27858(04)							
		PAY QUANTITIES					
0100 ROADWAY							
ITEM NO.		DESCRIPTION			QUANT.		
201(A)	0102	CLEARING & GRUBBING		LSUM	1.00		
202(A)	0183	UNCLASSIFIED EXCAVATION	(R-1)	CY	30,142.00		
202(D)		UNCLASSIFIED BORROW	(R-1)(R-4)	CY	37,088.00		
205(A)	4230	TYPE A - SALVAGED TOPSOIL	(R-1)(R-5)	CY	11,114.00		
221(C)	2801	TEMPORARY SILT FENCE		LF	6,484.00		
221(F)		TEMPORARY SILT DIKE		LF	203.00		
229		DITCH LINER PROTECTION		LF	10,381.00		
230(A)		SOLID SLAB SODDING	(R-7)(R-8)	SY	97,623.00		
233(A)		VEGETATIVE MULCHING	(R-11)(R-16)	AC	40.00		
241		MOWING	(R-16)	AC	40.00		
303(A)		AGGREGATE BASE TYPE A		CY	12,452.00		
307(K)	4300	STABILIZED SUBGRADE		SY	11,873.00		
402(E)		TRAFFIC BOUND SURFACE COURSE TYPE E	(2)(R-25)	TON	11,518.00		
407(B)	0250	TACK COAT	(5)	GAL	9,722.00		
408		PRIME COAT	(R-28)	GAL	43,986.00		
411(B)	5945	SUPERPAVE, TYPE S3 (PG 64-22 OK)	(R-32)	TON	13,904.00		
411(C)	5960	SUPERPAVE, TYPE S4 (PG 64-22 OK)	(R-32)	TON	6,954.00		
509(D)	0325	CLASS C CONCRETE		CY	1,349.00		
601(A)		TYPE I PLAIN RIPRAP	(3)	TON	653.00		
609(B)	0380	COMBINED CURB & GUTTER (4" MOUNTABLE)		LF	128.00		
610(C)	0608	4" CONCRETE DIVIDING STRIP		SY	74.00		
611(A)	2657	MANHOLE (4' DIAMETER)		EA	1.00		
611(G)	5705	INLET CDI RCP DES. 2		EA	2.00		
611(G)	5707	INLET CDI RCP DES. 4		EA	1.00		
613(A)	0492	24" R.C. PIPE CLASS III	(1)	LF	233.00		
613(A)	0493	30" R.C. PIPE CLASS III	(1)	LF	46.00		
613(A)	0494	36" R.C. PIPE CLASS III	(1)	LF	141.00		
613(A)	0495	42" R.C. PIPE CLASS III	(1)	LF	205.00		
613(B)	0689	18" CORR. GALV. STEEL PIPE	(1)	LF	537.00		
613(B)	0690	24" CORR. GALV. STEEL PIPE	(1)	LF	493.00		
613(B)	4527	21"x15" CORR. GALV. STEEL PIPE ARCH	(1)	LF	202.00		
613(B)	4528	21"x15" CORR. GALV. STEEL PIPE ARCH	(1)	LF	347.00		
613(L)	5730	24" PREFAB. CULVERT END SECTION, ROUND	,	EA	5.00		
613(L)	5732	30" PREFAB. CULVERT END SECTION, ROUND		EA	2.00		
613(L)	5734	36" PREFAB. CULVERT END SECTION, ROUND		EA	3.00		
613(L)	5736	42" PREFAB. CULVERT END SECTION, ROUND		EA	6.00		
613(M)	7186	TYPE A4 CULVERT END TREATMENT		EA	20.00		
613(M)		TYPE B4 CULVERT END TREATMENT		EA	26.00		
619(A)	0920	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-48)(R-49)	LSUM	1.00		
619(B)	4725	REMOVAL OF FENCE	` /\ /	LF	31,063.00		
619(B)	4728	REMOVAL OF ASPHALT PAVMENT	(4)(R-49)(R-50)	SY	5,015.00		
619(C)		SAWING PAVEMENT		LF	435.00		
623(A)		BEAM GUARDRAIL W-BEAM SINGLE		LF	525.00		
623(G)		GUARDRAIL END TREATMENT (GET)		EA	8.00		
624(C)		FENCE-STYLE SWF (5 BARBED WIRE)	(6)(R-52)	LF	26,951.00		
624(C)		FENCE-STYLE SWF (6 BARBED WIRE)	(6)(R-52)	LF	4.112.00		
629(E)		REMOVE AND RESET MAILBOX	(-/(/	EA	2.00		
(-)							

