

FED. ROAD DIST. NO.	STATE	JOB/PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				
DESCRIPTION					DATE
REVISED ITEM UNIT					8/1/2016

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

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.

PERMANENT SEEDING MIX SHALL BE AS FOLLOWS:

KINDS OF SEED TO BE FURNISHED	QUANTITY PER ACRE
CRIMSON CLOVER (TRIFOLIUM INCARNATUM)	12 LBS. OF SEED
PERENNIAL RYEGRASS (LOLIUM PERENNE)	20 LBS. OF SEED
BERMUDA (CYNODON DACTYLON)	15 LBS. OF SEED

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 SEED, SODDED, OR SPRIGGED.

PIPE UNDERDRAIN QUANTITIES ESTIMATED ONLY. LOCATION, IF AND WHERE REQUIRED, TO BE DETERMINED BY THE ENGINEER.

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.

SURFACING OF RETURNS, UNLESS OTHERWISE SHOWN ON THE PLANS, SHALL BE OF THE SAME MATERIAL (BASE AND SURFACE) AS THAT OF THE ABUTTING SHOULDER OF THE MAINLINE. BASE AND SURFACE THICKNESS SHALL BE THE THICKNESS SHOWN ON PLANS.

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

EXCESS ASPHALT AT JOINTS AND CRACKS IN EXISTING PAVEMENT SHALL BE REMOVED FLUSH TO TOP OF PAVING IN A MANNER APPROVED BY THE ENGINEER.

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.

ENVIRONMENTAL MITIGATION NOTES:

LOCATIONS OUTSIDE THE PROJECT AREA IN THE FOLLOWING AREA MUST NOT BE UTILIZED FOR BORROW, EQUIPMENT STAGING, HAUL ROADS, SOIL DUMPS, OR ANY OFF-SITE PROJECT RELATED ACTIVITY.

T15N R19E:

SECTION 22: E 1/2, NE 1/4, NE 1/4
W 1/2, NW 1/4, NE 1/4
NW 1/4, SW 1/4, NE 1/4
E 1/2, SE 1/4, NW 1/4

SECTION 13: NW 1/4, NW 1/4
E 1/2, SE 1/4, NW 1/4
S 1/2, NE 1/4, SW 1/4
SE 1/4, SW 1/4, SE 1/4

AMERICAN BURYING BEE TLE NOTE:

NO ARTIFICIAL LIGHTING SHALL BE USED DURING CONSTRUCTION. CARCASSES AND ALL FOOD TRASH SHALL BE REMOVED FROM THE PERMANENT ROW THROUGHOUT THE DURATION OF THE PROJECT ACTIVITIES.

(R-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.

(R-4) INCLUDES 250 CU. YDS. FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS EARTHWORK.

(R-5) AN ESTIMATED QUANTITY OF _____ C.Y. TOPSOIL TO BE RESERVED FOR REPLACEMENT OF APPROXIMATELY 5' ON COMPLETED FORESLOPES, DITCHES, AND BACKSLOPES. THIS QUANTITY IS INCLUDED IN THE EARTHWORK BALANCE. ANY ADDITIONAL EXCAVATION REQUIRED IN CUT SECTIONS TO ALLOW FOR PLACEMENT OF TOPSOIL TO FINAL GRADE, SHALL BE INCLUDED IN THE PRICE BID.

(R-7) FOR 205(A) PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE. FOR 232(B) PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 300 POUNDS PER ACRE

(R-8) FOR 232(B) PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER SQ. YARD

(R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 31 ACRES.

(R-16) QUANTITY BASED ON TWO APPLICATIONS.

(R-25) ESTIMATED AT 165 LBS. PER CU. FT.

(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 CUTBACK 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-46) ANY DRAINAGE STRUCTURE DESCRIBED AS TEMPORARY, SHALL AFTER COMPLETION OF THE PROJECT, BE REMOVED BY AND BECOME THE PROPERTY OF THE CONTRACTOR.

(R-48) INCLUDES REMOVAL OF ALL EXISTING ROADWAY DRAINAGE STRUCTURES, HEADWALLS (UNLESS OTHERWISE SPECIFIED), INLETS, FENCES, AND OTHER STRUCTURES WITHIN THE RIGHT OF WAY.

(R-49) TO BECOME THE PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.

(R-50) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION 202.06 UNCLASSIFIED EXCAVATION.

(R-52) INCLUDES 2% FOR GROUND MEASUREMENT.

