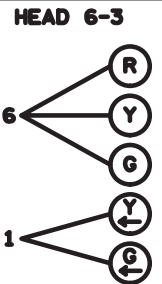


**SIGNAL HEAD PHASING**



**SIGNAL HEAD CHART**

FACE	R	Y	G	Y	G
2-1, 2-2	○	○	○		
4-1, 4-2, 4-3, 4-4	○	○	○		
6-1, 6-2	○	○	○		
6-3	○	○	○	◀	◀

-ALL SIGNAL INDICATIONS ARE 12" LED  
-ALL SIGNAL HEADS HAVE A BACKGROUND SHIELD

**LOOP DETECTOR CHART**

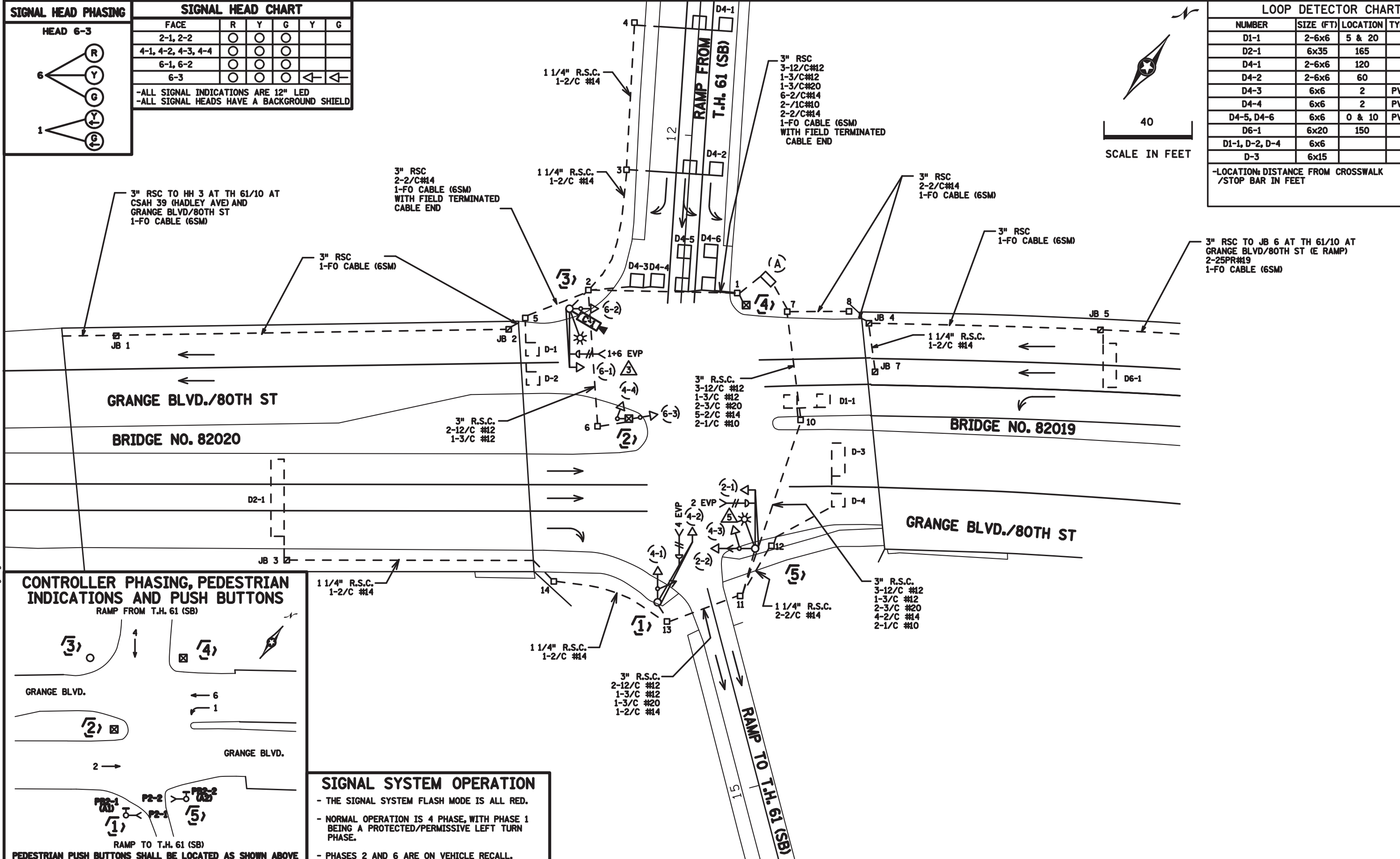
NUMBER	SIZE (FT)	LOCATION	TYPE
D1-1	2-6x6	5 & 20	
D2-1	6x35	165	
D4-1	2-6x6	120	
D4-2	2-6x6	60	
D4-3	6x6	2	PVC
D4-4	6x6	2	PVC
D4-5, D4-6	6x6	0 & 10	PVC
D6-1	6x20	150	
D1-1, D-2, D-4	6x6		
D-3	6x15		

