

PAY QUANTITIES

JP 21899(04)

ITEM NO.	CODE NO.	DESCRIPTION	UNIT	QUANTITY
104	0700	CONSTRUCTION MISCELLANEOUS (L-14)	LSUM	1
802(B)	8334	1" PVC SCH. 40 PLASTIC CONDUIT TRENCHED (L-8) (L-9) (L-10)	LF	14000
802(B)	8338	1-1/2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED (L-8) (L-9) (L-10)	LF	400
802(E)	8374	(PL) JUNCTION BOX (L-1) (L-2)	EA	25
804(A)	2915	STRUCTURAL CONCRETE (L-12)	CY	62
804(B)	2916	REINFORCING STEEL (L-12)	LB	6200
805(A)	8712	(PL) REMOVAL OF LIGHT POLE (TL-43) (L-3) (L-4)	EA	14
805(D)	8744	(PL) REMOVE & RESET LIGHT POLE (TL-43) (L-3) (L-4)	EA	6
806(C)	8960	50' MTG & 6' HLMA (G. STL.) (L-5) (L-7) (L-11)	EA	25
807	8092	BREAKAWAY BASE (DES. B)	EA	6
809(A)	8090	ROADWAY LUMINAIRE (L-6)	EA	50
811	8036	1/C NO. 2 ELECT. COND. (L-13)	LF	300
811	8040	1/C NO. 6 ELECT. COND.	LF	3800
811	8042	1/C NO. 8 ELECT. COND.	LF	10400
811	8044	1/C NO. 10 ELECT. COND.	LF	17000

PAY ITEM NOTES

- (L-1) JUNCTION BOXES AT CONDUIT RISERS ON THE HIGHWAY PORTION ARE 8"Wx8"Tx4"D.
- (L-2) ALL JUNCTION BOXES SHALL BE NEMA 4 STAINLESS STEEL WITH TAMPERPROOF COVERS AND SCREWS.
- (L-3) LIGHT POLES CURRENTLY ON EXISTING RAMP LIGHTING CIRCUITS THAT ARE TO REMAIN SHALL BE RECONNECTED AS SHOWN ON THE PLANS. PAYMENT FOR THIS RECONNECTION SHALL BE SUBSIDIARY TO LIGHT POLE REMOVAL. CONTRACTOR SHALL VERIFY WITH THE CITY OF TULSA THAT ADJACENT EXISTING CONTROLLERS TO REMAIN HAVE THE ELECTRICAL CAPACITY FOR RECONNECTION PRIOR TO CONSTRUCTION.
- (L-4) EXISTING LIGHT POLES SHALL BE RELOCATED AND REINSTALLED ON HEW FOUNDATIONS AS INDICATED ON THE PLANS. COORDINATE WITH THE UTILITY PRIOR TO CONSTRUCTION. THIS PAY ITEM SHALL INCLUDE ALL PAYMENT NECESSARY TO COMPLETELY RECONNECT ALL REQUIRED POWER AND CONTROL CIRCUITRY.
- (L-5) REFER TO LIGHT FIXTURE SCHEDULE AND LIGHT TABLE NOTES FOR POLE SPECIFICS INCLUDING TYPE, LENGTH, AND APPEARANCE.
- (L-6) REFER TO LIGHT FIXTURE SCHEDULE FOR ROADWAY LUMINAIRE SPECIFICS. ALL ROADWAY LUMINAIRE TYPES SHALL BE PAID FOR UNDER THIS ITEM.
- (L-7) THE GROUNDING SYSTEM INCLUDING GROUNDING CONDUCTORS, GROUND RODS, EXOTHERMIC WELDS, AND GROUND LUGS FOR THE ROADWAY LIGHTING SHALL BE PAID FOR SUBSIDIARY TO ROADWAY LUMINAIRE POLES. SEPARATE PAYMENT WILL NOT BE MADE FOR GROUNDING ITEMS.
- (L-8) PULL WIRE IN SPARE CONDUITS SHALL BE PAID FOR SUBSIDIARY TO CONDUIT INSTALLATION.
- (L-9) CONCRETE ENCASEMENT AROUND MULTIPLE OR SINGLE CONDUITS SHALL BE PAID FOR SUBSIDIARY TO COST OF CONDUIT INSTALLATION.
- (L-10) MULTIPLE CONDUIT DUCT BANKS ARE REQUIRED, HOWEVER, PAYMENT IS MADE BASED ON LF OF EACH SEPARATE CONDUIT IN THE DUCT BANK.
- (L-11) ALL BRACKETS, JUNCTION BOXES, AND SUPPORTS REQUIRED TO MOUNT NON-POLE-MOUNTED FIXTURES SHALL BE PAID FOR SUBSIDIARY TO LIGHT FIXTURE PAY ITEM.
- (L-12) CONCRETE AND REINFORCEMENT SHALL BE PAID FOR BY FIELD QUANTITY. THE PROVIDED QUANTITIES ARE ESTIMATES ONLY. REFER TO LIGHTING DETAILS, SHEET 2 OF 3, FOR PROPOSED DESIGN AND REQUIREMENTS. REVIEW THE NOTE RELATING TO FOUNDATION DESIGN, WHICH IS TO BE PERFORMED AND SUBMITTED BY THE CONTRACTOR FOR REVIEW AND APPROVAL BY THE ENGINEER.
- (L-13) ALL 1/C No. 3 ELECTRICAL CONDUCTOR WILL BE SUBSIDIARY TO 1/C No. 2 ELECTRICAL CONDUCTOR.
- (L-14) ELECTRICAL EQUIPMENT RACK WORK SHALL BE PAID FOR UNDER "CONSTRUCTION MISCELLANEOUS". THIS SHALL INCLUDE ALL WORK IN AND AROUND THE VICINITY OF THE EXISTING ELECTRICAL EQUIPMENT RACK INCLUDING, BUT NOT LIMITED TO: LOCKOUT/TAGOUT PROCEEDINGS; ARC-FLASH TESTING, CALCULATIONS, AND LABELING; PANEL MODIFICATIONS; CIRCUIT TERMINATIONS; AND OTHER REQUIREMENTS TO COMPLETE A FUNCTIONAL SYSTEM AS DESIGNED.
- (TL-43) ALL REMOVED POLES, LIGHT POLES, MAST ARMS, LUMINAIRES, BREAKWAY BASES AND PERTINENT EQUIPMENT SHALL BECOME THE PROPERTY OF THE CITY OF TULSA. THE CONTRACTOR SHALL NEATLY STACK THE REMOVED ITEMS IN AN AREA DESIGNATED BY THE ENGINEER WITHIN THE PROJECT LIMITS. THE ITEMS THAT RE TO BE REMOVED SHALL BE HANDLED WITH CARE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OCCURRING DURING THESE OPERATIONS.

