

GENERAL NOTES

SPECIFICATIONS -
 COMPLY WITH THE REQUIREMENTS OF THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

PILE DRIVING AND CAPACITY -
 THE FACTORED PILE REACTION FOR EACH HP12X74 PILE AT EACH ABUTMENT IS 83.2 TONS.

THE FOLLOWING FORMULA (GATES EQUATION) SHALL BE USED TO DETERMINE THE AXIAL LOAD RESISTANCE OF THE DRIVEN FOUNDATION PILES.

AXIAL LOAD RESISTANCE = $\phi [(0.875 \sqrt{E} \log_{10}(10N)) - 50]$ (TONS)

WHERE:
 ϕ = RESISTANCE FACTOR OF 0.4
 E = ENERGY PRODUCED BY THE HAMMER PER BLOW IN FOOT-POUNDS, FOR GRAVITY AND SINGLE ACTING DIESEL HAMMERS, THE VALUE IS BASED ON THE ACTUAL RAM STROKE OBSERVED IN THE FIELD AND MEASURED IN FEET MULTIPLIED BY THE RAM WEIGHT IN POUNDS.
 N = AVERAGE NUMBER OF HAMMER BLOWS PER INCH OF PILE PENETRATION FOR THE LAST 10 TO 20 BLOWS DELIVERED TO THE PILE HEAD.

THE ABOVE FORMULA IS ONLY APPLICABLE WHEN:
 - THE PILE DRIVING HAMMER HAS A FREE FALL (GRAVITY AND SINGLE ACTING HAMMERS ONLY).
 - THE HEAD OF THE PILE IS NOT BROOMED, CRUSHED OR OTHERWISE DAMAGED.
 - THE PENETRATION IS QUICK AND UNIFORM.
 - THERE IS NO APPRECIABLE REBOUND OF THE HAMMER AND A FOLLOWER IS NOT USED.

THE NUMBER OF BLOWS PER INCH OF PILE PENETRATION MAY BE MEASURED EITHER DURING INITIAL DRIVING OR BY RE-DRIVING WITH A WARM HAMMER OPERATED AT FULL ENERGY AFTER A PILE SET PERIOD, AS DETERMINED BY THE ENGINEER.
 IF WATER JETS ARE USED IN CONNECTION WITH THE DRIVING, DETERMINE THE AXIAL LOAD RESISTANCE BY THE FORMULA ONLY AFTER THE JETS HAVE BEEN WITHDRAWN.

CONCRETE -
 ALL PEDESTAL CONCRETE EDGES SHALL HAVE A 3/4" CHAMFER. ALL OTHER EXPOSED CONCRETE EDGES OF THE SUBSTRUCTURE SHALL HAVE A 1 1/2" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED.

ALL EXPOSED CONCRETE EDGES OF THE SUPERSTRUCTURE SHALL HAVE A 3/4" CHAMFER UNLESS OTHERWISE SHOWN OR NOTED. ALL CHAMFER STRIPS SHALL BE SIZED LUMBER.

EQUIP CONCRETE VIBRATORS WITH A SHEATH DESIGNED TO PREVENT DAMAGE TO EPOXY COATINGS WHEN VIBRATING CONCRETE CONTAINING EPOXY COATED REINFORCING STEEL.

STRUCTURAL STEEL -
 STRUCTURAL STEEL FOR PILING SHALL CONFORM TO AASHTO M270 (ASTM A572), GRADE 50.

PROVIDE STRUCTURAL STEEL FOR PLATE GIRDER AND ALL STIFFENER PLATES IN ACCORDANCE WITH AASHTO M270 (ASTM A709), GRADE 50WT2 (WEATHERING STEEL, NON-FRACTURE CRITICAL CHARPY V-NOTCH TESTED FOR ZONE 2). USE SHEAR CONNECTORS CONFORMING TO AASHTO M169 (ASTM A108), GRADE 1015, 1018 OR 1020. PROVIDE WELDING WITH WEATHERING CHARACTERISTICS.

CAMBER BEAMS TO ACCOUNT FOR VERTICAL CURVE AND DEAD LOAD DEFLECTION.

