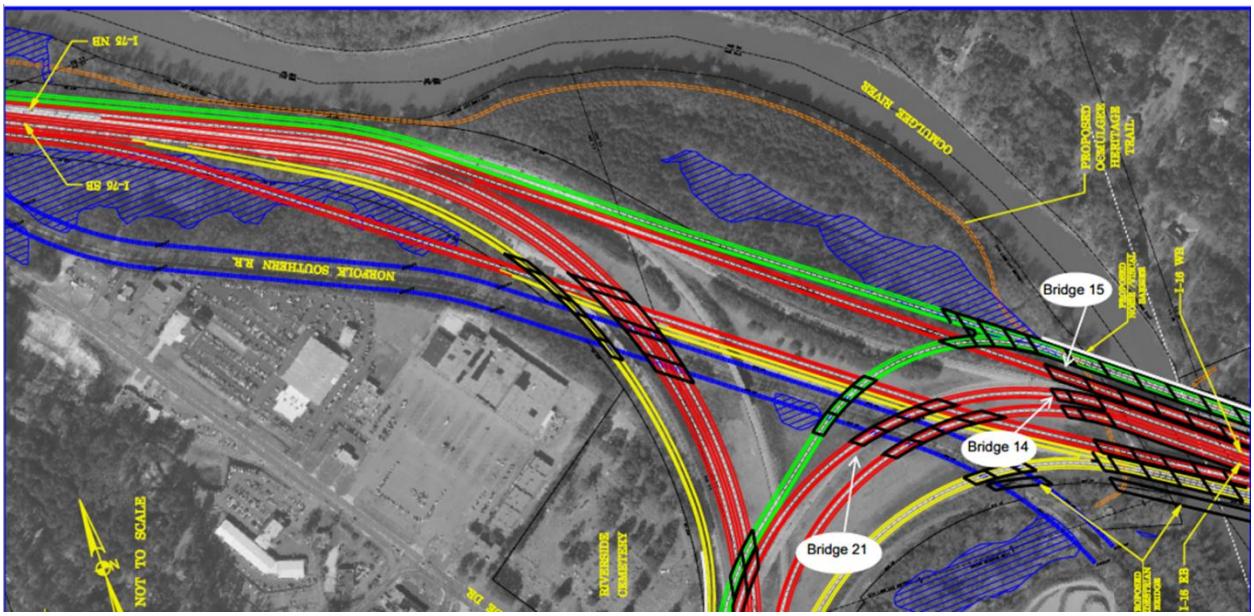
IH 16 - IH 75 – Macon, GA
Interchange Reconstruction



The I-16/I-75 Interchange reconstruction project includes to improve the safety of the corridor by widening and reconstructing I-75 from Hardeman Avenue to Pierce Avenue and I-16 from I-75 to Walnut Creek within the City of Macon. The project aims to improve each of the interstate highways by constructing wider shoulders, concrete barriers and, in most locations, additional lanes. A Collector/ Distributor (CD) road system will be constructed parallel to both I-16 and I-75. Modifications will be made to bridges and surface streets within the project area, to accommodate the additional lanes and CD roads along I-16 and I-75. These improvements will provide opportunities for turning movements, as well as create additional storage for these turning movements. The bridges part of this project (31 in Total) have been designed based on Georgia Standard Specifications 2013 Edition, and 2016 Supplemental Specs.

DECON'S SCOPE:

Bridge 1 Design of 665'-7.19" long structure with five spans @ 103'-6" - 54" Bulb Tee PSC girders, two spans @ 74'- 4.06" and 73'-9.125" Type II PSC Beams. Bents 2, 4 are eccentric hammer head bents, bent 3 is rectangular straddle bent, bent 4 is hammer head, bents 6, 7 are regular two column bents. Two concrete end bents founded on HP piles.

Bridge 14 Design of 1038'-8.06" long structure with eight spans w/ AASHTO Type III beam in spans 1 and 8 and 74 Bulb Tee PSC girders in spans 2 thru 7. Two concrete end bents founded on HP piles. Intermediate bent 2 is regular 2 column bent, bents 3 thru 7 are multi-column bents.

Bridge 15 Design of 1005'-0.94" long structure with seven spans w/ AASHTO Type III beam in span 1 and 74 Bulb Tee PSC girders in spans 2 thru 7. Two concrete end bents founded on HP piles. Intermediate bent 2 is regular 2 column bent, bents 3 thru 7 are multi-column bents.

Bridge 21 Design of 419'-0" long structure with four spans @ 115'-0", 104'-0", 100'-0" and 100'-0"- 54" Bulb Tee PSC girders. Bents 2, 3 & 4 are regular multi column bents. Two concrete end bents founded on Square PSC piles.

Bridge 7 Design of 234'-9" long structure with two spans @ 132'-9" and 102'-0" with 74" Bulb Tee PSC girders. Intermediate bent 2 is regular two column bents. Two concrete end bents founded on HP piles.