

I-65 OVER S.R. 46 ARCH BRIDGE



Location:
Columbus, Indiana

Owner:
Indiana DOT

Client:
Milestone Corporation

Construction Cost:
\$ 6 million

Completion Date:
1996

Project Description

Janssen & Spaans Engineering, Inc. provided construction engineering services and redesign of deck slab post-tensioning. JSE provided stress/capacity design check of steel arch for each step of erection. JSE construction engineering and falsework design innovations included means to hydraulically jack and align the transverse beams supporting the bridge deck and use of temporary cast-in-place bridge deck spanning sheet pile wall such that Contractor could erect the footings from the side while maintaining I-65 traffic overhead.

JSE provided integrated shop drawings, camber and erection elevations, cable stay stressing instructions, erection analysis and full time on-site assistance.

Project Data:

Total Length:	292'
Number of Spans:	1
Width:	Two roadway @ 48' each