

# 196<sup>th</sup> Street SW/Scriber lake Road Traffic Signal Rebuild

## Project Description

This project is a traffic signal rebuild to replace the existing span wire signal at 196<sup>th</sup> St SW and Scriber Lake Road. The work includes new turn radii and ADA curb ramps. Design consultant: DKS Associates.

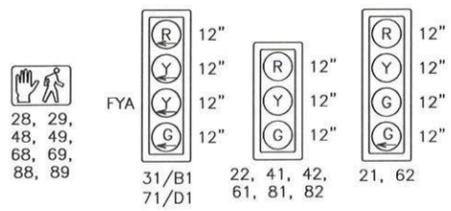
## Proposed Project Schedule

Advertise for Bids:	December, 2013
Award Contract:	February, 2014
Begin Construction:	April, 2014
Finish Construction:	August, 2014

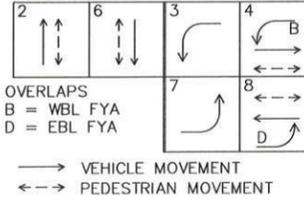
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SW 1/4, SEC. 16 & NW 1/4, SEC. 21, T. 27 N., R. 4 E., W.M.

**SIGNAL HEAD DISPLAYS**



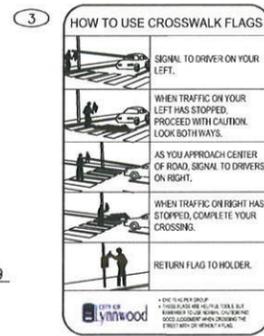
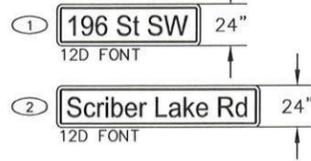
**SIGNAL PHASE DIAGRAM**



**PREEMPT SCHEDULE**

A	6
B	3 & 8
C	2
D	4 & 7

**SIGNS**

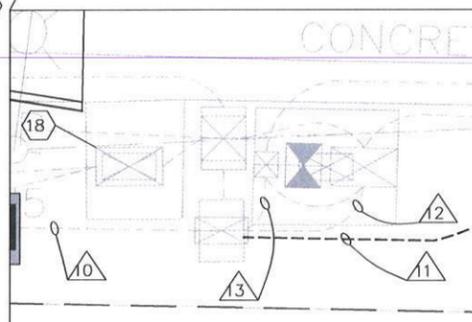
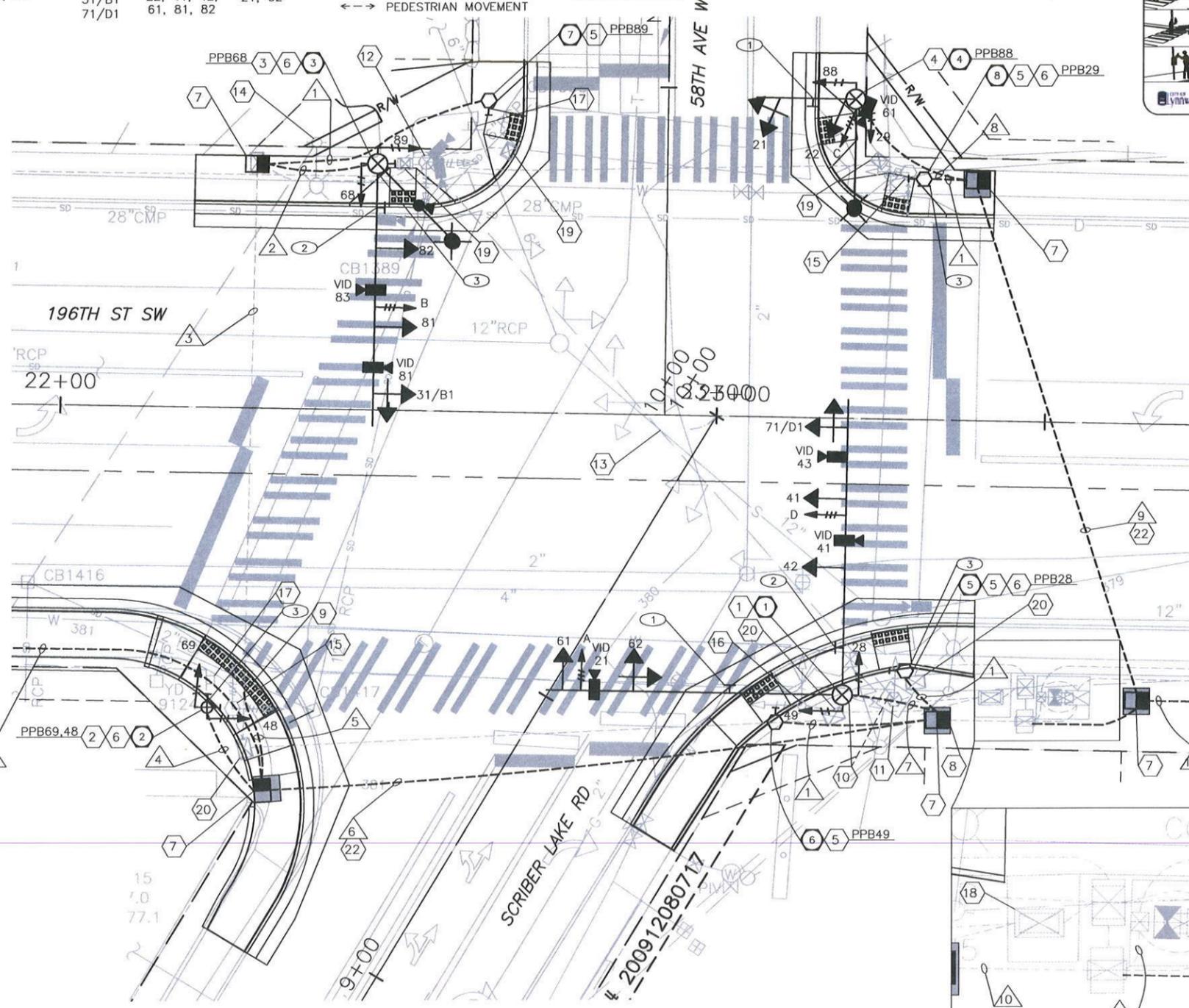
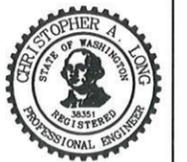


