

CITY OF TACOMA Public Works Engineering

ADDENDUM NO. 02

DATE: 11/03/2020

REVISIONS TO: Request for Bids Specification No. PW20-0261F S 19th St Signal & Crosswalk Improvements at Yakima Ave and Tacoma Ave

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline is unchanged.

REVISIONS TO THE GENERAL INFORMATION AND REQUIREMENTS:

Submittal Opening: Submittals in response to a RFB will be recorded as received. As soon as possible on the day of submittal deadline, preliminary results will be posted to <u>www.TacomaPurchasing.org</u>.

This public bid opening will be held via webinar only. Registration is required to attend. Register in advance for this webinar:

https://us02web.zoom.us/webinar/register/WN_x9H2NE75Q2mvwfhFGD4d1w After registering, you will receive a confirmation email containing information about joining the webinar.

REVISIONS TO THE PLANS:

The following plan sheets have been reprinted to address legibility issues: SG-01, SG-03, SG-04, SG-06

REVISIONS TO THE SPECIFICATIONS:

Revise Section 1-06 "Buy America" to correct foreign steel amounts, as attached.

QUESTIONS AND ANSWERS:

Question 1: Missing plans: sheets HC-01 & D-01

Answer 1: References to HC-01 and D-01 removed from cover sheet of plan set.

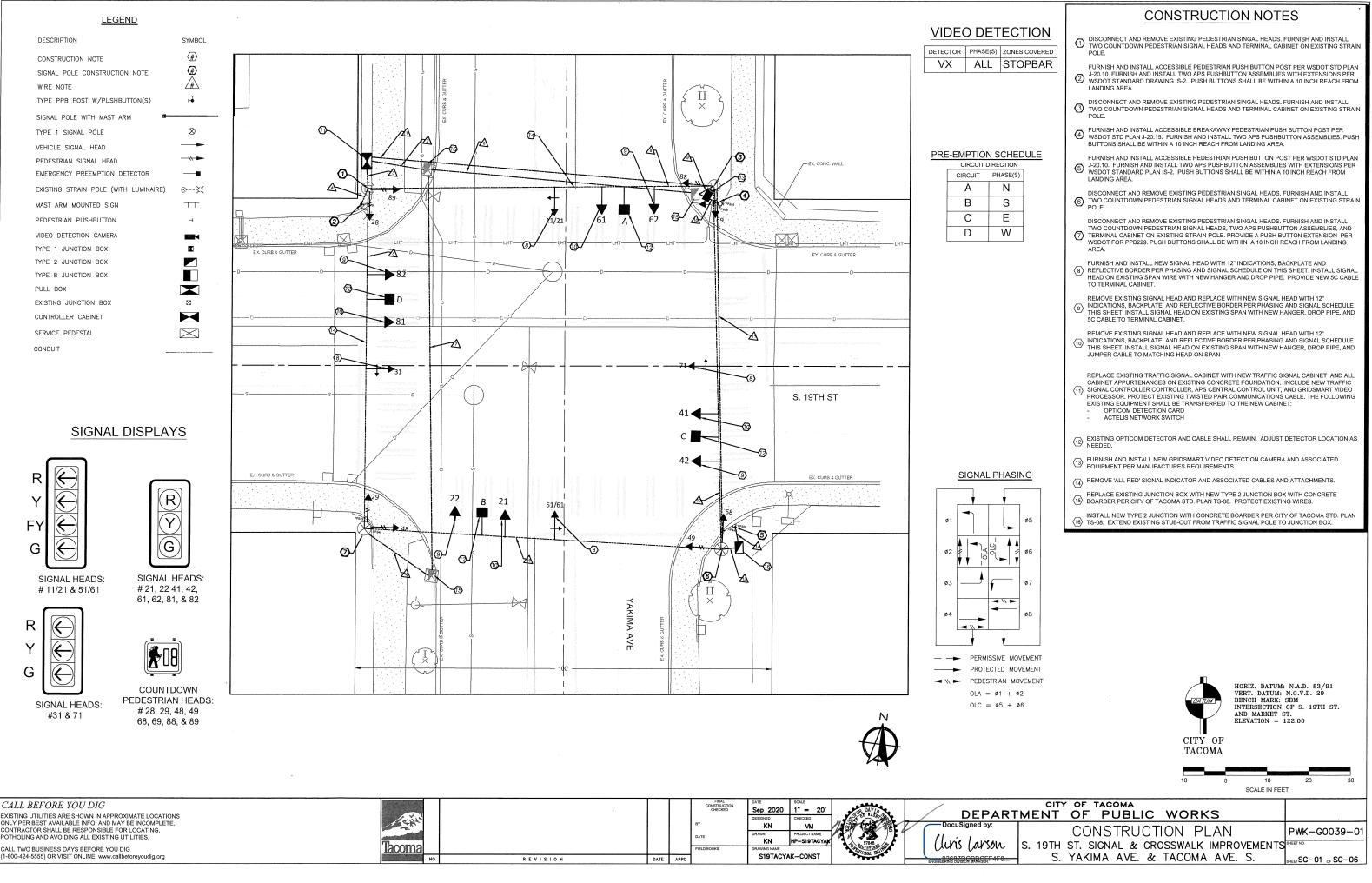
Question 2: I don't see a B/I for CSTC or CSBC for the HMA replacement, Concrete Flatwork and Conc. Road Panels for PW20-0261f. (S 19th St Signal and Crosswalk) The M & P section doesn't list it as an incidental either.

