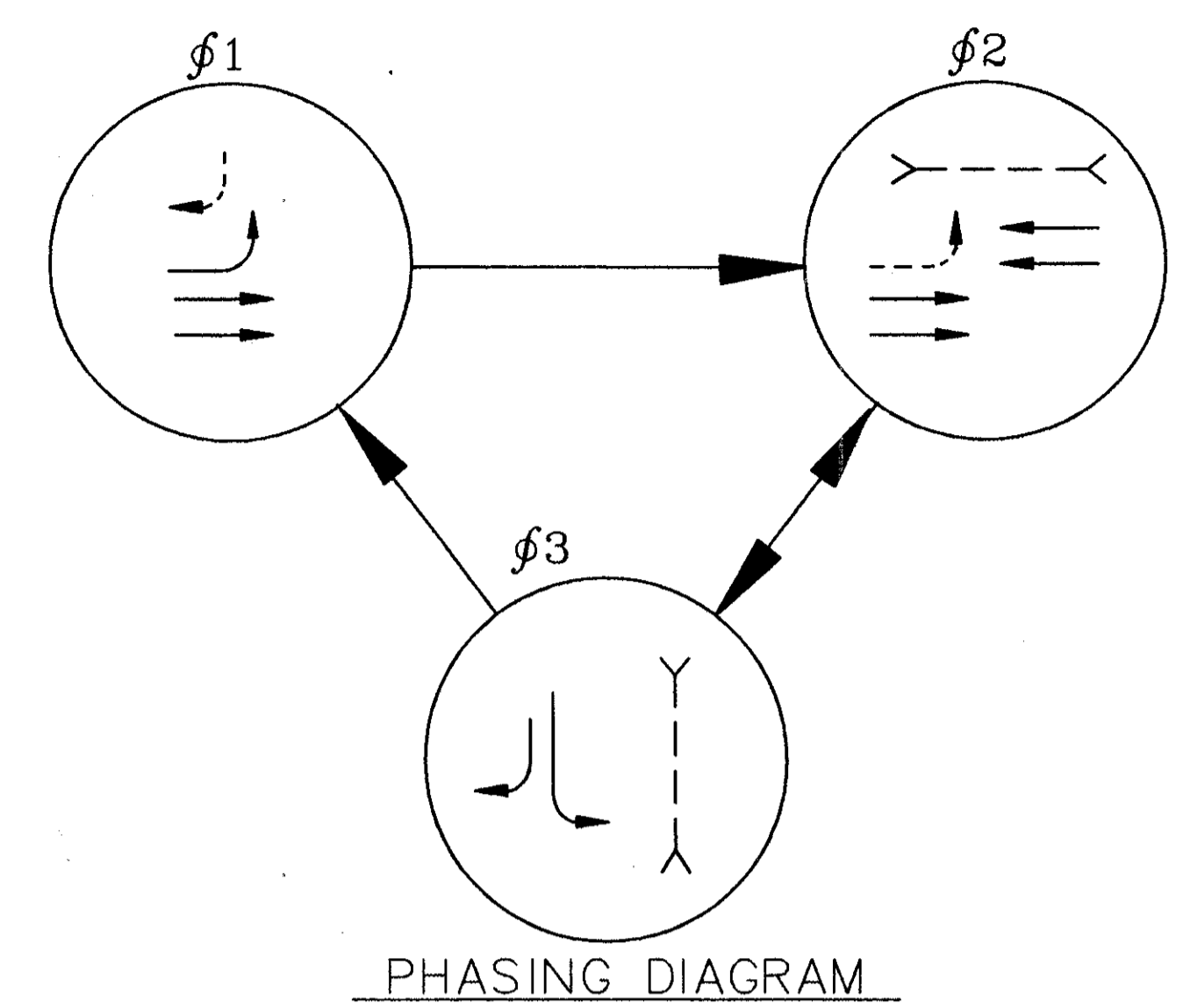


PROJECT 1094-92
CHANGE ORDER

BID REF. #	SUB SUMMARY		UNIT
	ITEM EXT.	DESCRIPTION	
NON-BID 202	32000	CURB REMOVAL	LF. 15
86	630 0300	GROUND MOUNTED SUPPORT, N 3 POST	LF. 27
NON-BID 608	54000	CURB RAMP, TYPE 2	SQ. FT. 63
91	630 80102	SIGN, FLAT SHEET, TYPE G	SQ. FT. 22.5
85	625 32000	GROUND ROD	EACH 5
83	625 30500	PULL BOX, 713.08, 18"	EACH 1
84	625 30706	PULL BOX, 713.08, 24"	EACH 4
82	625 29000	TRENCH	LN FT. 96
79	625 25400	CONDUIT, 2", 713.07, TYPE DB	LN FT. 83
80	625 25500	CONDUIT, 3", 713.04	LN FT. 238
69	625 25900	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"	LN FT. 130
90	630 80100	SIGN, FLAT SHEET	SQ. FT. 14
NON-BID 630	86900	REMOVAL OF OVERHEAD MOUNTED SIGNS	EACH 2
103	632 00301	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 1-WAY, AS PER PLAN	EACH 5
104	632 00501	VEHICULAR SIGNAL HEAD, 5 SECTION, 12" LENS, 1-WAY, AS PER PLAN	EACH 1
127	632 89900	PEDESTAL, 8' TRANSFORMER BASE	EACH 2
105	632 20601	PEDESTRIAN SIGNAL HEAD, TYPE D2, AS PER PLAN	EACH 4
107	632 26000	PEDESTRIAN PUSHBUTTON	EACH 4
108	632 27009	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN	EACH 3
109	632 27500	LOOP DETECTOR PAVEMENT CUTTING	LN FT. 226
120	632 72000	CONCRETE FOR ANCHOR BASE FOUNDATION	CU YDS. 7.0
NON-BID 632	80600	SIGNAL SUPPORT, TYPE TC-81.20 DESIGN NO.12, W/46' ARM	EACH 1