**NOTES**

- SEE SHEET T2 FOR LEGEND AND GENERAL NOTES.
- SEE SHEET S2 FOR WIRING SCHEDULE.
- SEE SHEET S2 FOR ADVANCED DETECTION INSTALLATION AND WIRING.
- ILLUMINATION AT THE INTERSECTION SHOULD BE ON A SEPARATE AND DEDICATED CIRCUIT FROM THE ILLUMINATION ON ADVANCED DETECTION POLES.

**CONSTRUCTION NOTES**

- FURNISH AND INSTALL A TYPE II(SD) SIGNAL POLE AND FOUNDATION. FURNISH AND INSTALL THREE VEHICLE SIGNAL HEADS, TWO CITY FURNISHED DETECTION CAMERAS, ONE OPTICOM DETECTOR WITH EVP INDICATOR LIGHT, AND ONE STREET NAME SIGN ON EASTBOUND MAST ARM. FURNISH AND INSTALL TWO VEHICLE SIGNAL HEADS, ONE CITY FURNISHED DETECTION CAMERA, ONE OPTICOM DETECTOR WITH EVP INDICATOR LIGHT, AND ONE STREET NAME SIGN ON SOUTHBOUND MAST ARM. FURNISH AND INSTALL TWO PEDESTRIAN SIGNAL HEADS AND ONE TERMINAL CABINET ON SIGNAL POLE.
- FURNISH AND INSTALL A TYPE PS POLE AND FOUNDATION. THE FOUNDATION SHALL BE INTEGRATED INTO THE CURB AS SHOWN IN WSDOT STANDARD PLAN J-20.11-01. FURNISH AND INSTALL TWO PEDESTRIAN SIGNAL HEADS AND TWO PUSH BUTTON ASSEMBLIES ON THE POLE.
- FURNISH AND INSTALL A TYPE III SIGNAL POLE (WITH LED LUMINAIRE AND ARM) AND FOUNDATION. FURNISH AND INSTALL THREE VEHICLE SIGNAL HEADS, TWO CITY FURNISHED VIDEO DETECTION CAMERAS, ONE OPTICOM DETECTOR WITH EVP INDICATOR LIGHT, AND ONE STREET NAME SIGN ON MAST ARM. FURNISH AND INSTALL TWO PEDESTRIAN SIGNAL HEADS, ONE PUSH BUTTON ASSEMBLY, AND ONE TERMINAL CABINET ON THE SIGNAL POLE. INSTALL A CITY FURNISHED DOME CCTV CAMERA ON THE LUMINAIRE ARM.
- FURNISH AND INSTALL A TYPE III SIGNAL POLE (WITH LED LUMINAIRE AND ARM) AND FOUNDATION. FURNISH AND INSTALL TWO VEHICLE SIGNAL HEADS AND ONE STREET NAME SIGN ON MAST ARM. FURNISH AND INSTALL TWO PEDESTRIAN SIGNAL HEADS, ONE PUSH BUTTON ASSEMBLY, ONE CITY FURNISHED VIDEO DETECTION CAMERA, ONE OPTICOM WITH EVP INDICATOR AND ONE TERMINAL CABINET ON SIGNAL POLE.
- FURNISH AND INSTALL ONE PEDESTRIAN PUSH BUTTON POST AND FOUNDATION. PUSH BUTTON POST FOUNDATION LOCATED AT THE BACK OF PARALLEL CURB RAMPS SHALL BE INTEGRATED INTO THE CURB AS SHOWN IN WSDOT STANDARD PLAN J-20.11-01. FURNISH AND INSTALL ONE PUSH BUTTON ASSEMBLY ON THE POLE.
- INSTALL CITY FURNISHED PEDESTRIAN FLAG HOLDER AND PEDESTRIAN CROSSING SIGN AT TOP OF POST BEHIND PUSH BUTTON.
- FURNISH AND INSTALL TYPE 8 TRAFFIC JUNCTION BOX PER WSDOT STANDARD PLAN J-40.30-02.
- INTERCEPT EXISTING 2-3" CONDUITS WITH NEW TYPE 8 JUNCTION BOX.
