

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.	21899(04)			

DESCRIPTION	REVISIONS	DATE
NOTES		8/24/16

GENERAL CONSTRUCTION NOTES

MAINTENANCE OF THROUGH TRAFFIC INCLUDES THE MAINTENANCE OF THE EXISTING ROAD IN CLOSE PROXIMITY TO THE NEW CONSTRUCTION AS SHOWN ON THE PLANS.

FOR PROJECTS THAT INCLUDE WIDENING AND/OR RESURFACING, THE CONTRACTOR SHALL SCHEDULE OPERATIONS TO MINIMIZE POTENTIAL DROP-OFF HAZARDS AND SHALL SUBMIT A SEQUENCE OF CONSTRUCTION OPERATIONS TO THE RESIDENT ENGINEER FOR APPROVAL BEFORE OPERATIONS BEGIN. ANY PORTION OF THE CONSTRUCTION OPERATIONS, SUCH AS SUPERPAVE LAYING OPERATIONS, EXCAVATION FOR PAVEMENT WIDENING, OR EXTENSION OF ROADWAY STRUCTURES, SHALL BE LIMITED TO ONE SIDE AT A TIME, AND THE PROCEDURES OUTLINED IN THE PAVEMENT DROP-OFF TREATMENT STANDARD PDT-1 (LATEST REVISION) SHALL BE IMPLEMENTED. ONLY THAT AMOUNT OF OPEN TRENCH WILL BE ALLOWED THAT CAN BE SURFACED IN 1 (ONE) DAY'S TIME WITHOUT APPROVAL BY THE ENGINEER. LIGHTS, SIGNS AND BARRICADES SHALL BE MOVED AS WORK PROGRESSES.

ALL TREES, BRUSH, AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER SHALL BE CLEANED OUT TO THE RIGHT-OF-WAY LINE, AT EACH STRUCTURE AND BRIDGE, IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY RIGHT-OF-WAY FENCE AS REQUIRED. WHEN THE PORTION OF THE PROJECT THAT REQUIRED THIS FENCE IS COMPLETED, THE TEMPORARY FENCE SHALL BE REMOVED, AND PERMANENT RIGHT-OF-WAY FENCING SHALL BE RESTORED OR INSTALLED IN A MANNER APPROVED BY THE ENGINEER. ALL COST OF TEMPORARY FENCING SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

ALL FLOWLINES THAT ARE TO BE FILLED SHALL BE THOROUGHLY TAMPED BEFORE CONSTRUCTION OR EXTENSION OF DRAINAGE STRUCTURES. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

IN ORDER TO ALLEVIATE DUST CONDITIONS DURING GRADING OPERATIONS AND BEFORE PAVEMENT WORK IS COMPLETED, THE CONTRACTOR SHALL SPRINKLE GRADING AT INTERVALS APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

THE CONTRACTOR SHALL NOT WASTE ANY EXCESS EXCAVATION UNTIL ALL PLANNED EMBANKMENTS AND BACKFILLS ARE COMPLETED. EXCESS UNCLASSIFIED EXCAVATION MATERIAL DETERMINED BY THE ENGINEER TO BE SUITABLE FOR BACKFILL SHALL BE USED TO REDUCE ANY UNCLASSIFIED BORROW NEEDED. COST OF SECOND HANDLING SHALL BE INCLUDED IN OTHER ITEMS OF WORK. ANY REMAINING EXCESS EXCAVATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

PRIME COAT SHALL BE APPLIED TO THE SUBGRADE IMMEDIATELY AFTER FINAL COMPACTION AND SHAPING TO RETAIN MOISTURE FOR PROPER CHEMICAL REACTION OF THE SOIL ADDITIVE.

THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

VEGETATIVE MULCHING: THE VEGETATIVE MULCH SHALL BE ANCHORED IN ACCORDANCE WITH THE "MULCHING-TILLER METHOD", AS SPECIFIED IN 233.04B(2) OF THE STANDARD SPECIFICATIONS.

AREAS ON WHICH SALVAGED TOPSOIL IS TO BE REPLACED SHALL HAVE 18 - 46 - 0 FERTILIZER APPLIED, AT THE RATE OF 150 POUNDS PER ACRE, JUST PRIOR TO THE REPLACEMENT OF SALVAGED TOPSOIL.

