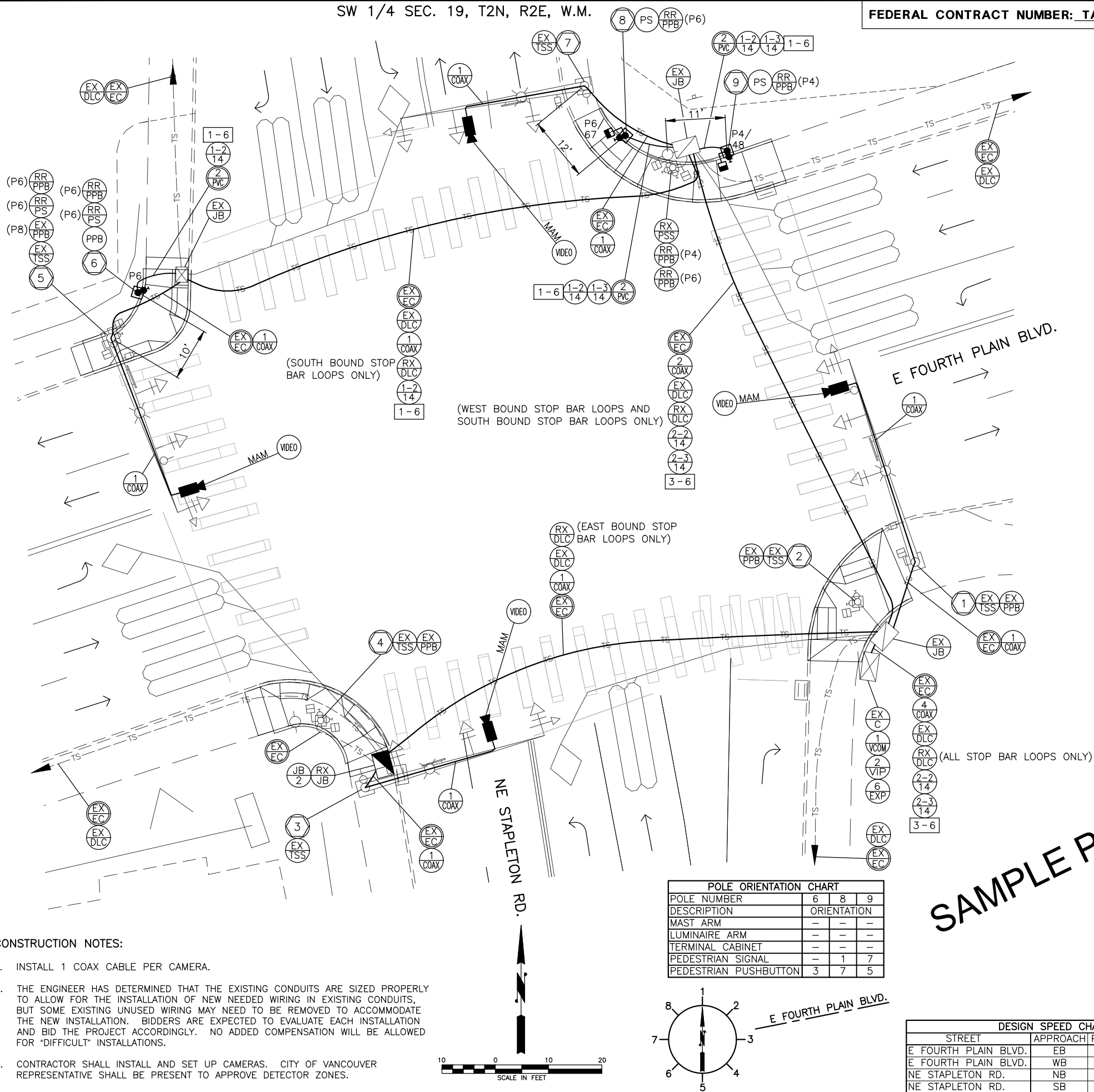


SW 1/4 SEC. 19, T2N, R2E, W.M.

FEDERAL CONTRACT NUMBER: TA-4162

FEDERAL AID NUMBER: ARRA-9906 (028)



CONSTRUCTION NOTES:

1. INSTALL 1 COAX CABLE PER CAMERA.
2. THE ENGINEER HAS DETERMINED THAT THE EXISTING CONDUITS ARE SIZED PROPERLY TO ALLOW FOR THE INSTALLATION OF NEW NEEDED WIRING IN EXISTING CONDUITS, BUT SOME EXISTING UNUSED WIRING MAY NEED TO BE REMOVED TO ACCOMMODATE THE NEW INSTALLATION. BIDDERS ARE EXPECTED TO EVALUATE EACH INSTALLATION AND BID THE PROJECT ACCORDINGLY. NO ADDED COMPENSATION WILL BE ALLOWED FOR "DIFFICULT" INSTALLATIONS.
3. CONTRACTOR SHALL INSTALL AND SET UP CAMERAS. CITY OF VANCOUVER REPRESENTATIVE SHALL BE PRESENT TO APPROVE DETECTOR ZONES.

