

PAY QUANTITY NOTES

- (R-4) INCLUDES 500 CU. YDS. FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS EARTHWORK.
- (R-5) AN ESTIMATED QUANTITY OF 16552.44 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 SOLID SLAB SODDING PRICE BID TO INCLUDE COST 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER 1,000 SY. FOR TYPE A SALVAGE TOPSOIL PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER 1000 S.Y.
- (R-8) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 60 GALLONS PER S.Y.
- (R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 19 ACRES.
- (R-16) QUANTITY BASED ON TWO APPLICATIONS.
- (R-25) ESTIMATED AT 160 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-41) QUANTITY INCLUDES AN ESTIMATED 15 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.
- (1) THE COST OF PIPE UNDERDRAIN COVER MATERIAL AND TRENCH EXCAVATION TO BE INCLUDED IN OTHER ITEMS OF WORK.
- (2) VEGATIVE MULCH SHALL BE WHEAT HAY ONLY AND THE QUANTITY CALCULATED IS FOR EROSION CONTROL FOR APPROXIMATELY 4 ACRES OF TEMPORARY ASPHALT WIDENING SLOPES, AND 15 ACRES USED AS REQUIRED TO PROTECT PERMANENT SLOPES DURING CONSTRUCTION.
- (3) ASPHALT TO BE COLD MILLED AND MILLINGS TO BECOME PROPERTY OF THE STATE. LOCATION TO BE WITHIN 8 MILES OF SITE AND SPECIFIED BY ENGINEER.
- (4) ALL REMOVED GUARDRAIL AND ACCESSORIES TO BE STOCKPILED AND BECOME PROPERTY OF HARMON COUNTY.
- (5) PRICE BID TO INCLUDE COST OF TRENCH EXCAVATION AND CLASS C BEDDING MATERIAL.
- (6) USE OF AASHTO CLASS A3 SOILS ARE RESTRICTED IN BRIDGE HEADERS.

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.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING SECTION LINE ROADS TO LOCAL AND THROUGH TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

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.

GENERAL CONSTRUCTION NOTES CONTINUED

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 FOR 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.

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.

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 SEED, SODDED, OR SPRIGGED.

PIPE UNDERDRAIN QUANTITIES ESTIMATED ONLY. LOCATION, IF AND WHERE REQUIRED, TO BE DETERMINED BY THE ENGINEER.

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 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.

THE CONTRACTOR SHALL MAINTAIN THE EXISTING ROADWAY, WHILE IT IS STILL IN SERVICE TO THE TRAVELING PUBLIC, AT THE DISCRETION OF THE RESIDENT ENGINEER. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

GEOTECHNICAL SUBSURFACE INVESTIGATION REPORTS ARE AVAILABLE FOR REVIEW AT THE OFFICE OF TRIAD DESIGN GROUP. CONTRACTOR TO REFER TO THESE REPORTS FOR RECOMMENDED EARTHWORK OPERATIONS.

ENVIRONMENTAL MITIGATION NOTES

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 MIGRATORY BIRD SPECIES EXTENDS FROM APRIL 1 TO AUGUST 31. MIGRATORY BIRD NESTING USE OF THE BRIDGE NBI NO. 07348 INVOLVED WITH THIS PROJECT WAS OBSERVED. 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. IF PAINTING, REPAIR, RETROFIT, REHABILITATION OR DEMOLITION CANNOT BE COMPLETED BETWEEN SEPTEMBER 1 AND MARCH 31, THE BRIDGE SHALL 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 WITH 0.25-INCH OR SMALLER OPENINGS, PRIOR TO APRIL 1. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

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

- T4N R26W
 - SECTION 2: NE ¼ NE ¼ SW ¼
NW ¼ NW ¼ SE ¼
SW ¼ SW ¼ SW ¼
 - SECTION 3: N ½ N ½ NE ¼
SE ¼ SE ¼ SE ¼
 - SECTION 10: SW ¼ NW ¼ SW ¼
W ½ SW ¼ SW ¼
E ½ N ½ NW ¼
SE ¼ NW ¼
- T5N R26W
 - SECTION 35: S ½ SE ¼ SW ¼
SE ¼ SW ¼ SW ¼

