

GENERAL CONSTRUCTION NOTES

EXISTING ROAD WILL BE TEMPORARILY CLOSED TO THROUGH TRAFFIC, THE CONTRACTOR SHALL MAINTAIN ACCESS FOR LOCAL LANDOWNERS. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVES AND FIELD ENTRANCES DURING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION SIGNS, BARRICADES, LIGHTS, ETC. IN ACCORDANCE WITH THE STANDARDS SET FORTH IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION, AND AS SHOWN ON TCS STANDARD DRAWINGS. ALL COST TO BE INCLUDED IN PRICE BID FOR "CONSTRUCTION TRAFFIC CONTROL".

THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PHASING AND TRAFFIC MANAGEMENT PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE CONSTRUCTION OPERATIONS BEGIN. THE TRAFFIC MANAGEMENT PLAN SHALL CONFORM TO ALL APPLICABLE STATE STANDARDS AND MUTCD GUIDELINES (LATEST REVISIONS).

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, BACKFILLS AND DRIVES ARE COMPLETED. 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.

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.

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.

AREAS ON WHICH SALVAGED TOPSOIL IS TO BE REPLACED SHALL HAVE 18-46-0 FERTILIZER, OR APPROVED EQUIVALENT, APPLIED AT THE RATE OF 150 POUNDS PER ACRE, JUST PRIOR TO THE REPLACEMENT OF SALVAGED TOPSOIL.

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 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.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE HE MAY INFLICT TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF HIS DIGGING, TRENCHING, BORING, ETC.... PRIOR TO DIGGING NEAR THE UTILITIES, THE CONTRACTOR SHALL CALL FOR A LIST OF ALL UNDERGROUND FACILITIES REGISTERED IN THE AREA OF CONSTRUCTION LISTED WITH THE FOLLOWING AGENCIES:

THE "OKIE" NOTIFICATION CENTER 811 OR 1-800-522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE.

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

THE CONTRACTOR SHALL NOTIFY THE COUNTY AND ODOT 14 CALENDAR DAYS PRIOR TO BEGINNING OF CONSTRUCTION ACTIVITIES.

THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY RIGHT-OF-WAY FENCE AS REQUIRED. WHEN THE PORTION OF THE PROJECT THAT REQUIRED 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.

ENVIRONMENTAL NOTES: 

AMERICAN BURYING BEETLE

THE AMERICAN BURYING BEETLE IS A LARGE CARRION BURYING BEETLE THAT OCCURS WITHIN THE ACTION AREA. NO ARTIFICIAL LIGHTING SHALL BE USED DURING CONSTRUCTION. CARCASSES AND ALL FOOD TRASH SHALL BE REMOVED FROM THE PERMANENT AND TEMPORARY RIGHT OF WAY THROUGHOUT PROJECT ACTIVITIES. FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE PLACED ON TOP OF ALL AREAS OF GROUND DISTURBANCE, PRIOR TO RE-VEGETATION.

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 2015. ALTHOUGH NO NESTS WERE OBSERVED, THE SURVEY IS VALID ONLY UNTIL THE 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 FEBRUARY 28, WHEN MIGRATORY BIRD NESTS ARE NOT OCCUPIED. THE BRIDGE 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.

ROADWAY PAY QUANTITY NOTES

(R-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITIES ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.

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

(R-7) FOR 205(A) TYPE A-SALVAGED TOPSOIL PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE.

FOR 230(A) SOLID SLAB SOD PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER 1000 S.Y.

(R-8) FOR 230(A) SOLID SLAB SOD PRICE BID TO INCLUDE THE COST OF WATERING, ESTIMATED AT 80 GALLONS PER S.Y.

(R-11) THE QUANTITY ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 11.01 ACRES.

