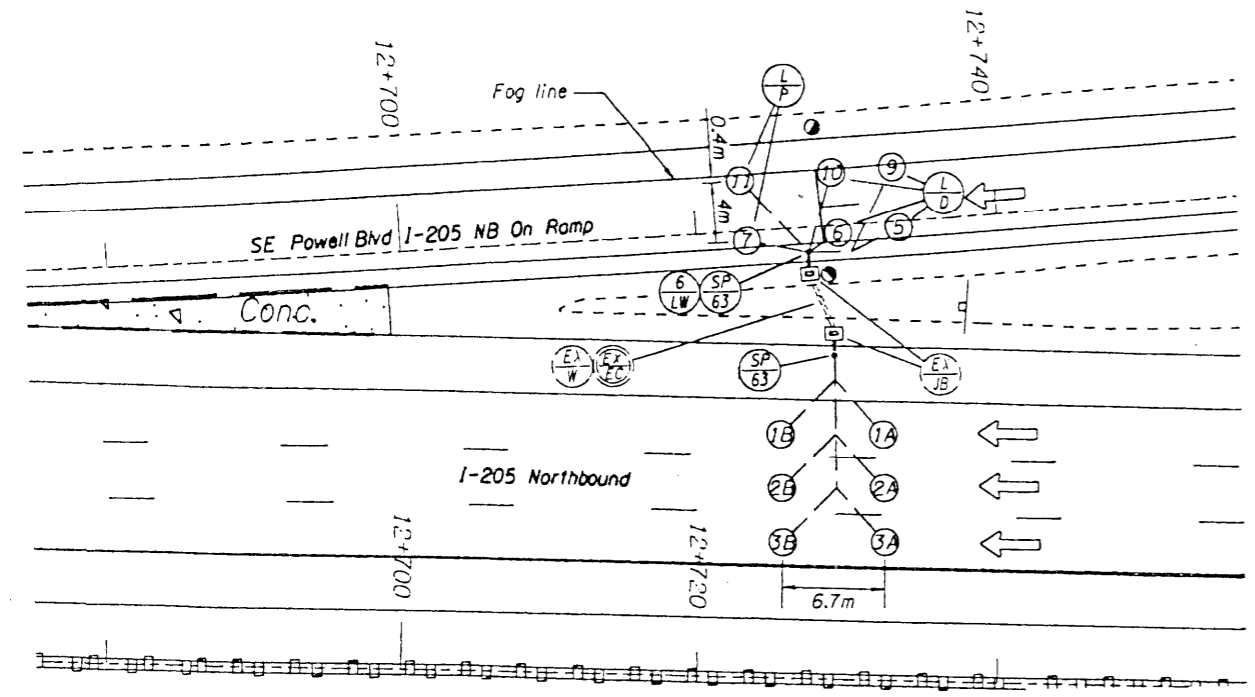




RAMP METER LOOP REPLACEMENT PLAN
SE POWELL BLVD. AT I-205 NB & SB
I-205



SE Powell Blvd @ I-205 NB Ramp Meter LOOP DETECTOR WIRING DIAGRAM
C=Count, P=Passage, D=Demand, Q=Queue
See T.M.S. Drwg. No. TM419 and TM433 for loop detector details. Center all loops in travel lanes or as shown on plan.