PAY QUANTITIES - ROADWAY				
ROADWAY 100				
ITEM	PES NO.	DESCRIPTION	UNIT	QUANTITY
201(A)	0102	CLEARING AND GRUBBING	LSUM	1.0
202(A)	0183	UNCLASSIFIED EXCAVATION	(6) CY	58,631.0
202(D)	0184	UNCLASSIFIED BORROW	(6),(R-4) CY	37,242.0
205(A)	4229	TYPE A-SALVAGED TOPSOIL	(R-5,7) LSUM	1.0
221(C)	2801	TEMPORARY SILT FENCE	LF	4,025.0
221(F)	0100	TEMPORARY SILT DIKE	LF	924.0
230(A)	2806	SOLID SLAB SODDING	(R-7,8) SY	119,169.0
233(A)	2817	VEGETATIVE MULCHING	(2),(R-11) AC	19.0
241	2832	MOWING	(R-16) AC	50.0
310(B)	0149	SUBGRADE, METHOD B	SY	35,874.0
402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	(R-25) TON	339.0
407(B)	0250	TACK COAT	GAL	7,819.0
408	5774	PRIME COAT	(R-28) GAL	12,987.0
411(B)	5945	SUPERPAVE, TYPE S3 (PG 64-22 OK)	(R-32) TON	10,703.0
411(C)	5960	SUPERPAVE, TYPE S4 (PG 64-22 OK)	(R-32) TON	3,794.0
413(B)	4863	RUMBLE STRIP-METHOD HMA-CYC	LF	7,718.0
509(D)	0325	CLASS C CONCRETE	(R-41) CY	15.0
601(B)	0536	TYPE I-A PLAIN RIPRAP	TON	25.0
601(C)	0538	TYPE I-A FILTER BLANKET	TON	8.0
613(A)	0492	24" R.C.PIPE CLASS III	LF	90.0
613(A)	0493	30" R.C.PIPE CLASS III	(5) LF	176.0
613(B)	0689	18" CORR. GALV. STEEL PIPE	(R-46) LF	262.0
613(B)	0690	24" CORR. GALV. STEEL PIPE	(R-46) LF	172.0
613(B)	0691	30" CORR. GALV. STEEL PIPE	(R-46) LF	24.0
613(H)	0450	6" PERFORATED PIPE UNDERDRAIN ROUND	(1) LF	375.0
613(I)	1096	6" NON-PERF.PIPE UNDERDRAIN RND.	(1) LF	125.0
613(L)	5732	30" PREFAB. CULVERT END SECTION, ROUND	EA	2.0
613(M)	7197	TYPE B6 CULVERT END TREATMENT	EA	2.0
613(M)	7198	TYPE C6 CULVERT END TREATMENT	EA	4.0
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-48,49) LSUM	1.0
619(B)	4727	REMOVAL OF CONCRETE PAVEMENT	(R-49,50) SY	6.0
619(B)	4728	REMOVAL OF ASPHALT PAVEMENT	(3),(R-50) SY	26,249.0
619(B)	4780	REMOVAL OF GUARDRAIL	(4) LF	526.0
619(C)	0924	SAWING PAVEMENT	LF	5,811.0
623(A)	0932	BEAM GUARDRAIL W-BEAM SINGLE	LF	850.0
623(G)	8590	GUARDRAIL END TREATMENT (31")	EA	4.0
623(I)	8700	GUARDRAIL BRIDGE CONN-THRIE BEAM (31")	EA	4.0
624(C)	4459	FENCE-STYLE SWF (5 BARBED WIRE)	(R-52,53) LF	5,197.0
853	9033	DELINEATORS (TYPE 2, CODE 1)	EA	28.0

PAY QUANTITIES - STAKING				
STAKING 600				
ITEM	PES NO.	DESCRIPTION	UNIT	QUANTITY
642(B)	0096	CONSTRUCTION STAKING LEVEL II	LSUM	1

PAY QUANTITIES - CONSTRUCTION				
CONSTRUCTION 640				
ITEM	PES NO.	DESCRIPTION	UNIT	QUANTITY
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1
640(A)	1426	FIELD OFFICE	EA.	1
641	1552	MOBILIZATION	LSUM	1

SUGGESTED SEQUENCE OF CONSTRUCTION

SEE SHEET 29 FOR SUGGESTED SEQUENCE OF CONSTRUCTION

PAY QUANTITIES & NOTES (ROADWAY)