

ROADWAY GENERAL CONSTRUCTION NOTES:

EXISTING ROADWAY MAY BE CLOSED TO THROUGH TRAFFIC WHEN APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVES AND FIELD ENTRANCES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS, AND SIGNING WITHIN THE LIMITS OF CONSTRUCTION. ALL CONSTRUCTION SIGNING WILL BE DONE ACCORDING TO STANDARDS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION), AND AS SHOWN ON TCS STANDARD DRAWINGS.

THE EXISTING ROAD MAY BE CLOSED TO THROUGH TRAFFIC AT THE APPROVAL OF THE ENGINEER ONLY. THE LENGTH OF CLOSURE MAY NOT EXCEED 5 DAYS AT ANY ONE TIME OR AS DIRECTED BY THE ENGINEER.

ALL TREES, BRUSH, AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER ARE TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINES AT THE BRIDGE IN A MANNER APPROVED BY THE ENGINEER. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.

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

THE CONTRACTOR SHALL GIVE NOTICE TO THE COUNTY AND THE OKLAHOMA DEPARTMENT OF TRANSPORTATION (DIVISION 1) IN WRITING, FOURTEEN (14) CALENDAR DAYS BEFORE WORK BEGINS ON THE PROJECT.

CONTRACTOR SHALL NOT DISTURB ANY RIGHT-OF-WAY STAKES. IF ANY OF THE RIGHT-OF-WAY STAKES ARE REMOVED OR DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING THEM, AT HIS OWN EXPENSE, TO THE SATISFACTION OF THE ENGINEER AND COUNTY, IN ORDER TO CONSTRUCT THE PERMANENT FENCE AT THE PROPER LOCATION.

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

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE HE MAY INFLICT TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF HIS DIGGING, TRENCHING, BORING, ETC. . . . PRIOR TO DIGGING NEAR THE UTILITIES, THE CONTRACTOR SHALL CALL FOR A LIST OF ALL UNDERGROUND FACILITIES REGISTERED IN THE AREA OF CONSTRUCTION LISTED WITH THE FOLLOWING AGENCIES:

THE OKIE NOTIFICATION CENTER 811 OR 1-800-522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE.

AT&T GLENN LEACH 918-351-5023
 CHEROKEE CO. RWD #11 918-772-2915
 LAKE REGION ELECTRIC & WATER COOP. 918-772-6939

DEPTH OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

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

EROSION CONTROL NOTES:

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

AT THE BEGINNING OF THE TURFING OPERATIONS, ANY AREAS INCLUDED IN PLANNED QUANTITIES THAT HAVE GROWN A SATISFACTORY VOLUNTEER TURF OR 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.

AREAS ON WHICH SALVAGED TOPSOIL IS TO BE REPLACED SHALL HAVE 18-46-0 FERTILIZER OR APPROVED EQUAL APPLIED, AT THE RATE OF 150 LBS. PER ACRE, JUST PRIOR TO THE REPLACEMENT OF SALVAGED TOPSOIL. THE COST OF 18-46-0 FERTILIZER SHALL BE INCLUDED IN PRICE BID FOR "TYPE A-SALVAGED TOPSOIL".

ENVIRONMENTAL MITIGATION NOTES:

AMERICAN BURYING BEETLE: 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.

NORTHERN LONG-EARED BAT: 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 DIAMETER AT BREAST HEIGHT (DBH), NECESSARY FOR CONSTRUCTION OR UTILITIES SHALL BE CONDUCTED BETWEEN NOVEMBER 16 AND MARCH 31.
- IF REMOVAL OF TREES CANNOT BE DONE BETWEEN NOVEMBER 16 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 THE TREES FOR ROOSTING, THE TREES CANNOT BE REMOVED UNTIL NOVEMBER 16.
- CLIFF SWALLOWS AND BARN SWALLOWS: CLIFF SWALLOWS AND BARN SWALLOWS ARE SMALL COLONIAL NESTING BIRDS PROTECTED BY THE FEDERAL MIGRATORY BIRD TREATY ACT. THESE SPECIES COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR THE SWALLOWS 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. SWALLOW USE OF BRIDGE/CULVERT NBI NO. 08255 WAS NOT OBSERVED DURING THE INITIAL SURVEYS CONDUCTED AS PART OF THE BIOLOGICAL STUDIES IN 2014. SWALLOWS MAY OCCUPY THE BRIDGE IN THE FUTURE NESTING SEASONS. 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.

