

**GENERAL CONSTRUCTION NOTES**

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.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING SECTION LINE ROADS 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 IS TO 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 THE PRICE BID FOR 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.

THIS PROJECT IS LOCATED NEAR KNOWN SOURCES OF GYPSUM (SULFATE) DEPOSITS. SPECIAL ATTENTION SHOULD BE USED TO AVOID BORROW MATERIAL THAT COULD ADVERSELY INTERACT WITH THE CALCIUM BASED ADDITIVES (FLY ASH, PORTLAND CEMENT, CEMENT KILN DUST, AND LIME) USED IN THE STABILIZED SUBGRADE. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE SULFATE TESTING OF BORROW PIT SITES AS DIRECTED BY THE ENGINEER.

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.

TEMPORARY SEEDING MIX SHALL BE AS FOLLOWS:  
 KINDS OF SEED TO BE FURNISHED QUANTITY PER ACRE  
 WHEAT (TRITICUM AESTIVUM) 120 LBS. OF SEED

THE PLANTING OF WHEAT SEEDS SHALL BE RESTRICTED TO THE PERIOD FROM SEPTEMBER 1 TO NOVEMBER 15.

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 0 - 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.

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.

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.

**PAY QUANTITY NOTES**

- (R-4) INCLUDES 1,500 CU. YDS. FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS EARTHWORK.
- (R-5) AN ESTIMATED QUANTITY OF 22,200 C.Y. TOPSOIL TO BE RESERVED FOR REPLACEMENT OF APPROXIMATELY 5" ON COMPLETED FORE SLOPES, 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 TYPE A SALVAGED TOPSOIL, PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE.
- (R-8) FOR SOLID SLAB SODDING, PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER SQ YD.
- (R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 50 ACRES.
- (R-16) QUANTITY BASED ON TWO APPLICATIONS.
- (R-25) ESTIMATED AT 120 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-34) PRICE BID TO INCLUDE COST OF FOG SEAL, MEETING THE REQUIREMENTS OF SECTION 407 OF THE STANDARD SPECIFICATIONS.
- (R-41) QUANTITY INCLUDES AN ESTIMATED 25 C.Y. TO BE USED AS DIRECTED BY THE ENGINEER.
- (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.

**PAY QUANTITY NOTES**

- (1) PAY AS PLAN QUANTITY
- (2) PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER. ESTIMATED AT 200 LBS PER 1,000 SQ. YDS. OF SODDING.
- (3) ESTIMATED QUANTITY TO BE USED AS TEMPORARY SEEDING IN DISTURBED AREAS. TO BE WHEAT ONLY.
- (4) ESTIMATED AT 0.075 GAL. PER SQ YD PRIOR TO DILUTION.
- (5) STANDARD BEDDING MATERIAL CLASS B, STANDARD BEDDING MATERIAL CLASS C, AND TRENCH EXCAVATION WILL BE PAID FOR IN OTHER ITEMS. SEE SUMMARY OF DRAINAGE STRUCTURES FOR QUANTITIES.
- (6) ALL TREE REMOVAL TO BE INCLUDED IN PRICE BID FOR CLEARING AND GRUBBING, EVEN WHEN TREES ARE NOT SHOWN ON THE PLANS. SEE ENGINEER BEFORE REMOVING ANY TREES.
- (7) STRUCTURAL EXCAVATION UNCLASSIFIED SHALL BE PAID FOR IN THE BID PRICE FOR CONCRETE CLASS AA. NO ADDITIONAL PAYMENT SHALL BE MADE.
- (8) ESTIMATED QUANTITY FOR TEMPORARY EROSION AND SEDIMENT CONTROL TO BE USED IN A MANNER APPROVED BY THE ENGINEER. PRICE BID TO INCLUDED THE COST OF NECESSARY MAINTENANCE, MAINTAINING IN AN UPRIGHT POSITION, AND SILT REMOVAL WHEN EROSION CONTROL DEVICES ARE HALF FULL.
- (9) ESTIMATED QUANTITY TO BE USED AS DIRECTED BY THE ENGINEER.

