

ENVIRONMENTAL ISSUES			
Category	No Impact / No Effect	Impact / Effect	Consultation / Additional Clarification
Noise			Noise Study Completed
Residential		X	<p>The receivers of concern for this noise study consist of ninety-one (91) single-family homes, an OSU extension office, three (3) places of worship, a boxing gym, a VFW, and a bar.</p> <p>The existing condition (2022 traffic) TNM analysis results indicated that no receptors approach, meet, or exceed any of the NAC criteria. The future no-build condition (2042 traffic) TNM analysis results indicated one (1) receiver is projected to experience exterior noise levels that approach 67 dB(A) LEQ (h). No receivers will experience a substantial increase (15 dB) over the existing sound levels; the highest increase is 1.5 dB(A). The future condition (2042 traffic) TNM analysis results indicated two (2) receivers are projected to experience exterior noise levels that exceed 67 dB(A) LEQ (h). No receivers will experience a substantial increase (15 dB) over the existing sound levels; the highest increase is 9.4 dB(A). Noise abatement in the form of freestanding noise walls was considered for the impacted receptors. The two impacted receivers are located miles apart, and one is a travel trailer on property that would become ROW as a result of the proposed project. Therefore, as was found in the 1998 Noise Study, due to the low density of residences and the local access requirements for properties located along the proposed project area, a continuous barrier necessary to provide a 7 dBA reduction is not feasible or reasonable, and no mitigation is recommended in these areas.</p>
Cultural Resources			Consultation with Oklahoma Archeological Survey & State Historic Preservation Office Completed
Archeological Sites		X	Avoidance for Offsite Cultural Resources at 9 Locations
Historic Properties	X		No effect on historic properties
Waters & Wetlands			404 Permit Required with U.S. Army Corps of Engineers (USACE)
Wetlands and Open Waters		X	0.086 acres and 0.086 acres
Streams and Several Drainage Features		X	0.122 acres and 0.809 acres
Threatened & Endangered Species			Consultation with U.S. Fish and Wildlife Service (USFWS) Completed
Gray Bat		X	Restrictions during construction to minimize impact
Indiana Bat		X	Restrictions during construction to minimize impact
Northern Long Eared Bat		X	Restrictions during construction to minimize impact
Ozark Big-eared Bat		X	Restrictions during construction to minimize impact
Piping Plover	X		
Red Knot	X		
Ozark Cavefish		X	Restrictions during construction to minimize impact
Tricolored Bat		X	Not likely to jeopardize the continued existence of the species
Alligator Snapping Turtle	X		
Monarch Butterfly		X	Not likely to jeopardize the continued existence of the species
Bald Eagle		X	Consultation with USFWS / Survey / Notes for Plans to ensure avoidance
Migratory Bird		X	Consultation with USFWS / Survey / Notes for Plans to ensure avoidance
Tribal Consultation	X		Completed with the following Tribes: Caddo Nation, Cherokee Nation, Osage Nation, Seneca-Cayuga Nation, United Keetoowah Band of Cherokee Indians, and Wichita and Affiliated Tribes
Hazardous Materials Assessment	X		No plan notes are required.
Floodplains - FEMA Maps	X		Project not located in a floodplain