

ABC Project Highlights

Project Name: 3300 South over I-215 East
Project #/PIN #: S-017(22)16 / 6416
Year Constructed: 2008
ABC Element(s): Precast Super Structure
Placement Method: Self Propelled Modular Transport (SPMT's)
Contracting Method: Design-Build

Project Description: The project was a pure low bid design build project advertised by UDOT in December 2007, awarded in February 2008 and substantially completed in August 2008. The project required replacement of the existing 3300 South Bridge over I-215 (photos 1 to 3) by October 2008. The project had very strict traffic control requirements and settlement limits in addition to the challenging schedule. The existing bridge was a 2 span prestressed girder bridge, 188' long, with substandard shoulders and sidewalk. The traffic control requirements allowed a complete 55 hour closure of I-215 (midnight Friday to 7am Monday) or a series of lane closures totaling 55 hours with significant penalties for exceeding the limit and significant bonuses for finishing early. 3300 South also had a limited 10 day closure time.

The team proposed building the bridge offsite (photo 4) while concurrently building new abutments under the existing structure (photo 5 and 6). Once the bridge and abutments were complete, the existing bridge would be demolished and the new bridge moved into place via Self Propelled Modular Transporters (SPMT's). The teams bid of \$4.1 million was \$2 million less than the engineers estimate and the next bid.





