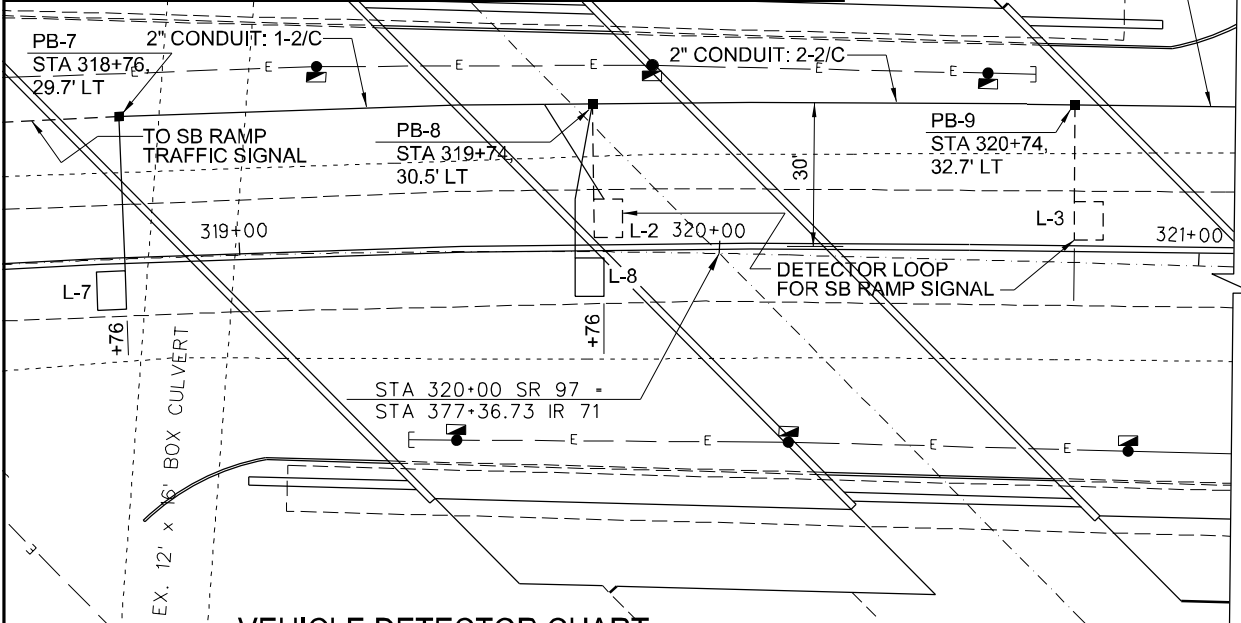
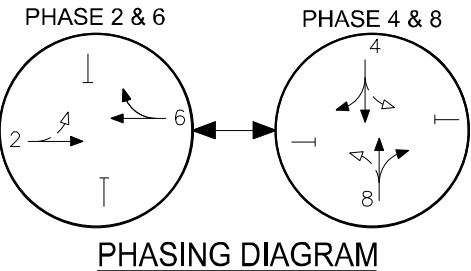
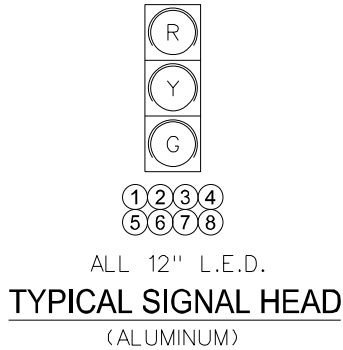