0300 TRAFFIC CONTROL						
ITEM NO.		DESCRIPTION		UNIT	QUANT.	
805(A)	8724	REMOVAL OF EXISTING SIGNS		EA	4.0	
850(A)	8110	SHEET ALUMINUM SIGNS	(TS-34)	SF	105.0	
851(C)	8324	2" SQUARE TUBE POST	(TS-33)	LF	265.0	
855(A)	8812	TRAFFIC STRIPE (PLASTIC) (4" WIDE)	(TS-19)(TC-14)	LF	61,311.0	
855(A)	8814	TRAFFIC STRIPE (PLASTIC) (8" WIDE)	(TC-14)	LF	110.0	
855(A)	8825	TRAFFIC STRIPE (PLASTIC) (24" WIDE)	(TC-14)	LF	12.0	
880(J)	8905	CONSTRUCTION TRAFFIC CONTROL	(TC-20,25,33,75)	LSUM	1.0	

27858(04) 0600 STAKING	PAY OUANTITIES		
ITEM NO.	DESCRIPTION	UNIT	QUANT.
642(B) 0096	CONSTRUCTION STAKING LEVEL II	LSUM	1.00

27858(04)  PAY QUANTITIES 0640 CONSTRUCTION					
ITEM NO.		DESCRIPTION	UNIT	QUANT.	
220	2800	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.00	
641	1399	MOBILIZATION	LSUM	1.00	

### SPECIFICATIONS:

COMPLY WITH THE REQUIREMENTS OF THE 2009 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

### GENERAL CONSTRUCTION NOTES:

THE COUNTY WILL BE RESPONSIBLE FOR THE ACQUISITION OF RIGHT-OF-WAY, RELOCATION OF UTILITIES, AND TO PROVIDE SIGNING FOR DETOUR IF REQUIRED.

THE CONTRACTOR SHALL GIVE NOTICE TO CANADIAN COUNTY AND THE OKLAHOMA DEPARTMENT OF TRANSPORTATION DIVISION 3 ENGINEER, IN WRITING 14 DAYS BEFORE WORK BEGINS ON THE

IN ACCORDANCE WITH THE OKLAHOMA LINDERGROUND FACILITIES DAMAGE PREVENTION ACT THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM INC. 48 HOURS PRIOR TO BEGINNING (R-8) EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543)" OR 811.

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 THOROLIGHLY 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 REFORE 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

THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED. COST TO BE INCLUDED IN OTHER

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. (R-50) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION

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

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

ANY DAMAGE CAUSED BY THE CONTRACTOR TO ANY STRUCTURES, ROADWAY SURFACES, STRIPING, RAISED PAVEMENT MARKERS, GUARDRAIL, SLOPES, AND SIGNS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE

ALL REGULATORY SIGNS SHALL HAVE HIGH INTENSITY SHEETING. THE HIGH INTENSITY SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION) FOR TYPE III SHEETING.

ALL WARNING SIGNS SHALL HAVE FLUORESCENT YELLOW SHEETING. THE FLUORESCENT YELLOW SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956-(LATEST REVISION)

NO SPLICES SHALL BE PERMITTED IN ANY PIPE OR WIDE FLANGE SIGN POSTS.

ALL ANCHOR BOLTS SHALL BE GRADE A-36 STEEL.

THE STATIONS AND LOCATIONS OF THE SIGN PLACEMENT, AS SHOWN ON THE PLAN SHEETS, ARE APPROXIMATE. EXACT STATIONS AND LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH DEPARTMENT STANDARDS AND THE MUTCD IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL

ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL MEET ODOT'S QUALITY STANDARDS

ROADWAY SHALL BE CLOSED TO THROUGH TRAFFIC DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL PROVIDE ACCESS TO LAND OWNERS AND TENANTS.

ROADWAY SHALL BE CLOSED TO THROUGH TRAFFIC DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL LIMIT SEQUENCING TO CONSTRUCTION SECTIONS 1 MILE AT A TIME.