**ENVIRONMENTAL MITIGATION NOTES  
MIGRATORY BIRD**

MIGRATORY BIRDS ARE PROTECTED BY THE FEDERAL MIGRATORY BIRD TREATY ACT. MANY BIRDS COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR MOST MIGRATORY BIRD SPECIES EXTENDS FROM APRIL 1 TO AUGUST 31. MIGRATORY BIRD NESTING USE OF THE CULVERTS AT STA. 156+13 AND 242+54 INVOLVED WITH THIS PROJECT WAS OBSERVED. PAINTING, REPAIR, RETROFIT, REHABILITATION OR DEMOLITION OF THE EXISTING BRIDGE/STRUCTURES SHALL BE CONDUCTED BETWEEN SEPTEMBER 1, AND MARCH 31, WHEN MIGRATORY BIRD NESTS ARE NOT OCCUPIED. IF PAINTING, REPAIR, RETROFIT, REHABILITATION OR DEMOLITION CANNOT BE COMPLETED BETWEEN SEPTEMBER 1 AND MARCH 31, THE BRIDGE SHALL BE PROTECTED FROM NEW NEST ESTABLISHMENT PRIOR TO APRIL 1, BY MEANS THAT DO NOT RESULT IN BIRD DEATH OR INJURY. OPTIONS INCLUDE THE EXCLUSION OF ADULT BIRDS FROM SUITABLE NEST SITES ON OR WITHIN A STRUCTURE BY THE PLACEMENT OF WEATHER-RESISTANT POLYPROPYLENE NETTING WITH 0.25-INCH OR SMALLER OPENINGS, PRIOR TO APRIL 1. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

ALTHOUGH NO NESTS WERE OBSERVED ON ALL OTHER STRUCTURES, THE RESIDENT ENGINEER SHALL CONTACT THE ODOT BIOLOGIST AT 405-521-2515 IF ANY BIRD USE OF THE EXISTING STRUCTURES IS OBSERVED. IF BIRDS ARE OBSERVED THEN PAINTING, REPAIR, RETROFIT, REHABILITATION OR DEMOLITION OF THE EXISTING BRIDGE/STRUCTURES SHALL BE CONDUCTED BETWEEN SEPTEMBER 1, AND MARCH 31, WHEN MIGRATORY BIRD NESTS ARE NOT OCCUPIED.

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.				
DESCRIPTION		REVISIONS		DATE	
△ REV. QUANT.				6/12/17	
△ REV. NOTE				8/30/17	
△ DELETE ITEM				10/10/17	

