

**RESOLUTION NO. 1800**

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF FIFE, PIERCE COUNTY, WASHINGTON AUTHORIZING THE CITY MANAGER TO EXECUTE AN INTERSECTION AND TRAFFIC SIGNAL IMPROVEMENT AGREEMENT WITH THE CITY OF TACOMA REGARDING THE PORT OF TACOMA ROAD I-5 INTERCHANGE IMPROVEMENT PROJECT

WHEREAS, the Port of Tacoma Road I-5 Interchange Improvement Project includes improvements to 12th Street E between Port of Tacoma Road and 34th Avenue E, and to intersection of Port of Tacoma Road and 12<sup>th</sup> Street E; and


WHEREAS, the improvements will include changes to the existing curbs and sidewalk ramps along with an update to the signal system; and

WHEREAS, since the Port of Tacoma Road/12<sup>th</sup> Street E intersection is within the City of Tacoma, an agreement with Tacoma is needed in order to allow Fife to construct the improvements within Tacoma, to convey the new signal facilities to Tacoma, and to allow use of Fife right of way for a set of traffic signal loops that extend into Fife city limits; and


WHEREAS, the staffs of Tacoma and Fife has negotiated such an agreement, as set forth in Exhibit A attached hereto; now therefore

BE IT RESOLVED that the Fife City Council hereby authorizes the City Manager to execute on behalf of the City, the Intersection and Traffic Signal Improvement Agreement between the City of Fife and the City of Tacoma in the form attached hereto as Exhibit A.

ADOPTED by the City Council at an open public meeting held on the 14<sup>th</sup> day of November 2017.

  
\_\_\_\_\_  
Kim Roscoe, Mayor

Attest:

  
\_\_\_\_\_  
~~Angela Woods, City Clerk~~  
Brodie Rota, Acting City Clerk

**INTERSECTION AND TRAFFIC SIGNAL IMPROVEMENT AGREEMENT  
BETWEEN  
THE CITY OF FIFE AND THE CITY OF TACOMA**

1. Date and Parties.

This agreement, for reference purposes only, is dated the \_\_\_\_\_ day of \_\_\_\_\_, 2017 (“Agreement Date”), and is entered into between the City of Fife (“Fife”) and the City of Tacoma (“Tacoma”).

2. Recitals.

2.1 As part of Fife’s Port of Tacoma Road Interchange Improvement project, Fife will make intersection and signal improvements at the intersection of Port of Tacoma Road and 12<sup>th</sup> Street E (the “Intersection”). The intersection and signal improvements are identified in the construction plan sheets attached hereto as Exhibit A (the “Intersection and Signal Improvements”). Three legs of the Intersection (north, south and west) are in the City of Tacoma while the east leg is in the City of Fife.

2.2 It will be to the mutual benefit of Fife and Tacoma, for Tacoma to allow Fife to construct the Intersection and Signal Improvements, and for Fife to allow Tacoma to own, operate, and maintain all of the Intersection and Signal Improvements after construction is complete.

Now, therefore it is hereby agreed as follows:

3. Right of Entry. Subject to Fife obtaining all required permits, Tacoma hereby grants Fife, its agents and contractors, a right of entry upon all Tacoma right of way necessary for the construction of the Intersection and Signal Improvements. Upon completion of the Intersection and Signal Improvements, this right of entry shall terminate.

4. Conveyance of Signal Facilities. Upon completion of the Intersection and Signal Improvements, Fife shall convey ownership of all improvements, signal equipment, signal junction boxes, and appurtenant equipment in the Intersection to Tacoma by bill of sale.

5. Use of Fife Right of Way. Pursuant to all applicable regulatory requirements, Tacoma shall have the right and privilege to operate, maintain, repair and replace the Signal Improvements in the Intersection that are within Fife’s right of way. There shall be no fixed term associated with the right and privilege granted under this section, however, this right of use may be terminated by mutual agreement of the parties.