## **ENVIRONMENTAL NOTES:**

MIGRATORY BIRDS ARE PROTECTED BY THE FEDERAL MIGRATORY BIRD TREATY ACT, MANY BIRDS MIGRATOR BIRDS ARE PROTECTED BY THE FEDERAL MIGRATORY BIRD TREAT FROM MAINT BIRDS COMMONLY USE BRIDGES AND CULVERTS FOR NESTING, THE RESTING SEASON FOR MOST BIRD SPECIES EXTENDS FROM APRIL 1 TO AUGUST 31, THE PROJECT WAS SURVEYED FOR MIGRATORY BIRD. NESTS IN 2016. ALTHOUGH NO NESTS WERE OBSERVED, SWALLOWS MAY OCCUPY THESE STRUCTURES IN THE FUTURE NESTING SEASONS. ANY ACTIVITIES WHICH WOULD DESTROY ACTIVE NESTS OR HARM EGGS OR BIRDS WOULD VIOLATE THE MIGRATORY BIRD TREATY ACT. THE PROJECT 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.

THE PROJECT IS LOCATED IN CLOSE PROXIMITY TO AREAS THAT HAVE HISTORICALLY BEEN ASSOCIATED WITH OILFIELD ACTIVITY. GIVEN PAST OILFIELD ACTIVITIES, THE PROBABILITY EXISTS OF ENCOUNTERING CONTAMINATED SOIL, BURIED OILFIELD PIPELINES AND ASSOCIATED OILFIELD DEBRIS ONCE CONSTRUCTION ACTIVITIES COMMENCE. CONTAMINANTS OF CONCERN INCLUDE PETROLEUM PRODUCTS, CRUDE OIL, RADIOACTIVE WASTES, SALT WATER CONTAMINATION, OILFIELD RELATED WASTES, AND MISCELLANEOUS WASTES AND DEBRIS. IF AN INDICATOR OF CONTAMINATION IS IDENTIFIED, WORK WILL CEASE IMMEDIATELY AND THE PROJECT ENGINEER WILL BE NOTIFIED WITHIN ONE HOUR AFTER DISCOVERY FOR FURTHER DIRECTION.

### PAY QUANTITIY NOTES:

- PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY ONLY. SEE SECTION 109.01B OF THE STANDARD SPECIFICATIONS.
- INCLUDES 3,750 CU. YDS. FOR DRIVEWAYS, RETURNS, DIKES, AND MISCELLANEOUS
- AN ESTIMATED QUANTITY OF 11,114 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
- PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER
- FOR 230(A) PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER
- (R-11) THE QUANTITIES ESTIMATED FOR TEMPORARY EROSION AND SEDIMENT CONTROL IS 40
- (R-16) QUANTITY BASED ON TWO APPLICATIONS.
- (R-25) ESTIMATED AT 120 LBS. PER CU. FT.
- 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 SO. 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 DISPOSED OF BY THE CONTRACTOR IN MANNER APPROVED BY THE ENGINEER
- 202.06 UNCLASSIFIED EXCAVATION.
- (R-52) INCLUDES 2% FOR GROUND MEASUREMENT
- (1) PRICE TO INCLUDE COST OF TRENCH EXCAVATION AND STANDARD BEDDING MATERIAL.
- (2) INCLUDES 250 TONS FOR TEMPORARY DRIVEWAY ACCESS AS NEEDED DURING
- (3) QUANTITY INCLUDES 30 TON TO BE USED BY THE ENGINEER FOR EROSION CONTROL.
- (4) OWNER SHALL HAVE THE OPTION TO RETAIN ASPHALT PAVEMENT REMOVED AS PART OF
- (5) TACK COAT SHALL BE APPLIED AT AN ESTIMATED RATE OF 0.15 GALL PER SQ. YD. PRIOR TO
- (6) ALL CORNER STRETCHER AND END POSTS SHALL BE 6" DIA STEEL PIPE SCH. 40 ANCHORED IN CLASS A CONCRETE AND ALL LINE POSTS SHALL BE STEEL TEE POSTS. ALL BRACKING SHALL BE 3" DIA. STEEL PIPES SCH. 40 AND ATTACHED BY WELDING AROUND ITS FULL CIRCUMFERENCE. ALL STEEL PIPE POSTS SHALL BE CAPPED. ALL POSTS, CONCRETE, AND HARDWARE ARE INCLUDED IN THE PRICE BID PER L.F. OF FENCE.