PROVIDE STRUCTURAL STEEL FOR CROSS-FRAME ANGLES AND GUSSET PLATES IN ACCORDANCE WITH AASHTO M270 (ASTM A 709), GRADE 50W (WEATHERING STEEL, CHARPY V-NOTCH TESTING NOT REQUIRED). USE BOLTS CONFORMING TO AASHTO M164 (ASTM A325). PROVIDE ALL BOLTS, NUTS, WASHERS AND WELDING WITH WEATHERING CHARACTERISTICS.

PROVIDE STRUCTURAL STEEL FOR ANCHOR PLATES, BUILT-UP CONTACT ANGLES AND CONTINUOUSLY THREADED ANCHOR RODS IN ACCORDANCE WITH AASHTO M270 (ASTM A709) GRADE 50W (WEATHERING STEEL, CHARPY V-NOTCH TESTING NOT REQUIRED). USE STEEL NUTS AND WASHERS CONFORMING TO AASHTO M291 (ASTM A 563), GRADE C3 OR DH3 AND AASHTO M293 (ASTM F436), TYPE 3, CIRCULAR RESPECTIVELY. PERFORM ALL WELDING CONSISTENT WITH PROCEDURES FOR WEATHERING STEEL.

STAY-IN-PLACE DECK FORM NOTES -
 THE CONTRACTOR MAY USE STAY-IN-PLACE STEEL DECK FORMS IF THE MINIMUM DECK SLAB THICKNESS OF 8" IS OBTAINED BY MEASURING FROM THE TOP OF THE DECK SLAB TO THE TOP PORTION OF THE STEEL CORRUGATION. PREFORMED CORRUGATION FILLER, COMPOSED OF POLYSTYRENE OR OTHER MATERIAL, MAY BE USED IF BONDED TO THE DECK FORMS. NO ADDITIONAL CONCRETE WEIGHT OF THE DECK SLAB IS PERMITTED. THE TOTAL ADDITIONAL WEIGHT OF THE DECK FORM AND FILLER SHALL NOT EXCEED 5 P.S.F. THE DEPARTMENT CONSIDERS ALL COSTS OF STAY-IN-PLACE STEEL DECK FORMS TO BE INCLUDED IN THE CONTRACT UNIT PRICE OF CLASS AA CONCRETE.

THE CONTRACTOR MAY SUBSTITUTE STAY-IN-PLACE PRE-STRESSED CONCRETE DECK FORMS, AT NO ADDITIONAL COST TO THE DEPARTMENT, IF THE FOLLOWING CONDITIONS ARE MET:

- THE BRIDGE ENGINEER APPROVES SHOP DRAWINGS AND STRUCTURAL CALCULATIONS FOR THE FORMS SUBMITTED BY THE CONTRACTOR.
- THE BRIDGE ENGINEER APPROVES NEW STRUCTURAL DESIGN, STRUCTURAL CALCULATIONS, AND A NEW REINFORCING SCHEDULE FOR THE DECK SLAB SUBMITTED BY THE CONTRACTOR.
- SHOP DRAWINGS, NEW DECK SLAB REINFORCING SCHEDULE, STRUCTURAL DESIGNS, AND CALCULATIONS ARE PREPARED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OKLAHOMA.

GENERAL NOTES CONTINUED

DECK SLAB NOTES -
 IN THE EVENT OF AN EMERGENCY, HALT THE PLACEMENT OF CONCRETE BY FORMING A CONSTRUCTION JOINT MADE PERPENDICULAR TO THE DIRECTION OF TRAFFIC OR AS DIRECTED BY THE ENGINEER. DO NOT PLACE ANY HEAVY EQUIPMENT ON THE FINISHED DECK SLAB WITHIN 5' OF ANY CONSTRUCTION JOINT UNTIL CONCRETE IS IN PLACE ON BOTH SIDES OF THE RESPECTIVE JOINT AND AT LEAST 48 HOURS HAS ELAPSED SINCE CONCRETE PLACEMENT.