6. Indemnification.

6.1 Fife agrees to indemnify and hold Tacoma, its elected officials, officers, employees, agents and volunteers harmless from any and all claims, demands, losses, actions and liabilities (including costs and all attorney fees) to or by any and all persons or entities, including,

without limitation their respective agents, licensees, or representatives arising from, resulting from, or connected with this Agreement to the extent caused by the negligent acts, errors or omissions of Fife, its elected officials, officers, employees, agents, and volunteers or by Fife's breach of this Agreement.

6.2 Tacoma agrees to indemnify and hold Fife, its elected officials, officers, employees, agents and volunteers harmless from any and all claims, demands, losses, actions and liabilities (including costs and all attorney fees) to or by any and all persons or entities, including, without limitation their respective agents, licensees, or representatives arising from, resulting from, or connected with this Agreement to the extent caused by the negligent acts, errors or omissions of Tacoma, its elected officials, officers, employees, agents, and volunteers or by Tacoma's breach of this Agreement.

6.3 In the event of a claim, loss, or liability based upon the alleged concurrent or joint negligence of the parties, the parties shall bear their respective liability, including cost, in accordance with their respective liability established in accordance with the laws of the State of Washington.

6.4 FOR PURPOSES OF INDEMNIFICATION ONLY, THE PARTIES, BY MUTUAL NEGOTIATION, HEREBY WAIVE, AS RESPECTS THE OTHER PARTY ONLY, ANY IMMUNITY THAT WOULD OTHERWISE BE AVAILABLE AGAINST SUCH CLAIMS UNDER THE INDUSTRIAL INSURANCE PROVISIONS OF TITLE 51 RCW.

6.5 Fife is a governmental entity and is self-insured, or a member of an accredited Washington city insurance risk pool, and agrees that it will maintain appropriate levels of self-insurance, or risk pool membership, for the duration of this Agreement with coverage for all obligations undertaken in this Agreement, and worker's compensation insurance as required by State law.

CITY OF FIFE

CITY OF TACOMA

By: \_\_\_\_\_  
Hyun Kim  
City Manager

By: \_\_\_\_\_  
Kurtis Kingsolver  
Director, Public Work Department

Approved as to form:

\_\_\_\_\_  
Andy Cherullo  
Director, Finance Department

\_\_\_\_\_  
Gregory F. Amann  
Assistant City Attorney

\_\_\_\_\_  
Saada Gegoux  
Risk Manager

\_\_\_\_\_  
Elizabeth Pauli  
City Manager

Approved as to form:

