

REVISIONS		
REV. NO.	DESCRIPTION	DATE

TRAFFIC GENERAL CONSTRUCTION NOTES

ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2009 OKLAHOMA ENGLISH STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION GOVERN.

ANY DAMAGE CAUSED BY THE CONTRACTOR TO ANY STRUCTURES, ROADWAY SURFACES, STRIPING, RAISED PAVEMENT MARKERS, GUARDRAIL, ATTENUATORS, SLOPES, SIGNS, OR CABLE BARRIER EQUIPMENT/ITEMS SHALL BE REPLACED OR REPAIRED AT CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER. THIS SHALL INCLUDE THE ANY ITEMS DAMAGED DURING CONSTRUCTION, DELIVERY, OR HANDLING OF THESE ITEMS.

ALL BROKEN CONCRETE, WASTE MATERIAL, AND DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN AN AREA APPROVED BY THE ENGINEER. NO PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.

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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF 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 1-800-522-6543,811,OR www.callokie.com OR THE LOCAL COUNTY CLERK'S OFFICE.

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

ALL FIELD MEASUREMENTS PREVAIL ON INSTALLATION AND REMOVAL.

PRIOR TO FINAL ACCEPTANCE BY THE ENGINEER, ALL EXPOSED CURB, ROADWAY SURFACES (INCLUDING RUMBLE STRIPS), AND STRUCTURES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAINS, TIRE MARKS, OR OTHER DISFIGUREMENTS, AND CLEARED OF ALL DEBRIS.

IN ORDER TO ALLEVIATE DUST CONDITIONS DURING GRADING OPERATIONS, THE CONTRACTOR SHALL SPRINKLE GRADING AT INTERVALS APPROVED BY THE ENGINEER. COST OF SPRINKLING TO BE INCLUDED IN PRICE BID FOR OTHER ITEMS OF WORK.

MAINTENANCE OF THROUGH TRAFFIC INCLUDES THE MAINTENANCE OF THE EXISTING ROAD IN CLOSE PROXIMITY TO THE NEW CONSTRUCTION AS SHOWN ON THE PLANS.

THE ITEMS TO BE REMOVED AND/OR RESET SHALL BE HANDLED WITH CARE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE DURING THESE OPERATIONS.

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.

DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SURFACE DRAINAGE, SHALL VISUALLY INSPECT AND/OR MONITOR IT DURING RAINY OR WET WEATHER, AND TAKE NECESSARY STEPS TO ENSURE ALL AREAS IN THE MEDIAN ADEQUATELY DRAINS TO THE SATISFACTION OF THE ENGINEER.

TRAFFIC SAFETY PAY QUANTITY NOTES

- (TP-1) PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY. SEE THE 2009 SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- (TP-20) PRICE BID FOR THIS ITEM SHALL INCLUDE THE FILLING AND TAMPING OF HOLES LEFT AFTER THE REMOVAL OF THE POSTS DURING THE GUARDRAIL REMOVAL OPERATION. THIS WORK SHALL BE PERFORMED IN A MANNER APPROVED BY THE ENGINEER.
- (TP-25) NO RAW GUARDRAIL ENDS SHALL BE LEFT EXPOSED TO TRAFFIC DURING NON-WORKING HOURS.


SPECIAL NOTES

- (SP-1) THIS ITEM SHALL INCLUDE THE FOLLOWING :
  1. EXCAVATION OF THE EXISTING SURFACE UNDER ALL NEW GUARDRAIL INSTALLATIONS. FULL DEPTH MATERIAL SHALL BE REPLACED. ALL REMOVED MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM IN A MANNER APPROVED BY THE ENGINEER.
  2. COMPACTION OF SOIL IN PREPARATION OF THE NEW PAVED SURFACE.
  3. BACKFILL TO ADJUST SHOULDER GRADE ONCE THE NEW PAVED SURFACE IS COMPLETE.
  4. MAINTAIN EXISTING SLOPE OR BETTER AS DIRECTED BY THE ENGINEER.
- (SP-2) PRICE BID TO INCLUDE COST OF WATERING & (10-20-10) FERTILIZING. WATERING ESTIMATED AT 40 GAL. PER SQ. YD. FOR ESTIMATING PURPOSES ONLY. CONTRACTOR WILL PROVIDE SUFFICIENT WATER TO PRODUCE ADEQUATE GRASS GROWTH AS APPROVED BY THE ENGINEER. FERTILIZER (10-20-10) ESTIMATED AT 200 LB. PER 1000 SQ. YD.
- (SP-3) SOLID SLAB SODDING TO BE PLACED NEXT TO NEW ASPHALT LOCATIONS IN 7.0 FOOT WIDE SECTIONS OR AS DETERMINED BY THE ENGINEER.
- (SP-4) THIS ITEM IS AN ESTIMATED QUANTITY TO BE DETERMINED BY THE ENGINEER.
- (SP-5) PRICE BID FOR THIS ITEM SHALL INCLUDE ALL CLEANING AND MAINTENANCE OF EROSION CONTROL DEVICES (INCLUDING REMOVAL OF SILT AND SEDIMENT) AS DIRECTED BY THE ENGINEER.
- (SP-6) PRICE BID TO INCLUDE COST OF PRIME COAT AND TACK COAT, MEETING REQUIREMENTS OF SECTION 407 OF THE STANDARD SPECIFICATIONS.
- (SP-7) ESTIMATED AT 112 LBS. PER. SQ. YD. PER 1" THICK.
- (SP-8) ALL GUARDRAIL TO BECOME PROPERTY OF CONTRACTOR, AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN AREA APPROVED BY THE ENGINEER. NO PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
- (SP-9) TOP OF GUARDRAIL MUST BE A MINIMUM OF 31" FROM TOP OF RAIL TO EDGE OF FINISHED SHOULDER.
- (SP-10) STEEL POSTS WITH STEEL BLOCKOUTS WILL NOT BE ALLOWED. CONTRACTORS SHALL SUPPLY STEEL POSTS WITH PLASTIC BLOCKOUTS. CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO SECTIONS 623 AND 732 OF THE STANDARD SPECIFICATIONS. BLOCKOUTS USED ON THIS PROJECT MUST BE ON THE OKLAHOMA DEPARTMENT OF TRANSPORTATION LIST OF APPROVED GUARDRAIL BLOCKOUTS.
- (SP-11) INCLUDED IN THIS PAY ITEM IS ONE (1) W-BEAM END SECTION (FLARED). REFER TO STANDARD DRAWING GHW2-1-(LATEST REVISION).