SEAL ALL DECK SLAB CONSTRUCTION JOINTS WITH HIGH MOLECULAR WEIGHT METHACRYLATE IN ACCORDANCE WITH SECTION 523 OF THE SPECIFICATIONS. INCLUDE ALL COST OF EQUIPMENT AND LABOR FOR THE INSTALLATION OF THE HIGH MOLECULAR WEIGHT METHACRYLATE SEALER IN THE CONTRACT UNIT PRICE OF "SEALER CRACK PREPARATION". INCLUDE ALL COST OF THE HIGH MOLECULAR WEIGHT METHACRYLATE SEALER IN THE CONTRACT UNIT PRICE OF "SEALER RESIN". THE DEPARTMENT WILL NOT MEASURE THE PREPARATION AND SEALER OF EMERGENCY CONSTRUCTION JOINTS FOR PAYMENT.

BEAM BRACING FOR DECK SLAB PLACEMENT -
 SUBMIT DRAWINGS OF THE BRACING SYSTEM TO THE BRIDGE ENGINEER FOR APPROVAL. BRACING SYSTEMS OTHER THAN WHAT IS SHOWN IN THE PLANS MAY BE USED IF WORKING DRAWINGS AND CALCULATIONS OF THE PROPOSED BRACING SYSTEM ARE SUBMITTED TO THE BRIDGE ENGINEER FOR APPROVAL. DRAWINGS AND CALCULATIONS OF THE PROPOSED BRACING SYSTEM SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OKLAHOMA. NO DECK SLAB CONCRETE SHALL BE PLACED UNTIL BRACING SYSTEM IS APPROVED. ALL COST FOR BRACING AND FORMWORK SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

VENT HOLES
 PROVIDE 2" DIAMETER VENT HOLES IN BRIDGE DECK AS SHOWN ON SHEET 27.

EROSION CONTROL NOTES

THE CONTRACTOR SHALL SUBMIT A WRITTEN CONSTRUCTION AND ROAD OBLITERATION PLAN TO THE RESIDENT ENGINEER PRIOR TO THE PRE-CONSTRUCTION MEETING, TAKING INTO ACCOUNT THE CONSTRUCTION RESTRICTIONS AND BEST MANAGEMENT PRACTICES FOR EROSION CONTROL LISTED IN THE PLAN NOTES BELOW. THIS PLAN SHALL BE SUBMITTED TO THE RESIDENT ENGINEER FOR APPROVAL PRIOR TO START OF ANY CONSTRUCTION ACTIVITY. NO WORK CAN BEGIN UNTIL THE PLAN HAS BEEN REVIEWED AND APPROVED BY THE RESIDENT ENGINEER. THE RESIDENT ENGINEER SHALL ALLOW 30 DAYS FOR REVIEW OF THE PLANS.

THE CONTRACTOR WILL NOT BE COMPENSATED FOR ANY TIME DELAYS CAUSED BY THE REVIEW.

THE CONSTRUCTION AND ROAD OBLITERATION PLAN WILL TAKE INTO ACCOUNT THE CONSTRUCTION RESTRICTIONS AND BEST MANAGEMENT PRACTICES LISTED BELOW AND SHALL INCLUDE:

- HOW DRILLED SHAFTS WILL BE INSTALLED IN THE AREA OUTSIDE THE ORDINARY HIGH WATER MARK (OHWM) SHOWN ON THE PLANS.
- HOW THE SEDIMENT AND SLURRY CREATED FROM THE DRILLING PROCESS WILL BE REMOVED, DISPOSED OF AND PREVENTED FROM ENTERING THE WATERS OF THE LITTLE RIVER.
- HOW EROSION CONTROLS WILL BE INSTALLED TO PREVENT ANY AND ALL SEDIMENT FROM ENTERING THE WATERS OF THE LITTLE RIVER.
- HOW CONSTRUCTION OF THE PROPOSED BRIDGE WILL BE ACCOMPLISHED WITHOUT:
 - A) ALLOWING ANY MOTORIZED EQUIPMENT OR VEHICLES BELOW THE OHWM.
 - B) ALLOWING ANY ITEMS TO FALL INTO THE LITTLE RIVER CHANNEL WITHIN THE OHWM.
- A DETAILED CONSTRUCTION AND ROAD OBLITERATION SEQUENCE WITHIN TIMELINE, DEMONSTRATING THAT NO CONSTRUCTION OR OBLITERATION ACTIVITIES WILL BE CONDUCTED WITHIN THE OHWM.
- PLANS ILLUSTRATING THE LOCATION OF ALL DRILL PADS OUTSIDE THE OHWM OF THE LITTLE RIVER AND THE MATERIALS TO BE USED FOR THE DRILL PADS.

