

DOT DIVISION	STATE	J/P PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
8	OKLA	24750(04)		6	127
DESCRIPTION		REVISIONS		DATE	
A UPDATED ENVIRONMENTAL NOTES				07/21/2016	

ENVIRONMENTAL MITIGATION NOTES

BALD EAGLE
 A SURVEY FOR EAGLES AND THEIR NESTS WAS CONDUCTED MARCH 2016. NO NESTS WERE OBSERVED WITHIN THE EXPECTED IMPACT AREA. SURVEY RESULTS ARE VALID FOR THE 2016 NESTING SEASON ONLY. IF CONSTRUCTION ACTIVITIES ARE NOT COMPLETED BY DECEMBER 1, 2016 THE RESIDENT ENGINEER SHALL CONTACT THE ODOT BIOLOGIST AT 405-521-2515. THE ODOT BIOLOGIST SHALL SCHEDULE AN ADDITIONAL SURVEY DURING DECEMBER AND JANUARY. IF THE SURVEY IS POSITIVE FOR A BALD EAGLE NEST, NO WORK WILL BE ALLOWED WITHIN 660 FEET OF THE NEST DURING THE NESTING SEASON (SEPTEMBER 16 THROUGH MAY 31), IN ACCORDANCE WITH THE NATIONAL BALD EAGLE MANAGEMENT GUIDELINES. IF THE 660 FOOT BUFFER CANNOT BE MAINTAINED, ALL CLEARING, CONSTRUCTION AND LANDSCAPING ACTIVITIES WITHIN 660 FEET OF THE NEST SHALL BE CONDUCTED BETWEEN JUNE 1 AND SEPTEMBER 15, OUTSIDE THE NESTING SEASON.

MIGRATORY BIRDS
 MIGRATORY BIRDS ARE PROTECTED BY THE FEDERAL MIGRATORY BIRD TREATY ACT. THESE BIRDS COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR THE BIRDS RUNS FROM APRIL 1 TO AUGUST 31. ANY ACTIVITIES WHICH WOULD DESTROY ACTIVE NESTS OR HARM EGGS OR BIRDS WOULD VIOLATE THE MIGRATORY BIRD TREATY ACT. MIGRATORY BIRD USE OF BRIDGE NBI NO. 17018 AND CULVERT AT STA. 735+35.63 HAS BEEN OBSERVED DURING THE INITIAL SURVEY CONDUCTED AS PART OF THE BIOLOGICAL STUDIES IN 2016. THE RESIDENT ENGINEER WILL EVALUATE THE CONTRACTOR'S PROPOSED WORK METHODS AND CONCLUDE WHETHER THE PROPOSED WORK WOULD POSE DISRUPTION TO ANY NESTING BIRDS BEFORE WORK NEAR THE STRUCTURE IS AUTHORIZED. IF THE PROPOSED WORK WILL HARM ANY NESTING BIRDS, THE BRIDGE MAY BE NETTED PRIOR TO APRIL 1 OR THE WORK DELAYED UNTIL THE NESTING SEASON IS COMPLETE. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

AMERICAN BURYING BEETLE
 THE AMERICAN BURYING BEETLE IS A LARGE CARRION BURYING BEETLE THAT IS LISTED AS ENDANGERED UNDER THE ENDANGERED SPECIES ACT. IN ORDER TO AVOID ADVERSE IMPACTS, NO ARTIFICIAL LIGHTING SHALL BE USED DURING CONSTRUCTION. CARCASSES AND ALL FOOD TRASH SHALL BE REMOVED FROM THE PERMANENT AND TEMPORARY RIGHT-OF-WAY THROUGHOUT PROJECT ACTIVITIES.

BAT BRIDGE REMOVAL/MODIFICATION
 THE NORTHERN LONG EARED BAT IS A MIGRATORY, INSECT EATING BAT PROTECTED BY THE ENDANGERED SPECIES ACT. THIS SPECIES CAN USE BRIDGES AND CULVERTS AS SUMMER ROOSTING SITES. IF THE BRIDGE/CULVERT REMOVAL OR MODIFICATION IS TO OCCUR BETWEEN APRIL 1 AND NOVEMBER 15, THE RESIDENT ENGINEER SHALL CONTACT THE ODOT BIOLOGIST AT 405-521-2515 TO CONDUCT A BAT SURVEY. THE SURVEY CAN BE CONDUCTED ONLY BETWEEN MAY 15 AND AUGUST 15. IF LISTED BAT SPECIES ARE DETECTED, THE ODOT BIOLOGIST WILL CONSULT WITH US FISH AND WILDLIFE SERVICE. WORK ON THE BRIDGE WILL BE RESTRICTED AND MAY BE PROHIBITED FOR ALL OR PART OF THE DURATION OF THE BAT'S MATERNITY ROOSTING SEASON. ANY DELAY DUE TO THIS WILL NOT BE COMPENSATED.

KARST
 IF CAVES, SINKHOLES, LOSING STREAMS OR SPRINGS ARE ENCOUNTERED WITHIN THE PROJECT LIMITS AT ANY POINT BEFORE OR DURING THE PROJECT, A NO-WORK ZONE EXTENDING 300 FEET IN ALL DIRECTIONS SHALL BE ESTABLISHED AROUND THE NEWLY DISCOVERED FEATURE, AND THE RESIDENT ENGINEER SHALL IMMEDIATELY CONTACT THE ODOT BIOLOGIST AT (405) 521-2515. ALL PARKING, MAINTENANCE, STAGING, FUELING, STORMWATER MANAGEMENT ACTIVITIES, GROUND DISTURBING, TREE- CLEARING, OR ANY OTHER CONSTRUCTION ACTIVITY SHALL NOT BE ALLOWED WITHIN THE 300' BUFFER. BEST MANAGEMENT PRACTICES, SECONDARY CONTAINMENT MEASURES, AND OTHER STANDARD SPILL PREVENTION AND COUNTERMEASURES WILL BE ENACTED, IN CONJUNCTION WITH USFWS CONSULTATION, TO AVOID IMPACTS TO KARST FEATURES AND POTENTIAL HIBERNACULUM.

RIPARIAN VEGETATION REMOVAL RESTRICTION
 THE REMOVAL OF TREES AND SHRUBS SHALL BE RESTRICTED TO AREAS WITHIN THE ACTUAL LIMITS OF CONSTRUCTION (TOE OF SLOPE/TOP OF CUT).

Design		US 169 OVER HICKORY CREEK	NOWATA COUNTY
Drawn		ENVIRONMENTAL NOTES	
Checked			
Approved			
Squad			
		State Job No. <u>24750(04)</u>	Sheet No. <u>6</u>