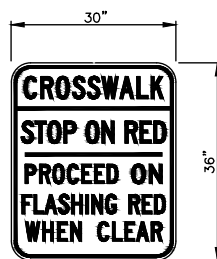
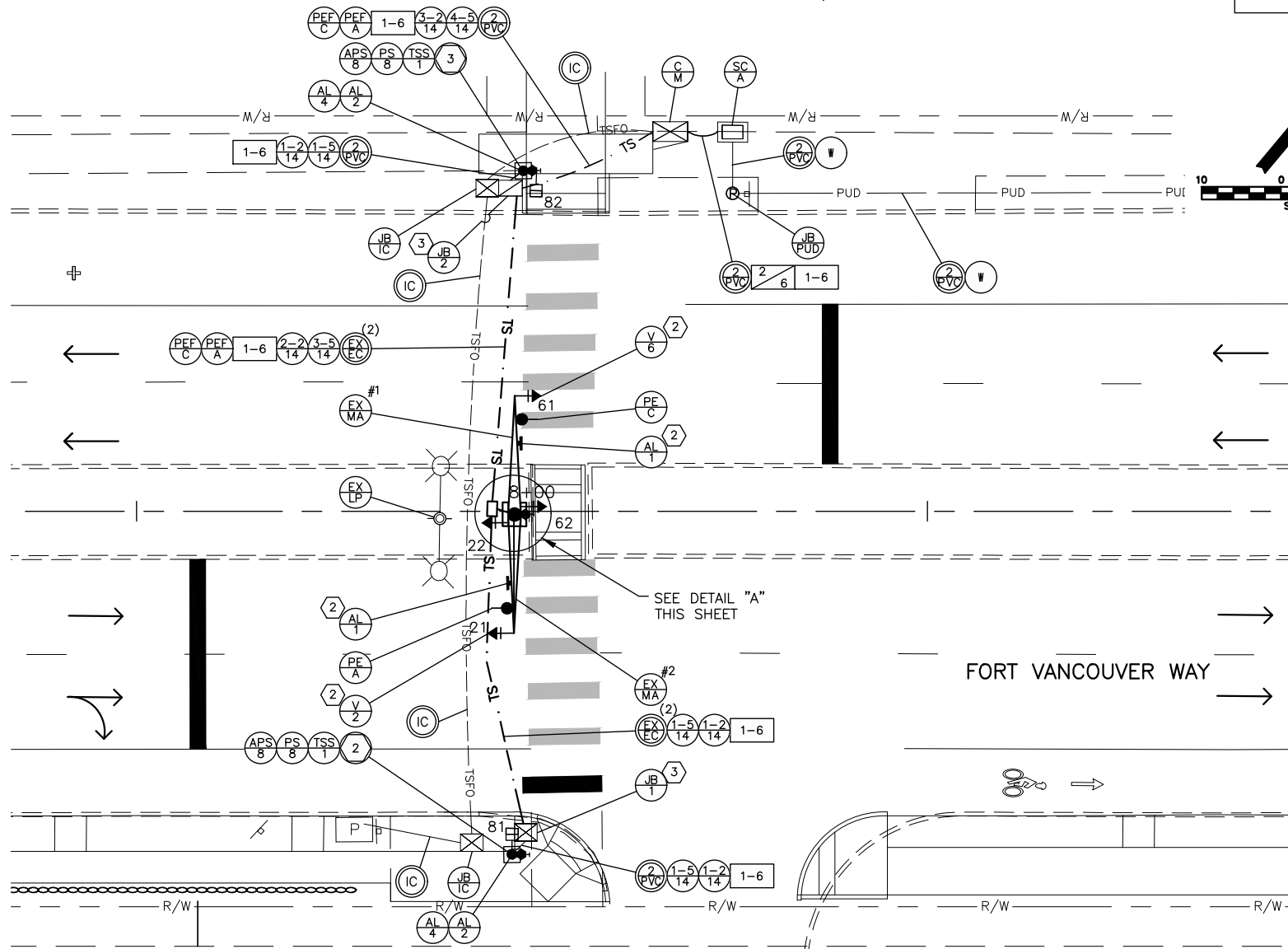


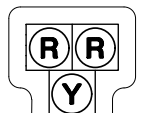
NW 1/4 SEC. 26, T2N, R1E, W.M.

