

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.	27050(04)	2017		

DESCRIPTION	REVISIONS	DATE

PAY QUANTITIES					JP 27050(04)
ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QUANTITY	
802(B)	8338	1 1/2" PVC SCH.40 PLASTIC CONDUIT TRENCHED	(TP-1) LF	283	
802(B)	8342	2" PVC SCH.40 PLASTIC CONDUIT TRENCHED	(TP-1) LF	9	
802(B)	8344	3" PVC SCH.40 PLASTIC CONDUIT BORED	(TP-1) LF	214	
803(A)	8065	PULL BOX(SIZE I)	EA	1	
804(A)	2915	STRUCTURAL CONCRETE	CY	3	
804(B)	2916	REINFORCING STEEL	LB	396	
805(A)	8704	REMOVAL OF PULL BOX	EA	1	
805(A)	8726	(PL) REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	(TR-24) LSUM	1	
806(A)	8350	32MH POLE,30TS & 10'LMA(G.STL.)	(SP-22) EA	1	
809(A)	8090	ROADWAY LUMINAIRE	(TL-24) EA	1	
811	8044	1/C NO.10 ELECTRICAL CONDUCTOR	(TP-1) LF	574	
828(B)	8136	LOOP DETECTOR WIRE	(TP-1) LF	2124	
831	8231	1WAY 3SEC. ADJ. SIG. HD. S-6	(SP-21) EA	2	
833	3030	BACKPLATE	EA	2	
834(A)	8207	5/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1) LF	204	
834(A)	8208	7/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1) LF	50	
834(A)	8211	15/C TRAFFIC SIGNAL ELECTRICAL CABLE	(TP-1) LF	248	
834(B)	8220	2/C SHIELDED LOOP DETECTOR LEAD-IN CABLE	(TP-1) LF	727	
836	8425	REGULATORY OR WARNING SIGN ASSEMBLY	(SP-23) EA	1	
850(C)	8118	MAST ARM MOUNTED SIGNS (ALUMINUM)	(TS-6) SF	9.00	

TRAFFIC SIGNAL PAY QUANTITY NOTES	
(SP-21)	ALL LED TRAFFIC SIGNAL LENSES SHALL BE FURNISHED AND INSTALLED ON THIS PROJECT. THE LED TRAFFIC MODULES, LENSES, AND ALL ASSOCIATED MATERIAL AND EQUIPMENT SHALL CONFORM TO I.T.E. VEHICLE TRAFFIC CONTROL SIGNAL HEAD (VTCSH) STANDARDS IN EFFECT AT THE TIME THAT THE ORDER IS PLACED. LED HEADS SHALL BE CAPABLE OF OPERATING WITHOUT A REFLECTOR.
(SP-22)	ALL TRAFFIC SIGNAL POLES SHALL BE FURNISHED WITH AN INTEGRATED TERMINAL COMPARTMENT (HANDHOLE AND COVER) MANUFACTURED BY PELCO PRODUCTS OR APPROVED EQUAL.
(SP-23)	THIS PAY ITEM SHALL BE A FLASHING WARNING SIGN WHEN TRAINS ARE PRESENT. SPECIAL SIGN DETAILS CAN BE FOUND ON SHEET 134. SIGN ASSEMBLY SHALL BE INTERCONNECTED WITH RAILROAD SIGNAL. RAILROAD CONTRACTOR TO PROVIDE TERMINAL BOX WITH A PLUG IN CONNECTION INSIDE RAILROAD RIGHT-OF-WAY. PRICE BID FOR THIS ITEM SHALL INCLUDE ALL ITEMS REQUIRED FOR INSTALLATION INCLUDING THE SERVICE POLE, POST POLE, FOUNDATION, AND ALL WIRING AND HARDWARE AS SHOWN ON STANDARD DRAWING RWSF1-1 LATEST REVISION.
(TL-24)	1 - ROADWAY LUMINAIRES SHALL BE 250 WATT HIGH PRESSURE SODIUM, WITH CLEAR LAMP OF 28,000 LUMENS, ILLUMINATION ENGINEERING SOCIETY DISTRIBUTION AS FOLLOWS: VERTICAL = MEDIUM; LATERAL = TYPE 3; CONTROL = SEMICUTOFF; ODOT FIXTURE STYLE = A1. SEE STD. HLD1-1(LATEST REVISION).
(TP-1)	PAYMENT FOR THIS ITEM WILL BE BASED ON PLAN QUANTITY. SEE THE 2009 SPECIFICATIONS FOR HIGHWAY CONSTRUCTION
(TR-24)	ALL TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CITY. THE CONTRACTOR SHALL NEATLY STACK SUCH REMOVED MATERIAL AT A LOCATION ON THE JOB SITE AS DIRECTED BY THE ENGINEER. THE PRICE BID SHALL INCLUDE THE REMOVAL OF ALL FOOTINGS BELOW GROUND LEVEL OR AS DIRECTED BY THE ENGINEER. FOOTINGS TO BECOME THE PROPERTY OF THE CONTRACTOR.
(TS-6)	SHOP DRAWINGS FOR ATTACHING SIGNS TO LIGHT AND/OR SIGNAL POLES AND MAST ARMS SHALL BE SUBMITTED TO THE TRAFFIC ENGINEER FOR APPROVAL BEFORE FABRICATION. NO HOLES SHALL BE PERMITTED IN ANY LIGHT AND/OR SIGNAL POLE OR MAST ARM. THE PRICE BID SHALL INCLUDE ALL MATERIALS, LABOR, HARDWARE AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS DESCRIBED.