(R-30) PRICE BID TO INCLUDE COST OF 1,273 GALLONS OF TACK COAT, MEETING THE REQUIREMENTS OF SECTION 407 OF THE STANDARD SPECIFICATIONS

(R-31) PRICE BID TO INCLUDE COST OF 2,406 GALLONS OF PRIME COAT, MEETING THE REQUIREMENTS OF SECTION 408 OF THE STANDARD SPECIFICATIONS, AND ESTIMATED AT 0.35 GAL. PER SQ. YD. ON TOP OF COMPLETED SUBGRADE, AND 0.25 GAL. PER SQ. YD. ON TOP OF 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-41) QUANTITY INCLUDES AN ESTIMATED 10 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-52) INCLUDES 2% FOR GROUND MEASUREMENT.

1) COST TO INCLUDE TEMPORARY SEDIMENT REMOVAL. REMOVE SEDIMENT WHEN 50% FULL.

2) ESTIMATED AT 140 LBS PER CU.FT.

3) GATE SHALL BE 16' LONG TUBE GATE (PAINTED) WITH 2" STEEL TUBES SPREAD EVENLY TO PROVIDE 6 RAILS. PRICE BID TO INCLUDE HINGES, LATCHES, AND ALL OTHER HARDWARE NECESSARY FOR INSTALLATION.

4) RECON RETAINING WALL SYSTEMS (SP-1) OR APPROVED EQUAL.

5) RETAINING WALLS DEPICTED IN THESE PLANS ARE PRELIMINARY AND NOT FOR CONSTRUCTION. RETAINING WALL DESIGN SHALL BE PROVIDED BY A REGISTERED ENGINEER (STATE OF OKLAHOMA), COST TO BE INCLUDED IN THIS ITEM.

TRAFFIC SIGNING PAY QUANTITY NOTES

(TS-24) QUANTITY SHOWN INCLUDES 6,241 L.F. TRAFFIC STRIPE (MULTI-POLYMER)(WHITE) AND 6,241 L.F. TRAFFIC STRIPE (MULTI-POLYMER)(YELLOW) AND WILL BE MEASURED BY THE LINEAR FOOT OF FOUR INCH (4") WIDE TRAFFIC STRIPE.

ENVIRONMENTAL NOTES CONT'D: 

CULTURAL RESOURCES NOTE

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.

T16N R8E
SECTION 31: SW ¼ SW ¼ SW ¼

T15N R8E
SECTION 6: NW ¼ NW ¼ NW ¼

RESPONSIBILITY OF COUNTY:

ACQUIRING RIGHT-OF-WAY.
REMOVAL AND RELOCATION OF UTILITIES.
DETOUR SIGNING OUTSIDE THE LIMITS OF CONSTRUCTION.