PAY QUANTITIES ROADWAY 100					
Item No.	Description	UNIT	QUANTITY		
201(A)	0102 CLEARING AND GRUBBING	(6) LSUM	1.00		
202(A)	0183 UNCLASSIFIED EXCAVATION	(1)(R-4) CY	198,819.00		
205(A)	4229 TYPE A-SALVAGED TOPSOIL	(R-5)(R-7) LSUM	1.00		
221(C)	2801 TEMPORARY SILT FENCE	(8) LF	7,430.00		△
221(D)	2803 TEMPORARY SEDIMENT FILTER	(8) EA	4.00		
221(F)	0100 TEMPORARY SILT DIKE	(8) LF	1,344.00		
221(G)	0150 TEMPORARY ROCK FILTER DAM TYPE 1	(8) CY	150.00		
230(A)	2806 SOLID SLAB SODDING	(2)(R-8) SY	221,413.00		
232(B)	2814 SEEDING METHOD B	(4)(R-8)(R-11) AC	50.00		
233(A)	2817 VEGETATIVE MULCHING	(R-11) AC	50.00		
241	2832 MOWING	(R-16) AC	92.00		
307(K)	4300 STABILIZED SUBGRADE	(1) SY	117,731.00		
402(E)	0225 TRAFFIC BOUND SURFACE COURSE TYPE E	(10)(R-25) TON	1,562.00		
407(B)	0250 TACK COAT	(4) GAL	25,567.00		
408	5774 PRIME COAT	(R-28) GAL	41,381.00		
411(B)	5935 SUPERPAVE, TYPE S3 (PG 76-28 OK)	(R-32) TON	13,839.00		
411(B)	5945 SUPERPAVE, TYPE S3 (PG 64-22 OK)	(R-32) TON	49,846.00		
411(C)	5950 SUPERPAVE, TYPE S4 (PG 76-28 OK)	(R-32) TON	9,226.00		
411(C)	5960 SUPERPAVE, TYPE S4 (PG 64-22 OK)	(R-32) TON	4,001.00		
412	5267 COLD MILLING PAVEMENT	(1)(R-34) SY	24,148.00		
509(A)	0319 CLASS AA CONCRETE	(1)(7) CY	13.34		
509(D)	0325 CLASS C CONCRETE	(R-41) CY	51.00		
511(A)	0332 REINFORCING STEEL	(1) LB	2,151.90		
611(G)	6002 INLET (SMD-TYPE 2)	(5) EA	2.00		
613(A)	0491 18" R.C. PIPE, CLASS III	(5) LF	1,097.00		
613(A)	0492 24" R.C. PIPE, CLASS III	(5) LF	602.00		
613(A)	0493 30" R.C. PIPE, CLASS III	(5) LF	456.00		
613(A)	0494 36" R.C. PIPE, CLASS III	(5) LF	478.00		
613(A)	4495 22" X 13" R.C. PIPE ELLIPTICAL, CLASS A-III	(5) LF	46.00		
613(A)	4506 29" X 45" R.C. PIPE ELLIPTICAL, CLASS HE-III	(5) LF	404.00		
613(H)	0450 6" PERFORATED PIPE UNDERDRAIN ROUND	(9) LF	500.00		
613(L)	5734 36" PREFAB. CULVERT END SECTION ROUND	EA	4.00		
613(L)	4506 22" X 13" PREFAB. CULVERT END SEC ARCH	EA	2.00		
613(M)	7186 TYPE A4 CULVERT END TREATMENT	EA	8.00		
613(M)	7189 TYPE D4 CULVERT END TREATMENT	EA	1.00		
613(M)	7192 TYPE BB4 CULVERT END TREATMENT	EA	3.00		
613(M)	7193 TYPE CC4 CULVERT END TREATMENT	EA	16.00		
613(M)	7196 TYPE A6 CULVERT END TREATMENT	EA	12.00		
613(M)	7197 TYPE B6 CULVERT END TREATMENT	EA	2.00		
613(M)	7198 TYPE C6 CULVERT END TREATMENT	EA	1.00		
613(M)	7202 TYPE BB6 CULVERT END TREATMENT	EA	1.00		
613(M)	7203 TYPE CC6 CULVERT END TREATMENT	EA	2.00		
619(A)	0920 REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-48)(R-49) LSUM	1.00		
619(B)	0291 REMOVAL OF HEADWALL	(R-48)(R-50) EA	7.00		
619(B)	4728 REMOVAL OF ASPHALT PAVEMENT	(1)(R-49)(R-50) SY	41,032.00		
619(C)	0924 SAWING PAVEMENT	LF	5,983.00		
624(C)	4459 FENCE-STYLE SWF (5 BARBED WIRE)	(R-52)(R-53) LF	26,157.00		

PAY QUANTITIES				
Staking 600				
ITEM	DESCRIPTION	UNITS	QUANTITY	
642(B)	0096 CONSTRUCTION STAKING LEVEL II	LSUM	1.00	

PAY QUANTITIES				
Construction 640				
ITEM	DESCRIPTION	UNITS	QUANTITY	
220	2800 SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.00	
641	1552 MOBILIZATION	LSUM	1.00	

DESIGN	GC	
DRAWN	RM	
CHECKED	CC	
APPROVED	CS	
SQUAD	DEWBERRY	

**PAY QUANTITIES AND NOTES  
(ROADWAY)**