



## SUMMARY OF KEY ENVIRONMENTAL IMPACTS

### Design Characteristics and Environmental Resources Affected by the Preferred Alternative

#### DESIGN CHARACTERISTICS

• Length of Roadway	6.6 miles
• Right of Way required for construction	90.51 acres
• Number of parcels	125 parcels
• Temporary Easement required	5.05 acres
• Permanent Easement required	2.29 acres
• Estimated Cost	
Land Acquisition	TBD
Utility Adjustments	TBD
Construction	TBD
Total	TBD

#### SOCIAL/ECONOMIC IMPACTS

• Building Removals	3
• Traffic Impacts	Temporary side road and entrance closures during construction

#### AGRICULTURAL IMPACTS

• Prime farmland required	89.61 acres
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#### NOISE IMPACTS

• Number of locations with traffic noise levels above the NAC (Noise Abatement Criteria) for the projected year of 2040.	38 properties were identified as experiencing noise impacts. Noise abatement measures were shown to be effective at reducing noise impacts at 15 of those properties.
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#### NATURAL RESOURCE IMPACTS

• Tree Impacts	904 potential tree removals
• Threatened and endangered species impacted	None*
• Wetland sites within project limits	11
• Wetland impacts	0.17 acres (3 sites)

#### SPECIAL AND PROTECTED LANDS

• Nature Preserves affected	None, within project limits.
• Illinois Natural Area affected	None, within project limits.
• Parks and Forest Preserves affected	None, within project limits.

#### WATER RESOURCES/QUALITY IMPACTS

• Stream crossings/water crossings	2 (Rob Roy Creek and Blackberry Creek)
• Private water wells within 200 feet	Six identified, None displaced (This project will not create any new potential "routes" for ground water pollution or any new potential "sources" of ground water pollution)

#### FLOODPLAIN IMPACTS

• Affected 100 year floodplains (Zone AE)	2 (Rob Roy Creek and Blackberry Creek) Significant to Adverse impacts anticipated.
• Number of floodplains crossed	2 (Rob Roy Creek and Blackberry Creek)

#### CULTURAL RESOURCE IMPACTS

• National Register eligible resources with impacts	None, within project limits.
• National Register eligible archaeological resources with impacts	None, within project limits.

#### SPECIAL WASTE

• Recognized Environmental Conditions (REC) 41 sites within project limits	41 Affected sites (soils found to be contaminated will be managed appropriately)
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#### AIR ANALYSIS

• Microscale Analysis - COSIM (Carbon Monoxide Screen for intersection modeling)	8 intersections passed pre-screen modeling
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\* Pending completion of a survey for protected mussel species that may occur in Blackberry Creek.