ROADWAY PAY QUANTITY NOTES:

- (R-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.
- (R-4) INCLUDES 200 C.Y. FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS GRADING.
- (R-7) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF (10-20-10) FERTILIZER, ESTIMATED AT 200 LBS. PER 1,000 S.Y.
- (R-8) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GAL. PER S.Y.
- (R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 6.06 ACRES.
- (R-28) PRIME COAT SHALL BE APPLIED AT AN ESTIMATED RATE OF 0.35 GAL. PER SQ. YD. WHEN APPLIED TO SUBGRADE AND 0.25 GAL. PER SQ. YD. WHEN APPLIED TO AGGREGATE BASE. THE ACTUAL CUT BACK PRIME COAT REQUIRED FOR PLACEMENT OPERATIONS WILL BE DETERMINED BY THE CONTRACTOR, AND SHALL CONSIDER THE RESIDUE FROM DISTILLATION PERCENTAGE SHOWN IN SECTION 708.03 OF THE STANDARD SPECIFICATIONS.
- (R-32) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.
- (R-41) QUANTITY INCLUDES AN ESTIMATED 10 C.Y. TO BE USED AS DIRECTED BY THE ENGINEER.
- (R-49) TO BECOME THE PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.
- (R-52) INCLUDES 2% FOR GROUND MEASUREMENT.
- (R-53) ALL GATES AND GATE POSTS FOR STRANDED WIRE FENCE (SWF) SHALL BE CONSTRUCTED AT THE SAME WIDTH AS THE EXISTING, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

1. THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL, STOCKPILE IT, AND PLACE IT BACK ON THE SECTION IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. RESERVED TOPSOIL SHALL BE SPREAD FIRST ON THE COMPLETED SLOPES OF THE CUT SECTIONS AND THE REMAINDER ON COMPLETED FILL SLOPES OR OTHER PRIORITY AREAS LOCATED BY THE ENGINEER. ALL ADDITIONAL COSTS ASSOCIATED WITH OPERATION SHALL BE INCLUDED IN THE PAY ITEM FOR TOPSOIL, LUMP SUM. PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER OR APPROVED EQUAL, ESTIMATED AT 150 LBS PER ACRE ON WHICH TOPSOIL IS REPLACED.

THE GRADING LINE AS SHOWN ON THE TYPICAL AND CROSS SECTIONS IS TO THE TOP OF THE TOPSOIL. EARTHWORK QUANTITIES WERE NOT ADJUSTED FOR SALVAGE AND THE TOPSOIL QUANTITIES ARE INCLUDED IN THE EARTHWORK BALANCE.

- ESTIMATED QUANTITY FOR TEMPORARY EROSION AND SEDIMENT CONTROL TO BE USED IN A MANNER APPROVED BY THE ENGINEER. PRICE BID TO INCLUDE COST OF SILT REMOVAL, RESTORATION OF ERODED SLOPES, NECESSARY MAINTENANCE, MAINTAINING IN AN UPRIGHT POSITION, AND REMOVAL. REMOVE SEDIMENT WHEN 50% FULL.
- INCLUDES 205 TONS FOR RURAL DRIVES AND 46 TONS FOR MAILBOX TURNOUTS.
- ESTIMATED AT 0.075 GAL. PER SQ. YD. PRIOR TO DILUTION.
- THIS ITEM SHALL INCLUDE ALL TRAFFIC CONTROL DEVICES NECESSARY TO REGULATE ALL TRAFFIC DURING CONSTRUCTION. THIS ITEM SHALL BE PAID FOR AS A LUMP SUM DUE TO THE MINOR EXTENT OF CONSTRUCTION FOR THIS PROJECT. TRAFFIC CONTROL SHALL BE IN ACCORDANCE TO STATE STANDARDS AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION. ALL CONSTRUCTION SIGNS OVER 10 S.F. SHALL BE DOUBLE POSTED. ALL SIGNS AND BARRICADES, WHICH ARE SHOWN WITH TYPE 'A' LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS.
- CONSTRUCTION STAKING SHALL INCLUDE ESTABLISH AND RE-ESTABLISH STAKING OF CENTERLINE, BENCHMARKS, AND RIGHT-OF-WAY. INCLUDES SLOPE STAKING, STRUCTURE AND BRIDGE STAKING, ROADWAY STAKING (DRIVEWAYS INCLUDED), BLUETOPPING, AND CHECKING ALIGNMENTS AND ELEVATIONS AS REQUIRED.
- TO BE USED AT THE DISCRETION OF THE ENGINEER.
- IF THE CONTRACTOR DISPUTES THE QUANTITIES, THE CONTRACTOR MUST CALCULATE EARTHWORK QUANTITIES AND SUBMIT TO THE ENGINEER FOR APPROVAL.
- INCLUDES 300 TONS FOR SHOOFLY.
- ESTIMATED AT 140 LBS. PER CU. FT.
- THE CONTRACTOR MUST PROVIDE TESTING RESULTS FROM A CERTIFIED LAB THAT THE BORROW SITE IS FREE FROM DISPERSIVE CLAYS AS REQUIRED IN SECTION 202.02(A) IN THE SPEC BOOK BEFORE ANY MATERIAL CAN BE PLACED ON THE PROJECT.
- THIS PAY ITEM WILL INCLUDE THE SKT-SP-MSG OR APPROVED SUBSTITUTE. THE ET-PLUS WILL NOT BE ALLOWED.
- INCLUDES 10% FOR PATCHING.

RESPONSIBILITY OF COUNTY:

ACQUIRING RIGHT-OF-WAY.
 REMOVAL AND RELOCATION OF UTILITIES.
 DETOUR SIGNING OUTSIDE THE LIMITS OF CONSTRUCTION.

