

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.

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.

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.

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

THE ENGINEER SHALL CHECK GRADES AT RAMP TERMINALS, AND MAKE ANY ADJUSTMENTS OF THE GRADES AND SUPERELEVATIONS, WHICH ARE REQUIRED TO OBTAIN SMOOTH PROFILES FOR BOTH EDGES OF THE RAMP PAVEMENT. CROSS SLOPE BREAKOVER SHALL NOT EXCEED 5%(FIVE PERCENT).

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

EXCESS MATERIAL 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.

ALL WORK AND/OR MATERIALS NOT CLASSIFIED AS A "CONTRACT PAY ITEM" SHALL BE CONSIDERED INCIDENTAL AND THE COST THEREOF SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS WHICH ARE CLASSIFIED FOR PAYMENT.

(CAUTION) THE LOCATION OF ALL UTILITIES AS SHOWN ARE APPROXIMATE. DUE TO RELOCATIONS PLANNED OR PRESENTLY UNDER CONSTRUCTION THERE ARE SOME UTILITIES THAT WILL BE RELOCATED AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ALL UTILITIES.

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

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INFLICTED TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF THEIR DIGGING, TRENCHING, BORING, ETC..

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-5) AN ESTIMATED QUANTITY OF 4.110 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.

(R-9) ESTIMATED AT 40 GALLONS PER SQ. YD. OF SODDING AND/OR SPRIGGING.

(R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 6.11 ACRES.

(R-13) ESTIMATED AT 200 POUNDS OF 10-20-10 FERTILIZER PER 1,000 SQ. YDS. OF SODDING AND/OR SPRIGGING.

(R-16) QUANTITY BASED ON TWO APPLICATIONS.

(R-25) ESTIMATED AT 120 LBS. PER CU. FT.

(R-41) QUANTITY INCLUDES AN ESTIMATED 100 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.

- (1) PRICE BID FOR CLEARING AND GRUBBING SHALL INCLUDE THE REMOVAL OF TREES, VEGETATIVE DEBRIS, AND ANY OTHER ORGANIC ITEMS NOT SPECIFICALLY PAID FOR AS REMOVAL ITEMS.
- (2) REMOVAL OF ACCUMULATED SEDIMENT SHALL BE INCLUDED IN THE PRICE BID FOR THIS PAY ITEM, AND WILL NOT BE MEASURED SEPARATELY FOR PAYMENT. REMOVE SILT WHEN 50% FULL OR AS DIRECTED BY THE ENGINEER.
- (3) PRICE BID SHALL ALSO INCLUDE, BUT IS NOT LIMITED TO, THE REMOVAL OF CONCRETE FLUMES, STRUCTURES, STORM SEWERS, PIPELINES, CONC. CURB & GUTTER, PAVEMENT MARKINGS, FENCING, FOOTINGS, POLES, GROUND MOUNTED SIGN STRUCTURES AND SHEET METAL SIGNS TO BE PERMANENTLY REMOVED AND ANY OTHER NON-ORGANIC ITEM NOT SPECIFICALLY VERIFIED AS TO THE EXISTING CONDITION AND POSSIBLE NON-STANDARD REMOVAL OPERATIONS THAT MAY BE REQUIRED.
- (4) TO BECOME THE PROPERTY OF THE STATE AND STOCK PILED IN THE RIGHT-OF-WAY TO BE MOVED BY STATE FORCES. AMOUNT SHOWN IS AN ESTIMATED QUANTITY OF REMOVAL AND FINAL QUANTITY SHALL BE DETERMINED BY THE ENGINEER.
- (5) ESTIMATED AT 160 LBS. PER CU. FT.
- (6) PRICE BID FOR THIS ITEM SHALL INCLUDE THE COST OF TRENCHING, BEDDING/COVER MATERIAL, NON-PERFORATED PIPE AND ALL OTHER MATERIALS NECESSARY TO EXTEND EXISTING PUD SYSTEMS.
- (7) STABILIZED SUBGRADE SHALL INCLUDE THE COST OF CHEMICAL ADDITIVE TO ACHIEVE THE RATE SPECIFIED FOR THE APPROPRIATE SOIL CLASSIFICATION AS SPECIFIED IN THE MOST CURRENT ODOT MATERIALS DIVISION OHD L-50.
- (8) TO BE USED AT THE DISCRETION OF THE ENGINEER TO FILL ANY VOIDS ENCOUNTERED DURING SLOPEWALL CONSTRUCTION.
- (9) CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS FROM EXISTING DRAINAGE STRUCTURES AND SHALL FIELD VERIFY FLOW LINES PRIOR TO CONSTRUCTING STRUCTURE EXTENSIONS.
- (10) ESTIMATED QUANTITY ONLY TO BE USED AS DIRECTED BY THE ENGINEER.
- (11) INCLUDES 63 C.Y. TO BE USED FOR CONCRETE PAVEMENT PATCHING.
- (12) THE CONTRACTOR SHALL USE GUARDRAIL END TREATMENT LISTED AND APPROVED ON THE TRAFFIC QUALIFIED PRODUCT LIST. SEE <http://www.okladot.state.ok.us/traffic/qpl/>
- (13) QUANTITY INCLUDES 50 CY TO BE USED AS DIRECTED BY THE ENGINEER.
- (14) DURING SAWING OPERATIONS THE CONTRACTOR SHALL ENSURE THAT THE PROPOSED TRANSVERSE JOINTS MATCH THE EXISTING TRANSVERSE JOINTS WHERE POSSIBLE.