- Answer 2: "Section 8-20.3(5)E1 from the revised WSDOT specification provides information on the fill to be used for the conduit trenches. The trenches are to be filled with this material to the level of the existing base. There is no excavation work required beyond the removal of the concrete panels and asphalt for the conduit trenches. The material required for the conduit trenches is sufficient for pavement and sidewalk replacement. Any material disturbed by the pavement removal outside of the trenches is expected to be compacted to meet density requirements before placement of HMA, concrete flatwork, and/or concrete road panels. There is no expectation that additional base material will be required for the roadway replacement. The fill material for the trenches is considered subsidiary to the cost the bid item "Traffic Signal System Tacoma Avenue, per lump sum"."
- Question 3: Most of the wire run numbers on plan sheets SG-01 and SG-04 are illegible. Can you upload new sheets with legible numbers?
- Answer 3: SG-01, SG-03, SG-04, SG-06 have been rescanned to increase legibility.
- Question 4: Plan Pages SG-01 & SG-04 are very blurry and we are unable to read wire notes or construction notes on these pages. When plans are enlarged they become blurred even further. Will another set of plans be published?
- Answer 4: SG-01, SG-03, SG-04, SG-06 have been rescanned to increase legibility.
- Question 5: On Sheets SG-01 and SG-04 many of the Wire Note numbers are not legible. I have tried downloading and enlarging the drawings but am still unable to read the numbers. Is there a clearer copy of these sheets that could be made available?
- Answer 5: SG-01, SG-03, SG-04, SG-06 have been rescanned to increase legibility.
- Question 6: Do you anticipate extending the bid due date?
- Answer 6: Bid Due Date will remain 11/10/2020
- Question 7: What additional details are you willing to provide, if any, beyond what is stated in bid documents concerning how you will identify the winning bid?
- Answer 7: No additional details will be provided.
- Question 8: Was this bid posted to the nationwide free bid notification website at <u>www.mygovwatch.com/free</u>?
- Answer 8: No
- Question 9: Other than your own website, where was this bid posted?

Answer 9: This bid was posted on our website and distributed by ARC. The solicitation was advertised in the City's official publication and the Daily Journal of Commerce.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the proposal page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW19-0267F Addendum No. 01. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Nick Correll / Public Works Engineering



CALL BEFORE YOU DIG EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

CALL TWO BUSINESS DAYS BEFORE YOU DIG

run no. Δ	CONDUIT SIZE	PED PPB 2CS	PED HEAD 5C	VIDEO CABLE CAT 5E	VEHICLE HEAD 5C	GROUND #8 CU	NOTES
1	EX 1-1/2"		2		4	1	
2	EX 1-1/2"	4		1		1	
2	EX 1-1/2"	2				1	
3	EX 1-1/2"		1		2	1	
3	EX 1-1/2"	2				1	
4	1"	2				1	
5	EX-SPAN				2		
6	EX-SPAN				2		
7	EX 1-1/2"	4		1		1	
8	EX 1-1/2"	2				1	
	EX 1-1/2"		1		2	1	
9	EX 1-1/2"	2		1		1	
10	1"	2				1	
11	EX 1-1/2"	2	1			1	
12	EX-SPAN				2		
13	1-1/2"	2				1	
14	1"	2				1	
15	EX-SPAN				2		
16	EX 1-1/2"	2	1		2	1	

