

## ***ENVIRONMENTAL COMPLIANCE***

### **WIDEN, RESURFACE & BRIDGE ON US-59 FROM APPROXIMATELY 200 FT. NORTH OF SHELL BRANCH CREEK & EXTEND NORTH APPROXIMATELY 4.83 MILES TO WESTVILLE, OK ADAIR COUNTY J/P 33461(04)**

**Waters and Wetlands:** The proposed project will cross a couple streams and several drainages. The proposed crossings will incorporate water quality protection best management practices to prevent erosion and keep sediment and unwanted materials out of streams. As proposed, the project will be permitted by the U.S. Army Corps of Engineers under Section 404 of the Clean Water Act with a Nationwide General Permit. No significant, permanent adverse impacts to waterbodies are expected.

**Threatened and Endangered Species:** Habitat reviews were conducted for federally listed threatened and endangered species, as well as for protected bird species. There are several protected species of bats, birds, mussels, and insects potentially located within the general vicinity, and suitable habitat was identified within the study area. Consultation with the U.S. Fish and Wildlife Service was conducted and it was determined that no permanent adverse impacts to threatened and endangered species are anticipated.

**Cultural Resources:** Cultural resources—including both historic and archaeological aspects—were evaluated by Oklahoma Department of Transportation (ODOT). ODOT completed the National Historic Preservation Act of 1966 (NHPA) Section 106 consultation on behalf of the Federal Highway Administration (FHWA), and determined the project will have no significant adverse effect on cultural resources. ODOT also consulted with the following tribes: Caddo Nation, Cherokee Nation, Osage Nation, United Keetoowah Band of Cherokee Indians and Wichita and Affiliated Tribes. The Caddo Nation responded that the project does not affect known cultural, traditional or sacred sites of interest to the Caddo Nation.

**Hazardous Materials:** Hazardous materials and waste related impacts were determined by evaluating the regulatory database reports, assessing the Oklahoma Corporation Commission's (OCC) records, reviewing the Oklahoma Water Resources Board's (OWRB) well databases, and by performing a field study. Some areas were identified that could pose an environmental risk within the proposed project footprint and adjacent to the study area (e.g., gas stations, repair shops, etc.). ODOT is currently assessing the potential impacts as they relate to the project, but these sites are not considered to be a high risk. No significant adverse impacts are anticipated.

**Noise:** Noise analysis is performed on all "type 1" federal aid projects as outlined in ODOT's Noise Policy and Code of Federal Regulations (CFR) 23 Part 772. The scope of the proposed work will be reviewed to determine whether it meets the criteria of a type 1 project. If those criteria are met, full analysis will be performed to determine if noise mitigation is feasible and reasonable. This project meets the type 1 criteria, and a noise analysis is currently underway.

**Floodplains:** There are no designated floodplains within the existing US-59 right-of-way. Therefore, proposed project is not expected to have an adverse impact on any floodplain.