ESTIMATED QUANTITIES - PROJ. 233-05

REF.NO.	ITEM	UNIT	DESCRIPTION	QTY.
1	603	LIN.FT.	4" CONDUIT, TYPE E (**AS DIRECTED BY ENGINEER)	**
7	625	LIN.FT.	CONDUIT, 725.04, 1"	90
8	625	LIN.FT.	CONDUIT, 725.05, 1-1/2"	231
9	625	LIN.FT.	CONDUIT, 725.05, 2"	256
10	625	LIN.FT.	CONDUIT, 725.05, 3"	68
11	625	LIN.FT.	CONDUIT JACKED OR DRILLED UNDER PVMT, 2"	60
12	625	LIN.FT.	CONDUIT JACKED OR DRILLED UNDER PVMT, 3"	65
16	625	EACH	PULL BOX, 725.08, 18"	8
17	625	EACH	PULL BOX, 725.08, 24"	1
20	625	EACH	GROUND ROD, APP	3
34	632	EACH	VEH. SIGNAL HEAD, 3-SECTION, 12" LENS, 1-WAY, APP	2
36	632	EACH	VEH. SIGNAL HEAD, 3-SECTION, 12" LENS, 2-WAY, APP	3
41	632	EACH	LOOP DETECTOR UNIT, DELAY & EXTENSION TYPE, APP	9
43	632	LIN.FT.	MESS. WIRE, 7-STRAND, 1/4" DIA W/ ACCESS., APP	146
44	632	LIN.FT.	MESS. WIRE, 7-STRAND, 3/8" DIA W/ ACCESS., APP	146
46	632	LIN.FT.	SIGNAL CABLE, 5/C, NO. 14 AWG	624
50	632	EACH	STRAIN POLE FOUNDATION, APP	2
54	632	LIN.FT.	LOOP DETECTOR LEAD-IN CABLE, 2/C, NO. 14 AWG	2302
55	632	LIN.FT.	POWER CABLE, 2/C, NO. 6 AWG	41
56	632	LIN.FT.	POWER CABLE, 3/C, NO. 6 AWG	35
58	632	EACH	POWER SERVICE, APP	1
113	632	EACH	STRAIN POLE EXTENSION W/ 30' LUMINAIRE ARM	1
65	632	EACH	STRAIN POLE, TYPE TC-81.10, D-10, 32'	2
78	632	EACH	METER BASE, 125 AMP W/ BYPASS	1
84	632	EACH	VIDEO DETECTION CAMERA	1
85	632	EACH	VIDEO DETECTION CABINET HARDWARE	1
89	632	LIN.FT.	LOOP DETECTOR WIRE, TYPE E, APP	2112
94	633	EACH	CONTROLLER UNIT, TS2/A2, W/ CABINET TS1 (8-PHASE)	1
95	633	EACH	CABINET FOUNDATION, APP	1
96	633	EACH	CONTROLLER WORKPAD, APP	1
99	633	EACH	BATTERY BACKUP SYSTEM WITHOUT ENCLOSURE, APP	1
123	633	EACH	GPS TIME CLOCK SYNCHRONIZER	1