(R-53) ALL GATES AND GATE END POSTS FOR STRANDED WIRE FENCE (SWF) SHALL BE CONSTRUCTED AT THE SAME WIDTH AS THE EXISTING, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

(1) THE BORROW PIT MUST BE MADE AVAILABLE TO THE RESIDENCY AT LEAST 30 DAYS PRIOR TO USE ON THE PROJECT TO ALLOW FOR SAMPLING AND TESTING FOR THE PRESENCE OF DISPERSIVE CLAYS.

(2) ESTIMATED QUANTITY TO BE USED IN A MANNER AND LOCATION APPROVED BY THE ENGINEER.

(3) PRICE BID TO INCLUDE COST OF TEMPORARY SEDIMENT REMOVAL AS DIRECTED BY THE ENGINEER.

(4) MEASUREMENT WILL BE BASED ON THE THEORETICAL CROSS-SECTION, SHOWN ON THE TYPICAL SECTION, MULTIPLIED BY THE ACTUAL LENGTH.

(5) PRICE BID TO INCLUDE THE CHEMICAL ADDITIVE(S) TO ACHIEVE THE RATE SPECIFIED FOR THE APPROPRIATE SOIL CLASSIFICATION AS SPECIFIED IN THE MOST CURRENT ODOT MATERIALS DIVISION OHD-L50. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CLASSIFY THE SOIL AND DETERMINE THE APPROPRIATE ADDITIVE(S).

(6) INCLUDES 200 TONS TO BE USED IN A MANNER AND LOCATION DETERMINED BY THE ENGINEER.

(7) ESTIMATED AT .075 GAL. PER SQ. YD. PRIOR TO DILUTION.

(8) PRICE BID TO INCLUDE COST OF 441 CY TRENCH EXCAVATION AND 221 STANDARD BEDDING MATERIAL

(9) THE REMOVAL OF EXISTING PAVEMENT SHALL BE PERFORMED IN A MANNER THAT WOULD MINIMIZE DAMAGE TO THE ADJACENT PAVEMENT. NO COMPENSATION WILL BE MADE TO THE CONTRACTOR FOR REPAIRING DAMAGE SUSTAINED DURING THE REMOVAL PROCESS. PAYMENT OF THIS ITEM SHALL BE FULL COMPENSATION FOR FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS TO COMPLETE THE WORK AS SPECIFIED, INCLUDING ANY BASE REPAIR, LEVELING OR BACKFILL.

