

Table ES-1. Summary of Environmental Consequences

Resource Area	Alternative 1 (Payne Gap)	Alternative 2 (Roxana)	No Action Alternative
Land Use and Zoning	<ul style="list-style-type: none"> Compatibility issues with adjacent properties 	<ul style="list-style-type: none"> Compatibility issues with adjacent properties 	<ul style="list-style-type: none"> No compatibility issues
Topography, Geology, and Soils	<ul style="list-style-type: none"> Significant impacts to topography, geology, and soils 	<ul style="list-style-type: none"> Significant impacts to topography, geology, and soils 	<ul style="list-style-type: none"> No impacts to topography, geology, and soils
Socioeconomics and Environmental Justice	<ul style="list-style-type: none"> No significant adverse effects Potential beneficial economic effects 	<ul style="list-style-type: none"> No significant adverse effects Potential beneficial economic effects 	<ul style="list-style-type: none"> Opportunity for beneficial economic effects would not exist
Community Facilities and Services	<ul style="list-style-type: none"> No adverse impacts 	<ul style="list-style-type: none"> No adverse impacts 	<ul style="list-style-type: none"> No impact
Transportation and Traffic	<ul style="list-style-type: none"> No adverse impacts to traffic and roadways Minor roadway improvements would be required 	<ul style="list-style-type: none"> No adverse impacts to traffic; however, there would be potential adverse impacts to roadways Roadway improvements would be required 	<ul style="list-style-type: none"> No impacts to traffic
Air Quality	<ul style="list-style-type: none"> No significant impacts on the local or regional air quality 	<ul style="list-style-type: none"> No significant impacts on the local or regional air quality 	<ul style="list-style-type: none"> No increases in air emissions; therefore, no impacts to air quality
Noise	<ul style="list-style-type: none"> Short-term, temporary construction related impacts 	<ul style="list-style-type: none"> Short-term, temporary construction related impacts 	<ul style="list-style-type: none"> No construction or operation of a new facility; therefore, no impacts from increases in noise
Infrastructure and Utilities	<ul style="list-style-type: none"> Significant impacts to wastewater and natural gas infrastructure 	<ul style="list-style-type: none"> No significant impacts 	<ul style="list-style-type: none"> No construction or operation of a new facility; therefore, no increase in demand on infrastructure and utilities
Cultural Resources	<ul style="list-style-type: none"> No adverse impacts 	<ul style="list-style-type: none"> No adverse impacts 	<ul style="list-style-type: none"> No construction or operation of a new facility; therefore, no impacts to cultural resources
Water Resources	<ul style="list-style-type: none"> 2.4 acres (0.97 hectares) of wetland impacts 10,512 linear feet of stream impacts 	<ul style="list-style-type: none"> 2.5 acres (1.0 hectares) of wetland impacts 4,117 linear feet of stream impacts 	<ul style="list-style-type: none"> No construction or operation of a new facility; therefore, no impacts to water resources
Biological Resources	<ul style="list-style-type: none"> 218 acres (88 hectares) of deforestation Impacts to Indiana Bat Habitat 	<ul style="list-style-type: none"> 93 (37 hectares) of deforestation Impacts to Indiana Bat Habitat 	<ul style="list-style-type: none"> No construction or operation of a new facility; therefore, no impacts to biological resources.
Hazardous Materials and Waste	<ul style="list-style-type: none"> No adverse impacts 	<ul style="list-style-type: none"> No adverse impacts 	<ul style="list-style-type: none"> No impacts
Known Mitigation and Associated Costs			
Infrastructure and Utilities	\$8,895,000	\$15,825,000	No Cost
Threatened and Endangered Species*	\$1,030,000 - \$1,373,400	\$732,375 - \$1,024,355	No Mitigation
Excavation and Grading Costs	\$217,327,748	\$141,116,447	No Cost

Notes: *Estimated costs are based on United States Fish and Wildlife Service (USFWS) cost per acre for impacts to Indiana bat and northern long-eared bat habitat for Payne Gap and Swarming P1/P2 habitat for Roxana. Cost was calculated based on total forest impacts for each site and time of year habitat is removed. Cost is based only on summer habitat impacts.