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Deputy City Attorney

# EXHIBIT A

**CONSTRUCTION NOTES (THIS SHEET ONLY)**

- 1) CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-27.10-01 FURNISH AND INSTALL TYPE V STRAIN POLE INSTALL NEW SPAN WITH MESSENGER CABLES TO THE NEW SIGNAL POLES. DETECTOR AND INSTALL NEW SPAN WITH ONE NEW TYPE 721 EMERGENCY PRE-EMPTION SIGNAL ONE TYPE 721 EMERGENCY PRE-EMPTION DETECTOR AND INSTALL TWO NEW VEHICLE SIGNAL LUMINAIRE ON THE NEW SIGN ON THE NEW EASTBOUND SPAN INSTALL 110W LED TYPE III LUMINAIRE ON THE NEW SIGN ON THE NEW WESTBOUND SPAN SEE SIGNAL STANDARD SHEET 58-101E FOR POLE PACING AND DETAILS SEE SIGNAL STANDARD SHEET 58-101E FOR POLE LOCATIONS AND DETAILS
- 2) CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-20.11-02 FURNISH AND INSTALL TYPE RS BOLLARD WITH CURB INTEGRATED BASE INSTALL ONE PEDESTRIAN SIGNAL HEAD AND ONE PUSH BUTTON ON POLE FOR POLE LOCATION AND DETAILS SEE STANDARD SHEET SG103.
- 3) CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-27.10-01 FURNISH AND INSTALL TYPE V STRAIN POLE INSTALL NEW SPAN WITH MESSENGER CABLE FOR THE SOUTHBOUND SPAN TO THE NEW SIGNAL POLES AND ONE NEW TYPE 721 EMERGENCY PRE-EMPTION SIGNAL AND ONE TYPE 721 EMERGENCY PRE-EMPTION DETECTOR ON NEW SOUTHBOUND SPAN AND ONE 110W LED TYPE III LUMINAIRE ON THE LUMINAIRE ARM INSTALL TWO PEDESTRIAN SIGNAL HEADS AND TWO DETAILERS SEE SIGNAL STANDARD SHEET 58-101E.
- 4) CONSTRUCT FOUNDATION PER WSDOT STD PLAN J-27.10-01 FURNISH AND INSTALL TYPE V STRAIN POLE INSTALL NEW SPAN WITH MESSENGER CABLE FOR THE SOUTHBOUND SPAN TO THE NEW SIGNAL POLES AND ONE NEW TYPE 721 EMERGENCY PRE-EMPTION SIGNAL AND ONE TYPE 721 EMERGENCY PRE-EMPTION DETECTOR ON NEW SOUTHBOUND SPAN AND ONE 110W LED TYPE III LUMINAIRE ON THE LUMINAIRE ARM INSTALL TWO PEDESTRIAN SIGNAL HEADS AND TWO DETAILERS SEE SIGNAL STANDARD SHEET 58-101E.
- 5) REMOVE EXISTING SIGNAL POLE FOUNDATION SIGNAL POLE LUMINAIRE AND LUMINAIRE ARM. SALVAGE EQUIPMENT PER SPECIAL PROVISIONS REMOVE TWO EXISTING VEHICLE HEADS FROM EASTBOUND SPAN WIRE REMOVE EXISTING SPAN WIRES.
- 6) REMOVE EXISTING SIGNAL CONTROLLER CABINET AND ALL ASSOCIATED EQUIPMENT/CONDUIT/WIRING SALVAGE PER SPECIAL PROVISIONS. REMOVE EXISTING FOUNDATION AND BACKFILL AND COMPACT PER SPECIAL PROVISIONS.
- 7) REMOVE EXISTING JUNCTION BOX INCLUDING ASSOCIATED CONDUIT/WIRING.
- 8) RELOCATE EXISTING SIGNAL EQUIPMENT TO NEW LOCATION.
- 9) REMOVE EXISTING SIGNAL EQUIPMENT SALVAGE PER SPECIAL PROVISIONS.
- 10) CONSTRUCT JOINT CONTROLLER TYPES CABINET FOUNDATION PER SIGNAL DETAILS FURNISH AND INSTALL NEW FULLY-EQUIPPED TYPE P CONTROLLER CABINET WITH SEMANS M40 CONTROLLER SYSTEM ALL ASSOCIATED EQUIPMENT AND CONNECT ALL FIELD WIRING VERIFY FINAL LOCATION WITH ENGINEER PRIOR TO POURING FOUNDATION. COORDINATE DELIVERY TESTING AND INSTALLATION WITH CITY OF TACOMA TRAFFIC SIGNAL SHOP SEE SPECIAL PROVISIONS.
- 11) INSTALL NEW TYPE 2 JUNCTION BOX PER WSDOT STD PLAN J-40.10-04.
- 12) INSTALL NEW TYPE B JUNCTION BOX PER WSDOT STD PLAN J-40.30-04.
- 13) PROTECT EXISTING STRAIN POLE PER SIGN MOUNTING LUMINAIRE FURNISH AND INSTALL ONE 110W LED TYPE III LUMINAIRE ON EXISTING LUMINAIRE ARM INSTALL ONE SMD SMART VIDEO DETECTION CAMERA ON EXISTING LUMINAIRE ARM.
- 14) INSTALL IN SHARED TRENCH.
- 15) PROTECT EXISTING JUNCTION BOX SPlice EXISTING CABLES TO NEW ZCS CABLES TO ENSURE STREET E INTERCONNECT FOR PORT OF TACOMA RD AND 12TH STREET E REMOVE ALL REMAINING UNUSED WIRING AFTER CHANGEOVER.
- 16) TIE INTO EXISTING SERVICE CABINET.

