

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.	20839(08)		AR01	1

DESCRIPTION	REVISIONS	DATE
	REVISED UNIT OF MEASURE	09-26-2017

**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.

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 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.

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.

THE USE OF A MTV (MATERIAL TRANSFER VEHICLE) WILL NOT BE REQUIRED FOR THIS PROJECT.

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

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.

**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 3,500 CU. YDS. FOR DRIVEWAYS, RAMPS, DIKES, AND MISCELLANEOUS EARTHWORK WHERE NO QUANTITY IS SHOWN ON P&P SHEETS.

(R-5) AN ESTIMATED QUANTITY OF 13,736 CY TOPSOIL TO BE RESERVED FOR PLACEMENT 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 FOR FINAL GRADE, SHALL BE INCLUDED IN THE PRICE BID.

(R-7) FOR TYPE A SALVAGED TOPSOIL, PRICE BID TO INCLUDE COST OF 0-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE.

FOR SOLID SLAB SODDING, PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER 1,000 SQUARE YARDS.

(R-8) FOR TYPE A SALVAGED TOPSOIL, PRICE BID TO INCLUDE COST OF WATERING ESTIMATED AT 120 K-GALLONS PER ACRE.

FOR SOLID SLAB SODDING, PRICE BID TO INCLUDE COST OF WATERING ESTIMATED AT 40 GALLONS PER SQUARE YARD.

(R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 41 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-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) COLD MILLING SHALL BE USED AS DEEMED NECESSARY AND AS DIRECTED BY THE ENGINEER.

(2) TO BE USED FOR FIELD ENTRANCES AND TEMPORARY DRIVES AS DIRECTED BY THE ENGINEER. AN ESTIMATED 1,000 TONS INCLUDED FOR TEMPORARY DRIVES.

(3) REFER TO RIPRAP SUMMARY FOR MORE DETAILS.

(4) PRICE BID SHALL INCLUDE REMOVAL OF SEDIMENT WHEN DEPTH OF SEDIMENT REACHES ONE-THIRD HEIGHT OF THE TEMPORARY SILT DIKE OR TEMPORARY SILT FENCE.

(5) INCLUDES STAKING OF SLOPE STAKES, BLUE TOPS AND OTHER NEEDS OF THE CONTRACTOR.

(6) SAWING PAYEMENT SHALL INCLUDE BOTH ASPHALT AND CONCRETE AND ANY COMBINATIONS THAT MAY BE ENCOUNTERED.

(7) C.E.T. SHALL BE GRATED (REFER TO DRAINAGE SUMMARY FOR MORE INFORMATION).

(8) FOR REMOVAL ITEMS, SEE SUMMARY SHEET AND REMOVAL PLAN SHEETS. ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION.

**ENVIRONMENTAL MITIGATION NOTES:**

MIGRATORY BIRD MIGRATORY BIRDS ARE PROTECTED BY THE FEDERAL BIRD TREATY ACT. MANY BIRDS COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR MOST BIRD SPECIES EXTENDS FROM APRIL 1 TO AUGUST 31. THE PROJECT WAS SURVEYED FOR MIGRATORY BIRD NESTS IN 2015. ALTHOUGH NO NESTS WERE OBSERVED, THE SURVEY IS VALID ONLY UNTIL 2016 NESTING SEASON. 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. THE BRIDGE MAY 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 0.25-INCH OR SMALLER OPENINGS, PRIOR TO APRIL 1. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

THE OKLAHOMA HISTORICAL SOCIETY SHOULD BE CONTACTED PRIOR TO RELOCATION OF THE HISTORICAL MARKER LOCATED NEAR STA. 580+00 TO ASSURE THAT IT IS PROPERLY REPOSITIONED. THE CONTACT PERS AT THE OKLAHOMA HISTORICAL SOCIETY FOR THIS PROCESS IS MS. KATHY DICKSON, MUSEUMS & HISTORIC SITES DIRECTOR, AT (405) 522-5231 OR KDICKSON@OKHISTORY.ORG.

