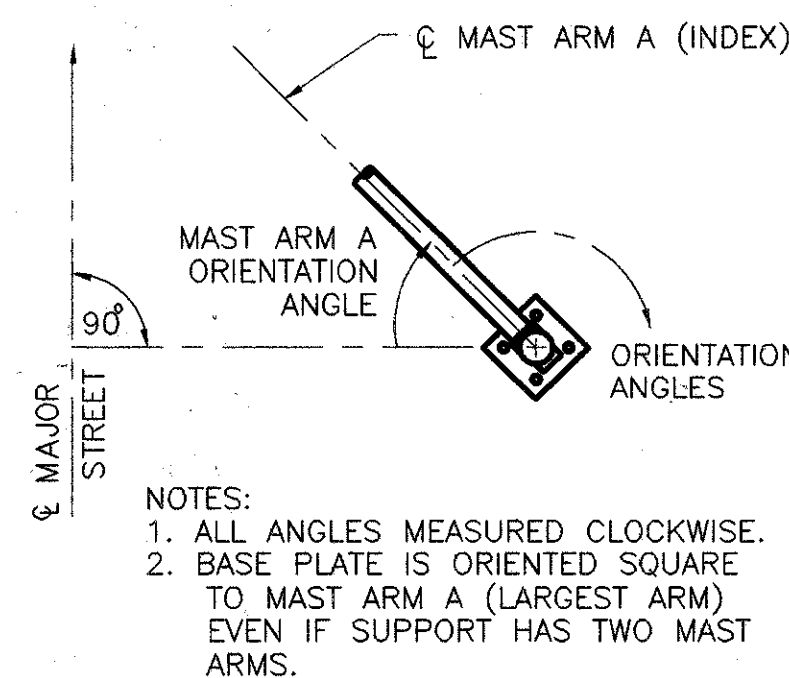
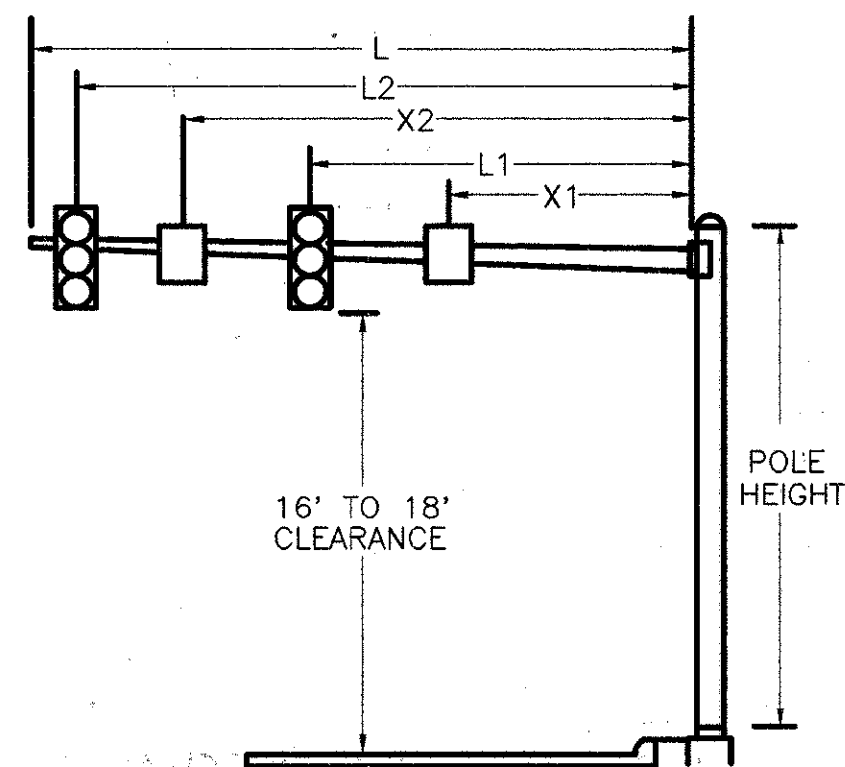