GENERAL CONSTRUCTION NOTES

SYMBOLS AND LEGENDS ARE DIAGRAMMATIC ONLY AND LOCATIONS SHALL BE ADJUSTED FOR EXISTING FIELD CONDITIONS, BUT NO MAJOR ALTERATIONS OR RELOCATIONS WILL BE MADE WITHOUT FIRST CONSULTING WITH THE TRAFFIC ENGINEERING DIVISION AT (405) 521-2681.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE O.D.O.T. STANDARDS AND DETAIL DRAWINGS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

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 UTILITIES REGISTERED IN THE AREA OF CONSTRUCTION LISSTED WITH THE FOLLOWING AGENCIES:
THE "OKIE" NOTIFICATION CENTER 811 OR 1-800-522-6543 OR WWW.CALLOKIE.COM OT THE LOCAL COUNTY CLERK'S OFFICE. DEPTH OF THE EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO MAKE THE ELECTRICAL CONNECTIONS TO THE EXISTING WVERHEAD SIGN STRUCTURES AND LIGHTS WILL BE PAID FOR AT THE UNIT PRICE BID FOR THE REQUIRED MATERIALS TO MAKE THE COMPLETED CONNECTIONS.

THE CONTRACTOR SHALL CONTACT THE BRIDGE DIVISION OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION FOR QUESTIONS CONCERNING COMPLIANCE AND INTERPRETATIONS TO THE A.A.S.H.T.O. "STANDARDS SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS".

THE CONTRACTOR SHALL COOPERATE WITH THE ENGINEER, THE CITY AND THE LOCAL UTILITY CO. TO KEEP THE EXISTING LIGHTING SYSTEM IN SERVICE AS MUCH AS POSSIBLE WHILE DOING THE WORK SPECIFIED BY THE CONTRACT. IF TEMPORARY CONNECTIONS ARE FEASIBLE AND JUSTIFIABLE, THE ENGINEER MAY REQUIRE THAT THE CONTRACTOR PROVIDE THESE TEMPORARY POWER CONNECTIONS. TEMPORARY CONNECTIONS WILL BE PAID FOR AT THE UNIT BID FOR THE MATERIAL USED.

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

THE ANCHOR BOLT SIZE AND CONFIGURATION SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE NEW LIGHT POLES BASE PLATES WILL BE BUILT TO FIT ANY EXISTING POLE FOOTING. IN THE EVENT ANY EXISTING POLE FOOTING REQUIRES MODIFICATION TO ACCOMMODATE THE NEW LIGHT POLE OR IF ANY LIGHT POLE BASE PLATE REQUIRES MODIFICATION, THE CONTRACTOR SHALL SUBMIT DRAWINGS OF THE MODIFICATIONS TO THE BRIDGE DIVISION FOR APPROVAL BEFORE PERFORMING THE MODIFICATIONS. ALL COST FOR THE MODIFICATIONS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A BOLT CIRCLE TEMPLATE(S). THE TEMPLATE(S) SHALL BE 1/4" THICK STEEL PLATE(S), AND PERMANENTLY LABELED WITH THE CONTRACTOR'S COMPANY NAME, BOLT CIRCLE DIAMETER AND THE ANCHOR BOLT DIAMETER. THE COST OF THE TEMPLATE(S) SHALL BE PAID FOR IN OTHER ITEMS OF WORK.

PRIOR TO CONSTRUCTION OF FOOTINGS THE CONTRACTOR SHALL VISUALLY INSPECT THE PLAN LOCATION OF ALL HIGH MAST TOWERS AND CONVENTIONAL LIGHT POLES FOR PROPER OVERHEAD WIRE CLEARANCE. THESE CLEARANCES SHALL BE IN ACCORDNCE TO THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) SECTION 191. THERE SHALL BA AMINIMUM RADII OF 10 FOOT CLEARANCE OF ANY OVERHEAD INES FROM THE CLOSEST POINT ON THE LIGHT POLE. ANY NEW FOOTINGS PUT IN CLOSER THAN THIS 10 FOOT MINIMUM SHALL BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR, INCLUDING REMOVAL OF THE FOOTING AND ALL MATERIALS TO CONSTRUCT THE NEW FOOTING.

DESIGN	SFF	6/14	TULSA & ROGERS COUNTIES
DRAWN	SFF	6/14	
CHECKED	WBG	2/15	
APPROVED			
SQUAD	GARVER		

SUMMARY OF PAY QUANTITIES AND NOTES (LIGHTING)

STATE JOB NO. 21899(04) SHEET NO. 17