ALL THE CONSTRUCTION WORKERS WORKING ON THE PROJECT WILL BE FAMILIAR WITH THE CONSTRUCTION RESTRICTIONS AND BEST MANAGEMENT PRACTICES FOR EROSION CONTROL.

AT THE PRE-CONSTRUCTION MEETING, THE RESIDENT ENGINEER WILL PROVIDE SPECIFIC INSTRUCTIONS ON THE CONSTRUCTION RESTRICTIONS AND IMPLEMENTATION OF BEST MANAGEMENT PRACTICES FOR EROSION CONTROL.

THE ORDINARY HIGH WATER MARK (OHWM) ALONG WITH THE UPSTREAM AND DOWNSTREAM PROJECT BOUNDARIES SHALL BE CLEARLY MARKED IN THE FIELD BY A LICENSED SURVEYOR FOR RESIDENT ENGINEER AND CONTRACTOR CREWS TO OBSERVE.

NO FILL, EXCAVATION, RIPRAP, DRILL PADS OR WORK ROADS WILL BE ALLOWED TO BE PLACED BELOW THE OHWM. NO TEMPORARY FILL OR WORK ROADS WILL BE ALLOWED IN THE RIVER AND ON ANY WETLAND AREAS LOCATED IN THE VICINITY OF PROJECT.

EROSION CONTROL NOTES CONTINUED

VEHICLES OR OTHER MOTORIZED EQUIPMENT SHALL BE CONFINED AT ALL TIMES TO AREAS OUTSIDE OF THE OHWM OF THE LITTLE RIVER.

IF A BARGE IS USED, IT SHALL BE PUT INTO THE RIVER AT THE EXISTING BOAT RAMP AREA NEAR THE EXISTING BRIDGE.

STAGING AREAS FOR THE STORAGE OF EQUIPMENT, HAZARDOUS MATERIALS, FUELS, LUBRICATING OILS AND OTHER CHEMICALS SHALL BE LOCATED A MINIMUM DISTANCE OF 100 FEET FROM THE LITTLE RIVER OHWM. SEDIMENT AND EROSION CONTROLS SHALL BE INSTALLED AROUND THESE STAGING AREAS TO INHIBIT DISCHARGE OF MATERIALS FROM THESE SITES. REFUELING OF CONSTRUCTION EQUIPMENT SHALL ALSO BE CONDUCTED AT LEAST 100 FEET FROM THE OHWM.

ALL RUNOFF FROM DRILLING ACTIVITIES SHALL BE PREVENTED FROM ENTERING THE LITTLE RIVER.

NETTING OR SOME MEANS OF PROTECTION SHALL BE INSTALLED TO PREVENT CONSTRUCTION MATERIAL FROM FALLING INTO THE WATER DURING CONSTRUCTION. COST FOR THIS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

CONSTRUCTION WASTE MATERIALS AND DEBRIS SHALL BE STOCKPILED AT LEAST 25 FEET AWAY FROM THE OHWM OR WETLANDS, AND REMOVED AND DISPOSED OF PROPERLY FOLLOWING COMPLETION OF THE PROJECT.

DESIGNATED CONCRETE WASHOUT AREAS MUST BE LOCATED AT LEAST 100 FEET FROM THE OHWM OR WETLANDS.

EXCAVATED MATERIALS SHALL BE STOCKPILED AT LEAST 25 FEET AWAY FROM THE OHWM OR WETLANDS SO THAT THE MATERIAL CANNOT SLOUGH BACK INTO THESE AREAS.

