



SUMMARY OF IMPACTS

Comparison Features	IL 104 (Broadway) Corridor	Maine Street Corridor	York Street Corridor	No-Build
Alternatives Studied	ALT 1A	ALT 3B	ALT 4	
Purpose & Need				
Meets Purpose & Need	Yes	Yes	Yes	No
Design & Geometric Location Studies				
Length of Improvement (LF)	6,250	6,950	6,850	N/A
Projected ADT for Design Year (2034)	8,150	8,150	8,150	8,150
Horizontal Curves on MO Roadway Approach	Yes	Yes	Yes	Yes
Curve Superelevation Required	No	No	No	No
Horizontal Curves on IL Roadway Approach	Yes	No	No	Yes
Curve Superelevation Required	Yes	No	No	No
Horizontal Curves on Structure	Yes	Yes	No	No
Curve Superelevation Required	Yes	Yes	No	No
Vertical Profile Grade Across River (%)	+2.28 / +0.75	+2.32 / +1.20	+1.94	+4.95 / -0.02
Crest Vertical Curve at Illinois Touchdown	Yes	No	No	Yes
Travel Time from West Approach to Blessing Hospital	4 min 45 sec	5 min 35 sec	6 min 0 sec	5 min 35 sec
Bicycle Accommodations	Bike Lanes/Shared Path	Bike Lanes/Shared Path	Bike Lanes/Shared Path	None
Pedestrian Accommodations	Sidewalks	Sidewalks	Sidewalks	None
Construction Concerns w/ Proximity to Adjacent Bridge	Yes	Yes	No	N/A
Existing Bridge Closure Required to Complete Proposed Bridge	No	Yes	No	N/A
Potential Environmental Impacts				
Potential Impacts to Possible RECs (Each)	6	8	2	N/A
Possible Park Lands (4f) Impacts (Each)	1	0	1	N/A
- Park Area Bisected by Alternative?	Yes	N/A	No	N/A
Potential Impact to Historic Buildings	Yes	Yes	Yes	N/A
- NRHP Listed / Eligible / Consideration	1 (#20)	4 (#73, 74, 83, 88)	1 (#116)	N/A
- Displacement?	Yes	No	No	N/A
Wetlands Impacts	Yes	Yes	Yes	N/A
- # of Wetlands	1	1	1	N/A
- # of Acres	1.27	1.93	2.53	N/A
Farmland Area Converted (Acres)	0	0.5	0.8	N/A
FEMA Floodplain Crossed (LF)	4,355	4,280	4,255	N/A
Forested Areas Impacted (Acres)	1.15	2.14	2.67	N/A
Avian Assessment	-	-	-	-
- Bald Eagles Present	Yes	Yes	Yes	Yes
- Bald Eagles Nesting	No	No	No	No
- T&E Species Present	Yes	Yes	Yes	Yes
- T&E Species Nesting	No	No	No	No
Potential for Mammal (Bat) Habitat	Low	Low	Low	N/A
Mussel Surveys	-	-	-	-
- IL State T&E - Alive	None	None	None	N/A
- IL State T&E - Relic	None	Present	Present	N/A
Archaeological Sites	None	None	None	N/A
Potential Land Use / Socioeconomic Impacts				
Residential Displacement (# of properties)	0	0	0	N/A
Commercial Displacement (# of properties)	2	2	0	N/A
Commercial Impacts (# of properties)	5	11	5	N/A
Water Treatment Plant Impacts	No	Yes	No	N/A
By-Pass Downtown Business District	Yes	No	No	No
Land Acquisition				
Right-of-Way Acquisition (Acres)	3	1.5	1	N/A
No. of Affected Parcels	7	11	7	N/A