REVISIONS				
REV. NO.	DESCRIPTION	DATE		

# **GENERAL TRAFFIC NOTES**

- (TC-14) SEE STANDARD DRAWING PM1-1, PM2-1, PM3-1, PM4-1, PM5-1. PM6-1. PM7-1. PM8-1 LATEST REVISION). A PART, OR ALL, OF THE QUANTITY SHOWN IS TO BE USED AS FINAL PAVEMENT MARKING.
- (TC-20) ALL STRIPING TO BE PLACED ON TEMPORARY SURFACES OR ON SURFACES SCHEDULED TO BE REMOVED SHALL BE DONE WITH PAINT UNLESS OTHERWISE NOTED ON THE PLANS OR STANDARD DRAWINGS. TEMPORARY PAVEMENT MARKINGS PLACED ON FINISHED PAVEMENT OR EXISTING PAVEMENT TO REMAIN IN PLACE SHALL USE ONE OF THE FOLLOWING METHODS:
  - REMOVABLE PAVEMENT MARKING TAPE
     CLASS A PAVEMENT MARKERS
- (TC-25) ALL CONSTRUCTION TRAFFIC CONTROL WILL BE IMPLEMENTED ACCORDING TO CONSTRUCTION PLANS, AND INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION), AND COMPLIANT WITH APPLICABLE O.D.O.T. STANDARD DRAWINGS, PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS REQUIRED FOR COMPLETION OF THE PROJECT.
  - ALL SIGNS AND BARRICADES, WHICH ARE SHOWN WITH TYPE 'A' LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING
- (TC-33) ALL CONSTRUCTION WORK ZONE SIGNS SHALL HAVE FLUORESCENT SHEETING. THE FLUORESCENT SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956 (LATEST
  - THE MANUFACTURER SHALL FURNISH A TYPE 'D' CERTIFICATION IN ACCORDANCE WITH O.D.O.T. STANDARD SPECIFICATIONS (CURRENT EDITION) SUBSECTION 106.04. THE CERTIFICATION SHALL INCLUDE TEST RESULTS ON MATERIAL SUBMITTED FOR
- TEMPORARY PAVEMENT MARKINGS SHALL BE IN PLACE THE SAME DAY THAT EXISTING PAVEMENT MARKINGS ARE REMOVED FROM ANY ROADWAY OPEN TO TRAFFIC. ALSO, TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED PRIOR TO THE INSTALLATION OF FINAL STRIPING
- (TS-19) QUANTITY SHOWN INCLUDES 45,798 L.F. TRAFFIC STRIPE (PLASTIC)(WHITE) AND 15513 L.F. TRAFFIC STRIPE(PLASTIC)(YELLOW) AND WILL BE MEASURED BY THE LINEAR FOOT OF FOUR INCH (4") WIDE TRAFFIC STRIPE.
- (TS-33) INCLUDED IN THIS PAY ITEM IS ALL HARDWARE ASSOCIATED WITH PROPERLY NCHORING AND MOUNTING THE HIGHWAY SIGN IN ACCORDANCE WITH O.D.O.T. PLANS AND STANDARD DRAWINGS SSA1-1 AND SSP1-1-(LATEST REVISION).
- (TS-34) INCLUDED IN THIS PAY ITEM IS THE REMOVAL OF ANY EXISTING SIGNS TO BE REPLACED BY NEW ASSEMBLIES AND THE REMOVAL OF ANY EXISTING SIGNS THAT WILL BE IN CONFLICT WITH THE NEW ROADWAY OR NEW SIGNAGE.

CALUMET ROAD

CANADIAN COUNTY

DESIGN	GCS		OKLAHOMA DEPARTMENT OF	TRANSPORTATION	
DRAWN	GLH				
CHECKED	GCS		SUMMARY OF PAY QUANTITIES		
APPROVED			AND GENERAL NOTES		
SQUAD	мк	ŒC	STATE JOB NO. 27858(04)	SHEET NO. AR01	