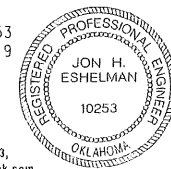


OKLAHOMA DEPARTMENT OF TRANSPORTATION					
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
#	OKLA.	28839(04) 32530(04)			
REVISIONS				DATE	
DESCRIPTION					

- (45) POLYMER CONCRETE PULL BOXES SHALL BE USED.
- (46) THE HAND HOLES AT THE BASE OF THE POLES SHALL BE PLACED AT 135 DEGREES CLOCKWISE FROM THE MAST ARM IN ORDER TO AVOID CONFLICTS WITH THE PEDESTRIAN PUSH BUTTONS AND SIGNS BEING INSTALLED ON THIS PROJECT.
- (47) THIS PAY ITEM IS TO BRING POWER TO THE CONTROLLER CABINET FROM THE SERVICE POLE.
- (48) THE PRICE BID FOR THIS PAY ITEM SHALL INCLUDE ALL ITEMS NECESSARY FOR THE INSTALLATION OF A HAWK SIGNAL SYSTEM.
- CONTROLLER CAPABLE OF PERFORMING AS SHOWN IN THE SEQUENCE AND TIMING SCHEDULE IN THE PLANS.
- TWO-PHASE TERMINAL FACILITY MODIFIED TO PROVIDE THE HAWK SIGNAL SEQUENCE, INCLUDING LOAD SWITCHES, FLASHERS, FLASH TRANSFER RELAY, AND CONFLICT MONITOR.
- ALL ITEMS TO BE ENCLOSED IN A SIZE "K" ALUMINUM CABINET CONFIGURED FOR SIDE OF POLE MOUNTING AND INCLUDING MOUNTING BRACKETS. THE CABINET SHALL CONTAIN 8 LOAD SWITCH POSITIONS ON THE BACK PANEL IN ORDER TO SERVE THE SPECIAL PHASING OF THE SOLID/ALTERNATE FLASHING RED LIGHTS AT THIS SIGNAL.
- FOUR SINGLE SECTION 12" YELLOW LED SIGNAL ASSEMBLY. HOUSING, DOORS AND VISORS TO BE BLACK.
- EIGHT SINGLE SECTION 12" RED LED SIGNAL ASSEMBLY. HOUSING, DOORS AND VISORS TO BE BLACK.
- FOUR HAWK SIGNAL MOUNTING BRACKET ASSEMBLY CONSISTING OF AB0186-96 ASTRO-BRAC INCLUDING ALL NECESSARY CONNECTING HARDWARE.
- FOUR MULTI-PIECE ALUMINUM BACKPLATE FOR HAWK SIGNAL CONFIGURATION.
- TWO PEDESTRIAN PUSH BUTTON ASSEMBLY. HOUSING TO BE YELLOW.
- TWO PEDESTRIAN SIGNAL HEADS COUNTDOWN -TYPE. HOUSING TO BE BLACK.
- (49) CONTRACTOR SHALL PROVIDE POLARA 2-WIRE NAVIGATOR ACCESSIBLE PEDESTRIAN SIGNAL PUSH BUTTON OR APPROVED EQUAL. R10-3E PEDESTRIAN PUSH BUTTON SIGNS SHALL BE USED.
- (50) RED, YELLOW AND GREEN LED TRAFFIC SIGNAL HEADS 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 (VTC SH) STANDARDS IN EFFECT AT THE TIME THAT THE ORDER IS PLACED. LED HEADS SHALL BE CAPABLE OF OPERATING WITHOUT A REFLECTOR.
- THEY SHALL HAVE AN INCANDESCENT "LOOK".
- (51) LED INTERNATIONAL HEADS DISPLAYING INCANDESCENT LOOKING FULLY-ILLUMINATED SYMBOLS (WALKING PERSON AND UPRAISED HAND) SHALL BE REQUIRED ON THIS PROJECT.
- THESE PEDESTRIAN HEADS SHALL ALSO BE COUNTDOWN TYPE HEADS.
- (52) PAY ITEM IS TO RUN FROM THE PEDESTRIAN PUSH BUTTONS TO THE TERMINAL STRIP AT THE BASE OF THE POLES.
- (53) MAST ARM MOUNTED STREET NAME SIGNS SHOWN ON THE PLANS ARE LARGER THAN THE MAXIMUM SIZE USED IN STANDARD ODOT POLE AND FOOTING DESIGNS. THE CONTRACTOR AND SUPPLIER SHALL PROVIDE CERTIFICATION AND DESIGN CALCULATIONS FOR HIGHER LOADING REQUIREMENTS.
- (54) REFLECTIVE SHEETING SHALL BE EITHER 3M BRAND DG3 (SERIES 4000) SHEETING OR AN ASTM CLASS XI APPROVED EQUAL.
- (55) GROUND MOUNT SIGNS SHALL BE FLUORESCENT YELLOW-GREEN. THEY SHALL INCLUDE:  
FOUR W11-15 (30X30)  
TWO W16-7P (24X12)  
TWO W16-9P (24X12)
- (56) THE FINAL FINISH FOR THE FOLLOWING ITEMS SHALL BE BLACK POWDER COAT.  
(1) TRAFFIC SIGNAL POLES AND MAST ARMS  
(2) MAST ARM SIGNAL AND SIGN SUPPORT BRACKETS  
(3) CONTROL CABINET (SIDE OF POLE MOUNTED)  
(4) CONTROL CABINET MOUNTING BRACKETS  
(5) ELECTRICAL SERVICE HARDWARE (IF MOUNTED ON SIGNAL POLE)
- STAINLESS STEEL BANDING STRAPS OR CABLES SHALL NOT BE POWDER COATED.

C:\0\Projects\10-735 Osage Prairie Trail\10-735 Osage Prairie Trail.dgn

*Jon Eshelman*  
 JON H. ESHELMAN, P.E. # 10253  
 C. A. # 1160, RENEWAL 06-30-19  
 6/16/17  
 DATE  
 10253  
 Traffic Engineering Consultants, Inc.  
 6931 S. 66th E. Ave., Suite 100 - Tulsa, OK 74133,  
 Ph: 918-481-8484, Fax: 918-481-3163, Web: www.tecok.com



Osage Prairie Trail Extension			PREPARED BY: LANDPLAN CONSULTANTS 1119 West 23rd Street TULSA, OK 74107 918-584-5464
Design	JHE	06/16/17	<b>SIGNAL PAY QUANTITIES &amp; NOTES</b> <b>W. ROGERS BLVD. (S.H 20) (2 of 2)</b>  State Job No. 28839 (04), 32530 (04) Sheet No. 23 of 32
Drawn	CCC	06/16/17	
Checked	JHE	06/16/17	
Approved			
Squad	TEC		