

PAY QUANTITIES

0100 - ROADWAY	SPEC. NO.	ITEM NO.	DESCRIPTION	PAY ITEM NOTES	UNIT	QUANTITY
	201(A)	0102	CLEARING AND GRUBBING	R-1	LSUM	1
	202(A)	0183	UNCLASSIFIED EXCAVATION	R-1	CY	98.563
	202(D)	0184	UNCLASSIFIED BORROW	R-1	CY	25.302
	206(A)	4229	TYPE A-SALVAGED TOPSOIL	R-5-R-7	LSUM	1
	221(C)	2801	TEMPORARY SILT FENCE	(4)	LF	4,435
	221(F)	0100	TEMPORARY SILT DIKE	(4)	LF	112
	230(A)	2806	SOLID SLAB SODDING	R-7,R-8,(5)	SY	11,001
	232(B)	2814	SEEDING METHOD B		AC	26.94
	233(A)	2817	VEGETATIVE MULCHING	R-11	AC	53.88
	303(A)	2100	AGGREGATE BASE TYPE A	(8)	CY	12,231
	307(K)	4300	STABILIZED SUBGRADE	(6)	SY	17,498
	325	5271	SEPARATOR FABRIC	(1)	SY	17,930
	326(A)	0100	GEOTEXTILE REINFORCEMENT	(2)	SY	22,447
	402(E)	0225	TRAFFIC BOUND SURFACE COURSE TYPE E	R-25	TON	2,039
	407(B)	0250	TACK COAT	(3)	GAL	4,238
	408	5774	PRIME COAT	(7)	GAL	10,690
	411(B)	5945	SUPERPAVE TYPE S3 (PG 64-22 OK)	R-32	TON	5,538
	411(C)	5980	SUPERPAVE TYPE S4 (PG 64-22 OK)	R-32	TON	1,773
	601(A)	0287	TYPE I PLAIN RIPRAP	R-49 R-50	TON	662
	619(B)	4728	REMOVAL OF ASPHALT PAVEMENT		SY	12,708
	619(B)	4780	REMOVAL OF GUARDRAIL	R-49 R-50	LF	4,185
	623(A)	0832	BEAM GUARDRAIL W-BEAM-SINGLE		LF	4,000
	623(G)	8571	GUARDRAIL END TREATMENT (GED)		EA	4
	623(O)	8700	GUARDRAIL BRIDGE CONN-THEIR BEAM (31")		EA	4

PAY ITEM NOTES

- (R-1) PAYMENT FOR THIS ITEM WILL BE BASE ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.
- (R-5) AN ESTIMATED QUANTITY OF 3798 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 200 POUNDS PER 1,000 SQUARE YARDS.
- (R-8) FOR SOLID SLAB SODDING, PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER ESTIMATED AT 200 POUNDS PER 1,000 SQUARE YARDS.
- (R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 13.5 ACRES.
- (R-25) ESTIMATED AT 144 LBS. PER CU. FT.
- (R-32) ESTIMATED AT 112 LBS. PER SQ. YD PER 1" THICK.
- (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) SHALL BE MIRAFI RS 380I, OR APPROVED EQUAL.
- (2) SHALL BE MIRAFI RS 580I, OR APPROVED EQUAL.
- (3) ESTIMATED AT 0.075 GAL/SY PRIOR TO DILUTION.
- (4) ESTIMATED QUANTITY FOR TEMPORARY EROSION CONTROL TO BE USED IN A MANNER APPROVED BY THE ENGINEER. PRICE BID TO INCLUDE THE COST OF NECESSARY MAINTENANCE, MAINTAINING IN AN UPRIGHT POSITION, REMOVAL OF DEVICE, AND SEDIMENT REMOVAL.
- (5) PLACE SLAB SOD ON NEW EMBANKMENTS IMMEDIATELY FOLLOWING CONSTRUCTION ACTIVITIES IN ORDER TO MINIMIZE POTENTIAL EROSION AND RUNOFF.
- (6) STABILIZED SUBGRADE SHALL INCLUDE THE COST OF THE CHEMICAL ADDITIVE TO ACHIEVE THE RATE SPECIFIED FOR THE APPROPRIATE SOIL CLASSIFICATION AS SPECIFIED IN THE MOST CURRENT ODOT MATERIALS DIVISION OMDL-50.
- (7) PRIME COAT SHALL USE EMULSIFIED ASPHALT RATHER THAN CUTBACK ASPHALT. APPLICATION RATE ESTIMATED AT 0.35 GAL. PER SQ. YD. WHEN APPLIED TO SUBGRADE, AND 0.25 GAL. PER SQ. YD. WHEN APPLIED TO AGGREGATE BASE. THE ACTUAL AMOUNT OF ASPHALT EMULSION 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.
- (8) 8627 CY OF AGG BASE TYPE A TO BE USED IN SLOPE STABILIZATION.

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.

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 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.

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.

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.

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 OKE" 1-800-522-6543 OR 811.

EROSION CONTROL AND CONSTRUCTION NOTES

SOLID SLAB SODDING SHALL BE PLACED ON ALL DISTURBED AREAS.

AT THE BEGINNING OF SODDING OPERATIONS, ANY AREA INCLUDED IN THE PLANNED QUANTITIES THAT HAS GROWN A SATISFACTORY TURF OF PERENNIAL GRASS, AS DETERMINED BY THE ENGINEER, SHALL NOT BE SODDED, WATERED OR FERTILIZED.