FEDERAL CONTRACT NUMBER: TA-5946

FEDERAL AID NUMBER: CM-9906 (047)



AL R10-5 (MODIFIED)

SIGNAL HEAD
ASPECT
CONFIGURATION

21,22,61,62



AL W11-2



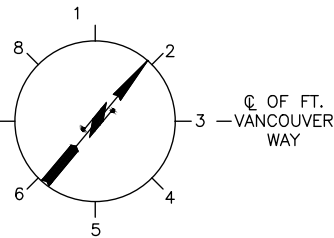
AL W16-7PR



AL W16-7PL


CLARK
COLLEGE
DRIVEWAY

POLE ORIENTATION CHART				
POLE NUMBER	1	2	3	
DESCRIPTION	ORIENTATION			
VEHICLE SIGNALS	3/7	-	-	-
SIGN #2 AND #3	3/7	-	-	-
PEDESTRIAN SIGNAL	-	3	3	
PEDESTRIAN PUSHBUTTON	3	3	3	



OPERATION DIAGRAM					
MOVEMENTS	← 06 → 02 VEHICLE		← 06 → 06 VEHICLE CLEARANCE		↑ 08 ↓ 08 PEDESTRIAN
	VEHICLE SIGNALS 21,22,61&62		FLASHING YELLOW	SOLID YELLOW	SOLID RED
PEDESTRIAN SIGNALS #81 & 82	DARK		FLASHING YELLOW	SOLID YELLOW	SOLID RED
	DON'T WALK		DON'T WALK	WALK	FLASHING DON'T WALK

TRAFFIC SIGNAL AND LIGHTING POLE SCHEDULE

INTERSECTION AND LOCATION	OFFSET (N)	POLE 	DIMENSIONS (FT.) (Z)												WIND LOAD AREA (FT²) (X)(Y)										(X)(Y)(Z) TOTAL (FT³)	FOUNDATION DEPTH (FT.)		COMMENTS
			A	B	C	D	E	F	G	H	I	L	A	B	C	D	E	F	G	H	I							
			3' RD.	4' RD.																								
FORT VANCOUVER WAY (MAST ARM #1)	00.00' LT	(1)	15	9	1	—	—	—	6	—	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
FORT VANCOUVER WAY (MAST ARM #2)	00.00' RT	(1)	15	9	1	—	—	—	6	—	—	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
FORT VANCOUVER WAY STA 07+97.50	43.38' RT.	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
FORT VANCOUVER WAY STA 07+98.89	43.06' LT	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

(#)= EXISTING POLE - TO REMAIN

POLES

- (#) POLE NUMBER (#) SHOWN.
- (EX TSS) RETAIN AND PROTECT EXISTING TRAFFIC SIGNAL STANDARD.
- (TSS T) INSTALL TRAFFIC SIGNAL STANDARD, TYPE (T).
- (MA EX) RETAIN AND PROTECT EXISTING MAST ARM.
- (EX LP) EXISTING LUMINAIRE POLE, SEE LIGHTING PLANS.

SIGNALS

- (V PH) INSTALL PHASE (PH) VEHICLE SIGNAL WITH LEDS.
- (PS PH) INSTALL PHASE (PH) COUNTDOWN PEDESTRIAN SIGNAL HEAD LEDS, MOUNT ON TRAFFIC SIGNAL STANDARDS. SEE DETAIL T20-09D.
- (APS PH) INSTALL PHASE (PH) ACCESSIBLE PEDESTRIAN SIGNAL PUSH BUTTON (POLARA 2-WIRE NAVIGATOR PUSH BUTTON STATION). PEDESTRIAN PUSH BUTTONS SHALL BE EQUIPPED WITH LOCATOR TONE DURING "DON'T WALK", TACTILE ARROW, SPEECH WALK MESSAGE FOR WALK PHASE AND SPEECH PUSH BUTTON INFO MESSAGE MINIMUM HEIGHT OF 3'-6" MAXIMUM HEIGHT OF 4'-0". PLUG HOLES WITH A 3-PIECE KNOCK-OUT SEAL. SEE DETAIL T20-09B, T20-10A.
- (L EXT) INSTALL PEDESTRIAN PUSHBUTTON EXTENSION, LENGTH (L), FIELD VERIFY LENGTH PRIOR TO ORDERING. SEE DETAIL T20-09E ON SHEET S03.
- (PE CH) INSTALL CHANNEL (CH) EMERGENCY VEHICLE PRE-EMPTION DETECTOR UNIT. SEE DETAIL T20-11.

CONTROLLERS

- (C M) INSTALL COV NEMA TYPE "M" HAWK SIGNAL CABINET, FOUNDATION AND 2070 WITH NAZTEC/TRAFFICWARE SOFTWARE, W/1C CARD. SEE DETAILS T20-38, T20-46A THRU T20-46E AND T20-44 ON SHEETS S03 AND S04.

JUNCTION BOXES

- (JB 1) INSTALL TYPE 1 JUNCTION BOX WITH CONCRETE APRON. SEE WSDOT STANDARD PLAN J-40.10-03.
- (JB 2) INSTALL TYPE 2 JUNCTION BOX WITH CONCRETE APRON. SEE WSDOT STANDARD PLAN J-40.10-03.
- (JB PUD) INSTALL JUNCTION BOX AS REQUIRED BY C.P.U.D.
- (JB IC) JUNCTION BOX WITH INTERCONNECT. SEE INTERCONNECT PLAN.