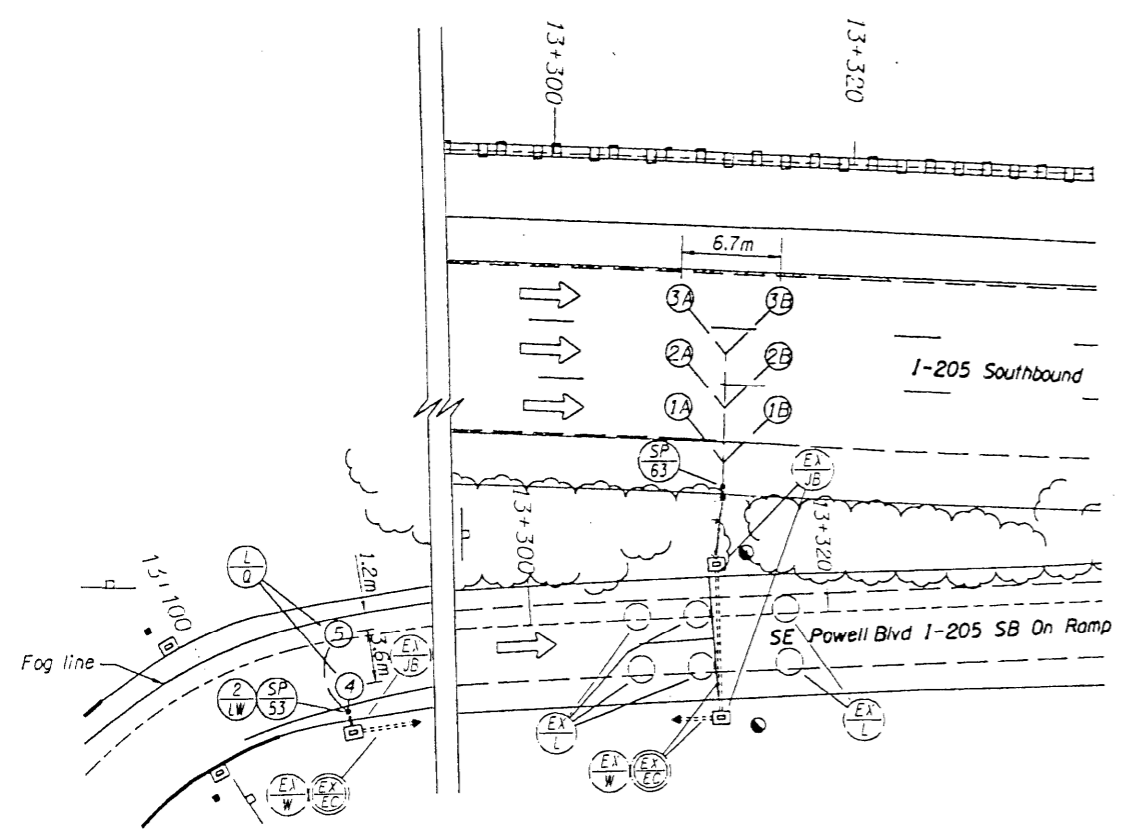
Loop Number	Phase	Function	Slot
1A	C	6L	6L
1B	C	6U	6U
2A	C	7L	7L
2B	C	7U	7U
3A	C	8L	8L
3B	C	8U	8U
4	1	Q	2U
5	1	D	4L
6	1	P	4U
7	2	Q	3L
8	2	D	5L
9	2	P	5U
10			
11			

Controller Cabinet

- LEGEND**
- Install 1.8 m round (F) function vehicle loop
 - Install (N=number) pair of loop wires
 - Install 150 mm max. sand pocket block-out with (S=size) mm conduit to junction box
 - Retain and protect existing vehicle detector loop
 - Retain and protect existing junction box
 - Retain and protect existing wiring
 - Retain and protect existing electrical conduit
- Function { D = Demand
C = Count
P = Passage
Q = Queue

General Notes:

- Information on this drawing compiled from T.M.S. Drwgs. 11553 & 12479.
- Field verify all equipment locations before construction.
- Splice new loops to existing loop feeder cables.



SE Powell Blvd @ I-205 SB Ramp Meter LOOP DETECTOR WIRING DIAGRAM
C=Count, P=Passage, D=Demand, Q=Queue
See T.M.S. Drwg. No. TM419 and TM433 for loop detector details. Center all loops in travel lanes or as shown on plan.

Loop Number	Phase	Function	Slot
1A	C	6L	6L
1B	C	6U	6U
2A	C	7L	7L
2B	C	7U	7U
3A	C	8L	8L
3B	C	8U	8U
4	S	1,2	Q — 2U
5	S	1	D — 4L
6	S	2	F — 4U
7	S	2	D — 5L
8	S	2	P — 5U
9	S		
10	S		
11	S		

Controller Cabinet

AS BUILT
AUG 16 2006
SUNDOWN ELECTRIC CO.

"AS CONSTRUCTED"
Date 4-3-07 Project Mgr

"UTILITIES NOT SHOWN"
Contractor to contact utility companies for field locations.

REGISTERED PROFESSIONAL ENGINEER
13,103
David W. Greenberg
JULY 26, 1985
DAVID W. GREENBERG
Expires June 30, 2005

OREGON DEPARTMENT OF TRANSPORTATION
TRAFFIC MANAGEMENT SECTION
TRAFFIC SIGNAL INSTALLATION
I-205: COLUMBIA R. BR. - WILLAMETTE R. BR. (UNIT 2) SEC.
EAST PORTLAND FREEWAY
MULTNOMAH & CLACKAMAS COUNTIES

DESIGNED BY: D. Harper
CHECKED BY: J. Jenkins
DRAWN BY: D. Harper
FC: 064-19.12

ACCOMPANIED BY DWGS: TM402-TM410, TM416-TM419, TM421-TM423, TM426-TM428, TM433, TM435, TM507, TM622-TM624, T.M.S. 13616 through T.M.S. 13634

T.M.S. DWG. NO. **13615**