LEGEND

- (#) POLE NUMBER (#) SHOWN, SEE SCHEDULE BELOW.
- (EX C) RETAIN AND PROTECT EXISTING CONTROLLER CABINET.
- (EX TSS) RETAIN AND PROTECT EXISTING TRAFFIC SIGNAL STANDARD.
- (EX JB) RETAIN AND PROTECT EXISTING JUNCTION BOX.
- (EX DLC) RETAIN AND PROTECT EXISTING DETECTOR LOOP FEEDER CABLES.
- (EX COAX) RETAIN AND PROTECT EXISTING COAXIAL CABLE FOR SYSTEM VIDEO DETECTION.
- (EX VIDEO) RETAIN AND PROTECT EXISTING DETECTION CAMERA.
- (EX PPB) RETAIN AND PROTECT EXISTING PEDESTRIAN PUSHBUTTON.
- (EX EC) RETAIN AND PROTECT EXISTING ELECTRICAL CONDUIT.
- (RX DLC) REMOVE EXISTING DETECTOR LOOP FEEDER CABLES.
- (RX JB) REMOVE EXISTING JUNCTION BOX.
- (RX FO) REMOVE EXISTING FIBER OPTIC JUNCTION BOX, PROTECT FIBER OPTIC EQUIPMENT.
- (RX PPB) REMOVE EXISTING PEDESTRIAN PUSHBUTTON.
- (RX PSS) REMOVE EXISTING PEDESTRIAN STANDARD. SALVAGED EQUIPMENT SHALL BE DELIVERED TO CITY OF VANCOUVER OPERATIONS. CONTACT KEVAN BATTAN 48 HOURS IN ADVANCE FOR DELIVERY LOCATION.
- (RR PS) REMOVE AND RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD.
- (RR PPB) REMOVE AND RELOCATE EXISTING PEDESTRIAN SIGNAL PUSHBUTTON.
- (VIDEO) INSTALL VIDEO CAMERA ON MAST ARM (MAM) AS SHOWN FOR SYSTEM DETECTION. ALIGN VIDEO CAMERA WITH LEFT TURN TRAFFIC LANE OR ON LUMINAIRE ARM (LAM) FOR ADVANCED DETECTION. SEE DETAILS T20-37, T20-37B AND T20-37C ON SHEET D07.
- (# COAX) INSTALL (#) OF COAXIAL CABLES FOR SYSTEM VIDEO DETECTION. SEE SPECIFICATIONS.
- (# VCOM) INSTALL (#) TRAFFICON VIEWCOM E MAX COMMUNICATION BOARD IN EXISTING CONTROLLER CABINET.
- (JB 2) INSTALL TYPE 2 JUNCTION BOX, SEE WSDOT STANDARD PLAN J-40.10-00 ON SHEET D06. MATCH JUNCTION BOX LID ELEVATION TO NEW SIDEWALK GRADE. ADJUST EXISTING CONDUIT TO MAINTAIN MINIMUM CLEARANCE OF 6 INCHES BETWEEN TOP OF CONDUIT AND JUNCTION BOX LID.
- (S T) INSTALL (S) INCH, (T) TYPE ELECTRICAL CONDUIT. CONDUIT LOCATION SHOWN AS APPROXIMATE ONLY. FINAL LOCATION TO BE DETERMINED IN THE FIELD.
- (PB PH) INSTALL PHASE (PH) COUNTDOWN PED SIGNAL WITH LEDS (TYPE E MOUNT), PUSHBUTTON, AND INSTRUCTION SIGN.
- (PPB PH) INSTALL PEDESTRIAN PUSHBUTTON POST WITH PHASE (PH) PUSHBUTTON AND INSTRUCTION SIGN. SEE DETAILS T20-05, T20-09A, T20-06C AND T20-16 ON SHEET D06.
- (PPB) INSTALL PEDESTRIAN SIGNAL STANDARD, TYPE PPB. SEE DETAIL T20-05.
- (PS) INSTALL PEDESTRIAN SIGNAL STANDARD, TYPE PS. SEE DETAIL T20-05.
- (X-G) INSTALL (X) CONTROL CABLES WITH (#) AWG. NO. (G) CONDUCTORS.
- (#-G) INSTALL (#) AWG. NO. (G) STRANDED COPPER WIRE (GROUNDING).
- (# EXP) INSTALL (#) VIDEO IMAGE PROCESSOR EXPANSION BOARDS TRAFICON 4 I/O "S": ID-4420.
- (# VIP) INSTALL (#) TRAFICON VIP3D.2 "S" 10-4320 RACK MOUNTED VIDEO DETECTION PROCESSORS.
- (VDR) INSTALL 6 POSITION VIDEO DETECTION RACK WITH POWER SUPPLY. SEE SPECIFICATIONS.

= NUMBER OR LETTER SHOWN
X = NUMBER OF CABLES SHOWN
PH = PHASE SHOWN
G = AWG SIZE SHOWN
S = SIZE SHOWN
T = TYPE SHOWN
PVC = SCH 40 PVC PIPE
LAM = LUMINAIRE ARM MOUNT
MAM = MAST ARM MOUNT

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CHRISTOFFERSON
WASHINGTON
REGISTERED
PROFESSIONAL
ENGINEER
NO. 15114
STATE OF WASH.

DATE: MARCH 2010
DESIGNED BY: CJC
DRAWN BY: RAW
CHECKED BY: CJC
APPROVED BY: AGE
REVISIONS

DRAWING NUMBER: S07-S13
SCALE
HORIZONTAL: AS SHOWN
VERTICAL: AS SHOWN

2010 ARTERIAL RESURFACING PROJECT
SIGNAL MODIFICATION
NE STAPLETON RD. AT
E FOURTH PLAIN BLVD.

PROJECT NUMBER
071239
TASK NUMBER
06.19.00
S06
24 OF 55