


TRAFFIC SIGNAL PAY QUANTITY NOTES

REVISION DESCRIPTION	DATE
 Changed project number on all sheets from STPG-214D(075)AG, to, STPG-214B(075)AG.	15 Aug 2016

(25) THIS BID ITEM CONSISTS OF THE INSTALLATION OF FOUR MAST ARM MOUNTED INTEGRATED THERMAL TRAFFIC SENSORS, ASSOCIATED WIRING/CABLES, INTERFACE PANELS, NEMA TS-2 SDLC CONTROLLER INTERFACE MODULES AND ALL OTHER NECESSARY ITEMS OF WORK FOR A COMPLETE OPERATIONAL VEHICLE DETECTION SYSTEM. THE INTEGRATED THERMAL TRAFFIC SENSORS SHALL UTILIZE FORWARD LOOKING INFRARED CAMERA TECHNOLOGY AND DETECTION PROCESSING WITHIN THE SINGLE SENSOR WITHOUT REQUIRING DETECTION PROCESSORS IN THE TRAFFIC CONTROLLER CABINET, AND SHALL BE ABLE TO DETECT AND REPORT PRESENCE OF VEHICLES 24 HOURS PER DAY WITHOUT NEEDING ARTIFICIAL LIGHTING IN ALL WEATHER AND NATURAL LIGHTING CONDITIONS WITHIN A 17, 25, 35, OR 90 DEGREE FIELD OF VIEW INTEGRATED THERMAL TRAFFIC SENSORS SHALL BE ABLE TO DETECT AND REPORT PRESENCE IN CURVED LANES AND AREAS WITH ISLANDS AND MEDIANS. THE INTEGRATED THERMAL TRAFFIC SENSORS SHALL UTILIZE ONLY THREE CONDUCTOR WIRES FOR POWER AND COMMUNICATIONS AND SHALL NOT REQUIRE COAXIAL CABLE. FIELD SETUP SHALL BE DONE USING A SETUP COMPUTER RUNNING MICROSOFT WINDOWS 7/WINDOWS 8 OR A TOUCH-SCREEN TABLET RUNNING WINDOWS SURFACE PRO OPERATING SYSTEM. INTERFACE SOFTWARE SHALL BE PROVIDED TO THE CITY AT NO ADDITIONAL COST. CONTRACTOR SHALL NOT BE REQUIRED TO PROVIDE A SETUP COMPUTER OR TABLET UNLESS SPECIFICALLY CALLED OUT ELSEWHERE IN THE PROJECT SPECIFICATIONS.

SUPPLIER OF INTEGRATED THERMAL TRAFFIC SENSORS SHALL VERIFY SENSOR FIELD OF VIEW ANGLE REQUIRED FOR INDIVIDUAL APPROACHES BASED ON PROJECT PLANS AND/OR SITE SURVEY PRIOR TO ORDERING EQUIPMENT.

CABINET INTERFACE FOR THE SYSTEM SHALL BE LIMITED TO A POWER/COMMUNICATIONS INTERFACE PANEL, ETHERNET COMMUNICATIONS EDGE CARD USING BROADBAND - OVER - POWER (BPL) TECHNOLOGY, AND A TS-2 SDLC MODULE AND SHALL BE COMPATIBLE WITH STANDARD NEMA TS-1 AND TS-2 LOOP DETECTOR CARD RACKS. TS-2 SDLC MODULE SHALL BE CONFIGURED SO THAT VEHICLE AND BICYCLE DETECTION OUTPUTS ARE ASSIGNED STARTING WITH TS-2 DETECTOR INPUT #17. DETECTOR INPUTS 1 THROUGH 16 ARE RESERVED FOR TECHNICIAN PANEL DETECTOR TEST SWITCHES AND SHALL NOT BE USED FOR INTEGRATED THERMAL TRAFFIC SENSOR INTERFACE.

(26) R10-3E PEDESTRIAN PUSH BUTTON SIGNS SHALL BE USED.

(27) THE CITY OF OKLAHOMA CITY WILL PROVIDE THE SIGNAL CONTROLLER TIMING PLAN. CONTACT THE TRAFFIC MANAGEMENT DIVISION AT LEAST TEN (10) WORKING DAYS PRIOR TO THE ANTICIPATED TURN - ON DATE. THE CONTRACTOR SHALL PROVIDE, PROGRAM AND PLACE TWO (2) CHANGEABLE MESSAGE BOARDS ON SW 119th ST. ADVISING MOTORISTS OF THE IMPENDING SIGNAL TURN ON. THESE SIGNS SHALL BE IN OPERATION AT LEAST TWO (2) WORKING DAYS PRIOR TO THE ANTICIPATED TURN ON DATE AND THE MESSAGE DISPLAYED SHALL BE FURNISHED BY THE TRAFFIC MANAGEMENT DIVISION.

THE CONTRACTOR IS RESPONSIBLE FOR COVERING ALL EXISTING CITY OWNED AND PRIVATELY OWNED STOP SIGN(S) AND RELATED WARNING SIGNS AT THE INTERSECTION AT THE TIME THAT THE TRAFFIC SIGNAL IS AUTHORIZED TO BE TURNED ON.

THE STOP SIGN(S) AND RELATED WARNING SIGNS SHALL BE COVERED WITH AN OPAQUE PLASTIC TARP OR HEAVY PLASTIC SHEETING SECURELY WRAPPED WITH DUCT TAPE SO AS NOT TO BE EASILY REMOVABLE OR BLOWN OFF BY WIND. THE TAPE SHALL ONLY BE APPLIED TO THE COVERING AND NOT DIRECTLY TO THE FACE OR THE BACK OF THE SIGN AFTER THE SIGNAL IS TURNED ON, OKLAHOMA CITY TRAFFIC OPERATIONS WILL REMOVE ALL EXISTING CITY OWNED STOP SIGNS AND RELATED WARNING SIGNS. ALL PRIVATELY OWNED SIGNS WILL BE REMOVED BY OTHERS.

(28) CONTRACTOR SHALL PROVIDE POLORA 2 - WIRE NAVIGATOR ACCESSIBLE PEDESTRIAN SIGNAL PUSH BUTTON OR APPROVED EQUAL.

(29) ONE-WAY ONE SECTION LED COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL BE USED.

(30) THIS PAY ITEMS SHALL INCLUDE ONE CENTRAL CONTROL UNIT COMPATIBLE WITH THE POLARA 2 - WIRE NAVIGATOR ACCESSIBLE PEDESTRIAN SIGNAL

(31) THE AMOUNT SHOWN IS AN APPROXIMATION AND THE ACTUAL AMOUNT OF REMOVAL, IF NECESSARY, SHALL BE DETERMINED BY THE ENGINEER.

THE PAVEMENT MARKING TO BE REMOVED SHALL BE CONSIDERED THERMOPLASTIC AND BID ACCORDINGLY.

DURING REMOVAL OF EXISTING STRIPING AND REPLACEMENT WITH NEW STRIPING, PERMANENT STRIPING SHALL BE REPLACED WITHIN 48 HOURS AFTER OLD STRIPING IS REMOVED.

(32) 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 City of
Oklahoma City
Public Works Department
Traffic Management Division



PROJECT NO
STPG-214 B(075)AG

JOB PIECE NO.
31566(04)

DESIGNED BY: xxx

DRAWN BY: TYN

APPROVED BY: XXXX

DATE: MM/DD/YY

PAY QUANTITIES AND NOTES
S PORTLAND AVE & SW 119th ST