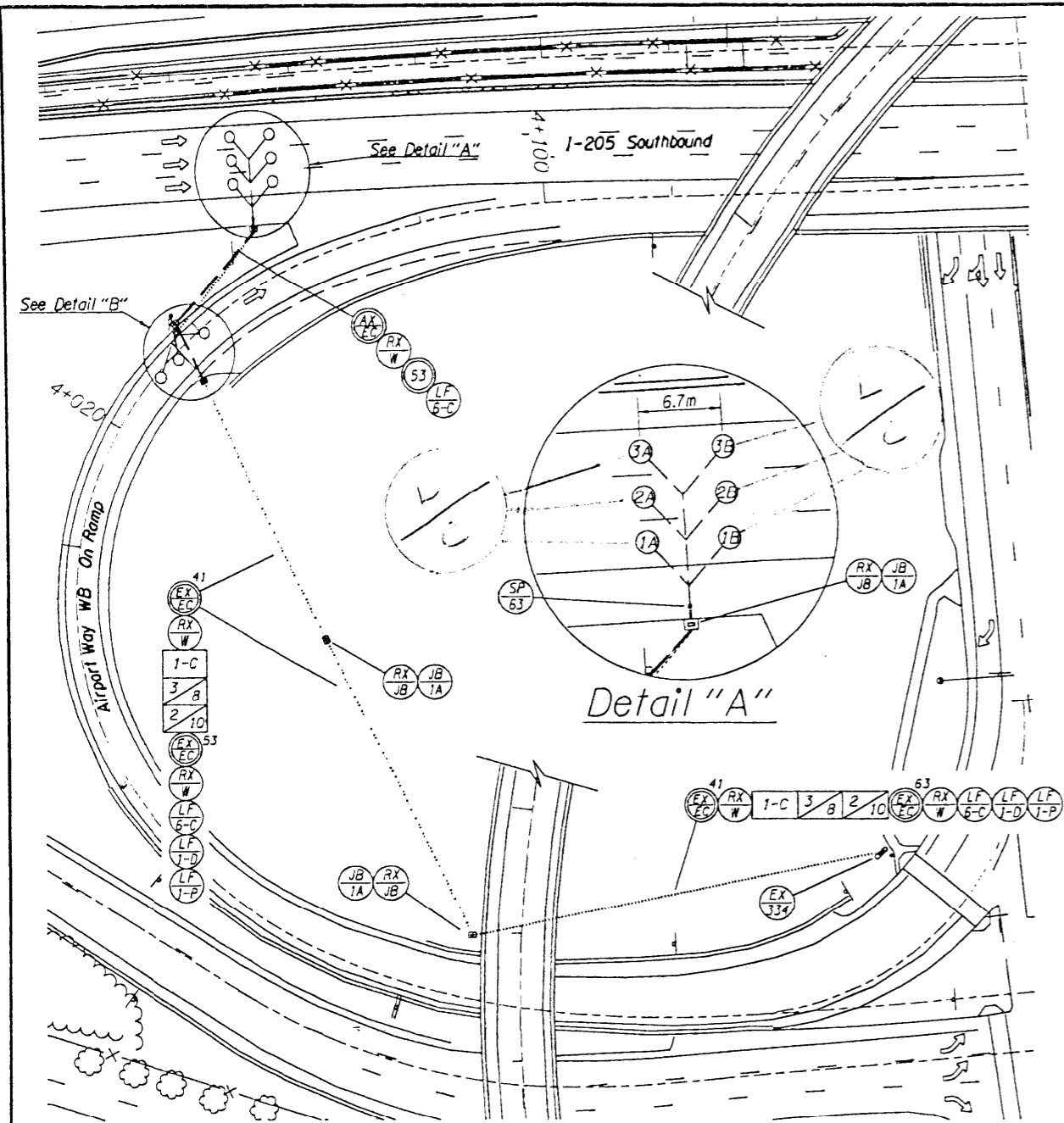
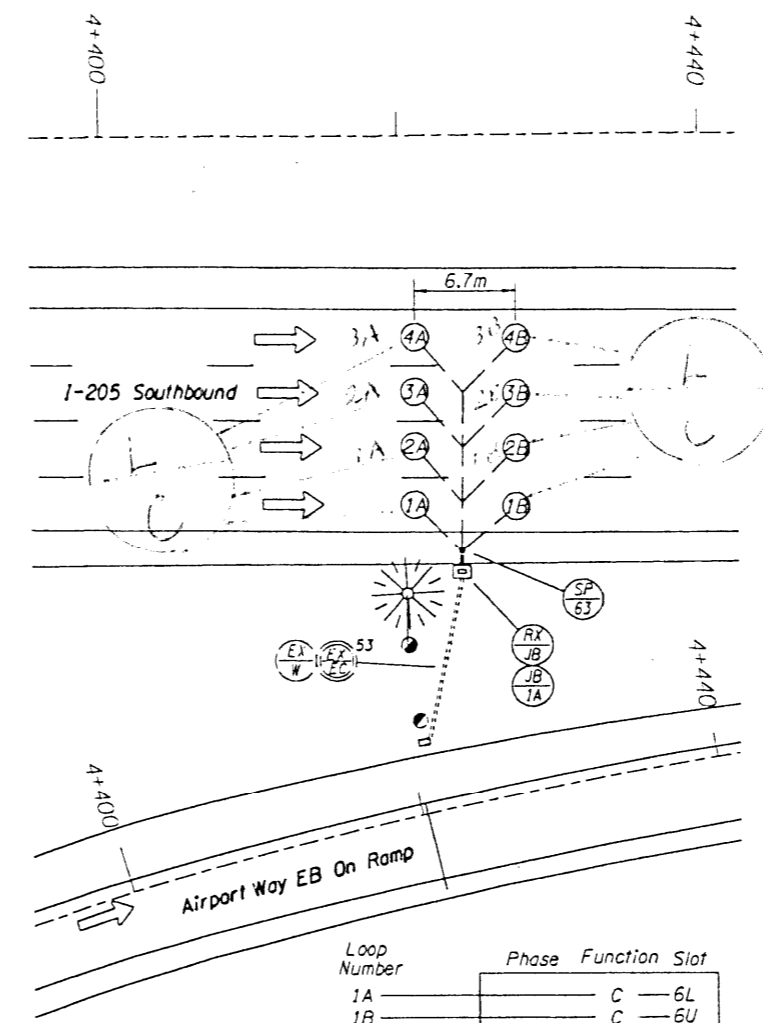




