

New Mississippi River Bridge Project at Downtown St. Louis

MoDOT and IDOT

Location

St. Louis, Missouri

Construction Completion

2010 (Est.)

Construction Cost

\$1 billion

DMA Services Provided

Structural Engineering
Surveying Services



The New Mississippi River Bridge project involves a group of transportation improvements that will be implemented in the St. Louis, Missouri and Southwestern Illinois areas. Improvements will include a new eight-lane bridge connecting Missouri and Illinois just north of downtown St. Louis, and other associated roadway improvements, including relocation of I-70 and Illinois Route 3. The construction cost for the main span of the bridge is expected to be \$370 million, out of a total project cost of about \$1 billion.

David Mason & Associates will provide the structural design of five bridges, including preliminary design and cost estimating. The five bridges include:

- A6419 Two 109-foot spans, curved steel girders with cast in plate concrete straddle bent, integral abutments
- A6421 Two 127-foot spans, curved steel girder with steel cross girder straddle bent, integral end bents
- A6426 5 span (70', 103', 106', 112', and 85') curved steel girders with concrete intermediate bents and non-integral end bents
- A6429 Four 109-foot spans, curved steel girders with steel cross girder straddle bent, non-integral end bents
- A6431 Two 98-foot spans, curved steel girders with steel cross girder straddle bent, integral end bents

DMA surveyors researched three alternate routes and provided field surveys and coordination of all utilities, survey controls and monumentation, and legal surveys on 100 parcels. Ties were established from the Missouri state plane coordinates to Illinois.

