

GENERAL CONSTRUCTION NOTES

TRAFFIC CONTROL

MAINTENANCE OF THROUGH TRAFFIC INCLUDES THE MAINTENANCE OF THE SECTION LINE ROADS IN CLOSE PROXIMITY TO THE NEW CONSTRUCTION AS SHOWN ON THE PLANS.

GRADING AND SITE WORK

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 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 SOURCE 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.

EROSION CONTROL CONSTRUCTION NOTES

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

FINAL CLEAN UP

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 500 CU. YDS. FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS EARTHWORK.

(R-5) AN ESTIMATED QUANTITY OF 5554 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 TYPE A SALVAGED TOPSOIL PRICE BID TO INCLUDE COST OF 18-46-0 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 1000 SQUARE YARDS.

(R-8) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER SQ. YD. OF SODDING AND/OR SPRIGGING.

(R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 5.23 ACRES.

(R-16) QUANTITY BASED ON TWO APPLICATIONS.

(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-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 PAVEMENT UNDER SECTION 202.06 UNCLASSIFIED EXCAVATION.

GENERAL PLAN NOTES

- (1) COST TO INCLUDE REMOVAL OF SEDIMENT. SEDIMENT TO BE REMOVED WHEN DEVICE IS HALF FULL OR AS DIRECTED BY THE ENGINEER.
- (2) ALL BORROW USED SHALL HAVE A SULFATE CONTENT LIMITED TO 1000 PPM.
- (3) COST OF HANDRAIL TO BE INCLUDED IN PRICE BID OF INLET.
- (4) THE TIME PERIOD OF 1 TO 4 DAYS, OR AS DIRECTED BY THE ENGINEER, SHALL BE REQUIRED FOR MELLOWING OF SOILS TREATED WITH CHEMICALS IN ORDER TO REDUCE THE POSSIBILITY OF SULFATE INDUCED HEAVE IN SUBGRADE. SUBGRADE STABILIZATION SHOULD BE CONDUCTED USING A MIXING MOISTURE CONTENT OF AT LEAST 2% ABOVE OPTIMUM.
- (5) THE 5.23 ACRES OF TEMPORARY EROSION AND SEDIMENT CONTROL INCLUDES 3.94 ACRES OF VEGETATIVE MULCH AND 1.29 ACRES OF SUBGRADE BEING PRIMED IN PERMANENT PAVING AREAS.
- (6) ANY COLD MILLINGS GENERATED IN THE REMOVAL OF ASPHALT WILL BECOME THE PROPERTY OF ODOT AND COULD BE HAULED UP TO 8 MILES. ALL COSTS TO ACCOMPLISH THIS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

ENVIRONMENTAL MITIGATION NOTES

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. SWALLOW USE OF BRIDGE NBI NO. 12472 (ELK CREEK) AND 12462 (OVERFLOW) HAS BEEN OBSERVED DURING THE INITIAL SURVEYS CONDUCTED AS PART OF THE BIOLOGICAL STUDIES IN 2015. ANY ACTIVITIES WHICH WOULD DESTROY ACTIVE NESTS OR HARM EGGS OR BIRDS WOULD VIOLATE THE MIGRATORY BIRD TREATY ACT. THE RESIDENT ENGINEER WILL EVALUATE THE CONTRACTOR'S PROPOSED WORK METHODS AND CONCLUDE WHETHER THE PROPOSED WORK WOULD HARM THE NESTING BIRDS BEFORE WORK NEAR THE STRUCTURE IS AUTHORIZED. IF THE PROPOSED WORK WILL HARM THE 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.

BALD EAGLE
A BALD EAGLE SURVEY WAS COMPLETED FOR THIS PROJECT IN MARCH 2016. NO NESTS WERE OBSERVED WITHIN THE EXPECTED IMPACT AREA. SURVEY RESULTS ARE VALID ONLY IN THE NESTING SEASON (DECEMBER 1st THROUGH MAY 31st) IN WHICH THE SURVEY WAS PERFORMED. IF CONSTRUCTION ACTIVITIES ARE NOT COMPLETED BY DECEMBER 1st 2016 THE RESIDENT ENGINEER SHALL CONTACT THE ODOT BIOLOGIST AT 405-521-2515. THE ODOT BIOLOGIST SHALL SCHEDULE ANY ADDITIONAL SURVEY THAT WILL BE REQUIRED.