**EXISTING TRAFFIC SIGNAL SHALL REMAIN FULLY OPERATIONAL UNTIL DAY OF NEW POLE CHANGEOVER WHEN UNIFORMED POLICE OFFICER SHALL DIRECT TRAFFIC.**

**PRE-EMPTION SCHEDULE**

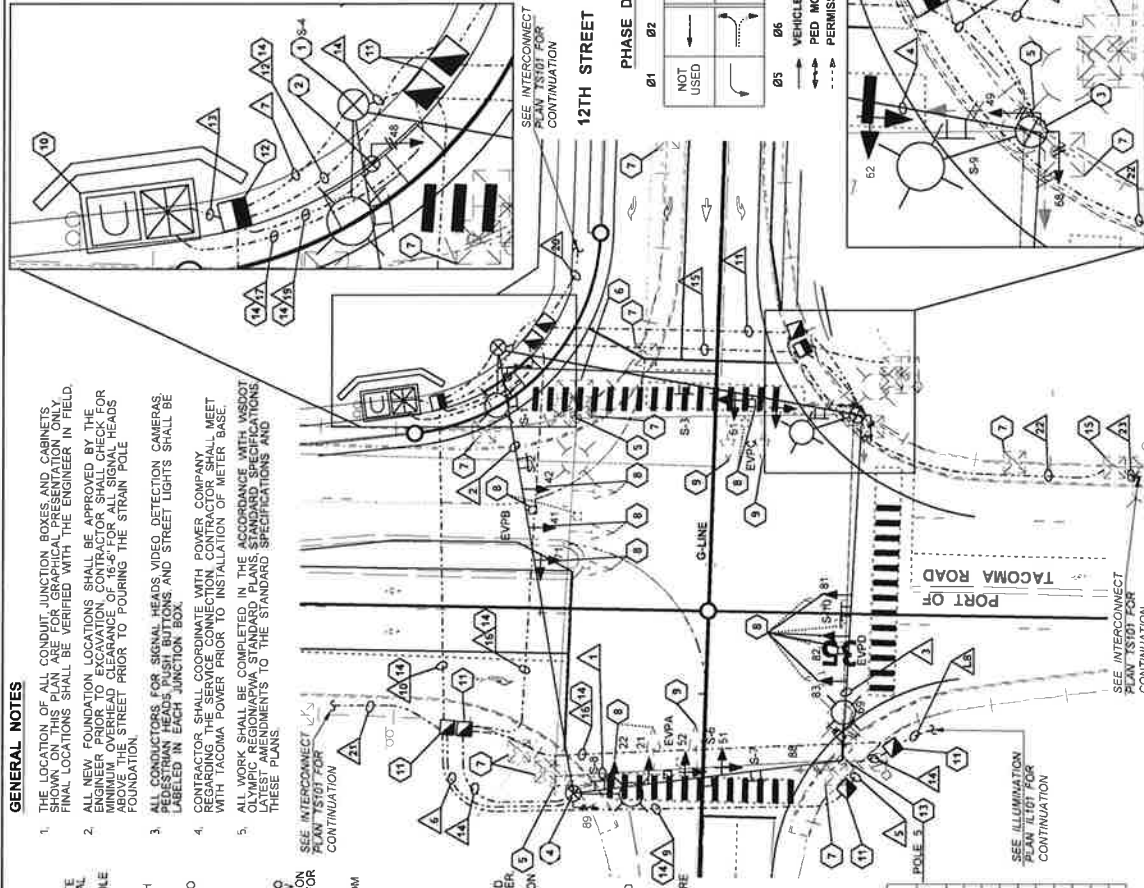
CIRCUIT	PHASES
A	2 & 5
B	4 & 7
C	6
D	B

**SIGN SCHEDULE**

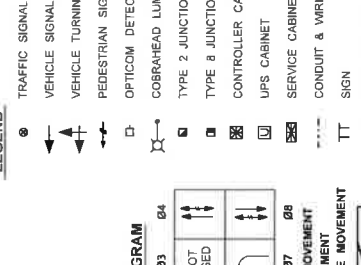
SIGN NUMBER	LOCATION	SIGN TYPE	SIGN LEGEND	SIZE
S-1	SPAN WIRE	D3-101	12TH ST E	19'X65"
S-2	SPAN WIRE	R3-2	NO RIGHT TURN	36'X36"
S-3	SPAN WIRE	R5-1	DO NOT ENTER	36'X36"
S-4	POLE 1	R5-1	DO NOT ENTER	36'X36"
S-5	EX STRAIN POLE	R5-1	DO NOT ENTER	36'X36"
S-6	EX SPAN WIRE	R3-5	LEFT ARROW ONLY	36'X36"
S-7	EX SPAN WIRE	R3-5	RIGHT ARROW ONLY	36'X36"
S-8	EX SPAN WIRE	D3-101	PORT OF TACOMA RD	19'X65"
S-9	SPAN WIRE	D3-101	PORT OF TACOMA RD	19'X65"
S-10	SPAN WIRE	R3-1	NO LEFT TURN	36'X36"

**GENERAL NOTES**

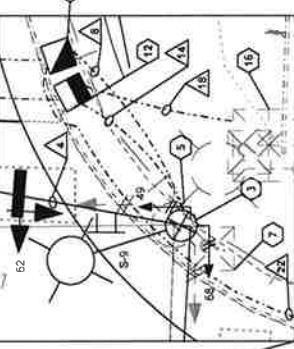
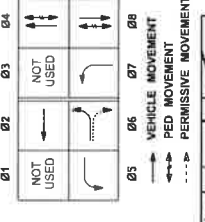
1. THE LOCATION OF ALL CONDUIT, JUNCTION BOXES, AND CABINETS, AND THE LOCATION OF ALL SIGNAL HEADS AND STREET LIGHTS SHALL BE VERIFIED WITH THE ENGINEER IN FIELD. FINAL LOCATIONS SHALL BE VERIFIED WITH THE ENGINEER IN FIELD.
