLS FODS TO CONTAIN CONSTRUCTION DEBRIS ON I-59/20 CBD BRIDGE REHABILITATION PROJECT

BACKGROUND

The I-59/20 junction in the Birmingham Central Business District (CBD) is one of the most traveled junctions in Alabama. The original bridges and elevated ramps in the junction were constructed in the 1960s. They were designed to last for 30 years and expected to carry up to 80,000 vehicles daily. These bridges were showing signs of age in terms of both structural damages and traffic congestion earning the colloquial name “The Malfunction Junction.”

When the CBD Bridge Project began in January of 2019, the bridges had been standing for nearly 60 years and provided service to over 165,000 travelers every day. The total scope of the work also involved a redesign of the route interchange with I-59/20 and Red Mountain Expressway including an auxiliary lane to reduce congestion. Johnson Bros. Corporation, a subsidiary of Southland Holdings, and Granite Construction were both used throughout the project. The CBD Bridge Project totaled over \$750 million and would become the largest highway project in Alabama history.

CHALLENGE

The CBD Bridge Project involved shutting down the busiest interstate highway in the region as it is used both by local industry from Tuscaloosa on the western side and Atlanta towards the east. On highway projects, heavy equipment, concrete mixers, and other construction vehicles are frequently entering and leaving the jobsite. A trackout system was needed to contain contaminated sediment and debris as the project continues. In addition, highway projects often span a large distance involving multiple entrances for each bridge constructed. In each phase, a new entrance is deployed and at the completion of the project, the aggregate is removed.





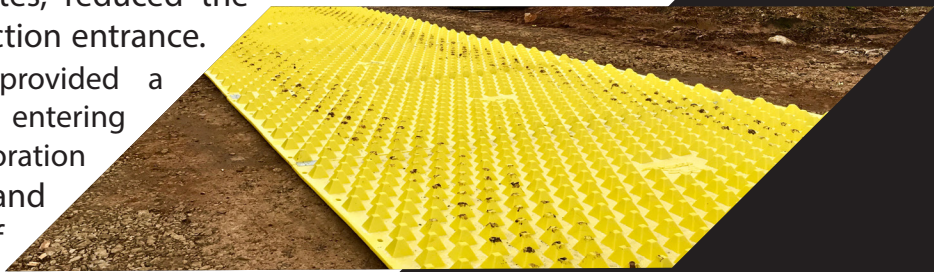
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SOLUTION

Demolition and reconstruction of the junction and bridges would require the shortest highway closure while offering long term improvements to the roadways. Johnson Bros. Corporation and Granite Construction employed FODS during the construction of these bridges to provide a stabilized construction entrance. The ease of transport and rapid deployment of FODS trackout control mats in less than twenty minutes, reduced the time spent installing a stabilized construction entrance.

FODS reusable construction entrances provided a clean exit and reduced risk for aggregate entering roadways for all types of Johnson Bros. Corporation and Granite Construction vehicles. Time and budget savings was realized on each of entrance installations.



The major phase of the project involving the I-59/20 junction was completed in record time a full two months earlier than projected. In addition, the changes fit within the budget required and alleviated congestion in multiple areas.

ABOUT FODS, LLC.

Based in Englewood Colorado, FODS Trackout Control System replace ineffective and costly traditional rock stabilized construction entrances, saving you valuable time and money. Our proprietary mat design works to effectively remove mud and sediment from your vehicle tires without damaging the tire or the ground's surface. We provide the only durable, reusable, and environmentally friendly trackout control system currently available on the market. FODS Trackout Control Mats are 100% Made in the USA and are reusable and recyclable.