

SUMMARY OF KEY ENVIRONMENTAL IMPACTS

DESIGN CHARACTERISTICS AND ENVIRONMENTAL RESOURCES AFFECTED PREFERRED ALTERNATIVE

DESIGN CHARACTERISTICS

• Length of Roadway (miles)	4.5 miles
• Right of Way required for construction (acres)	27.5 acres
• Number of parcels	46 parcels
• Temporary Easement required	0.8 acres
• Permanent Easement required	0.6 acres
• Estimated Cost	
Land Acquisition	\$ 2,080,000
Utility Adjustments	\$ 1,000,000
Construction	\$ 30,814,000
Total	\$ 33,894,000 *

* Unfunded in the FY 2016-2021 Proposed Highway Improvement Program

SOCIAL/ECONOMIC IMPACTS

• Total Residences displaced	2
• Businesses displaced	None
• Worship centers displaced	None
• Schools displaced	None
• Traffic Impacts	Temporary road and entrance closures during construction

AGRICULTURAL IMPACTS

• Prime farmland required	26.0 acres
• Farm residences/buildings displaced	None

NOISE IMPACTS

• Number of residences, classrooms, or churches with noise impacts (approaching, meeting or exceeding 66 dB(A) or greater than 14 dBA increase over existing noise levels). Design Year 2040	8 receptors - identified with noise impacts ranging from 66 to 72 dB(A). Due to driveway access, sight distance requirements and safety concerns, noise barriers are not proposed at these locations.
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NATURAL RESOURCE IMPACTS

• Tree Impacts	156 trees to be removed
• Threatened and Endangered Species Impacted	None

WETLAND IMPACTS

• Wetland sites within project limits	6
• Wetlands impacted	None

SPECIAL AND PROTECTED LANDS

• Nature Preserves affected	None
• Illinois Natural Area affected	None
• Parks and Forest Preserves affected	None

WATER RESOURCES/QUALITY IMPACTS

• Stream crossings/water crossings	2 (Trib. West Aux Sable & Middle Aux Sable)
• Private water wells within 200 feet	(This project will not create any new potential "routes" for ground water pollution or any new potential "sources" of ground water pollution.)
Two (2) in the project area	
• Wellhead protection areas	
Two (2) in the project limits	

FLOODPLAIN INVOLVEMENT

• Number of floodplains crossed	1 (Middle Aux Sable)
• Impacts to 100 year floodplains (Zone A)	None

CULTURAL RESOURCE IMPACTS

• National Register eligible resources with impacts	None
• National Register eligible archaeological resources with impacts	None

NON-SPECIAL/SPECIAL WASTE SITE INVOLVEMENT

• Recognized Environmental Conditions (REC)	14	Affected Sites
19 sites in project limits		(soils found to be contaminated will be managed appropriately)

AIR ANALYSIS

• Microscale Analysis-COSIM (Carbon Monoxide Screen for Intersection Modeling)	Passes pre-screen analysis
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