DISTURBANCES TO AREAS OUTSIDE OF THE REQUIRED CONSTRUCTION FOOTPRINT (NORMALLY THE TOES OF SLOPES OR TOP OF CUTS) SHALL BE MINIMIZED TO THE GREATEST EXTENT PRACTICAL. ADDITIONALLY, THE AMOUNT OF VEGETATION CLEARED SHALL BE LIMITED TO ONLY WHAT IS NECESSARY FOR PROJECT CONSTRUCTION. NO VEGETATION SHALL BE REMOVED BELOW THE OHWM.

WATER SHALL NOT BE PUMPED FROM THE LITTLE RIVER FOR ANY PURPOSE.

APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE IMPACTS FROM STORM WATER DISCHARGES, IN CONFORMANCE WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY REGULATIONS, SHALL BE CONSCIENTIOUSLY IMPLEMENTED THROUGHOUT THE PROPOSED CONSTRUCTION PERIODS. THE EFFECTIVENESS OF EROSION CONTROLS SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION ACTIVITIES. TEMPORARY SEDIMENT/EROSION CONTROL STRUCTURES SHALL BE RETAINED UNTIL VEGETATION IS WELL ESTABLISHED, AND REMOVED FOLLOWING FINAL SITE STABILIZATION.

THE RESIDENT ENGINEER SHALL INSPECT EROSION CONTROLS PRIOR TO CONSTRUCTION, AND ONCE A WEEK DURING CONSTRUCTION, AND FOLLOWING PRECIPITATION OF ≥ 0.5 INCHES. THE EFFECTIVENESS OF EROSION CONTROLS SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION ACTIVITIES.

CULTURAL RESOURCES

IN ORDER TO AVOID IMPACTS TO CULTURAL RESOURCES IN THE PROJECT VICINITY THAT HAVE NOT BEEN ASSESSED FOR NRHP ELIGIBILITY, IT IS RECOMMENDED THAT THE FOLLOWING AREAS WITHIN 1 MILE OF THE STUDY AREA BE AVOIDED WHEN ESTABLISHING OFF-PROJECT FACILITIES SUCH AS BORROW PITS OR STAGING AREAS FOR HEAVY EQUIPMENT. (IF OFF-PROJECT FACILITIES ARE ESTABLISHED MORE THAN 1 MILE FROM THE STUDY AREA, ADDITIONAL SITE RESEARCH IS NECESSARY TO MAKE A RECOMMENDATION FOR AVOIDANCE.)

- T 7 S, R 23 E:
- SECTION 5: NE 1/4 NE 1/4 SW 1/4
 NW 1/4 NW 1/4, OUTSIDE AND EAST OF STUDYAREA
 SW 1/4 NW 1/4, OUTSIDE AND EAST OF STUDY AREA
- SECTION 6: SW 1/4 SE 1/4 NE 1/4
 SE 1/4 SW 1/4 NE 1/4
 NW 1/4 NE 1/4 SE 1/4
 NE 1/4 NW 1/4 SE 1/4
- T 6 S, R 23 E:
- SECTION 31: NE 1/4 SE 1/4 SE 1/4
 NE 1/4 NE 1/4 SW 1/4
- SECTION 32: SE 1/4 SW 1/4 NW 1/4

IF ANY PREHISTORIC OR PRE-1970 ARTIFACTS OR FEATURES (DEFINED BELOW) ARE ENCOUNTERED DURING ANY ACTIVITIES RELATED TO THIS PROJECT, DISTURBANCE SHOULD BE STOPPED AND THE DIVISION 2 ENGINEER, OKLAHOMA DEPARTMENT OF TRANSPORTATION, SHOULD BE NOTIFIED IMMEDIATELY. WORK SHOULD NOT RESUME IN THAT LOCATION UNTIL AN ARCHAEOLOGIST HAS EVALUATED THE FINDS.

"ARTIFACTS" INCLUDE CHIPPED STONE TOOLS AND DEBRIS, POTTERY, BONE, BURNED ROCK, PRE-1970 CERAMICS, GLASS, METAL, AND BUILDING MATERIALS. "FEATURES" INCLUDE BOTH PREHISTORIC AND PRE-1970 PHENOMENA SUCH AS TRASH DUMPS, HEARTHS, WELLS, CISTERNS, STORAGE PITS, CELLARS, OUTHOUSES, STRUCTURE LOCATIONS OR FOUNDATIONS, AND GRAVES OR HUMAN REMAINS.