DESCRIPTION	REVISIONS	DATE
UPDATED NOTES		10/17/17

29407(04)					
PAY QUANTITIES					
0100 ROADWAY ITEMS					
ITEM		DESCRIPTION	PAY NOTES	UNIT	QUANTITY
201(A)	0102	CLEARING AND GRUBBING		L. SUM	1
202(A)	0183	UNCLASSIFIED EXCAVATION	R-1	C.Y.	15,682
202(D)	0184	UNCLASSIFIED BORROW	R-1,R-4	C.Y.	2,671
205(A)	4229	TYPE A - SALVAGED TOPSOIL	R-7	L. SUM	1
210	0121	OBLITERATING ABANDONED ROAD		L.F.	1,427
221(C)	2801	TEMPORARY SILT FENCE	1	L.F.	5,506
221(F)	0100	TEMPORARY SILT DIKE	1	L.F.	490
230(A)	2806	SOLID SLAB SODDING	R-7,R-8	S.Y.	38,966
233(A)	2817	VEGETATIVE MULCHING	R-11	AC.	11.01
303(A)	2100	AGGREGATE BASE TYPE A		C.Y.	1,493
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	2	TON	510
411(B)	5945	SUPERPAVE, TYPE S3 (PG 64-22 OK)	R-30,R-31,R-32	TON	2,084
411(C)	5960	SUPERPAVE, TYPE S4 (PG 64-22 OK)	R-30,R-31,R-32	TON	1,010
509(D)	0325	CLASS C CONCRETE	R-41	C.Y.	10
510(A)	6333	RETAINING WALL	4,5	S.Y.	143
601(B)	0536	TYPE I-A PLAIN RIPRAP		TON	96
601(C)	0538	TYPE I-A FILTER BLANKET		TON	48
611(G)	5338	INLET GPI TYPE 2 (DES. 12)		EA.	1
613(A)	0491	18" R.C. PIPE CLASS III		L.F.	93
613(A)	0492	24" R.C. PIPE CLASS III		L.F.	60
613(A)	0493	30" R.C. PIPE CLASS III		L.F.	71
613(B)	0690	24" CORR. GALV. STEEL PIPE		L.F.	152
613(L)	5730	24" PREFAB. CULVERT END SECTION, ROUND		EA.	2
613(L)	5732	30" PREFAB. CULVERT END SECTION, ROUND		EA.	2
613(M)	7186	TYPE A4 CULVERT END TREATMENT		EA.	1
613(M)	7187	TYPE B4 CULVERT END TREATMENT		EA.	4
613(T)	1187	STANDARD BEDDING MATERIAL, CLASS C		C.Y.	62
613(V)	1180	TRENCH EXCAVATION		C.Y.	140
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	R-48,R-49	L. SUM	1
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	R-49	S.Y.	38,506
624(C)	4459	FENCE-STYLE SWF (5 BARBED WIRE)	R-52	L.F.	1,139

29407(04)					
PAY QUANTITIES					
0300 TRAFFIC ITEMS					
ITEM		DESCRIPTION	PAY NOTES	UNIT	QUANTITY
623(A)	0932	BEAM GUARDRAIL W-BEAM SINGLE		L.F.	75
623(G)	8571	GUARDRAIL END TREATMENT (GET)		EA.	4
850(A)	8110	SHEET ALUMINUM SIGNS		S.F.	16
851(C)	8324	2" SQUARE TUBE POST		L.F.	30
856(A)	8530	TRAFFIC STRIPE (MULTI-POLYMER) (4" WIDE)	TS-24	L.F.	12,482
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL		L. SUM	1

SUGGESTED CONSTRUCTION SEQUENCE

PHASE I:

1. MAINTAIN TRAFFIC ON EXISTING ROADWAYS (BRIDGE).
2. CONSTRUCT S. 465TH W. AVE. AND PROP. BRIDGE, FROM STA. 54+50 TO STA. 65.00.

PHASE II:

1. CLOSE W. 241ST ST. SOUTH TO THROUGH TRAFFIC AT STA. 103+50.
2. CONSTRUCT W. 241ST ST. SOUTH, INTERSECTION WITH S. 465TH W. AVE., S. 465TH W. AVE. TO END OF PROJECT. (STA. 66+20 TO END OF PROJECT TO BE CONSTRUCTED UNDER TRAFFIC).

PHASE III:

1. OPEN W. 241ST ST. SOUTH AND S. 465TH W. AVE. TO TRAFFIC (PHASE II CONSTRUCTION ONLY). PHASE I CONSTRUCTION AND EXISTING ROAD (BRIDGE) SHALL BE CLOSED TO TRAFFIC.
2. COMPLETE CONSTRUCTION OF S. 465TH W. AVE., FROM BEGINNING OF PROJECT TO STA. 54+50.00
3. REMOVE EXISTING ROADWAY AND BRIDGE.
4. OPEN S. 465TH W. AVE. TO TRAFFIC.

DESIGN	BSF	07/17	OKLAHOMA DEPARTMENT OF TRANSPORTATION GUY ENGINEERING SERVICES, INC.
DRAWN	BLP	07/17	
CHECKED	PAE	07/17	
APPROVED	JRW	07/17	
SQUAD			
SUMMARY OF PAY QUANTITIES & NOTES (ROADWAY)			
STATE JOB NO. 29407(04) SHEET NO. AR01			