

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.

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.

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.

TREES OUTSIDE THE TOE OF FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE APPROVAL OF THE ENGINEER.

AN EFFORT HAS BEEN MADE TO LOCATE AND SHOW ON THESE PLANS EXISTING UTILITIES. WHETHER OR NOT SHOWN ON THE PLANS, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT THE LINES DURING CONSTRUCTION. THE "OKIE" UTILITY LOCATION NUMBER 1-800-522-6543 SHOULD BE CALLED PRIOR TO ANY EXCAVATION. ADJUSTMENT AND/OR RELOCATION OF LINES THAT INTERFERE WITH CONSTRUCTION WILL BE MADE BY THE OWNER OF THE LINE. ALL COSTS TO REPAIR ANY DAMAGE TO A UTILITY LINE CAUSED BY THE CONTRACTOR, OR ANY OF HIS SUBCONTRACTORS, WHETHER THAT LINE WAS SHOWN ON THE PLANS OR NOT, WILL BE BORNE BY THE CONTRACTOR.

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

THE CONTRACTOR IS ADVISED TO MAKE SPECIAL EFFORT TO POSITIVELY LOCATE, EXPOSE AND MARK ANY AND ALL FIBER OPTICS CABLES WITHIN THE PROJECT LIMITS PRIOR TO BEGINNING ANY DIGGING OPERATIONS.

BORROW PITS SHALL NOT BE CONSTRUCTED IN WETLANDS. ONCE A POTENTIAL BORROW SITE IS IDENTIFIED, CONTACT THE U.S. ARMY CORPS OF ENGINEERS, REGULATORY BRANCH AT: (918) 669-7400 FOR A WETLANDS DETERMINATION. SEE "ENVIRONMENTAL MITIGATION NOTES" THIS SHEET FOR ADDITIONAL INFORMATION.

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

(1) EXCAVATION WILL NOT BE MEASURED IN THE FIELD BUT WILL BE PAID FOR AS THE PLAN QUANTITY OF UNCLASSIFIED EXCAVATION TIMES THE UNIT PRICE BID PER C.Y. OF EXCAVATION. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS. EXCAVATED MATERIAL, APPROVED BY THE ENGINEER TO BE USED AS FILL, SHALL BE MOVED TO ITS NEW LOCATION WITHIN THE PROJECT AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS. COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR EXCAVATION. ANY ADDITIONAL EXCAVATION APPROVED BY THE ENGINEER WILL BE MEASURED AND PAID FOR SEPARATELY AT THE UNIT PRICE BID.

(2) RESPONSIBILITY FOR OBTAINING AND COSTS ASSOCIATED WITH TRANSPORTING, PLACING AND PROPERLY COMPACTING FILL MATERIAL IN PLACE FROM OFF-SITE SOURCES, SHALL BE BORNE BY THE CONTRACTOR. ONLY MATERIAL APPROVED BY THE ENGINEER WILL BE ALLOWED IN THE ROADBED CROSS SECTION AS FILL MATERIAL. THE QUANTITY OF UNCLASSIFIED BORROW SHOWN INCLUDES AN ESTIMATED 15% FOR COMPACTION. CONTRACTOR SHALL NOT UTILIZE ANY BORROWSOIL CONTAINING SULFATE CONCENTRATIONS > 1000 PPM. MIXING WATER FOR USE IN SUBGRADE STABILIZATION SHALL BE TESTED FOR SULFATES.

(3) 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. PRICE BID TO INCLUDE COST OF D-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE. 18-46-0 FERTILIZER MAY BE SUBSTITUTED.

(4) PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER 1000 SQUARE YARDS.

(5) INCLUDES THE COST OF SEDIMENT REMOVAL AS REQUIRED BY THE ENGINEER.

(6) THIS ITEM INCLUDES AN ESTIMATED QUANTITY TO BE USED ONLY AS APPROVED BY THE ENGINEER. SEE THE APPROPRIATE DETAIL OR SUMMARY SHEET.

(7) SEE TABLES ON SHT. 7 FOR APPLICATION RATES.

(8) EXCAVATION AND STR. EXCAVATION WILL NOT BE MEASURED FOR PAYMENT ON THIS PROJECT FOR DRAINAGE STRUCTURES. COST SHALL BE INCLUDED IN PRICE BID FOR CLASS AA CONCRETE.

(9) PRIME COAT SHALL BE APPLIED IMMEDIATELY AFTER COMPLETION OF THE AGGREGATE BASE, WITH THE APPROVAL OF THE ENGINEER.