AT THE BEGINNING OF TURFING OPERATIONS, ANY AREAS INCLUDED IN PLANNED QUANTITIES THAT HAVE GROWN A SATISFACTORY VOLUNTEER TURF OF PERENNIAL GRASS, AS DETERMINED BY THE ENGINEER, SHALL BE FERTILIZED AND WATERED AS CALLED FOR ON THE PLANS, BUT SHALL NOT BE SEEDED, SODDED, OR SPRIGGED.

THE CONTRACTOR SHALL REMOVE AND RESET MAILBOXES AS NECESSARY. MAILBOXES ARE TO BE MAINTAINED IN AN UPRIGHT POSITION AND ACCESSIBLE TO MAIL CARRIER'S CAR DURING CONSTRUCTION. ANY DAMAGE TO BOXES OR SUPPORTS SHALL BE REPAIRED BY THE CONTRACTOR. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

T.B.S.C. SURFACES SHALL BE SPRINKLED WITH WATER AND ROLLED WITH A PNEUMATIC ROLLER IN A MANNER APPROVED BY THE ENGINEER.

THE ENGINEER SHALL CHECK GRADES AT RAMP TERMINALS, AND MAKE ANY ADJUSTMENTS OF THE GRADES AND SUPERELEVATIONS, WHICH ARE REQUIRED TO OBTAIN SMOOTH PROFILES FOR BOTH EDGES OF THE RAMP PAVEMENT. CROSS SLOPE BREAKOVER SHALL NOT EXCEED 5%(FIVE PERCENT).

PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

THE STORM WATER MANAGEMENT PLAN CONFIRMED IN THE PRE-WORK MEETING SHALL BE MADE AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT.

DEBRIS SHALL NOT BE BURIED WITHIN LIMITS OF RIGHT OF WAY.

CONTRACTOR TO MAKE EVERY EFFORT TO LOCATE AND PROTECT ALL UTILITIES AND STRUCTURES, WHETHER SHOWN OR NOT, PRIOR TO ANY CONSTRUCTION OPERATIONS. HE SHALL SO CARRY ON HIS CONSTRUCTION SUCH THAT HE WILL NOT DAMAGE ANY UTILITIES OR STRUCTURES REMAINING IN PLACE. THE CONTRACTOR SHALL CONTACT OKIE BEFORE PERFORMING ANY EXCAVATIONS.

IF EXISTING UTILITIES ARE IDENTIFIED DURING CONSTRUCTION, A FIELD CHANGE MAY BE REQUIRED TO PROVIDE CLEARANCE OF THESE FACILITIES.

BIDDERS SHALL FULLY INFORM THEMSELVES OF THE NATURE OF THE WORK AND CONDITIONS UNDER WHICH IT WILL BE PERFORMED. THE CONTRACTOR SHALL ADOPT METHODS CONSISTENT WITH GOOD CONSTRUCTION PRACTICE AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO EXISTING FACILITIES TO REMAIN. ANY DAMAGE TO THESE EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER.

TRENCH WIDTHS SHALL BE AS SHOWN ON STANDARD SPI-4. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. ALL TRENCH EXCAVATION GREATER THAN 5 FEET IN DEPTH SHALL BE CONSTRUCTED IN CONFORMANCE WITH O.S.H.A. REGULATIONS. COST OF SHORING OR ADDITIONAL EXCAVATION SHALL BE SUBSIDIARY TO OTHER ITEMS OF WORK.

IT IS REQUESTED THAT THE IMPROVEMENTS LOCATED ON THE FOLLOWING PARCELS BE INCLUDED ON THE PLANS FOR THE CONTRACTOR TO REMOVE. ITEMS WILL NOT BE MEASURED FOR PAYMENT SEPARATELY AND WILL BE SUBSIDIARY TO ITEM "REMOVAL OF STRUCTURES AND OBSTRUCTIONS" LISTED BELOW ARE THE APPROXIMATE STATION AND DESCRIPTION OF EACH IMPROVEMENT:

PARCEL	STATION NO.	IMPROVEMENT
3	776+37 LT 103' CL STA. I-44	3" DIA. X 12' HAGL METAL SIGN POST W/ A 4' ARM, IN CONCRETE
6/7	768+29 RT 173' CL STA. I-44	3'X2.5'X5' CONCRETE WALL END DITCH
7	768+30.5 RT 173' CL STA. I-44	3'X2.5'X5' CONCRETE WALL END DITCH
7	768+31.5 RT TO 773+95.22 RT 126'-158' CL STA. I-44	3'X566.5'X5' DECORATIVE CONCRETE BLOCK WALL (ALONG FENCE LINE)
7	769+21 RT 181' CL STA. I-44	CONCRETE FOOTING/SIGN BASE
7	769+81.5 RT 181' CL STA. I-44	3" DIA. X 12' HAGL METAL SIGN POST W/ A 4' ARM, IN CONCRETE
9	784+02 LT 147' CL STA. I-44	BILLBOARD- "THERMO KING" 10'X50'X10' HAGL SINGLE FACE WOOD/VINYL PANEL; (6) 4" DIA. STEEL POSTS & BRACES; CONCRETE BASE;ELECTRIC; LIGHTS; APRON-LAMAR/OK TAG-3024
9	787+53 LT 140' CL STA. I-44	BILLBOARD- "BOB HURLEY" 10'X50'X10' HAGL SINGLE FACE WOOD/VINYL PANEL; (6) 4" DIA. STEEL POSTS & BRACES; CONCRETE BASE;ELECTRIC; LIGHTS; APRON-LAMAR/REG. NO.013232/OK TAG. 3026
10	790+84 LT 155' CL STA. I-44	BILLBOARD- "MEGA WATTS" 10'X50'X10' HAGL SINGLE FACE METAL/VINYL PANEL; (12) 8" DIA. STEEL POSTS & BRACES; CONCRETE BASE;ELECTRIC; LIGHTS; APRON-LAMAR/OK TAG-7267
12	796+50 LT 146' CL STA. I-44	BILLBOARD- "BEST WESTERN" 10'X50'X10' HAGL SINGLE FACE METAL/VINYL PANEL; (12) 8" DIA. STEEL POSTS; (15) 4" DIA. BRACES; CONCRETE BASE;ELECTRIC; LIGHTS; APRON: CATWALK-LAMAR/REG. NO. 010002
19	806+09 LT 148'-150' CL STA. I-44	2 LF X 3' CONCRETE RETAINING WALL
22	820+09 LT 146' CL STA. I-44	CONCRETE FOOTING/SIGN BASE
22	817+04 LT TO 819+18.06 LT 149' CL STA. I-44	236.95 LF 2 RAIL VINYL ROW FENCE
27	800+15 RT 126' CL STA. I-44	CONCRETE FOOTING UNDER SIGN
28	803+83 RT 109' CL STA. I-44	CONCRETE FOOTING/SIGN BASE
29	808+72 RT 124' CL STA. I-44	CONCRETE FOOTING/SIGN BASE
29	811+35 RT 122' CL STA. I-44	CONCRETE FOOTING/SIGN BASE
31	818+50 RT 101'-155' CL STA. I-44	54 LF 6"X2' CONCRETE WALL
31	818+95 RT 101' CL STA. I-44	1' CONCRETE LIGHT STANDARD BASE/FOOTING
31	819+24.8 RT 102' CL STA. I-44	CONCRETE FOOTING/FLAG POLE BASE
31	819+25 RT 135' CL STA. I-44	3'X4' CONCRETE SIGN BASE/FOOTING
31	819+57 RT 101' CL STA. I-44	1' CONCRETE LIGHT STANDARD BASE/FOOTING

GEOTECHNICAL REPORT NOTES

THE FOLLOWING GEOTECHNICAL REPORTS HAVE BEEN PREPARED BY KLEINFELDER FOR THIS PROJECT:

DATE	DESCRIPTION
JULY 2012	PEDOLOGICAL AND GEOLOGICAL SURVEY
MAY 2013	REVISED I-44 AT 145TH IN PLACE SURVEY
JULY 2014	EMBANKMENT REPORT
MAY 2013	REVISED SHOULDER REPORT
MAY 2013	NORTH 145TH EAST AVENUE BRIDGE OVER I-44

THE GEOTECHNICAL REPORT IS AVAILABLE FOR REVIEW AT THE OFFICE ENGINEER DIVISION, ODOT, 200 N.E. 21ST STREET, OKLAHOMA CITY, OK 73105. CONTRACTOR SHOULD TAKE INTO CONSIDERATION THE INFORMATION CONTAINED WITHIN THE REPORT IS FOR BIDDING PURPOSES. ANY INFORMATION CONTAINED IN THE GEOTECHNICAL REPORT SHOULD NOT BE CONSTRUED AS REPRESENTATIVE OF ALL FIELD CONDITIONS.