NON-BID 632	80400	SIGNAL SUPPORT, TYPE TC-81.20	
		DESIGN NO. 4 POLE, WITH MASTARMS TC-81.20 DESIGN NO.2	
		30', TC-81.20 DESIGN NO. 3, 33'	EACH 1
118	632 70400	CONDUIT RISER, 2" DIA.	EACH 1
119	632 71000	CABLE SUPPORT ASSEMBLY	EACH 2
111	632 40500	SIGNAL CABLE, 5 CONDUCTOR, No. 14 AWG	LN FT. 326
112	632 40700	SIGNAL CABLE, 7 CONDUCTOR, No. 14 AWG	LN FT. 768
114	632 64900	LOOP DETECTOR WIRE, TYPE E	LN FT. 585
115	632 65200	LOOP DETECTOR LEAD-IN CABLE	LN FT. 1791
116	632 67200	POWER CABLE, 2 CONDUCTOR, No. 8 AWG	LN FT. 72
117	632 70000	POWER SERVICE	EACH 1
106	632 25000	COVERING OF VEHICULAR SIGNAL HEAD	EACH 6
146	633 34001	CONTROLLER, ACTUATED 4 PHASE, SOLID STATE DIGITAL, MICROPROCESSOR, AS PER PLAN	EACH 1
131	633 62000	COORDINATOR, MULTI-DIAL, SOLID STATE DIGITAL MICROPROCESSOR, SECONDARY	EACH 1
132	633 70000	CONCRETE FOR CABINET FOUNDATION	CU YDS. 1
NON-BID 630	75000	SIGN ATTACHMENT ASSEMBLY	EACH 3
135	642 00202	LANE LINE, TYPE 2	MILE 0.1
136	642 00302	CENTER LINE, TYPE 2	MILE 0.1
137	642 00402	CHANNELIZING LINE, TYPE 2	LF. 107
138	642 00502	STOP LINE, TYPE 2	LF. 55
139	642 00602	CROSSWALK LINE, TYPE 2	LF. 135
142	642 01302	LANE ARROW, TYPE 2	EACH 4
143	642 01402	WORD ON PAVEMENT, 72", TYPE 2	EACH 1
140	642 00702	TRANSVERSE LINE, TYPE 2	LN FT. 30