- INTERCEPT EXISTING 3" CONDUIT AND TERMINATE CONDUIT INTO NEW TYPE 8 JUNCTION BOX.
- RELOCATE EXISTING TSP ANTENNA TO POLE 1 JUST BELOW THE MAST ARM.
- REMOVE AND SALVAGE EXISTING SIGNAL POLE, SIGNS AND ALL ASSOCIATED SIGNAL EQUIPMENT. DISPOSE OF EXISTING FOUNDATION, CONDUIT, AND WIRING.
- REMOVE AND SALVAGE EXISTING SIGNAL POLE, SIGNS AND ALL ASSOCIATED SIGNAL EQUIPMENT. DISPOSE OF EXISTING FOUNDATION, CONDUIT, AND WIRING.
- REMOVE AND SALVAGE ALL EXISTING TRAFFIC SIGNAL HEADS AND EQUIPMENT. DISPOSE OF EXISTING WIRING AND SPAN WIRE.
- CONTACT ERIN BURKE (425-783-4745) OF SNOHOMISH COUNTY PUD FOR DISCONNECTING SERVICE AND SALVAGE OF POLE, LUMINAIRE ARM AND FIXTURE. REMOVAL SHALL OCCUR AFTER ALL NEW LIGHTING IS ACTIVE.
- REMOVE AND SALVAGE EXISTING PEDESTRIAN SIGNAL POLE AND ALL ASSOCIATED SIGNAL EQUIPMENT. DISPOSE OF EXISTING FOUNDATION CONDUIT, AND WIRING.
- REMOVE EXISTING PEDESTRIAN PUSH BUTTON POST AND ALL ASSOCIATED SIGNAL EQUIPMENT. DISPOSE OF EXISTING FOUNDATION CONDUIT, AND WIRING.
- REMOVE AND SALVAGE EXISTING STREET NAME SIGNS AND POST.
- REMOVE AND SALVAGE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET. DISPOSE OF FOUNDATION AND ASSOCIATED CONDUIT AND WIRING. CONTRACTOR SHALL RESTORE THE SURROUNDING AREA DISTURBED BY THE REMOVAL OF THE FOUNDATION TO MATCH THE SURROUNDING SIDEWALK/ASPHALT.
- REMOVE AND DISPOSE OF EXISTING TYPE 1 JUNCTION BOX INCLUDING EXISTING WIRING AND ABANDON CONDUIT.
- REMOVE AND DISPOSE OF EXISTING TYPE 2 JUNCTION BOX INCLUDING EXISTING WIRING AND ABANDON CONDUIT.
- NEW CONDUIT LOCATED IN ASPHALT BEHIND SIDEWALK. IF INSTALLED BY TRENCHING, ASPHALT SHALL BE REMOVED 1' ON EITHER SIDE OF TRENCH. RESTORATION SHALL BE AS SHOWN IN LYNNWOOD STANDARD PLAN 3-18.



DETAIL VIEW

(FOR CONSTRUCTION NOTES CONTINUATION, SEE SHEET S2)

CALL 48 HOURS BEFORE YOU DIG  
1-800-424-5555

DESIGNED BY DRR		11/04/13	NOT FOR CONSTRUCTION		REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	LYNNWOOD WASHINGTON	100% SUBMITTAL	ReidMiddleton 728 134th Street SW Suite 200 Everett, Washington 98204 Ph: 425 741-3800	DKS 719 Second Ave., Suite 1250 Seattle, Washington 98104 (206) 382-9800 www.dksassociates.com	SR 524 IMPROVEMENTS SR 99 TO SCRIBER LAKE ROAD 196TH ST SW/SCRIBER LAKE ROAD SIGNAL REBUILD	S1
ENTERED BY MEV		11/04/13	DATE DATE REVISION BY		JOB NUMBER	CONTRACT NO.	SHEET 7 OF 13 SHEETS						