ENVIRONMENTAL MITIGATION NOTES

MIGRATORY BIRD NOTE:

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 BIRD SPECIES EXTENDS FROM MARCH 1 TO AUGUST 31. THE PROJECT WAS SURVEYED FOR MIGRATORY BIRD NESTS IN SEPTEMBER 2017. ALTHOUGH NO NESTS WERE OBSERVED, THE SURVEY IS VALID ONLY UNTIL THE START OF THE 2018 NESTING SEASON (BEGINNING MARCH 1). 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 RETROFIT OR DEMOLITION OF THE EXISTING CULVERT SHALL BE CONDUCTED BETWEEN SEPTEMBER 1, AND FEBRUARY 28, WHEN MIGRATORY BIRD NESTS ARE NOT OCCUPIED. THE CULVERT MAY BE PROTECTED FROM NEW NEST ESTABLISHMENT PRIOR TO MARCH 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 MARCH 1. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

PAY QUANTITIES

0100 ROADWAY				30444(06)
ITEM NO.		DESCRIPTION	UNIT	QUANTITY
201(A)	0102	CLEARING AND GRUBBING	(1) LSUM	1
202(A)	0183	UNCLASSIFIED EXCAVATION	(R-1) CY	10,998
202(D)	0184	UNCLASSIFIED BORROW	(R-1) CY	12,554
205(A)	4229	TYPE A-SALVAGED TOPSOIL	(R-5)(R-7) LSUM	1
221(C)	2801	TEMPORARY SILT FENCE	(2) LF	9,272
221(F)	0100	TEMPORARY SILT DIKE	(2) LF	150
221(H)	0450	(PL) TEMPORARY INLET SEDIMENT FILTER	(2) EA	6
229	4318	DITCH LINER PROTECTION	LF	1,070
230(A)	2806	SOLID SLAB SODDING	SY	29,580
230(F)	2812	WATERING	(R-9) KGAL	2,367
233(A)	2817	VEGETATIVE MULCHING	(R-11) AC	7
234(A)	2824	FERTILIZING (10-20-10)	(R-13) TON	3
241	2832	MOWING	(R-16) AC.	14
303(A)	2100	AGGREGATE BASE TYPE A	CY	3,069
307(K)	4300	STABILIZED SUBGRADE	(7) SY	21,653
317	4270	CEMENT TREATED BASE	SY	18,331
325	5271	SEPARATOR FABRIC	SY	16,581
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	(R-25) TON	2,042
414(A)	0210	P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	5,415
414(B)	5725	DOWEL JOINTED P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	10,768
414(E)	0225	FULL DEPTH P.C. CONCRETE PATCHING (PLACEMENT ONLY)	(10) SY	250
414(G)	5275	P.C. CONCRETE FOR PAVEMENT	(11)(14) CY	4,855
501(C)	6309	CLSM BACKFILL	(8) CY	25
504(E)	1381	CONCRETE PARAPET	LF	18
504(E)	6190	42" F-SHAPED PARAPET	LF	1,179
509(B)	0321	CLASS A CONCRETE	(13) CY	189
509(D)	0325	CLASS C CONCRETE	(R-41) CY	182
510(C)	6135	SLOPE WALL (5")	SY	1,472