SIGNAL HEAD	ø1			ø2			ø4			FLASH	
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR			
A	R	R	R	G	G	Y	R	R	R	Y	
B	R	R	R	G	G	Y	R	R	R	Y	
C	R	R	R	G	G	Y	R	R	R	Y	
D	R	R	R	G	G	Y	R	R	R	Y	
E	R	R	R	R	R	R	G	G	Y	R	
F	R	R	R	R	R	R	G	G	Y	R	
G	G	Y	R	R	R	R	R	R	R	R	
H	G	Y	R	R	R	R	R	R	R	R	
J	G	Y	R	R	R	R	R	R	R	R	
K	G	Y	R	R	R	R	R	R	R	R	
R-R	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DARK
S-S	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	DARK
T-T	DW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DARK

SIGNAL DISPLAY CHART

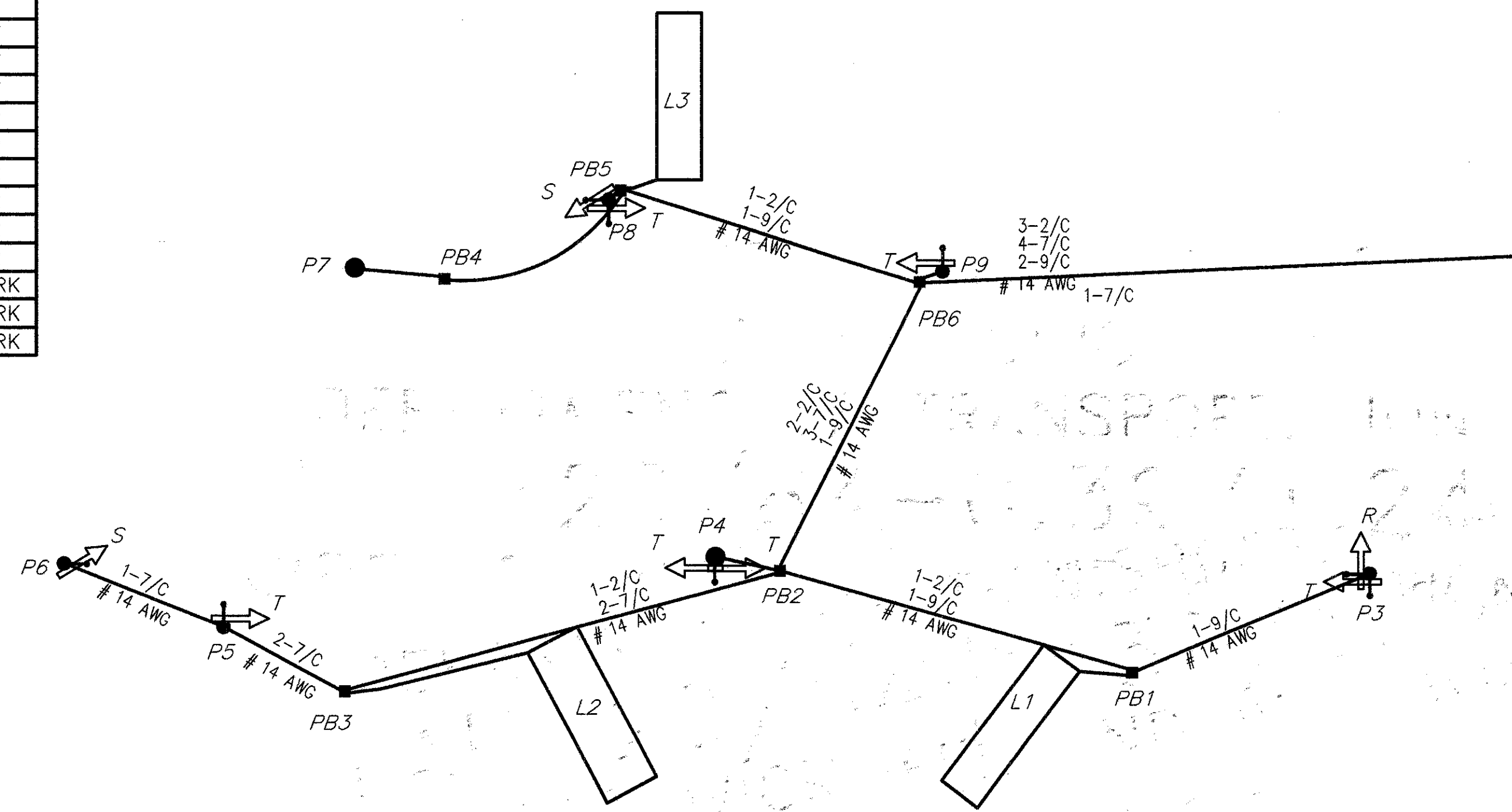
FUNCTION	ø1	ø2	ø4
MINIMUM GREEN	8	25	8
PED WALK	7	7	7
PED CLEARANCE	12	18	20
GREEN EXTENSION	3.5	-	3.5
MAXIMUM GREEN	19	34	27
YELLOW CLEARANCE	3.1	3.6	3.1
ALL RED CLEARANCE	1.4	1.9	1.4
RECALL	NONE	MAX	NONE