REVISIONS		
REV. NO.	DESCRIPTION	DATE
△	ADDED NOTE	11-2-2015

ENVIRONMENTAL MITIGATION NOTES

THE NORTHERN LONG-EARED BAT, AN INSECTIVOROUS MIGRATORY BAT SPECIES PROTECTED BY THE ENDANGERED SPECIES ACT, OCCURS WITHIN THIS COUNTY. BIOLOGICAL STUDIES HAVE IDENTIFIED SUITABLE SUMMER ROOSTING OR FORAGING HABITAT WITHIN THE PROJECT'S ACTION AREA. IN ORDER TO AVOID ADVERSE IMPACTS TO NORTHERN LONG-EARED BATS THE FOLLOWING MEASURES SHALL BE TAKEN:

- ALL REMOVAL OF LIVE OR DEAD TREES, GREATER THAN 3 INCHES IN DIAMETER AT BREST HEIGHT (DBH), NECESSARY FOR CONSTRUCTION OR UTILITIES SHALL BE CONDUCTED BETWEEN NOVEMBER 15 AND MARCH 31.
- IF REMOVAL OF TREES CANNOT BE DONE BETWEEN NOVEMBER 15 AND MARCH 31, THE LOCAL GOVERNMENT DIVISION OR THE RESIDENT ENGINEER NEEDS TO CONTACT THE ODOT BIOLOGIST AT (405)521-2515 TO SCHEDULE A SPECIES SURVEY PRIOR TO START OF WORK. THE SURVEY CAN ONLY TAKE PLACE BETWEEN MAY 15 AND AUGUST 15. THE SURVEY AND ASSOCIATED USFWS CONSULTATION COULD TAKE 60 DAYS OR MORE TO COMPLETE. IF BATS ARE FOUND TO BE USING TREES FOR ROOSTING, THE TREES CANNOT BE REMOVED UNTIL NOVEMBER 15.
- THE REMOVAL OF TREES AND SHRUBS SHALL BE RESTRICTED TO AREAS WITHIN THE ACTUAL LIMITS OF CONSTRUCTION (TOE OF SLOPE/TOP OF CUT)

THE AMERICAN BURYING BEETLE IS PROTECTED BY THE ENDANGERED SPECIES ACT. SUITABLE HABITAT FOR THIS SPECIES OCCURS WITHIN THE IMMEDIATE VICINITY OF THE PROPOSED PROJECT. IN ORDER TO AVOID ADVERSE IMPACTS TO THE ABB, THE FOLLOWING MEASURES MUST BE FOLLOWED:

THIS PROJECT IS LOCATED OUTSIDE A U.S. FISH AND WILDLIFE SERVICE DEFINED CONSERVATION PRIORITY AREA, THE COUNTY OR CITY CAN EITHER PURCHASE MITIGATION CREDITS, OR AT COUNTY'S OR CITY'S COST HIRE A CONSULTANT WHO IS PERMITTED TO CONDUCT ABB SURVEYS. TO SURVEY THE PROPOSED PROJECT ACTION AREA WITHIN ONE YEAR PRIOR TO UTILITY RELOCATIONS OR GEOTECHNICAL INVESTIGATIONS (INITIAL GROUND DISTURBANCE), THE SURVEY SEASON IS GENERALLY MAY 26 – JULY 27 FOR PROJECTS WITH GROUND DISTURBANCE DURING THE ACTIVE SEASON (MAY 26-SEPTEMBER 14) AND IT IS JULY 28- SEPTEMBER 14 FOR PROJECTS WITH GROUND DISTURBANCE DURING THE INACTIVE SEASON (SEPTEMBER 15 –MAY 25). (NOTE: SURVEY DATES ARE WEATHER DEPENDENT). THE COUNTY SHALL PROVIDE THE ODOT BIOLOGIST A COPY OF THE SURVEY REPORT. IF THE SURVEY IS NEGATIVE THE GROUND DISTURBANCE NEEDS TO START WITHIN THE PERIOD THE SURVEY IS VALID FOR.

