

OKLAHOMA DEPARTMENT OF TRANSPORTATION					
ODOT DIVISION	STATE	JOB PIECE No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
8	OKLA	27092(04)		6	143
DESCRIPTION		REVISIONS		DATE	
▲ UPDATED ENVIRONMENTAL NOTES				07/24/2016	

**ENVIRONMENTAL MITIGATION NOTES**

- ▲ **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 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 BIOLOGICAL RESOURCES PROGRAM 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**  
 KARST ECOSYSTEMS, THAT PROVIDE HABITAT FOR SEVERAL ENDANGERED SPECIES INCLUDING FOR THE OZARK BIG-EARED BAT AND NORTHERN LONG-EARED BAT, OCCUR WITHIN THE ACTION AREA. IF CAVES, SINKHOLES 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 ENVIRONMENTAL PROGRAMS DIVISION AT (405) 521-2515.
- ▲ **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).
- ▲ **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 ALL BRIDGES AND CULVERTS HAS BEEN OBSERVED DURING THE INITIAL SURVEY CONDUCTED AS PART OF THE BIOLOGICAL STUDIES IN 2012. 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.

Design		US 169 OVER OPOSSUM CREEK	NOWATA COUNTY
Drawn		<b>ENVIRONMENTAL NOTES</b>	
Checked			
Approved			
Squad			
		Job Piece No. <u>27092(04)</u>	Sheet No. <u>6</u>