

# I-10/Santan Freeway System Interchange

Ramp N-W | Phoenix, AZ



Premier provided engineering services for part of this three-level system-to-system flyover interchange that connects existing I-10 to the Santan Freeway (Loop 202), including preparation of the Plans, Specifications and Estimates for the Ramp N-W, a curved directional ramp. The structure, carrying northbound I-10 traffic to westbound Loop 202, is an eight-span structure with a total length of approximately 950 feet. This cast-in-place post-tensioned concrete box girder bridge was designed as a two-frame hinge system and has an out-to-out width of 31'-2". The abutments and piers are supported on spread footings.

Premier was also responsible for the off-site drainage design, which included hydrologic analyses, storm drain design and channel design.

## Client

Parsons Brinckerhoff  
1501 West Fountainhead Pkwy,  
Suite 400  
Tempe, AZ 85282  
(480) 966-8295

## Owner

ADOT  
205 South 17<sup>th</sup> Avenue  
Phoenix, AZ 85003  
(602) 712-8555

## Project Facts

Project Construction Cost:  
\$3,500,000  
Project Completion Date:  
2003

Services provided on this project: **Structural, Transportation, Survey and Water Resources**