NOTES:

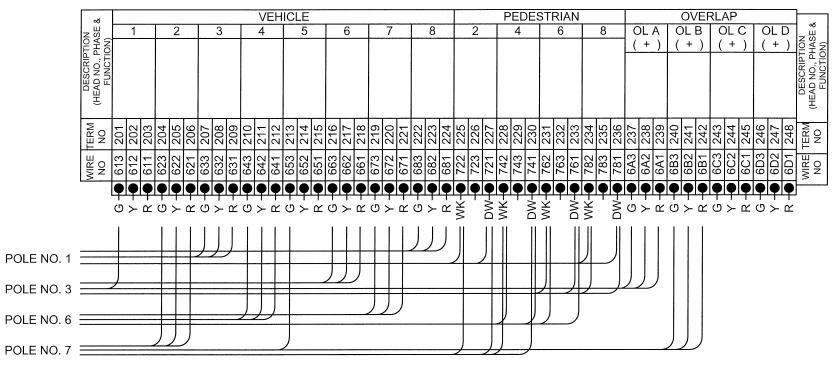
WIRING CHART DOES NOT INCLUDE EXISTING WIRING FOR CLARITY.

EXISTING WIRING NOT USED SHALL BE REMOVED FROM SPAN WIRES OR CONDUIT. EXISTING 5C CABLES TO BE REMOVED AFTER INSTALLATION OF NEW CABLES. 2

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EXISTING EVPE DEVICES TO REMAIN ON SPAN WIRES AND MAINTAIN EXISTING OVERHEAD WIRING. INSTALL GROUND WIRE IN ANY EXISTING CONDUIT WITHOUT AN EXISTING GROUND.

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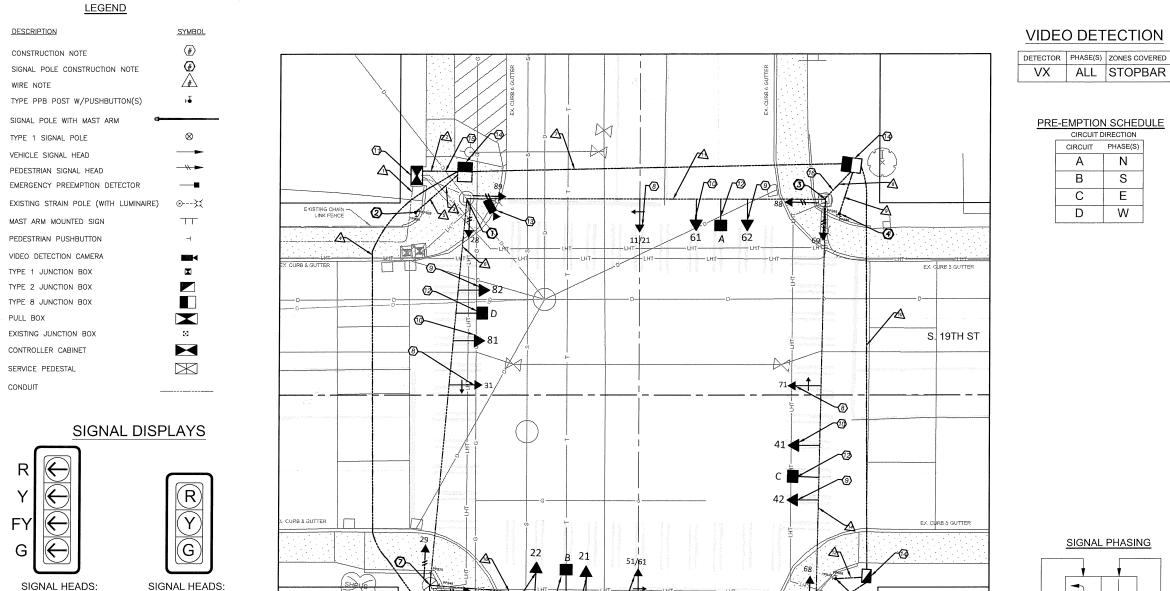


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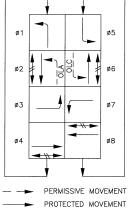
OUTPUT DISPLAY TERMINATIONS

GROUNDS/COMMONS SHALL BE CONNECTED TO CABINET GROUND GB1 OR GB2

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39–01
SG-06







PEDESTRIAN MOVEMENT $OLA = \emptyset 1 + \emptyset 2$ $OLC = \phi 5 + \phi 6$

CALL BEFORE YOU DIG EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES.

