

Comparison Features	ALT 1A - Broadway	ALT 4 - York Street
Design & Geometric Location Studies		
Length of Improvement (LF)	6,250	6,850
Projected ADT for Design Year (2034)	10,100	10,100
Horizontal Curves on MO Roadway Approach	Yes	Yes
Curve Superelevation Required	No	No
Horizontal Curves on IL Roadway Approach	Yes	No
Curve Superelevation Required	Yes	No
Horizontal Curves on Structure	Yes	No
Curve Superelevation Required	Yes	No
Vertical Profile Grade Across River (%)	+2.28 / +0.75	+2.28 / +1.61
Crest Vertical Curve at Illinois Touchdown	Yes	No
Travel Time from West Approach to Blessing Hospital	4 min 45 sec	6 min 0 sec
Adequate Level of Service @ Signalized Intersections	Yes	Yes
Bicycle Accommodations	Bike Lanes/Shared Path	Bike Lanes/Shared Path
Pedestrian Accommodations	Sidewalk (east of Bridge)	Sidewalks
Construction Concerns w/ Proximity to Adjacent Bridge	Yes	No
Potential Environmental Impacts		
Potential Impacts to Recognized Environmental Conditions (Each)	6	2
Possible Park Lands (4f) Impacts (Each)	1	1
- Park Area Bisected by Alternative?	Yes	No
Potential Impact to Sites on Historic Resource Inventory	Yes	Yes
- National Register of Historic Places - Listed	0	0
- Displacement?	N/A	N/A
- National Register of Historic Places - Eligible	0	0
- Displacement?	N/A	N/A
- National Register of Historic Places - Consideration	1 (#20)	1 (#116)
- Displacement?	Yes	No
Wetlands Impacts (Acres)	1.27	2.53
Farmland Area Converted (Acres)	0	0.8
FEMA Floodway Crossed (LF)	4,085	3,800
Forested Areas Impacted (Acres)	1.15	2.67
Avian Assessment	-	-
- Bald Eagles Present	Yes	Yes
- Bald Eagles Nesting	No	No
- Threatened & Endangered Species - Present	Yes	Yes
- Threatened & Endangered Species - Nesting	No	No
Potential for Mammal (Bat) Habitat	Low	Low
Mussel Surveys	-	-
- IL State Threatened & Endangered - Alive	None	None
- IL State Threatened & Endangered - Relic	None	Present
Archaeological Sites	None	None
Potential Land Use / Socioeconomic Impacts		
Residential Displacement (# of properties)	0	0
Commercial Displacement (# of properties)	2	0
Commercial Impacts (# of properties)	5	5
Water Treatment Plant Impacts	No	No
By-Pass Downtown Business District	Yes	No
Land Acquisition		
Right-of-Way Acquisition (Acres)	3	1
No. of Affected Parcels	7	5
Cost		
Bridge Cost	\$117,890,000	\$70,088,750
Total Construction Cost	\$144,847,000	\$96,858,000