-LOCATION: DISTANCE FROM CROSSWALK /STOP BAR IN FEET

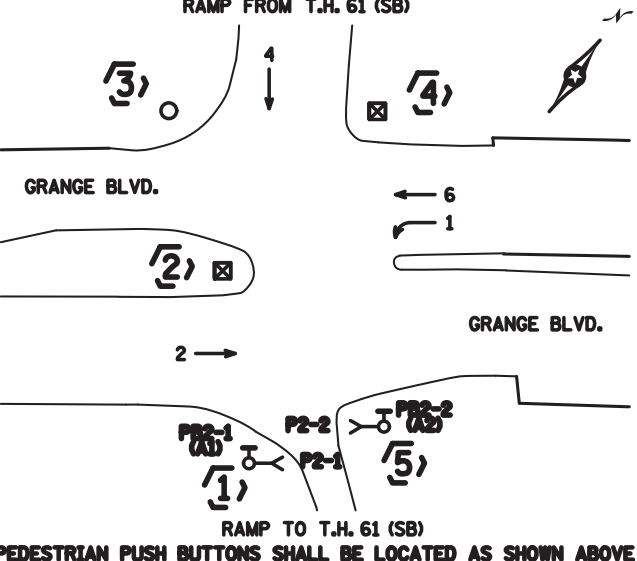


PLOTTED/REVISED: 10/30/2014

DISTRICT #: METRO  
PLOT NAME: layout  
PATH & FILENAME: IP\_PWP-d0779916\T21009LR\_sgl.dgn



**CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS**



**SIGNAL SYSTEM OPERATION**

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 4 PHASE, WITH PHASE 1 BEING A PROTECTED/PERMISSIVE LEFT TURN PHASE.
- PHASES 2 AND 6 ARE ON VEHICLE RECALL.

BY	DATE	REVISIONS
EJA	10-30-14	AS-BUILT OF SP 1913-75 FIBER & CAMERA

SYSTEM ID: 21009	T.E. 5867
METER ADDRESS: 8000 GRANGE BLVD	
MASTER ID:	T.E.

**INTERSECTION LAYOUT**  
T.H.61/10 AT GRANGE BLVD/80TH ST.(W.RAMP)  
IN COTTAGE GROVE, WASHINGTON COUNTY

S.A.P. NO.	DRAWN BY: SJK	CKD BY: EJA	DATE: 09-10-13
CERTIFIED BY: <i>Michael P. Liburdy</i>	LIC. NO. 19863	DATE: 09-10-13	
STATE PROJ. NO.	(T.H.61)	SHEET NO. 1 OF 3 SHEETS	

(A) CONTROLLER & CABINET  
 CITY UPS ON CABINET  
 EQUIPMENT PAD  
 EXTEND INTO HH 1:  
 4" R.S.C.  
 4-12/C #12  
 1-3/C #12  
 1-3/C #20  
 8-2/C #14  
 1-F0 CABLE (6SM)  
 1-3/C #14 (CAMERA POWER)  
 1-COM CABLE  
 1-COAXIAL CABLE