21, 22 41, 42,

61, 62, 81, & 82

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COUNTDOWN

PEDESTRIAN HEADS:

28, 29, 48, 49

68, 69, 88, & 89

CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org

11/21 & 51/61

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SIGNAL HEADS:

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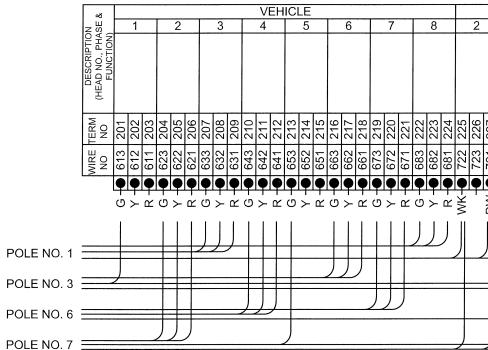
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		CONSTRUCTION NOTES
	1	DISCONNECT AND REMOVE EXISTING PEDESTRIAN SIGNAL HEADS. FURNISH AND INSTALL TWO COUNTDOWN PEDESTRIAN SIGNAL HEADS AND TERMINAL CABINET ON EXISTING STRAIN POLE.
	2	FURNISH AND INSTALL ACCESSIBLE PEDESTRIAN PUSH BUTTON POST WSDOT STD PLAN J-20.10. FURNISH AND INSTALL TWO APS PUSHBUTTON ASSEMBLIES WITH EXTENSIONS PER WSDOT STANDARD PLAN IS-2. PUSH BUTTONS SHALL BE WITHIN A 10 INCH REACH FROM LANDING AREA.
	3	DISCONNECT AND REMOVE EXISTING PEDESTRIAN SIGNAL HEADS. FURNISH AND INSTALL TWO COUNTDOWN PEDESTRIAN SIGNAL HEADS AND TERMINAL CABINET ON EXISTING STRAIN POLE.
	4	FURNISH AND INSTALL ACCESSIBLE PEDESTRIAN PUSH BUTTON POST PER WSDOT STD PLAN J-20.10. FURNISH AND INSTALL TWO APS PUSHBUTTON ASSEMBLIES WITH EXTENSIONS PER WSDOT STANDARD PLAN IS-2. PUSH BUTTONS SHALL BE WITHIN A 10 INCH REACH FROM LANDING AREA.
	5	FURNISH AND INSTALL ACCESSIBLE PEDESTRIAN PUSH BUTTON POST PER WSDOT STD PLAN J-20.10. FURNISH AND INSTALL TWO APS PUSHBUTTON ASSEMBLIES WITH EXTENSIONS PER WSDOT STANDARD PLAN IS-2. PUSH BUTTONS SHALL BE WITHIN A 10 INCH REACH FROM LANDING AREA.
	6	DISCONNECT AND REMOVE EXISTING PEDESTRIAN SIGNAL HEADS. FURNISH AND INSTALL TWO COUNTDOWN PEDESTRIAN SIGNAL HEADS AND TERMINAL CABINET ON EXISTING STRAIN POLE.
	Ø	DISCONNECT AND REMOVE EXISTING PEDESTRIAN SIGNAL HEADS. FURNISH AND INSTALL TWO COUNTDOWN PEDESTRIAN SIGNAL HEADS, TWO APS PUSHBUTTON ASSEMBLIES, AND TERMINAL CABINET ON EXISTING STRAIN POLE. PROVIDE PUSH BUTTON EXTENSION PER WSDOT PLAN IS-2 FOR PPB29.
	8	FURNISH AND INSTALL NEW SIGNAL HEAD WITH 12" INDICATIONS, BACKPLATE AND REFLECTIVE BORDER PER PHASING AND SIGNAL SCHEDULE ON THIS SHEET. INSTALL SIGNAL HEAD ON EXISTING SPAN WIRE WITH NEW HANGER AND DROP PIPE. PROVIDE NEW 5C CABLE TO TERMINAL CABINET.
	(9)	REMOVE EXISTING SIGNAL HEAD AND REPLACE WITH NEW SIGNAL HEAD WITH 12" INDICATIONS, BACKPLATE, AND REFLECTIVE BORDER PER PHASING AND SIGNAL SCHEDULE THIS SHEET. INSTALL SIGNAL HEAD ON EXISTING SPAN WITH NEW HANGER DROP PIPE AND 5C CABLE TO TERMINAL CABINET.