2. ALL NEW FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION. CONTRACTOR SHALL MAINTAIN MINIMUM OVERHEAD CLEARANCE OF 14'-6" FOR ALL SIGNAL HEADS ABOVE THE STREET PRIOR TO POURING THE STRAIN POLE FOUNDATION.
3. ALL CONDUCTORS FOR SIGNAL HEADS VIDEO DETECTION CAMERAS AND STREET LIGHTS SHALL BE LABELED IN EACH JUNCTION BOX.
4. CONTRACTOR SHALL COORDINATE WITH POWER COMPANY REGARDING THE SERVICE CONNECTION. CONTRACTOR SHALL MEET WITH TACOMA POWER PRIOR TO INSTALLATION OF METER BASE.
5. ALL WORK SHALL BE COMPLETED IN THE ACCORDANCE WITH WSDOT OLYMPIC REGIONAL PWA STANDARD PLANS, STANDARD SPECIFICATIONS AND THESE PLANS.



1. ALL VEHICLE HEADS SHALL HAVE 12" LENSES, LED LIGHT SOURCES AND 5" BACKPLATES WITH 1" RETROREFLECTIVE TAPE.
2. ALL VEHICLE HEADS SHALL BE INSTALLED ON TYPE "M" MOUNTS.
3. ALL PED HEADS SHALL BE THE LED TYPE.
4. DOUBLE PED HEADS SHALL BE INSTALLED ON TYPE "A" MOUNTS. SINGLE PED HEADS SHALL BE INSTALLED ON TYPE "D" MOUNTS.



**12TH STREET E PHASE DIAGRAM**



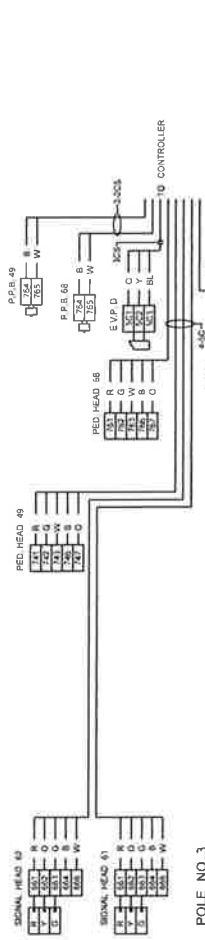
DESIGNED BY:	TNL
DRAFTED BY:	WST
CHECKED BY:	CLM
DATE	BY PROJ. MGR.
REVISION DESCRIPTION	EHS