TEMPORARY EROSION CONTROL: IF THE DIRT WORK IS COMPLETED AFTER THE APPROVED PLANTING SEASON FOR SODDING HAS ENDED, DISTURBED AREAS WILL BE PLANTED WITH A TEMPORARY COVER CROP CONSISTING OF WHEAT OR OTHER SMALL GRAIN AT THE RATE OF 20 POUNDS/ACRE IN ACCORDANCE WITH SECTION 232 OF THE STANDARD SPECIFICATIONS. COST OF TEMPORARY COVER CROP TO BE INCLUDED IN THE PRICE BID FOR SOLID SLAB SODDING.

ENVIRONMENTAL MITIGATION NOTES

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

T19N R8E:	
SECTION 1:	SW¼ SE¼ SE¼ NW¼ SW¼ SE¼ SW¼ SE¼ NE¼ SE¼ SW¼ NE¼ NE¼ NW¼ SE¼ NW¼ NE¼ SE¼ NE¼ SE¼ NE¼
T19N R9E:	
SECTION 5:	SW¼ NE¼ SW¼ NW¼ SW¼ NW¼ NW¼ NE¼ NE¼ NE¼ NE¼ NE¼ NE¼ NE¼
SECTION 6:	NE¼ SE¼ NE¼ NE¼ SW¼ SW¼ NW¼ SW¼ NE¼ SE¼ NW¼
SECTION 8:	

▲ 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 MIGRATORY BIRD SPECIES EXTENDS FROM APRIL 1 TO AUGUST 31. MIGRATORY BIRD NESTING USE OF THE SH-48 CIMARRON RIVER BRIDGE (NBI:15584) WAS OBSERVED. DEMOLITION OF THE EXISTING BRIDGE SHALL BE CONDUCTED BETWEEN SEPTEMBER 1, AND MARCH 31, WHEN MIGRATORY BIRD NESTS ARE NOT OCCUPIED. IF 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.

▲ AMERICAN BURRING BEETLE NOTE -
THE AMERICAN BURRING BEETLE IS A LARGE CARRION BURRING 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.

▲ BALD EAGLE NOTE -
THE BALD EAGLE NESTING SEASON IN OKLAHOMA EXTENDS FROM SEPTEMBER 16TH, THROUGH MAY 31. A BALD EAGLE SURVEY WAS COMPLETED FOR THIS PROJECT IN DECEMBER 2016. NO NEST WERE OBSERVED WITHIN THE EXPECTED IMPACT AREA. SURVEY RESULTS ARE VALID ONLY FOR THE NESTING SEASON IN WHICH THE SURVEY WAS PERFORMED. IF CONSTRUCTION ACTIVITIES HAVE BEGUN, BUT ARE NOT COMPLETED BY SEPTEMBER 16, 2017 THE RESIDENT ENGINEER SHALL CONTACT THE ODOT BIOLOGIST AT 405-521-2515. THE ODOT BIOLOGIST SHALL SCHEDULE ANY ADDITIONAL SURVEYS THAT MAY BE REQUIRED AS SOON AS LEAVES FALL OFF THE TREES (APPROXIMATELY NOVEMBER 1). BECAUSE NO NESTS WERE OBSERVED DURING THE INITIAL SURVEY, AND IT CAN TAKE A PAIR OF EAGLES ONE TO THREE MONTHS TO CONSTRUCT A NEW NEST, IF CONSTRUCTION ACTIVITIES HAVE BEGUN BEFORE OCTOBER 31, 2017 THEY MAY CONTINUE WHILE ADDITIONAL NEST SEARCH SURVEYS ARE CONDUCTED AFTER LEAF-OFF. IF CONSTRUCTION ACTIVITIES HAVE NOT BEGUN BY OCTOBER 31, 2017 A NEW NEST SURVEY SHALL BE COMPLETED BY THE ODOT BIOLOGIST BEFORE CONSTRUCTION ACTIVITIES CAN BEGIN. NEST SEARCH SURVEYS CAN ONLY BE CONDUCTED WHEN LEAVES ARE NOT ON THE TREES TYPICALLY BETWEEN DECEMBER 1ST AND FEBRUARY 28TH. IF NESTS ARE OBSERVED, A 1000 FOOT NO-WORK BUFFER SHALL BE PLACED AROUND THE NEST. IF THE BUFFER CANNOT BE MAINTAINED, PROJECT ACTIVITIES WITHIN 1000 FEET OF THE NEST, SHALL BE CONDUCTED BETWEEN JUNE 1 AND SEPTEMBER 15 (OUTSIDE THE NESTING SEASON).

▲ THE CONTRACTOR WILL CONTACT THE USACE LAKE KEYSTONE LAKE MANAGER BEFORE ACCESSING THE MITIGATION PROPERTY. THE CONTACT INFORMATION FOR THE LAKE MANAGER IS:

TRAVIS MILLER
LAKE MANAGER
KEYSTONE, HEYBURN, ARCADIA LAKES
23115 W WEKIWA ROAD
SAND SPRINGS, OK 74063
918-865-2621 EXT 708

FILENAME: 4 PAY ITEMS & NOTES (ROADWAY).DWG		CREEK COUNTY	
DESIGN	C.W.T.	<p align="center">PAY ITEMS & NOTES (ROADWAY)</p>	
DRAWN	C.W.T.		
CHECKED	S.N.H.		
CEC		STATE JOB NO. 27925(04)	SHEET NO. 4