	(10)	REMOVE EXISTING SIGNAL HEAD AND REPLACE WITH NEW SIGNAL HEAD WITH 12" INDICATIONS, BACKPLATE, AND REFLECTIVE BORDER PER PHASING AND SIGNAL SCHEDULE THIS SHEET. INSTALL SIGNAL HEAD ON EXISTING SPAN WITH NEW HANGER DROP PIPE AND JUMPER CABLE TO MATCHING SIGNAL HEAD ON SPAN.
	9	REPLACE EXISTING TRAFFIC SIGNAL CABINET WITH NEW TRAFFIC SIGNAL CABINET AND CABINET APPURTENANCES ON EXISTING CONCRETE FOUNDATION. INCLUDE NEW TRAFFIC SIGNAL CONTROLLER CONTROLLER, APS CENTRAL CONTROL UNIT, GRIDSWART VIDEO PROCESSOR. PROTECT EXISTING TWISTED PAIR COMMUNICATIONS CABLE. THE FOLLOWING EXISTING EQUIPMENT SHALL BE TRANSFERRED TO THE NEW CABINET: - OPTICOM DETECTION CARD - ACTELIS NETWORK SWITCH
		EXISTING OPTICOM DETECTOR AND CABLE SHALL REMAIN. ADJUST DETECTOR LOCATION AS NEEDED.
		FURNISH AND INSTALL NEW GRIDSMART VIDEO DETECTION CAMERA AND ASSOCIATED EQUIPMENT PER MANUFACTURES REQUIREMENTS.
	(14)	INSTALL NEW TYPE 2 JUNCTION WITH CONCRETE BOARDER PER CITY OF TACOMA STD. PLAN TS-08.
	_	CONNECT NEW 2" CONDUITS TO EXISTING STUB-OUTS FROM TRAFFIC SIGNAL FOUNDATION.
	~	CONNECT CONDUIT TO EXISTING CONDUIT STUB-OUT FROM EXISTING STRAIN POLE. TRENCH CONDUIT ACROSS INTERSECTION MINIMUM DEPTH OF 24 INCHES. RESTORE PAVEMENT PER COT STANDARD PLAN SU-14. RESTORE PAVEMENT MARKINGS IMPACTED BY
		PAVEMENT PER COT STANDARD PLAN SU-14. RESTORE PAVEMENT MARKINGS IMPACTED BY REMOVAL.
		HORIZ. DATUM: N.A.D. 83/91 VERT. DATUM: N.G.V.D. 29 BENCH MARK: SBM INTERSECTION OF S. 19TH ST. AND MARKET ST. ELEVATION = 122.00 CITY OF TACOMA
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run NO. Δ	CONDUIT SIZE	PED PPB 2CS	PED HEAD 5C	VIDEO CABLE CAT 5E	VEHICLE HEAD 5C	GROUND #8	INTERCONNECT (TWISTED CU)	RUN LENGTH	NOTES
1	EX-1-1/4"					1			EXIST. Signal Power
2	2"		3		6	1		10	EXIST. STUB-OUT
2	2"	6				1		10	EXIST. STUB-OUT
3	EX-1-1/2"		1	1	2	1		10	
	2"					1		100	
4	3"	2				1		100	
	3"		1		2	1		100	
5	1"	2				1		10	
6	EX-SPAN				2			60	
	2"					1		80	
7	3"	4				1		80	
	3"		2		4	1		80	
8	2"		1		2	1		10	EXIST. STUB-OUT
9	1"	2				1		10	
	2"					1		90	
10	3"	2				1		90	
	3"		1		2	1		90	
11	EX-SPAN				2			70	
12	2"	2				1		10	
13	2"		1		2	1		10	EXIST. STUB-OUT
14	EX-SPAN				2			70	
15	1"	2	1		2	1		10	EXIST. STUB-OUT
16	EX-SPAN				2			70	