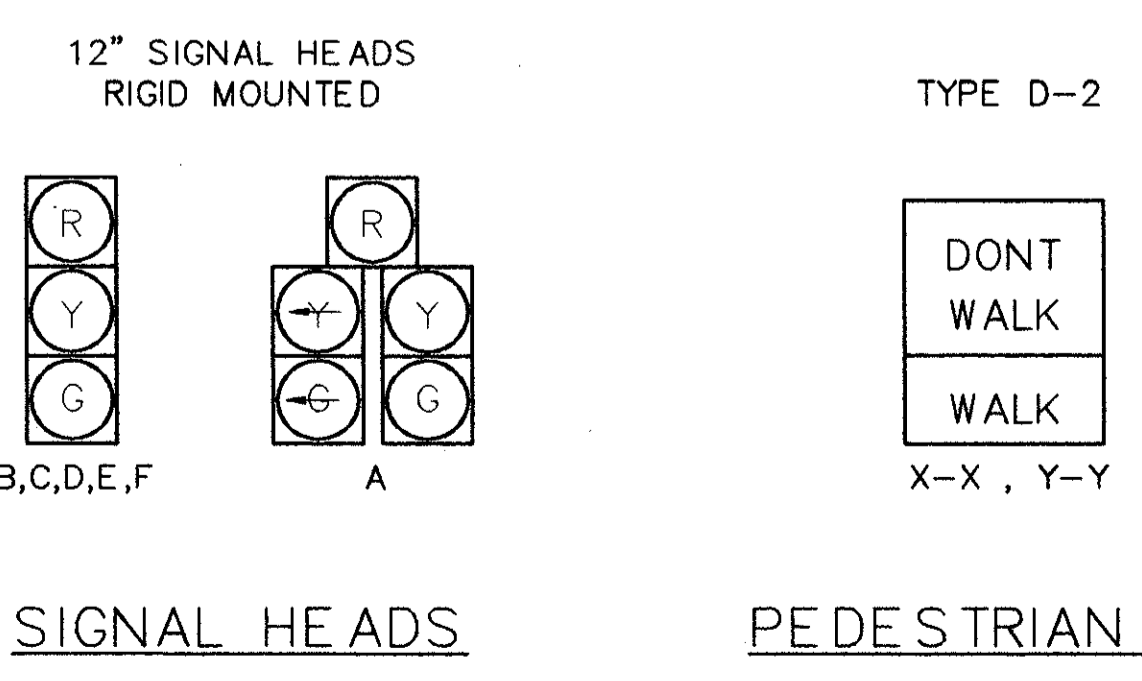
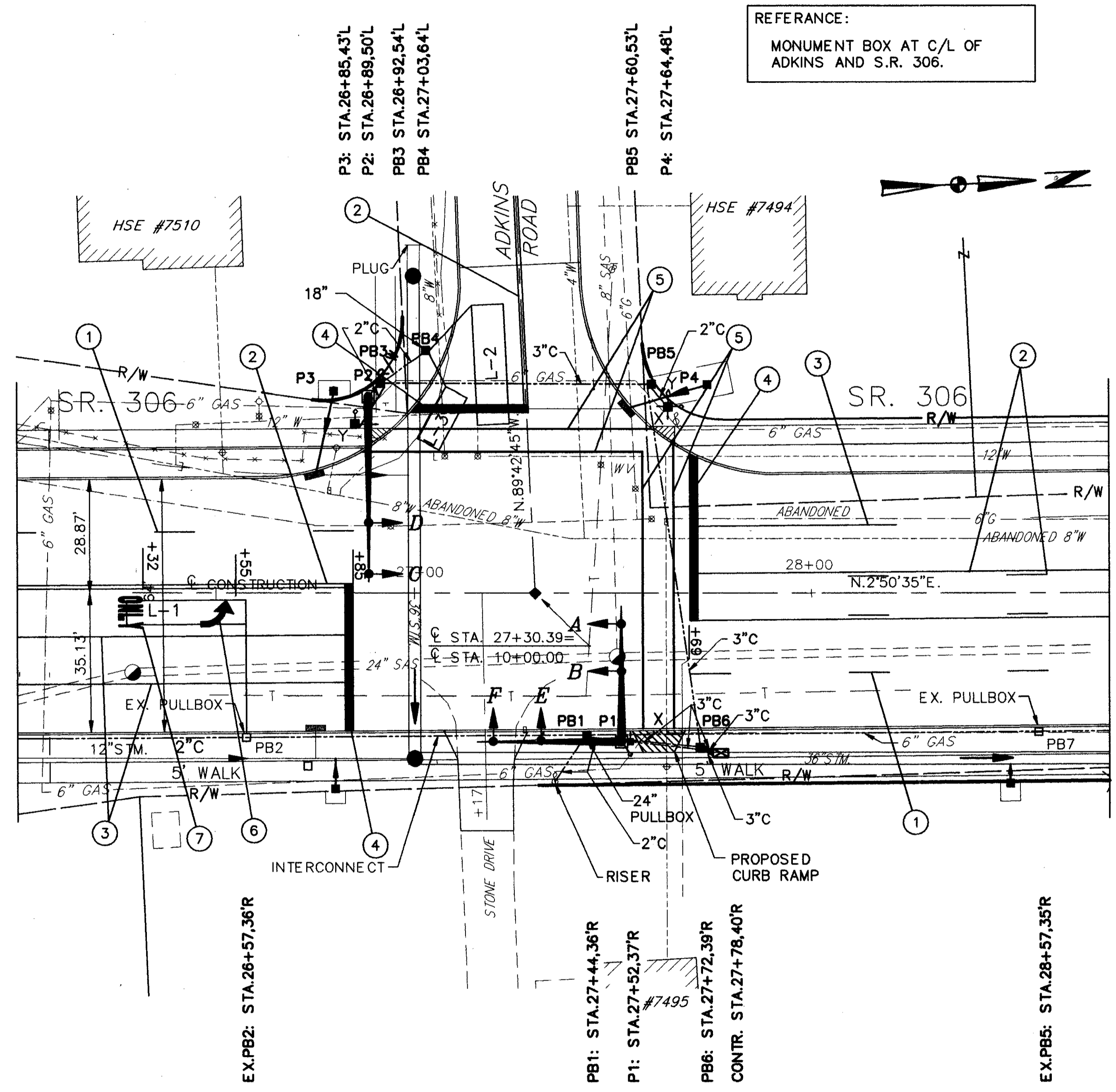