SIGNAL TIMING

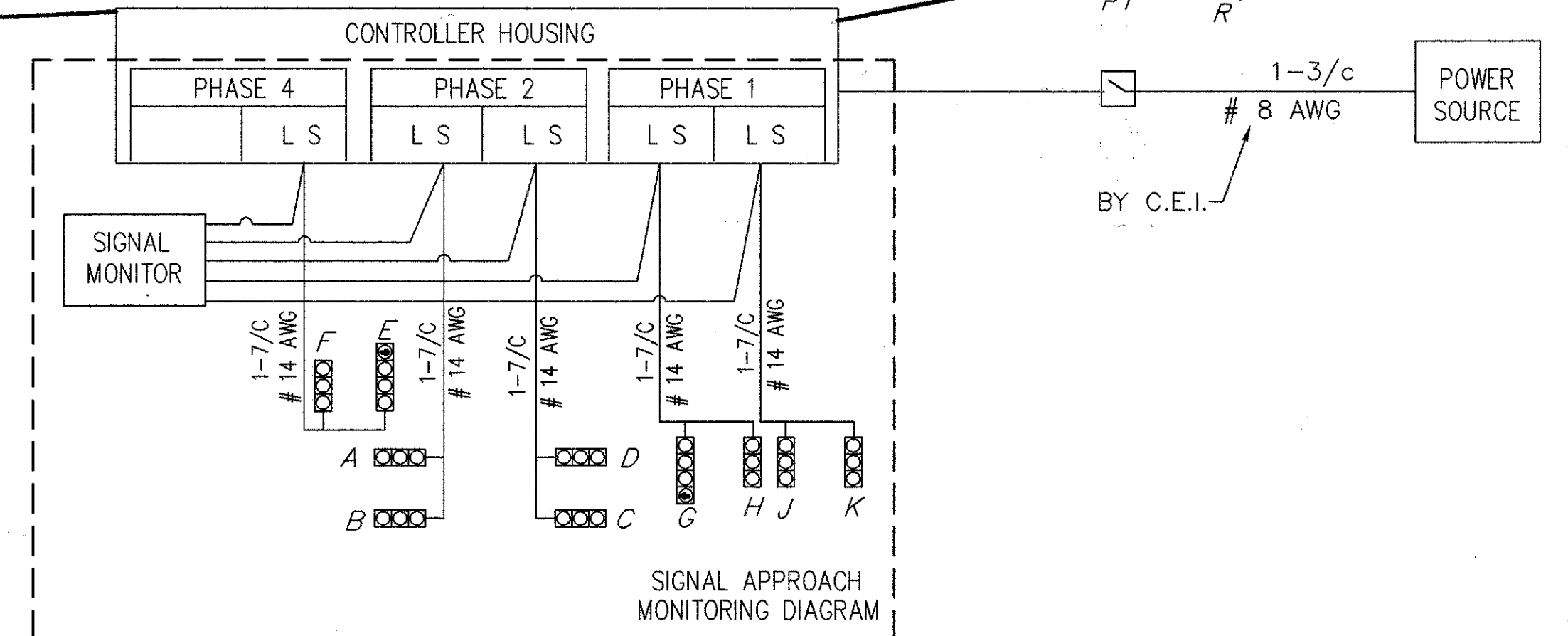


SUPPORT NO.	SIGNAL SUPPORT		FOUNDATION								ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"							
	TC-81.20	TC-12.30	L	L1	L2	L3	L4	X1	X2	MAST ARM A ANGLE (DEG.)	MAST ARM B	PEDESTRIAN SIGNALS	PEDESTRIAN PUSH BUTTONS	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)
	POLE DESIGN NO.	ARM DESIGN NO.																
P1	1	1	20'	254+59	20'L	17	6	16										270
P2	PED		8'	254+73	23'L					0	270	270					180	
P3	PED		8'	254+94	23'R					0	180	180					270	
P4	11	4	20'	254+03	22'R	34	6	18	21	33	3	30	0	180	180		180	
P5	PED		8'	253+27	32'R					0	0	0					180	
P6	PED		8'	253+04	22'R					0	135	90					180	
P7	1	1	20'	253+46	21'L	17	6	16									180	
P8	PED		8'	253+83	31'L					0	135	90					180	
P9	PED		8'	254+31	21'L					0	180	180					180	

ORIENTATION ANGLE CHART



WIRING DIAGRAM



ITEM	TOTAL	UNIT	DESCRIPTION
202	260	SQ FT	WALK REMOVED
608	260	SQ FT	4" CONCRETE WALK
625	10	EACH	GROUND ROD
625	7	EACH	PULLBOX, MISC; AS PER PLAN
625	207	LIN FT	CONDUIT, 2", 713.04
625	20	LIN FT	CONDUIT, 4", 713.04
625	220	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	208	LIN FT	TRENCH
625	19	LIN FT	TRENCH IN PAVED AREA, TYPE "B"
630	2	EACH	SIGN HANGER ASSEMBLY, MAST ARM, AS PER PLAN
630	17	SQ.FT.	SIGNS, FLAT SHEET, TYPE G
632	8	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	2	EACH	VEHICULAR SIGNAL HEAD, 4 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	10	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2
632	9	EACH	PEDESTRIAN PUSHBUTTON
632	1	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	2	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
632	7.96	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATION
632	2	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 1, WITH 17' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 11 WITH MAST ARMS
			TYPE TC-81.20, DES. 4, 34' AND TYPE TC-81.20, DES. 1, 17'
632	6	EACH	PEDESTAL, 8", TRANSFORMER BASE
632	3	EACH	CABLE SUPPORT ASSEMBLY
632	262	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	1246	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	471	LIN FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
632	1	EACH	PHONE DROP
632	584	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	392	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	85	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	CONDUIT RISER, 1 1/2"
632	10	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
633	8.33	SQ FT	CONTROLLER WORK PAD
633	0.99	CU YD	CONCRETE FOR CABINET FOUNDATION
633	1	EACH	CONTROLLER, ACTUATED, 4 PHASE, SOLID STATE DIGITAL MICROPROCESSOR, AS PER PLAN

LOOP #	SIZE	# TURNS	MODE	DELAY	UNIT #	PHASE
L1	6' x 30'	2	PRESENCE	8	1	1
L2	8' x 30'	2	PRESENCE	0	2	1
L3	8' x 30'	2	PRESENCE	8	3	4

LOOP DETECTOR CHART