TRAFFIC SIGNAL CONSTRUCTION NOTES	
THE STRUCTURAL DESIGN OF ALL POLES, MAST ARMS, HIGH-MAST POLES, AND OTHER SUPPORTS FOR SIGNS, LUMINAIRES, AND SIGNALS AS WELL AS THEIR CONNECTIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. THE MANUFACTURER SHALL ENSURE THE FOLLOWING ARE APPLIED TO THE DESIGN: THE MINIMUM DESIGN WIND SPEED AND DESIGN LIFE AS REQUIRED IN THE AASHTO SPECIFICATIONS; THE CALCULATED STRESSES AND FORCES FROM THE DESIGN LOADINGS DO NOT EXCEED THOSE REQUIRED IN THE AASHTO SPECIFICATIONS; A CATEGORY I FATIGUE IMPORTANCE FACTOR (IF) FOR ALL STRUCTURES; NO VIBRATORY MITIGATION SHALL BE ALLOWED. TRUCK-INDUCED GUSTS SHALL BE APPLIED TO OVERHEAD TRAFFIC SIGNAL SUPPORTS. ALL MEMBERS ARE AT LEAST THE MINIMUM THICKNESS AS REQUIRED IN THE AASHTO SPECIFICATIONS; LUMINAIRE MAST ARMS SHALL BE DESIGNED TO SUPPORT AT LEAST A 50 LB. (22.7 KG) LUMINAIRE WITH AN EFFECTIVE PROJECTED AREA OF 2.5 FT ² (0.23 M ²); THE ANCHOR BOLT DESIGN AND AMOUNT OF ANCHOR BOLTS TO BE USED SHALL BE AS REQUIRED IN THE AASHTO SPECIFICATIONS. SIGNAL MAST ARMS AND POLES SHALL BE DESIGNED FOR SPECIFIC SIGNAL HEAD AND SIGN PLACEMENT. UNLESS SITE SPECIFIC GEOTECHNICAL DATA IS AVAILABLE, FOUNDATIONS SHALL BE DESIGNED UTILIZING THESE PARAMETERS; SHEAR STRENGTH OF COHESIVE SOIL (C) OF 500 PSF, ANGLE OF INTERNAL FRICTION (Ø) OF 22 DEGREES, AND EFFECTIVE UNIT WEIGHT OF SOIL (F) OF 120 PCF. MINIMUM HAND HOLE SIZE OF 3 INCH WIDTH BY 5 INCH HEIGHT. ANY DAMAGE CAUSED BY THE CONTRACTOR TO ANY STRUCTURES, ROADWAY SURFACES, STRIPING, RAISED PAVEMENT MARKERS, GUARDRAIL, SLOPES, AND SIGNS SHALL BE REPAIRED AT CONTRACTORS EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER. 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. 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 CLERKS OFFICE.	

DESIGN	NAB	5/16	1-44 & US-62 INTERCHANGE
DRAWN	BWH	5/16	
CHECKED	JES	5/16	
APPROVED			
SQUAD	GARVER		

SUMMARY OF PAY QUANTITIES AND NOTES (TRAFFIC) (SHEET 3 OF 3)

STATE JOB NO. 27050(04) SHEET NO. 16