RAMP METER LOOP REPLACEMENT PLAN AIRPORT WAY WB & EB AT I-205 SB I-205



Detail "A"



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

Controller Cabinet

- LEGEND**
- (S) Install (S=size) mm electrical conduit
 - (HDD) Install conduit by horizontal directional drilling, open trench not allowed
 - (CI) Intercept existing electrical conduit and reroute into junction box shown
 - (L) Install (F) function 1.8 m round vehicle loop
 - (LF) Install (X=number of cables) function (F) loop feeder cables
 - (N) Install (N=number) pair of loop wires
 - (SP) Install 150 mm max. sand pocket block-out with (S=size) mm conduit to junction box
 - (JB) Install 440 mm x 265 mm x 305 mm (min. dimension) precast concrete junction box with concrete apron
 - (EX 334) Retain and protect existing Model 334 cabinet
 - (EX VP) Retain and protect existing vehicle signal pedestal
 - (EX W) Retain and protect existing wiring
 - (EX EC) Retain and protect existing electrical conduit size (S=size) mm
 - (RX JB) Remove existing junction box
 - (RX W) Remove existing wiring
 - (AX EC) Abandon existing conduit

"AS CONSTRUCTED"

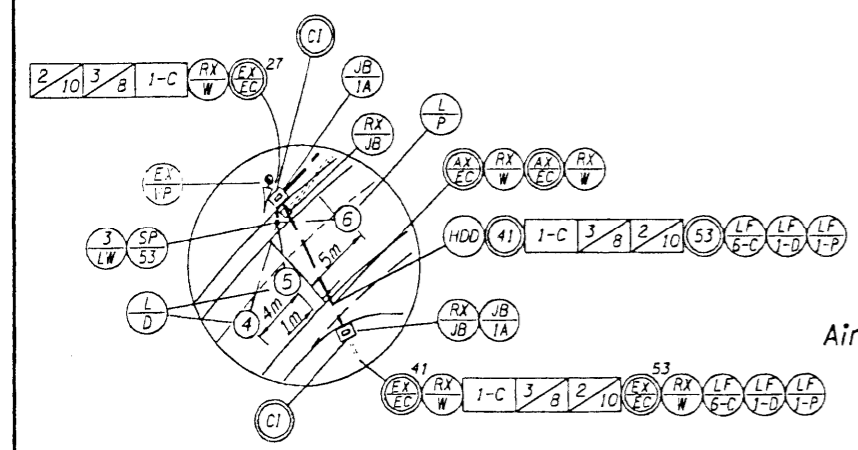
Date 4-2-07 Project Mgr

Airport Way EB @ I-205 SB Ramp Meter
LOOP DETECTOR WIRING DIAGRAM

C=Count, P=Passage, D=Demand
See T.M.S. Drwg. No. TM419 and TM433 for loop detector details. Center all loops in travel lanes or as shown on plan.

AUG 16 2006

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



Detail "B"

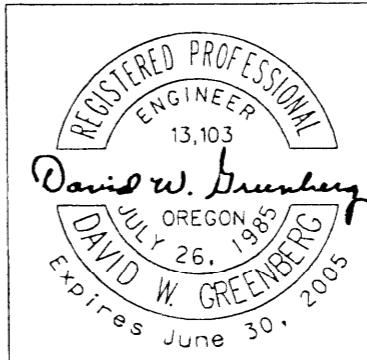
Loop Number	Phase	Function	Slot
1A	C	6L	
1B	C	6U	
2A	C	7L	
2B	C	7U	
3A	C	8L	
3B	C	8U	
4	1	D	4L
5	1	P	4U
6			

Controller Cabinet

Airport Way WB @ I-205 SB Ramp Meter
LOOP DETECTOR WIRING DIAGRAM

C=Count, P=Passage, D=Demand
See T.M.S. Drwg. No. TM419 and TM433 for loop detector details. Center all loops in travel lanes or as shown on plan.

- General Notes:**
- Information on this drawing compiled from T.M.S. Drwgs. 10052 & 10053.
 - Field verify all equipment locations before construction.



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 & CLATSOP COUNTIES

DESIGNED BY: D. Harper
CHECKED BY: J. Jenkins
DRAWN BY: D. Harper
FC: 064-24.75

T.M.S. DWG. NO. 13618