CONDUIT

- (S EX EC) RETAIN AND PROTECT EXISTING (S=SIZE) ELECTRICAL CONDUIT.
- (S) INSTALL (S) INCH, (T) TYPE ELECTRICAL CONDUIT. CONDUIT LOCATION SHOWN AS APPROXIMATE ONLY. FINAL LOCATION TO BE DETERMINED IN THE FIELD AND APPROVED BY ENGINEER.
- (IC) INTERCONNECT CONDUIT. SEE INTERCONNECT PLAN.

WIRES

- (X-G) INSTALL (X) CONTROL CABLES WITH (#) AWG. NO. (G) CONDUCTORS.
- (PEF CH) INSTALL CHANNEL (CH) EMERGENCY VEHICLE PRE-EMPTION FEEDER CABLE.
- (#-G) INSTALL (#) AWG NO. (G) CONDUCTORS.
- (#-G) INSTALL (#) AWG. NO. (G) STRANDED COPPER WIRE (GROUNDING).
- (W) INSTALL WIRING PER C.P.U.D. REQUIREMENTS.

SIGNS

- (AL #) INSTALL OVERHEAD REGULATORY SIGN (#) ON MAST ARM. SEE THIS SHEET.

CABINETS

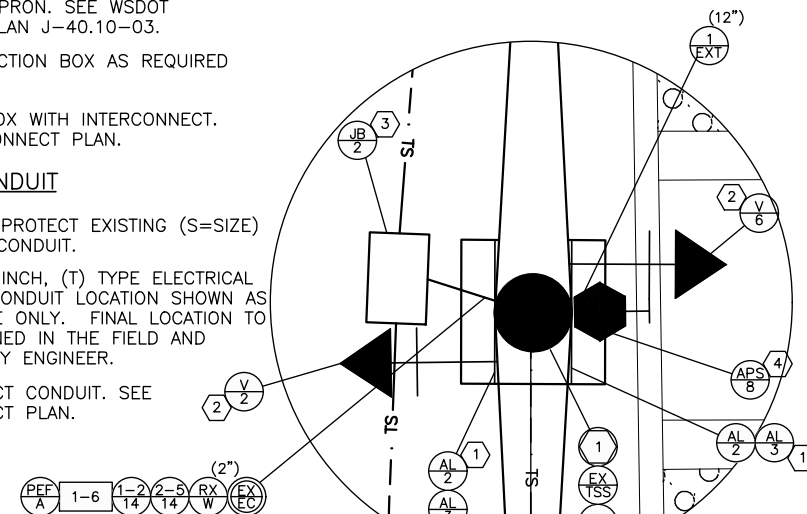
- (SC A) INSTALL ALTERNATE (WITH BATTERY BACK-UP) SERVICE CABINET AND FOUNDATION. SEE DETAILS T20-40A, T20-40B, AND T20-41.
- (TC) INSTALL TERMINAL CABINET ON TSS.

ABBREVIATIONS

- # = NUMBER SHOWN
X = NUMBER OF CABLES SHOWN
PH = PHASE SHOWN
T = TYPE SHOWN
S = SIZE SHOWN
G = AWG SIZE SHOWN
RM = RIGID METAL PIPE
PVC = SCH. 40 PVC PIPE
HDPE = HIGH DENSITY POLYETHYLENE PIPE
L = LENGTH SHOWN
M = WSDOT TYPE "M" ARM MOUNT

CONSTRUCTION NOTES:

- 1 MOUNT ON TSS.
- 2 MOUNT ON MAST ARM.
- 3 INSTALL NEW JUNCTION BOX ON EXISTING CONDUITS.
- 4 DOUBLE ARROW BUTTON OPTION REQUIRED.

DETAIL "A"
N.T.S.

ICU# 336

CALL
2 BUSINESS DAYS
BEFORE YOU DIG
1-800-424-5555
"It's the Law"



PUBLIC WORKS
TRANSPORTATION
P.O. BOX 1995
VANCOUVER, WA
98668-1995
360-487-7750
FAX: 360-487-4781



DRAWING NO.	DATE	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	REVISIONS
S01-S03.DWG	August 2018	BSC	BSC	RAM	HUS	
SCALE						
HORIZONTAL: AS SHOWN						
VERTICAL: AS SHOWN						
DATE	No.					

BRT CORRIDOR PROJECT
FORT VANCOUVER WAY AND E. MCLOUGHLIN BLVD
SIDEWALK INFILL AND PEDESTRIAN SIGNAL UPGRADE
FORT VANCOUVER WAY
PEDESTRIAN SIGNAL PLAN

PROJECT NUMBER
071457
TASK NUMBER
06.10.80
302
10 OF 40