(10) ALL ASPHALT MIXES USED ON THIS PROJECT SHALL MEET MICRO-DEVAL SPECIFICATIONS

0100 ROADWAY SUMMARY OF PAY QUANTITIES 27956(04)				
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QUANTITY
201(A)	0102	CLEARING AND GRUBBING	LSUM	1.00
202(A)	0183	UNCLASSIFIED EXCAVATION	CY	32,162.00
202(D)	0184	UNCLASSIFIED BORROW	(1) (R-4) CY	5,812.00
205(A)	4229	TYPE A-SALVAGED TOPSOIL	(R-5) (R-7) LSUM	1.00
221(C)	2801	TEMPORARY SILT FENCE	(2) (3) LF	2,673.00
221(D)	2803	TEMPORARY SEDIMENT FILTER	(2) (3) EA	5.00
221(F)	0100	TEMPORARY SILT DIKE	(2) (3) LF	840.00
221(G)	0151	TEMPORARY ROCK FILTER DAM TYPE 2	(2) (3) CY	13.00
229	4318	DITCH LINER PROTECTION	LF	8,244.00
232(B)	2814	SEEDING METHOD B	(R-7) (R-8) AC	17.51
233(A)	2817	VEGETATIVE MULCHING	(R-11) AC	17.51
241	2832	MOWING	(R-16) AC	35.02
303(A)	2100	AGGREGATE BASE TYPE A	(4) CY	11,062.00
307(K)	4300	STABILIZED SUBGRADE	(5) SY	47,564.00
325	5271	SEPARATOR FABRIC	SY	57,986.00
326(B)	0100	GEOGRID REINFORCEMENT	SY	15,647.00
402(E)	0225	TRAFFIC BOUND SURFACE COURSE (TYPE E)	(6) (R-25) TON	7,446.00
407(B)	0250	TACK COAT	(7) GAL	7,177.00
408	5774	PRIME COAT	(R-28) GAL	29,846.00
411(B)	5940	SUPERPAVE, TYPE S3 (PG 70-28 OK)	(10) (R-32) TON	1,170.00
411(B)	5945	SUPERPAVE, TYPE S3 (PG 64-22 OK)	(10) (R-32) TON	13,960.00
411(C)	5950	SUPERPAVE, TYPE S4 (PG 76-28 OK)	(10) (R-32) TON	12,441.00
411(C)	5955	SUPERPAVE, TYPE S4 (PG 70-28 OK)	(10) (R-32) TON	1,406.00
411(C)	5960	SUPERPAVE, TYPE S4 (PG 64-22 OK)	(10) (R-32) TON	3,922.00
411(H)	6210	SUPERPAVE, TYPE S3 (PATCH) (PG 64-22 OK)	(2) (10) (R-32) TON	50.00
417	5267	COLD MILLING PAVEMENT	SY	111,067.00
509(A)	0319	CLASS AA CONCRETE	CY	18.00
509(D)	0325	CLASS C CONCRETE	CY	1,377.00
511(A)	0332	REINFORCING STEEL	(R-1) LB	2,644.00
609(B)	1501	1'-8" COMB. CURB & GUTTER (6" MNTBLE)	LF	216.00
610(B)	0604	6" CONC. DRIVEWAYS	SY	679.00
611(G)	6002	INLET-SMD TYPE 2	EA	3.00
613(A)	0491	18" R.C. PIPE CLASS III	LF	263.00
613(A)	4495	22" X 13" R.C. PIPE ARCH CLASS A-III	LF	50.00
613(A)	4404	26" X 15" R.C. PIPE ARCH CLASS A-III	LF	180.00
613(A)	4497	36" X 22" R.C. PIPE ARCH CLASS A-III	LF	309.00
613(A)	4500	58" X 36" R.C. PIPE ARCH CLASS A-III	LF	61.00
613(B)	0689	18" CORR. GALV. STEEL PIPE	(R-46) LF	95.00
613(B)	0690	24" CORR. GALV. STEEL PIPE	(R-46) LF	118.00
613(B)	4527	21" X 15" CORR. GALV. STEEL PIPE ARCH	LF	189.00
613(B)	4528	28" X 20" CORR. GALV. STEEL PIPE ARCH	LF	79.00
613(H)	0450	6" PERFORATED PIPE UNDERDRAIN ROUND	(2) (8) LF	1,653.00
613(I)	1096	6" NON-PERF. PIPE UNDERDRAIN RND.	(2) (8) LF	551.00
613(M)	7186	TYPE A4 CULVERT END TREATMENT	EA	10.00
613(M)	7187	TYPE B4 CULVERT END TREATMENT	EA	4.00
613(M)	7191	TYPE AA4 CULVERT END TREATMENT	EA	2.00
613(M)	7194	TYPE DD4 CULVERT END TREATMENT	EA	1.00
613(M)	7301	TYPE AAA6 CULVERT END TREATMENT	EA	2.00
613(M)	7302	TYPE BBB6 CULVERT END TREATMENT	EA	2.00
613(Q)	5946	OUTLET LATERAL HEADWALL	(2) EA	5.00
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-48) (R-49) LSUM	1.00
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	(9) (R-49) (R-50) SY	24,035.00
619(C)	0924	SAWING PAVEMENT	LF	9,966.00
624(C)	4459	FENCE-STYLE SWF (5 BARBED WIRE)	(R-52) (R-53) LF	869.00
624(E)	4288	FENCE-STYLE CLF (4' HIGH, CLASS A)	(R-52) LF	334.00
629(A)	4958	MAILBOX INSTALLATION-SINGLE	EA	2.00
629(C)	4960	MAILBOX	EA	2.00
629(D)	4961	REMOVAL OF MAILBOX INSTALLATION	EA	2.00

0600 STAKING SUMMARY OF PAY QUANTITIES 27956(04)				
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QUANTITY
642(B)	0096	CONSTRUCTION STAKING LEVEL II	LSUM	1.00

0640 CONSTRUCTION SUMMARY OF PAY QUANTITIES 27956(04)				
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QUANTITY
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.00
641	1552	MOBILIZATION	LSUM	1.00

DESIGN		OKLAHOMA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION					
DRAWN							
CHECKED							
APPROVED							
SQUAD	STILLWATER						
COUNTY	MUSKOGEE	HIGHWAY	US-62/SH-10	STATE JOB NO.	JP 27956(04)	SHEET NO.	8

SUMMARY OF PAY QUANTITIES (ROADWAY)