NOTES:
 WIRING CHART DOES NOT INCLUDE EXISTING WIRING FOR CLARITY.
 EXISTING WIRING NOT USED SHALL BE REMOVED FROM SPAN WIRES OR CONDUIT.
 EXISTING 5C CABLES TO BE REMOVED AFTER INSTALLATION OF NEW CABLES.
 EXISTING EVPE DEVICES TO REMAIN ON SPAN WIRES AND MAINTAIN EXISTING OVERHEAD WIRING.



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2	16+93.75	38.05	X	PPB																															180	0 270											
4	17+82.22	37.65	X	PPB	1																														0	270											
5	17+81.73	38.24	x	PPB	1																														0	90											
7	16+97.14	39.61	X	N	1																														180	0 90									Existin	pole	

OUTPUT DISPLAY TERMINATIONS

GROUNDS/COMMONS SHALL BE CONNECTED TO CABINET GROUND GB1 OR GB2

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22	22	22	230	231	23	23	23	23	53	23	53	53	240	241	242	243	27	27	27	27	27	TERM NO	
721	742	743	741	762	763	761	782	783	781	6A3	6A2	6A1	6B3	6B2	6B1	6C3	6C2	6C1	6D3	6D2	6D1	ш	1
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				- · · ·		PLAN			PWK-G0039-01
S.	19TH	ST. S	IGNA	NL &c	CRO	DSSWALK	IMPRO'	VEMENTS	SHEET NO.
	S.	YAKI	MA	AVE.	&	TACOMA	AVE.	S.	SHEET SG-06 OF SG-06

1 1-06 CONTROL OF MATERIAL

3 Buy America

4 5 (August 6, 2012)

In accordance with Buy America requirements contained in 23 CFR 635.410, the major
quantities of steel and iron construction material that is permanently incorporated into
the project shall consist of American-made materials only. Buy America does not apply
to temporary steel items, e.g., temporary sheet piling, temporary bridges, steel
scaffolding and falsework.

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Minor amounts of foreign steel and iron may be utilized in this project provided the cost
 of the foreign material used does not exceed one-tenth of one percent of the total
 contract cost or \$2,500, whichever is greater.

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American-made material is defined as material having all manufacturing processes
 occurring domestically. To further define the coverage, a domestic product is a
 manufactured steel material that was produced in one of the 50 States, the District of
 Columbia, Puerto Rico, or in the territories and possessions of the United States.

If domestically produced steel billets or iron ingots are exported outside of the area of
coverage, as defined above, for any manufacturing process then the resulting product
does not conform to the Buy America requirements. Additionally, products manufactured
domestically from foreign source steel billets or iron ingots do not conform to the Buy
America requirements because the initial melting and mixing of alloys to create the
material occurred in a foreign country.

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28 Manufacturing begins with the initial melting and mixing, and continues through the 29 coating stage. Any process which modifies the chemical content, the physical size or 30 shape, or the final finish is considered a manufacturing process. The processes include 31 rolling, extruding, machining, bending, grinding, drilling, welding, and coating. The action of applying a coating to steel or iron is deemed a manufacturing process. Coating 32 33 includes epoxy coating, galvanizing, aluminizing, painting, and any other coating that 34 protects or enhances the value of steel or iron. Any process from the original reduction 35 from ore to the finished product constitutes a manufacturing process for iron. 36

Due to a nationwide waiver, Buy America does not apply to raw materials (iron ore and alloys), scrap (recycled steel or iron), and pig iron or processed, pelletized, and reduced iron ore.

- 41 The following are considered to be steel manufacturing processes: 42
 - 1. Production of steel by any of the following processes:
 - a. Open hearth furnace.
 - b. Basic oxygen.
 - c. Electric furnace.
 - d. Direct reduction.
 - 2. Rolling, heat treating, and any other similar processing.

1 2	3. Fabrication of the products
2 3 4	a. Spinning wire into cable or strand.
4 5 6	b. Corrugating and rolling into culverts.
6 7 8	c. Shop fabrication.
9 10 11 12 13	A certification of materials origin will be required for any items comprised of, or containing, steel or iron construction materials prior to such items being incorporated into the permanent work. The certification shall be on DOT Form 350-109EF provided by the Engineer, or such other form the Contractor chooses, provided it contains the same information as DOT Form 350-109EF.
14 15 16	(*****)
17 18 19	The contract includes items containing foreign steel in the amount of \$13.76, which shall be deducted from the foreign steel exclusion of the contract.
20 21 22	1-06.6 Recycled Materials (January 4, 2016 APWA GSP)
23 24 25	Delete this section, including its subsections, and replace it with the following:
26 27 28 29	The Contractor shall make their best effort to utilize recycled materials in the construction of the project. Approval of such material use shall be as detailed elsewhere in the Standard Specifications.
30 31 32 33 34 35	Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT form 350-075 Recycled Materials
36 37	Reporting. END OF SECTION
38	