**PAY QUANTITY SCHEDULE**

0304 GUARDRAIL				
PAY ITEM	CODE NO.	DESCRIPTION	UNIT	QUANTITY
209	0120	MACHINE GRADING (TP-1)(SP-1)	LF	1,005.00
221(C)	2801	TEMPORARY SILT FENCE (SP-4,5)	LF	650.00
221(F)	0100	TEMPORARY SILT DIKE (SP-4,5)	LF	250.00
230(A)	2806	SOLID SLAB SODDING (SP-2,3,4)	SY	516.00
411(C)	5960	SUPERPAVE, TYPE S4 (PG 64-22 OK) (SP-6,7)	TON	102.09
619(B)	4780	REMOVAL OF GUARDRAIL (TP-20,25)(SP-8)	LF	300.00
623(A)	0932	BEAM GUARD RAIL W-BEAM SINGLE (TP-25)(SP-9,10,11)	LF	425.00
623(G)	8590	GUARDRAIL END TREATMENT (31") (SP-9)	EA	3.00
623(I)	8700	GUARDRAIL BRIDGE CONN-THRIE BEAM (31") (SP-9)	EA	4.00
853	9069	GUARDRAIL DELINEATORS (TYPE 2, CODE 1)	EA	14.00

SH-91				GUARDRAIL 31"							TOTAL LENGTH
LOCATION NUMBER	MILEAGE	SIDE OF ROADWAY	DESCRIPTION	REMOVAL OF GUARDRAIL	GUARDRAIL END TREATMENT (31")	BEAM GUARDRAIL W BEAM SINGLE	GUARDRAIL BRIDGE CONNECTION-THRIE BEAM (31")	MACHINE GRADING	SOLID SLAB SODDING	SUPERPAVE TYPE "S4"	
START POINT AT 143+00				619(B) 4780	623(G) 8590	623(A) 0932	623(I) 8700	209 0120	230(A) 2806	411 (C) 5960	
				L.F.	EA.	LF.	EA.	L.F.	S.Y.	TON	
1	0.034	S	A	75.00		150.00	1.00	193.75	97.00	21.64	168.75
2	0.023	N	B	75.00	1.00	75.00	1.00	253.75	130.00	24.75	143.75
3	0.036	N	C	75.00	1.00	137.50	1.00	316.25	165.00	32.50	206.25
4	0.021	S	D	75.00	1.00	62.50	1.00	241.25	124.00	23.20	131.25
TOTALS				300.00	3.00	425.00	4.00	1005.00	516.00	102.09	650.0



PREPARED BY:  
OKLAHOMA DEPARTMENT OF TRANSPORTATION  
TRAFFIC ENGINEERING DIVISION  
*Kenneth C. Dederling*  
KENNETH C. DEDERING, P.E.  
OKLA. REG. NO. 21077  
DATE 08-10-17



REGISTERED PROFESSIONAL ENGINEER  
KENNETH CHARLES DEDERING  
21077  
OKLAHOMA

DIVISION 2		BRYAN COUNTY		DETAIL:	CLD	04/17
SH-91				CHECK:	GF	04/17
<b>SUMMARY OF PAY QUANTITIES AND NOTES (GUARDRAIL)</b>				ENGINEER:	KCD	04/17
				GROUP:	ABRAHAM	
				EM:	MAAROUF	

STATE OF OKLAHOMA

DEPARTMENT OF TRANSPORTATION

JOB/PIECE NO. 32756(04)

SHEET NO. AT02