(10) TEMPORARY SLOPE PROTECTION QUANTITIES HAVE BEEN PROVIDED IN THIS CONTRACT, HOWEVER, WITH THE APPROVAL OF THE ENGINEER, PERMANENT SOLID SLAB SODDING MAY BE APPLIED IMMEDIATELY UPON COMPLETION OF THE PERMANENT FINISHED SLOPES, AND THE TEMPORARY SLOPE PROTECTION DELETED. ANY VEGETATIVE MULCH APPLIED SHALL BE LIMITED TO A WHEAT MULCH ONLY.

(11) THIS INCLUDES THE REMOVAL OF 5915 S.Y. OF ASPHALT PAVEMENT PLACED UNDER THIS CONTRACT AS TEMPORARY PAVEMENT. SEE SUMMARY TABLE ON SHEET 7. THE DETOUR PAVEMENT IS NOT REPRESENTED IN THE GROUND LINE SHOWN IN THE CROSS SECTIONS.

(12) SAW CUTTING OF PAVEMENT WILL BE REQUIRED AS SHOWN IN THE PLANS, AT EACH END OF THE PROJECT. THESE AND ANY OTHER SAWING REQUIRED TO FACILITATE REMOVAL(S) SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN OTHER ITEMS. NO PAYMENT WILL BE MADE FOR SAWING OF PAVEMENT.

(13) ALL SECTION CORNERS WITHIN THE PROJECT SHALL BE RESET BY A REGISTERED LAND SURVEYOR AFTER ROADWAY WORK IS COMPLETED. COSTS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

(14) THIS ITEM IS TO INCLUDE THE SETTING AND RE-SETTING AS NECESSARY ALL RIGHT OF WAY, HORIZONTAL CONTROL AND BENCHMARKS IN ADDITION TO CONSTRUCTION STAKING.

(15) WATERING AS REQ'D. AND IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS SHALL BE WITH CLEAN WATER AND INCLUDED IN THE PRICE FOR SODDING.

(16) THIS ITEM INCLUDES REMOVAL OF EXISTING HIGHWAY PAVEMENT WHICH IS BELIEVED TO BE 8" ASPHALT FOR A TOTAL ESTIMATED VOLUME OF 435 C.Y. AND IS INCLUDED IN THE EARTHWORK VOLUME ESTIMATES. THIS INFORMATION IS PROVIDED FOR INFORMATION ONLY. PAYMENT FOR REMOVAL OF EXISTING PAVEMENT WILL BE MADE UNDER THIS PAY ITEM PER S.Y. REGARDLESS OF THICKNESS(ES) ENCOUNTERED UNLESS OTHERWISE PROVIDED FOR IN THESE PLANS.

(17) 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.

(18) VEGETATIVE MULCHING: THE VEGETATIVE MULCH SHALL BE ANCHORED IN ACCORDANCE WITH THE "MULCHING TILLER METHOD" AS SPECIFIED IN SEC. 233.04B(1) OF THE STANDARD SPECIFICATIONS.

(19) ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED CONDITION.

(20) PRICE BID PER L.F. OF PIPE SHALL INCLUDE COSTS FOR TRENCH EXCAVATION AND BEDDING MATERIAL IN ACCORDANCE WITH STANDARD DRAWINGS AND THE STANDARD SPECIFICATIONS.

(21) FABRIC TO BE RS380I OR APPROVED EQUAL.

(22) ESTIMATED AT 16D LBS. PER CU. FT.

(R-4) INCLUDES 100 CU. YARDS FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS EARTHWORK.

(R-5) AN ESTIMATED QUANTITY OF 3808 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-8) FOR SOLID SLAB SODDING, PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 4D GALLONS PER S.Y.

(R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 9.0 ACRES.

(R-16) QUANTITY BASED ON TWO APPLICATIONS.

(R-28) PRIME COAT SHALL BE APPLIED AT AN ESTIMATED RATE OF 0.35 GAL. PER S.Y. WHEN APPLIED TO SUBGRADE, AND 0.25 GAL. PER S.Y. 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 SQUARE YARD 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 10.0 C.Y. TO BE USED AS DIRECTED BY THE ENGINEER.

(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.