SIGNAL HEAD	φ1		φ2		φ3		FLASH	DWELL
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR		
A	G	G	G	Y	R	R	R	Y
B	G	G	G	Y	R	R	R	Y
C	R	R	G	Y	R	R	R	Y
D	R	R	G	Y	R	R	R	Y
E	R	R	R	R	R	G	G	Y
F	R	R	R	R	R	G	G	Y
X-X	DW	DW	DW	DW	DW	W	FDW	DW
Y-Y	DW	DW	W	FDW	DW	DW	DW	OUT

SIGNAL SEQUENCE CHART

FUNCTION	φ1	φ2	φ3
INITIAL GREEN	5.0	-	5.0
MINIMUM GREEN	-	30.0	-
VEHICLE EXTENSION	2.5	-	3.0
MAXIMUM GREEN	20.0	-	20.0
PEDESTRIAN WALK	-	7.0	7.0
PEDESTRIAN CLEARANCE	-	13.0	15.0
VEHICLE YELLOW CLEARANCE	3.0	3.0	3.0
VEHICLE ALL RED CLEARANCE	0.7	1.0	1.0
RECALL	NO	YES	NO
MEMORY	NO	NO	NO

SIGNAL TIMING CHART



LOOP	SIZE	TURNS	MODE	DELAY	PHASE	REMARK	INHIBITED DELAY	LOCATION 1st FRONT CORNER	LOCATION 2nd FRONT CORNER
L-1	6X30	2	PRESENCE	4.0	φ1	STANDARD	YES	STA.26+58.2'R	STA.26+58.8'R
L-2	8X30	2	PRESENCE	6.0	φ3	STANDARD	YES	STA.27+16.43'L	STA.27+24.43'L
L-3	6X15	2	PRESENCE	20.0	φ3	STANDARD	YES	STA.27+01.37'L	STA.27+06.39'L

LOOP DETECTOR CHART

- LEGEND
- ① LANE LINE
 - ② CENTER LINE
 - ③ CHANNELIZING LINE
 - ④ STOP LINE
 - ⑤ CROSSWALK LINE
 - ⑥ LANE ARROW
 - ⑦ WORD ON PAVEMENT