511(A)	0332	REINFORCING STEEL	LB	28,130
601(B)	0536	TYPE I-A PLAIN RIPRAP	(5) TON	4,605
601(C)	0538	TYPE I-A FILTER BLANKET	TON	864
610(C)	0609	6" CONCRETE DIVIDING STRIP	SY	900
613(A)	0492	24" R.C. PIPE CLASS III	(9) LF	24
613(A)	0494	36" R.C. PIPE CLASS III	(9) LF	16
613(L)	5730	24" PREFAB. CULVERT END SECTION, ROUND	(9) EA	1
613(L)	5734	36" PREFAB. CULVERT END SECTION, ROUND	(9) EA	2
613(Q)	5946	OUTLET LATERAL HEADWALL	(6) EA	11
613(S)	1186	STANDARD BEDDING MATERIAL, CLASS B	CY	20
613(V)	1180	TRENCH EXCAVATION	CY	33
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(3)(R-48)(R-49) LSUM	1
619(B)	0291	REMOVAL OF HEADWALL	(R-49) EA	14
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT	(R-49)(R-50) SY	5,796
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	(R-49)(R-50) SY	272
619(B)	4780	REMOVAL OF GUARDRAIL	(4)(R-49) LF	250
619(B)	4821	REMOVAL OF CONCRETE SLOPE PROTECTION	(R-49)(R-50) SY	935
619(B)	5881	REMOVAL OF CONCRETE DITCH LINER	(R-49) LF	170
619(B)	6132	REMOVAL OF 6" CONCRETE DIVIDING STRIP	(R-49)(R-50) SY	1,027
619(B)	6252	REMOVAL OF EXISTING PARAPET	(R-49)(R-50) LF	18
619(C)	0924	SAWING PAVEMENT	LF	15,235
623(A)	0932	BEAM GUARDRAIL W-BEAM SINGLE	LF	125
623(G)	8571	GUARDRAIL END TREATMENT (GET)	(12) EA	1
623(I)	8700	GUARDRAIL BRIDGE CONN-THRIE BEAM (31")	EA	1
627(A)	4317	CONCRETE LONGITUDINAL BARRIER, DESIGN 1	LF	1,150
853	9066	GUARDRAIL DELINEATORS (TYPE 1, CODE 1)	EA	4

PAY QUANTITIES

0600 STAKING				30444(06)
ITEM NO.		DESCRIPTION	UNIT	QUANTITY
642(B)	0096	CONSTRUCTION STAKING LEVEL II	LSUM	1

PAY QUANTITIES

0640 CONSTRUCTION				30444(06)
ITEM NO.		DESCRIPTION	UNIT	QUANTITY
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1
641	1552	MOBILIZATION	LSUM	1

POE & ASSOCIATES, OKLAHOMA CITY, OK.						
FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	
6	OKLA.					
DESCRIPTION			REVISIONS		DATE	
ADDED NOTE					10-2-17	
CHANGED ITEM NO.					10-17-17	

DESIGN	
DRAWN	
CHECKED	
APPROVED	
SQUAD	POE

SUMMARY OF PAY QUANTITIES & NOTES (ROADWAY)

STATE JOB NO. 30444(06) SHEET NO. 8

OKLAHOMA COUNTY

\$DATE\$ \$TIME\$ \$PROJECT\$ 20307B 0001 EC-161\Roadway\Drawings\30444(06)_Pay Quantities & Notes.dgn