ENVIRONMENTAL MITIGATION NOTES

CLIFF SWALLOW NOTE:

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. SWALLOW USE OF THE BRIDGE NBI# 15689 AND CULVERT AT N33.4762, W-97.0003 INVOLVED IN THIS PROJECT HAS BEEN OBSERVED. IN ORDER TO AVOID IMPACTS TO SWALLOWS, WORK ON THESE STRUCTURES MUST BE COMPLETED BETWEEN SEPTEMBER 1 AND MARCH 31, WHEN NESTS ARE NOT OCCUPIED. IF WORK CANNOT BE COMPLETED BETWEEN SEPTEMBER 1 AND MARCH 31, THE BRIDGE NBI# 15689 AND CULVERT AT N33.4762, W-97.0003 MUST BE PROTECTED FROM NEW NEST ESTABLISHMENT PRIOR TO APRIL 1, BY MEANS THAT DO NOT RESULT IN DEATH OR INJURY TO THESE BIRDS. OPTIONS INCLUDE THE EXCLUSION OF ADULT BIRDS FROM SUITABLE NEST SITES ON OR WITHIN A STRUCTURE BY THE PLACEMENT OF NETTING PRIOR TO APRIL 1. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

J.P. 2894(04) 0100 ROADWAY			
PAY QUANTITIES ROADWAY			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
201(A)	0102 CLEARING AND GRUBBING	L.SUM	1
202(A)	0183 UNCLASSIFIED EXCAVATION	(1) C.Y.	32,348
202(D)	0184 UNCLASSIFIED BORROW	(2)(R-4) C.Y.	14,333
205(A)	4229 TYPE A - SALVAGED TOPSOIL	(3)(R-5) L.SUM	1
221(C)	2801 TEMPORARY SILT FENCE	(5)(6) L.F.	3547
221(G)	0152 TEMPORARY ROCK FILTER DAM TYPE 3	(5) C.Y.	51
221(G)	0153 TEMPORARY ROCK FILTER DAM TYPE 4	(5) C.Y.	12
221(K)	0600 TEMPORARY FIBER LOG	(5)(6) L.F.	688
230(A)	2806 SOLID SLAB SODDING	(4)(10)(15)(17)(R-8) S.Y.	27,415
233(A)	2817 VEGETATIVE MULCHING	(10)(18)(R-11) AC.	9
241	2832 MOWING	(R-16) AC.	16
303(A)	2100 AGGREGATE BASE TYPE A	C.Y.	484
307(A)	4200 FLY ASH	TON	375
307(K)	4300 STABILIZED SUBGRADE	S.Y.	6947
325	5271 SEPARATOR FABRIC	(21) S.Y.	2267
402(E)	0225 TRAFFIC BOUND SURFACE COURSE TYPE E	(22) TON	160
407(B)	0250 TACK COAT	(7) GAL.	3460
408	5774 PRIME COAT	(9)(R-28) GAL.	2705
411(B)	5940 SUPERPAVE, TYPE S3 (PG 70-28 OK)	(R-32) TON	184
411(B)	5945 SUPERPAVE, TYPE S3 (PG 64-22 OK)	(R-32) TON	2222
411(C)	5955 SUPERPAVE, TYPE S4 (PG 70-28 OK)	(R-32) TON	1694
411(C)	5960 SUPERPAVE, TYPE S4 (PG 64-22 OK)	(R-32) TON	2093
412	5267 COLD MILLING PAVEMENT	(R-34) S.Y.	12,889
509(A)	0319 CLASS AA CONCRETE	(8) C.Y.	23
509(D)	0325 CLASS C CONCRETE	(R-41) C.Y.	119
511(A)	0332 REINFORCING STEEL	LB.	3380
613(B)	5717 15" CORR. GALV. STEEL PIPE	(20)(R-46) L.F.	42
613(B)	0689 18" CORR. GALV. STEEL PIPE	(20) L.F.	71
613(B)	0692 36" CORR. GALV. STEEL PIPE	(20)(R-46) L.F.	50
613(B)	0696 60" CORR. GALV. STEEL PIPE	(20)(R-46) L.F.	263
619(A)	0920 REMOVAL OF STRUCTURES & OBSTRUCTIONS	(19)(R-48)(R-49) L.SUM	1
619(B)	4728 REMOVAL OF ASPHALT PAVEMENT	(11)(12)(16)(R-49)(R-50) S.Y.	7871
624(C)	7181 FENCE-STYLE SWF (6 BARB WIRE)	(R-52)(R-53) L.F.	403
629(E)	5D48 REMOVE AND RESET MAILBOX	EA.	1

J.P. 2894(04) 0600 STAKING			
PAY QUANTITIES STAKING			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
642(B)	0096 CONSTRUCTION STAKING LEVEL II	(13)(14) L.SUM	1

J.P. 2894(04) 0640 CONSTRUCTION			
PAY QUANTITIES CONSTRUCTION			
ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
220	2800 SWPPP DOCUMENTATION AND MANAGEMENT	L.SUM	1
641	1552 MOBILIZATION	L.SUM	1
640(A)	1398 FIELD OFFICE	EA.	1

DESIGN			SUMMARY OF PAY QUANTITIES (ROADWAY) JOB PIECE NO. 2894(04) SHEET NO. 3
DRAWN			
CHECKED			
APPROVED			
SQUAD	G/K ENGR.		