

## I-355 BRIDGE OVER DES PLAINES RIVER VALLEY



**Location:**  
Lemont, Illinois

**Owner:**  
Illinois Tollway Authority

**Client:**  
Walsh Construction Co.

**Construction Cost:**  
\$125 Million

**Completion Date:**  
November 2007

### Project Description

JSE provided design-build engineering services on this centerpiece project of the 14 mile I-355 extension. The superstructure design had spans up to 170' using prestressed 90" bulb tee girders, 216' spans using post-tensioned spliced segmental 102" bulb tee girders and 270' main spans using 120" haunched pier segments with 102" drop-in girders. The post-tensioned pier caps are supported on a single row of columns exceeding heights of 70'.

The construction cost of the design provided by JSE beat the next closest design's construction cost by \$8 million.

This bridge was featured in the Spring 2008 issue of *Aspire* magazine and was on *Road & Bridges* top 10 list of best bridges in 2006. Additionally, this bridge received an Honor Award from ACEC.



### Project Data:

**Total Length:** 2 structures at 6,600 ft each  
**Number of Spans:** 35 spans divided into 8 units  
**Main Span:** 270 ft  
**Width:** 63'-7"