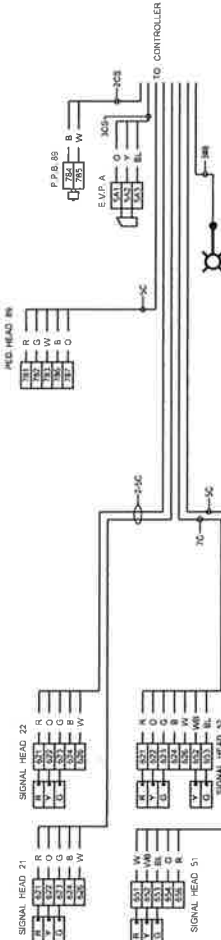
POLE NO. 1



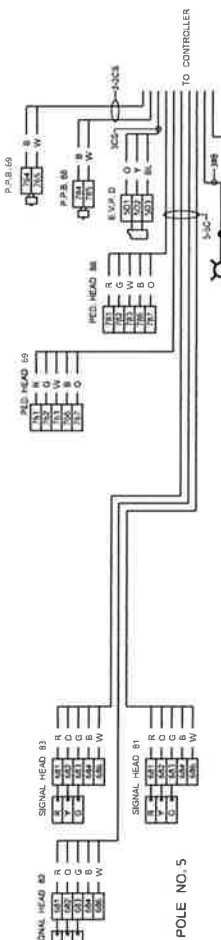
POLE NO. 2



POLE NO. 3



POLE NO. 4



POLE NO. 5

№	POLE NO.	ROADWAY CONDUIT SIZE	LOAD	VIDEO COAXIAL	NO.	EV#	FED BUTTON	RED/VEH-HEAD	VEH HEAD
1	1	SPAN			1	1	3	1	
2	2	SPAN			1	1	3	1	
3	3	SPAN			1	1	3	1	
4	4	SPAN			1	1	2	1	
5	5	2"			1	2	3	1	
6	6	2"			1	1	4	1	
7	7	2"			1	1	2	1	
8	8	2"			1	1	2	1	
9	9	2" SPARE			1	2	3	1	
10	10	2"			2	3	3	1	
11	11	2" SPARE			1	2	4	1	
12	12	2"			1	2	4	1	
13	13	2"			1	2	3	1	
14	14	2"			3	6			
15	15	2" SPARE			3	6			
16	16	2"			6				
17	17	2"			3	3			
18	18	2"			3	3			
19	19	2"			3	3			
20	20	2"			1	1			
21	21	2"			4				
22	22	2"			3				
23	23	2"			1				
144	144	2"			3				