EXTEND INTO HH 7:  
 4" R.S.C.  
 3-12/C #12  
 1-3/C #12  
 2-3/C #20  
 7-2/C #14  
 1-F0 CABLE (6SM) WITH  
 FIELD TERMINATED  
 CABLE END

SIGNAL SERVICE CABINET  
 EXTEND INTO HH 1:  
 2" R.S.C.  
 2-1/C #10 (LUM)  
 EXTEND INTO HH 7:  
 2" R.S.C.  
 2-1/C #10

1) TYPE B-30  
 ONE WAY SIGNAL-OVERHEAD  
 TYPE 10B AT 270 DEG  
 ONE WAY EVP DETECTOR  
 AND LIGHT (PHASE 4)  
 1-C.D. PED HEAD AT 270 DEG  
 1-APS PB AND SIGN (LT ARROW) (PB 2-1)  
 1-SIGN R9-3 (FACING POLE 2)  
 EXTEND INTO HH 13:  
 3" R.S.C.  
 2-12/C #12  
 1-3/C #12  
 1-3/C #20

2) TYPE 2A PEDESTAL POLE AND BASE  
 2-SIGNS R9-3 (FACING POLES 1 AND 3)  
 EXTEND INTO HH 6:  
 3" R.S.C.  
 2-12/C #12  
 1-3/C #12

3) TYPE A-25-X6-350/CAM 400 (AT 350 DEG)  
 1-VIDEO CAMERA & MOUNT  
 ONE WAY SIGNAL-OVERHEAD  
 TYPE 10A POLE MOUNTED AT 270 DEG  
 ONE WAY EVP DETECTOR  
 AND LIGHT (PHASES 1+6)  
 LUMINAIRE-400 WATT H.P.S.  
 2-SIGNS R9-3 (FACING POLES 2 AND 4)  
 EXTEND INTO HH 2:  
 3" R.S.C.  
 3-12/C #12  
 3-3/C #12  
 1-3/C #20  
 2-1/C #10 (LUM)  
 1-7/16" GROUNDING BRAID  
 TO GROUND ROD IN HH 2  
 1-3/C #14 (CAMERA POWER)  
 1-COM CABLE  
 1-COAXIAL CABLE

4) PEDESTAL POLE AND BASE  
 2-SIGNS R9-3 (FACING POLES 3 AND 5)  
 EXTEND INTO HH 1:  
 3" R.S.C.  
 1-12/C #12  
 2-3/C #12

5) TYPE A-25-X30-3  
 ONE WAY SIGNAL-OVERHEAD  
 TYPE 20B AT 270 DEG  
 ONE WAY EVP DETECTOR  
 AND LIGHT (PHASE 4)  
 LUMINAIRE-400 WATT H.P.S.  
 1-C.D. PED HEAD AT 270 DEG  
 1-APS PB AND SIGN (RT ARROW) (PB2-2)  
 1-R9-3 SIGN (FACING POLE 4)  
 EXTEND INTO HH 11:  
 3" R.S.C.  
 3-12/C #12  
 2-3/C #12  
 1-2/C #14  
 1-3/C #20  
 2-1/C #10

BY	DATE	REVISIONS	SYSTEM ID: 21009	T.E. 5867	S.A.P. NO.	DRAWN BY: SJK	CKD BY: EJA	DATE: 09-10-13
EJA	10-30-14	AS-BUILT OF SP 1913-75 FIBER & CAMERA	METER ADDRESS: 8000 GRANGE BLVD		CERTIFIED BY: <i>Michael P. Liburdy</i>	LIC. NO. 19863	DATE: 09-10-13	
			MASTER ID:	T.E.	STATE PROJ. NO.	(T.H.61)	SHEET NO.	2 OF 3 SHEETS

**POLE AND GENERAL NOTES**  
 T.H.61/10 AT GRANGE BLVD/BOTH ST.(W.RAMP)  
 IN COTTAGE GROVE, WASHINGTON COUNTY