IF THE SURVEY DETECTS THE PRESENCE OF ABB, THE COUNTY OR CITY WILL NEED TO PURCHASE THE NECESSARY CREDITS FROM A U.S. FISH AND WILDLIFE SERVICE APPROVED ABB CONSERVATION BANK PRIOR TO ANY GROUND DISTURBING ACTIVITIES. THE COUNTY OR CITY SHALL PROVIDE THE ODOT BIOLOGIST WITH PROOF OF PURCHASE BEFORE THE PROJECT CAN HAVE ANY UTILITY RELOCATIONS OR GEOTECHNICAL INVESTIGATION (INITIAL GROUND DISTURBING ACTIVITY) OR CONSTRUCTION. NOTE: AREAS THAT ARE IMPACTED MORE THAN ONCE, NOT WITHIN THE SAME YEAR, WILL NEED TO BE MITIGATED SEPARATELY. FOR EXAMPLE, IF UTILITY RELOCATION CLEARS AN AREA OF SUITABLE HABITAT, AND CONSTRUCTION THEN CLEARS THE SAME AREA MORE THAN ONE YEAR LATER, MITIGATION WILL BE REQUIRED FOR BOTH ACTIONS REGARDLESS THAT IT WAS IN THE SAME LOCATION.

IF THERE IS ANY GROUND DISTURBANCE OUTSIDE OF THE MAINTAINED AREA IS ANTICIPATED FOR GEOTECHNICAL INVESTIGATION PRIOR TO R/W SUBMITTAL OR ANY GEOTECHNICAL INVESTIGATION IS ANTICIPATED OUTSIDE OF THE PROPOSED R/W ON THE R/W SUBMITTAL, THE GEOTECHNICAL CONSULTANT FOR THE COUNTY OR CITY NEEDS TO PROVIDE SHAPEFILES OR MICROSTATION FILES OF THE PROPOSED ACCESS ROADS FOR THE INVESTIGATION. THE ODOT BIOLOGIST WILL DETERMINE THE NUMBER OF CREDITS NEEDED TO MITIGATE TAKE, AND PROVIDE LOCAL GOVERNMENT DIVISION THE REQUIRED NUMBER OF MITIGATION CREDITS.

IF THERE IS ANY UTILITIES RELOCATIONS ANTICIPATED OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS, THE LOCAL GOVERNMENT PROJECT MANAGER WILL NEED TO OBTAIN SHAPEFILES OR MICROSTATION FILES OF THE PROPOSED DISTURBED AREA FOR EACH UTILITY AND PROVIDE THEM TO THE ODOT BIOLOGIST. THE ODOT BIOLOGIST WILL DETERMINE THE NUMBER OF CREDITS NEEDED TO MITIGATE TAKE, AND PROVIDE LOCAL GOVERNMENT DIVISION THE REQUIRED NUMBER OF MITIGATION CREDITS.

FOR CONSTRUCTION PROJECTS, THE LOCAL GOVERNMENT PROJECT MANAGER WILL NEED TO OBTAIN SHAPEFILES OR MICROSTATION FILES OF THE CONSTRUCTION PROJECT FROM THE DESIGNER AND PROVIDE THEM TO THE ODOT BIOLOGIST. THE ODOT BIOLOGIST WILL DETERMINE THE NUMBER OF CREDITS NEEDED TO MITIGATE TAKE, AND PROVIDE LOCAL GOVERNMENT DIVISION THE REQUIRED NUMBER OF MITIGATION CREDITS.

NO ARTIFICIAL LIGHTING SHALL BE USED DURING CONSTRUCTION. CARCASSES AND ALL FOOD TRASH SHALL BE REMOVED FROM THE PERMANENT OR TEMPORARY RIGHT-OF-WAY.

DESIGN			JTH	10/15	NS456 OVER LITTLE RIVER	McCURTAIN COUNTY	
DRAWN			TM	10/15			
CHECKED			JTH	10/15			
APPROVED							
SQUAD			KCS				
BRIDGE GENERAL NOTES						STATE JOB NO. 25469(04)	SHEET NO. 4

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