DESCRIPTION	REVISIONS	DATE
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29394(04) PAY QUANTITIES				
0100 ROADWAY ITEMS				
ITEM	DESCRIPTION	PAY NOTES	UNIT	QUANTITY
201(A)	0102 CLEARING AND GRUBBING		L. SUM	1
202(A)	0183 UNCLASSIFIED EXCAVATION	R-1,8	C.Y.	13,284
202(D)	0184 UNCLASSIFIED BORROW	R-1,R-4,8, 11	C.Y.	681
205(A)	4229 TYPE A - SALVAGED TOPSOIL	1	L. SUM	1
209	0120 MACHINE GRADING	7	L.F.	100
210	0121 OBLITERATING ABANDONED ROAD		L.F.	932
221(C)	2801 TEMPORARY SILT FENCE	2	L.F.	7,390
221(F)	0100 TEMPORARY SILT DIKE	2	L.F.	196
221(G)	0150 TEMPORARY ROCK FILTER DAM TYPE 1	2	C.Y.	20
221(G)	0152 TEMPORARY ROCK FILTER DAM TYPE 3	2	C.Y.	106
230(A)	2806 SOLID SLAB SODDING	R-7,R-8	S.Y.	31,983
233(A)	2817 VEGETATIVE MULCHING	R-11	AC.	6.06
303(A)	2100 AGGREGATE BASE TYPE A	13	C.Y.	2,845
325	5271 SEPARATOR FABRIC		S.Y.	11,517
402(E)	0225 TRAFFIC BOUND SURFACE COURSE TYPE E	3,9,10	TON	2,894
407(B)	0250 TACK COAT	4	GAL.	2,785
408	5774 PRIME COAT	R-28	GAL.	6,023
411(B)	5945 SUPERPAVE, TYPE S3 (PG 64-22 OK)	R-32,13	TON	1,559
411(C)	5960 SUPERPAVE, TYPE S4 (PG 64-22 OK)	R-32	TON	4,779
509(D)	0325 CLASS C CONCRETE	R-41	C.Y.	10
601(B)	0536 TYPE I-A PLAIN RIPRAP		TON	895
601(C)	0538 TYPE I-A FILTER BLANKET		TON	255
613(B)	0689 18" CORR. GALV. STEEL PIPE		L.F.	142
613(B)	4529 35" X 24" CORR. GALV. STEEL PIPE ARCH		L.F.	54
613(M)	7186 TYPE A4 CULVERT END TREATMENT		EA.	6
613(M)	7187 TYPE B4 CULVERT END TREATMENT		EA.	2
619(A)	0920 REMOVAL OF STRUCTURES & OBSTRUCTIONS		L.SUM	1
619(B)	4728 REMOVAL OF ASPHALT PAVEMENT	R-49	S.Y.	2,279
619(B)	8610 REMOVE AND RESET CATTLE GUARD	7	EA.	3
624(C)	4459 FENCE-STYLE SWF (5 BARBED WIRE)	R-52,R-53	L.F.	4,546
629(A)	4958 MAILBOX INSTALLATION-SINGLE		EA.	16
629(B)	4959 MAILBOX INSTALLATION-MULTIPLE		EA.	7
629(C)	4960 MAILBOX		EA.	32
629(D)	4961 REMOVAL OF MAILBOX INSTALLATION		EA.	32

29394(04) PAY QUANTITIES				
0300 TRAFFIC ITEMS				
ITEM	DESCRIPTION	PAY NOTES	UNIT	QUANTITY
623(G)	8571 GUARDRAIL END TREATMENT (GET)	12	EA.	4
853	9030 DELINEATORS(TYPE 1, CODE 3)		EA.	16
853	9039 DELINEATORS(TYPE 2, CODE 3)		EA.	4
854(A)	8800 TRAFFIC STRIPE (PAINT) (4" WIDE)		L.F.	64,161
880(J)	8905 CONSTRUCTION TRAFFIC CONTROL	5	L. SUM	1

29394(04) PAY QUANTITIES				
0600 STAKING				
ITEM	DESCRIPTION	PAY NOTES	UNIT	QUANTITY
642(B)	0096 CONSTRUCTION STAKING LEVEL II	6	L. SUM	1

29394(04) PAY QUANTITIES				
0640 CONSTRUCTION				
ITEM	DESCRIPTION	PAY NOTES	UNIT	QUANTITY
220	2800 SWPPP DOCUMENTATION AND MANAGEMENT		L. SUM	1
641	1399 MOBILIZATION		L. SUM	1

DESIGN	RAA	12/15	OKLAHOMA DEPARTMENT OF TRANSPORTATION GUY ENGINEERING SERVICES, INC.
DRAWN	ALM	12/15	
CHECKED	RAP	12/15	
APPROVED	RAA	12/15	
SQUAD			

SUMMARY OF PAY QUANTITIES & NOTES (ROADWAY)

STATE JOB NO. 29394(04) SHEET NO. 4