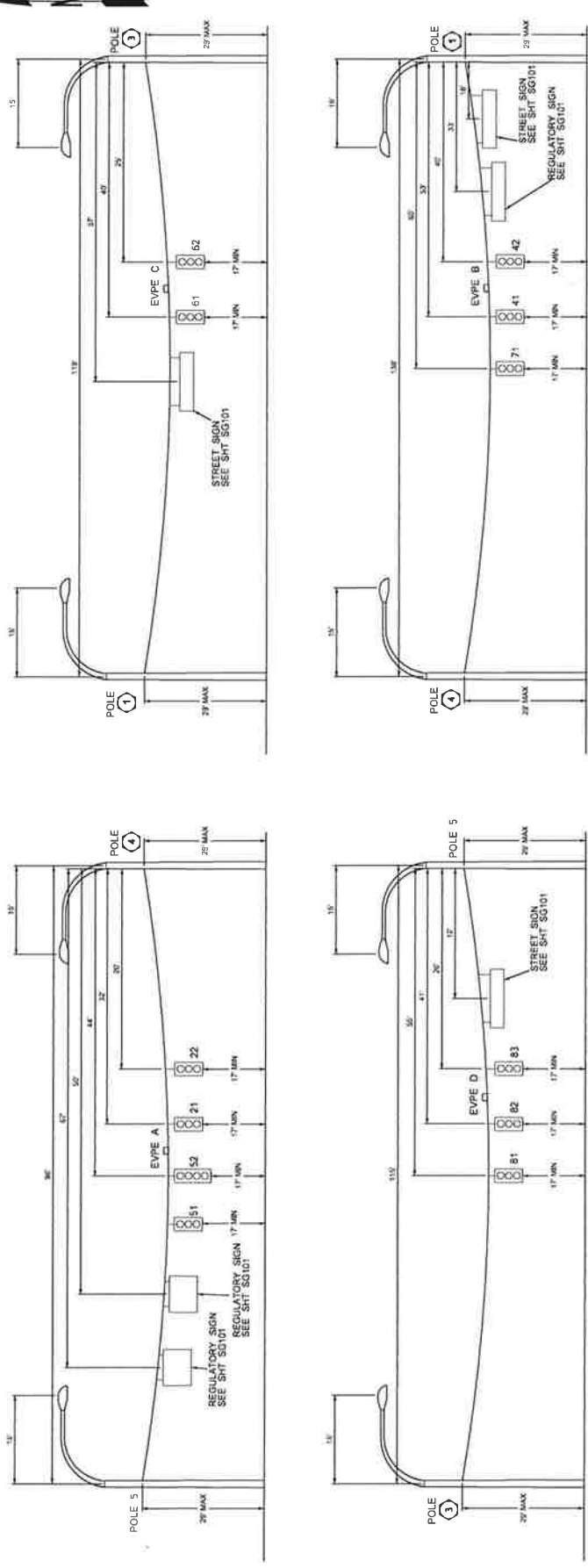
PLAN NUMBER	SC102
SHEET	263
SQUARES	476
PAGES	5

CITY OF FIFE  
 PORT OF TACOMA PHASE 1  
 PORT OF TACOMA ROAD AT 12TH STREET EAST  
 WIRING NOTES AND DIAGRAM



DESIGNED BY:	TNL
DRAFTED BY:	WST
CHECKED BY:	CLM
BY PROJ. MANAGER:	EHS

CODE	REVISION	DESCRIPTION	DATE



**SPAN WIRE DETAILS**  
NTS

**SIGNAL STANDARD DETAIL CHART**

STD. No.	SR No.	SR POST	FIELD LOCATION	POLE TYPE	POLE MOUNTING HEIGHT (FT)	ATTACHMENT POINTS	WHOLESALE AREA (FT <sup>2</sup> )	LUMINAIRE	MAX. CALCULATED XYZ (FT)	FOUNDATION DEPTH (FT)	FOUNDATION ALTERNATE 1	FOUNDATION ALTERNATE 2	REMARKS												
SIGNAL MAST ARM DATA																									
OFFSETS (FT) TO ATTACHMENT POINTS																									
AT	BT	CT	DT	ET	FT	GT	HT	IT	JT	KT	LT	MT	D	E	F	G	H	I	J	K	L	M			
1	30-153	86.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													
2	30-126	76.8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													
3	30-988	66.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													
4	30-874	61.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													
5	30-011	48.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓													

\*ELEVATION IS TO TOP OF FOUNDATION. FIELD VERIFY ELEVATION PRIOR TO ORDERING SIGNAL STANDARDS.

\*\*CALCULATED POLE XYZ (FT) IS THE SUM OF THE TOTAL XYZ (FT) FOR THE SIGNAL ARM AND THE XYZ (FT) FOR THE LUMINAIRE ARM (IF PRESENT).



SCALE IN FEET  
0 20 40

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DESIGNED BY: TNL  
DRAFTED BY: WEST  
CHECKED BY: CLIM  
DATE: BY PROJ. MANGER: EHS

REVISION DESCRIPTION

CITY OF FIFE  
PORT OF TACOMA PHASE 1  
PORT OF TACOMA RD AT 12TH STREET EAST  
SIGNAL STANDARD DETAIL CHART

DKS  
Berger&BAM  
SG103

PROJECT NO. 264  
SHEET 476  
DATE 4/26/17