ENVIRONMENTAL NOTES

△ AMERICAN BURYING BEETLE (ABB)
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
THREATENED AND ENDANGERED BAT SPECIES OCCUR WITHIN THE PROJECT'S ACTION AREA. IN ORDER TO AVOID ADVERSE IMPACTS TO THESE SPECIES, BRIDGE AND CULVERT REPAIR, RETROFIT, MAINTENANCE, REHABILITATION OR DEMOLITION SHALL BE RESTRICTED TO THE INACTIVE SEASON BETWEEN NOVEMBER 16, AND MARCH 31. ADDITIONALLY, ALL WORK WITHIN THE ORDINARY HIGH WATER MARK SHALL BE RESTRICTED TO BETWEEN NOVEMBER 16, AND MARCH 31, TO PROTECT FORAGING BATS WITHIN THE WORK ZONE. THE RESIDENT ENGINEER SHALL CONTACT THE ODOT BIOLOGIST AT 405-521-2515 IF THE PROJECT CONSTRUCTION ACTIVITIES WILL EXTEND BEYOND MARCH 31, 2017, SO A BAT SURVEY CAN BE SCHEDULED. SURVEYS CAN ONLY BE CONDUCTED BETWEEN MAY 15, AND AUGUST 15. ANY REPAIR, RETROFIT, MAINTENANCE, REHABILITATION OR DEMOLITION WORK BETWEEN MARCH 31, AND COMPLETION OF THE 2017 SURVEY SHALL REQUIRE ADDITIONAL CONSULTATION WITH THE USFWS FOR AN ADVERSE EFFECT. ADDITIONAL CONSULTATION WILL TAKE A MINIMUM OF 30 DAYS, FROM THE TIME OF A COMPLETE SUBMISSION OF THE DETAILED AND EXPLICIT DESCRIPTION OF ALL PROPOSED WORK ACTIVITIES AND TIMEFRAMES, FROM THE RESIDENT ENGINEER TO THE ODOT BIOLOGIST. IF THE ACOUSTIC SURVEY INDICATES THE PRESENCE OF LISTED BAT SPECIES, REPAIR, RETROFIT, MAINTENANCE, REHABILITATION OR DEMOLITION SHALL BE RESTRICTED TO INACTIVE SEASON BETWEEN NOVEMBER 16, AND MARCH 31. AND ALL WORK WITHIN THE ORDINARY HIGH WATER MARK SHALL BE RESTRICTED TO BETWEEN NOVEMBER 16, AND MARCH 31, TO PROTECT FORAGING BATS WITHIN THE WORK ZONE. THE CONTRACTOR WILL NOT BE COMPENSATED FOR ANY DELAYS. APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE IMPACTS FROM STORM WATER DISCHARGES, AS ESTABLISHED BY THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY, SHALL BE CONSCIOUSLY IMPLEMENTED THROUGHOUT THE PROPOSED CONSTRUCTION PERIODS. THE EFFECTIVENESS OF EROSION CONTROLS SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION ACTIVITIES.

△ 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 2013. 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.

△ PERMANENT LIGHTING
IF ANY PERMANENT LIGHTING IS INSTALLED OR REPLACED, DOWNWARD-FACING FULL CUT-OFF LENS LIGHTS SHALL BE INSTALLED AND DIRECTED AWAY FROM SUITABLE HABITAT.

DESIGN	AKS	6/14	TULSA & ROGERS COUNTIES
DRAWN	TML	6/14	
CHECKED	KMM	6/16	
APPROVED			
SQUAD	GARVER		

GENERAL CONSTRUCTION NOTES
(ROADWAY)

STATE JOB NO. 21899(04) SHEET NO. 13