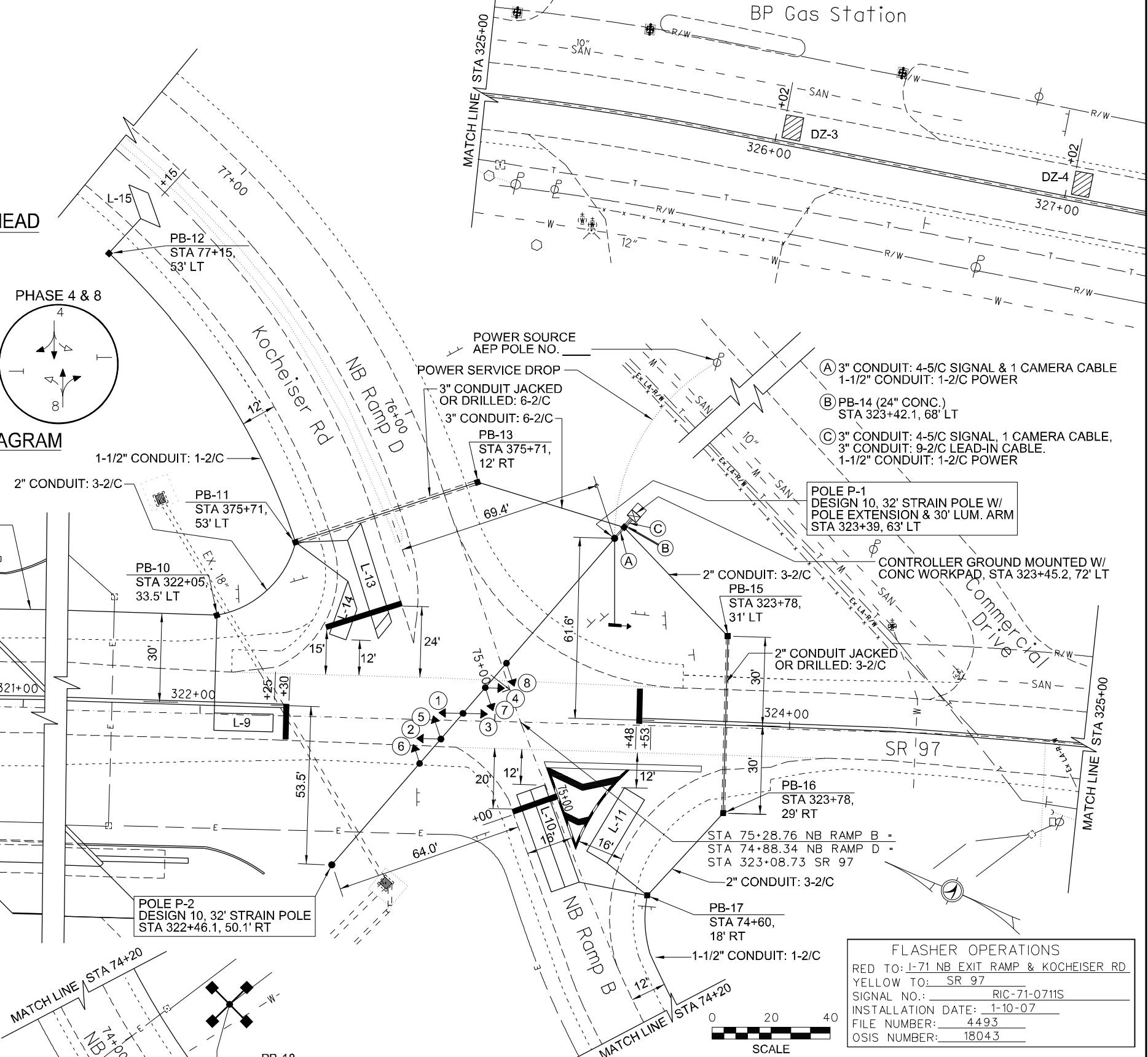
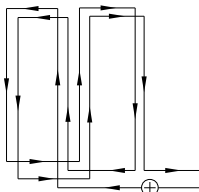


VEHICLE DETECTOR CHART

LOOP OR DETECTION ZONE NO.	SIZE (FT.)	NO. OF TURNS	MODE	DELAY (SEC.)	DETECTOR UNIT NO.	ASSOCIATED CONTROLLER PHASE
L-7	6X8	4	PULSE		1	2
L-8	6X8	4	PULSE		2	2
L-9	6X20	3	PRESENCE		3	2
L-10	10X35	2-4-2	PRESENCE	8 *	4	8
L-11	8X25	3	PRESENCE	8 *	5	8
L-12	6X10	4	PULSE	3 *	6	8
L-13	6x35	3+3	PRESENCE	8 *	7	4
L-14	6X18X11X9	3	PRESENCE	8 *	8	4
L-15	A=4.5'	4	PULSE	3 *	9	4
DZ-3	6X8	NA	PULSE		NA	6
DZ-4	6X8	NA	PULSE		NA	6

* INHIBIT DELAY DURING ASSOCIATED PHASE GREEN INTERVAL

DETECTOR LOOP L-10 LAYOUT



FLASHER OPERATIONS

RED TO: I-71 NB EXIT RAMP & KOCHERISER RD
YELLOW TO: SR 97
SIGNAL NO.: RIC-71-0711S
INSTALLATION DATE: 1-10-07
FILE NUMBER: 4493
OSIS NUMBER: 18043

DATE	REVISIONS	DATE INSTALLED
9/2014	REPAIR LOOPS L-13, L-14 & L-15	

OHIO DEPARTMENT OF TRANSPORTATION		
ELECTRICAL INSTALLATION LOCATED AT		
I-71 NB Ramp / Kocheiser Rd @ SR 97		
SIGNAL NO. RIC-71-0711S (State SLM 165.24)		
District 3	County RICHLAND	
DESIGNED RJR 10/06	DRAWN RJR 10/06	REVIEWED
		Sheet No. 1 of 1