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

T8N R19W:
SECTION 27: SE 1/4 SW 1/4 SE 1/4
SECTION 34: S 1/2 NE 1/4 NE 1/4
N 1/2 SE 1/4 NE 1/4

JP 28999(04) 100 ROADWAY				
SUMMARY OF PAY QUANTITIES - ROADWAY				
ITEM NUMBER	CODE NUMBER	DESCRIPTION	UNIT	QUANTITY
201(A)	0102	CLEARING AND GRUBBING	LSUM	1
202(A)	0183	UNCLASSIFIED EXCAVATION (R-1)	CY	11,116
202(D)	0184	UNCLASSIFIED BORROW (2, 4)(R-1, R-4)	CY	500
205(A)	4229	TYPE A-SALVAGED TOPSOIL (R-5, R-7)	LSUM	1
221(C)	2801	TEMPORARY SILT FENCE (1)	LF	1,036
221(D)	2803	TEMPORARY SEDIMENT FILTER (1)	EA	1
221(F)	0100	TEMPORARY SILT DIKE (1)	LF	42
229	4318	DITCH LINER PROTECTION	LF	658
230(A)	2806	SOLID SLAB SODDING (R-7, R-8)	SY	16,762
233(A)	2817	VEGETATIVE MULCHING (5)(R-11)	AC	4
241	2832	MOWING (R-16)	AC	12
307(K)	4300	STABILIZED SUBGRADE (4)	SY	5,343
407(B)	0250	TACK COAT	GAL	2,139
408	5774	PRIME COAT (R-28)	GAL	2,192
411(B)	5945	SUPERPAVE, TYPE S3 (PG 64-22 OK) (R-32)	TON	2,538
411(C)	5960	SUPERPAVE, TYPE S4 (PG 64-22 OK) (R-32)	TON	624
501(A)	0313	STRUCTURAL EXCAVATION UNCLASSIFIED (R-1)	CY	240
509(A)	0319	CLASS AA CONCRETE (R-1)	CY	172
509(D)	0325	CLASS C CONCRETE	CY	114
511(A)	0332	REINFORCING STEEL (R-1)	LBS	28,372
611(G)	5711	INLET CDI RCP DES. 8 (3)	EA	1
611(H)	5796	ADD'L DEPTH IN INLET CDI RCP DES. 8	VF	6
613(A)	0494	36" R.C. PIPE CLASS III	LF	112
613(V)	1180	TRENCH EXCAVATION	CY	276
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS (R-48, R-49)	LSUM	1
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT (6)(R-50)	SY	4,021
619(C)	0924	SAWING PAVEMENT	LF	58
623(A)	0932	BEAM GUARDRAIL W-BEAM SINGLE	LF	325
623(G)	8590	GUARDRAIL END TREATMENT (31")	EA	4
623(I)	8700	GUARDRAIL BRIDGE CONN-THRIE BEAM (31")	EA	4
853	9069	GUARDRAIL DELINEATOR(TYPE 2, CODE 1)	EA	14

JP 28999(04) 600 STAKING				
SUMMARY OF PAY QUANTITIES - STAKING				
ITEM NUMBER	CODE NUMBER	DESCRIPTION	UNIT	QUANTITY
642(B)	0096	CONSTRUCTION STAKING LEVEL II	LSUM	1

JP 28999(04) 640 CONSTRUCTION				
SUMMARY OF PAY QUANTITIES - CONSTRUCTION				
ITEM NUMBER	CODE NUMBER	DESCRIPTION	UNIT	QUANTITY
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1
641	1552	MOBILIZATION	LSUM	1

MANDATORY TIE

THE COST OF PAY ITEMS: MOBILIZATION AND CONSTRUCTION STAKING FOR JP 28774(04), WASHITA COUNTY, SHALL BE INCLUDED IN THE PRICE BID FOR MOBILIZATION AND CONSTRUCTION STAKING IN JP 28999(04) KIOWA COUNTY.

SUMMARY OF PAY QUANTITIES & GENERAL NOTES (ROADWAY)

R: 113547 | 113547D | Drawings | Pay Quantities and Notes | Dustin Heidrich | 6-06-16 | 08:57am

KIOWA COUNTY SH. 44