ROADWAY 0100		SUMMARY OF QUANTITIES (ROADWAY)			
SPEC. NO.	DESCRIPTION	NOTES	UNIT	QUANTITY	
201(A)	0102	CLEARING AND GRUBBING	L SUM	1.0	
202(A)	0183	UNCLASSIFIED EXCAVATION	(R-1) C.Y.	20,407	
202(D)	0184	UNCLASSIFIED BORROW	(R-1)(R-4) C.Y.	67,085	
205(A)	4229	TYPE A-SALVAGED TOPSOIL	(R-5)(R-7)(R-8) L SUM	1.0	
221(C)	2801	TEMPORARY SILT FENCE	(R-1)(4) L.F.	23610	
221(F)	0100	TEMPORARY SILT DIKE	(R-1)(4) L.F.	2080	
230(A)	2806	SOLID SLAB SODDING	(R-7)(R-8)(R-13) S.Y.	106480	
233(A)	2817	VEGETATIVE MULCHING	(R-11) AC.	22	
241	2832	MOWING	(R-16) AC.	44	
307(A)	4200	FLY ASH	TON	4,825.0	
307(E)	4240	CEMENTITIOUS STABILIZED SUBGRADE	S.Y.	93,336.0	
310(B)	0149	SUBGRADE, METHOD B	S.Y.	8,084.0	
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	(R-25)(2) TON	3,917.0	
407(B)	0250	TACK COAT	GAL.	10,837.0	
408	5774	PRIME COAT	(R-28) GAL.	14,424.0	
411(B)	5935	SUPERPAVE TYPE S3 (PG 76-28 OK)	(R-32) TON	13,064.0	
411(B)	5945	SUPERPAVE TYPE S3 (PG 64-22 OK)	(R-32) TON	42,946.0	
411(C)	5950	SUPERPAVE TYPE S4 (PG 76-28 OK)	(R-32) TON	8,511.0	
411(C)	5960	SUPERPAVE TYPE S4 (PG 64-22 OK)	(R-32) TON	2,593.0	
412	5267	COLD MILLING PAVEMENT	(R-34)(1) S.Y.	2,000.0	
501(A)	1306	STRUCTURAL EXCAVATION UNCLASSIFIED	C.Y.	207.0	
501(G)	6315	CLSM BACKFILL	(R-1) C.Y.	20.0	
509(A)	1326	CLASS AA CONCRETE	C.Y.	376.0	
509(D)	0325	CLASS C CONCRETE	C.Y.	527.0	
511(A)	0332	REINFORCING STEEL	LB	56,280.0	
601(A)	0297	TYPE I PLAIN RIPRAP	(3) TON	71.0	
609(B)	1513	1'-8" COMB. CURB AND GUTTER (6" BARRIER)	L.F.	7,643.0	
610(A)	0602	4" CONCRETE SIDEWALK	S.Y.	4,551.4	
610(B)	0604	6" CONCRETE DRIVEWAY	S.Y.	232.0	
610(I)	4610	TACTILE WARNING DEVICE-NEW	S.F.	192	
611(G)	5100	INLET CI DES. 1 (STD)	EA	1.0	
611(G)	5112	INLET CI DES. 2 (STD)	EA	15.0	
611(H)	5320	ADDL DEPTH IN INLET CI DES. 1	V.F.	1.4	
611(H)	5325	ADDL DEPTH IN INLET CI DES. 2	V.F.	27.5	
613(A)	0491	18" R.C. PIPE CLASS III	L.F.	722.1	
613(A)	0492	24" R.C. PIPE CLASS III	L.F.	267.6	
613(A)	0493	30" R.C. PIPE CLASS III	L.F.	396.8	
613(A)	0494	36" R.C. PIPE CLASS III	L.F.	68.0	
613(B)	0689	18" CORR. GALV. STEEL PIPE	L.F.	129.0	
613(B)	0690	24" CORR. GALV. STEEL PIPE	L.F.	121.0	
613(B)	4529	35" X 24" CORR. GALV. STEEL PIPE ARCH	L.F.	45.0	
613(M)	7186	TYPE A4 CULVERT END TREATMENT	(7) EA	18.0	
613(M)	7187	TYPE B4 CULVERT END TREATMENT	(7) EA	4.0	
613(M)	7188	TYPE C4 CULVERT END TREATMENT	(7) EA	2.0	
613(M)	7196	TYPE A6 CULVERT END TREATMENT	(7) EA	10.0	
613(M)	7197	TYPE B6 CULVERT END TREATMENT	(7) EA	4.0	
613(M)	7198	TYPE C6 CULVERT END TREATMENT	(7) EA	8.0	
613(M)	7199	TYPE D6 CULVERT END TREATMENT	(7) EA	2.0	
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-48)(R-49)(R-50)(8) LSUM	1.0	
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	(R-49)(R-50) S.Y.	15,039	
619(C)	0924	SAWING PAVEMENT	(6) L.F.	3,710.0	
624(B)	4464	GATES-STYLE WWF (4.5'HIGH X 14'LONG)	EA	2.0	
624(C)	4459	FENCE-STYLE SWF (5 BARBED WIRE)	(R-52)(R-53) L.F.	2,720.0	

STAKING 600		SUMMARY OF QUANTITIES (STAKING)			
SPEC. NO.	DESCRIPTION	NOTES	UNIT	QUANTITY	
642(B)	0096	CONSTRUCTION STAKING LEVEL II	(5) L SUM	1.0	

CONSTRUCTION 640		SUMMARY OF QUANTITIES (CONSTRUCTION)			
SPEC. NO.	DESCRIPTION	NOTES	UNIT	QUANTITY	
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	L SUM	1.0	
641	1552	MOBILIZATION	L SUM	1.0	

DESIGN	BB	DRM	OKLAHOMA DEPARTMENT OF TRANSPORTATION DESIGN DIVISION
DRAWN	JB	MKW	
CHECKED	BB		
APPROVED	GC		
SQUAD	JACOBS		
SUMMARY OF PAY QUANTITIES (ROADWAY)			JOB PIECE NO. 20839(08) SHEET NO. AR01