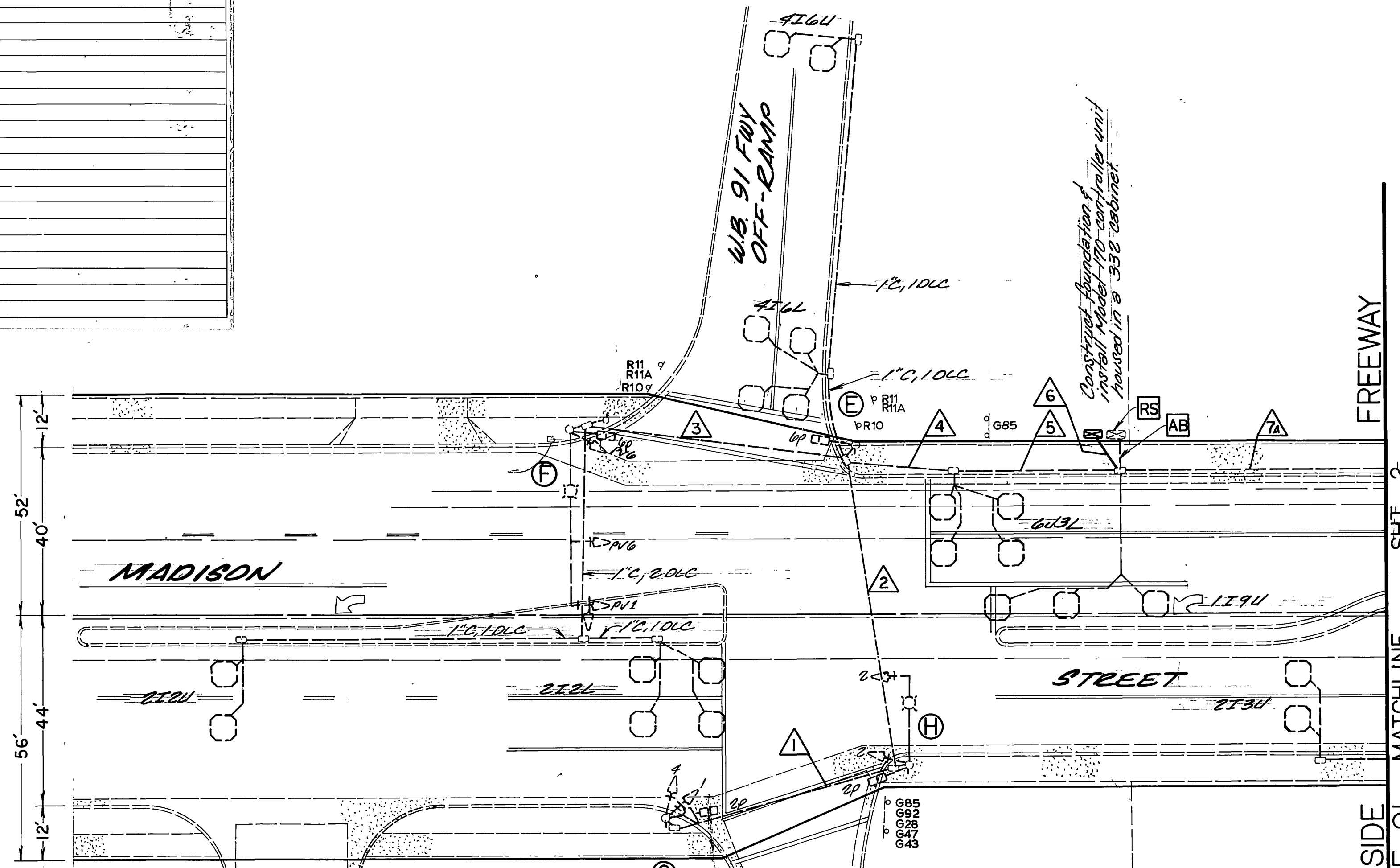


EQUIPMENT SCHEDULE

LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE WATTAGE	INT ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB			
A	1C(7)				1W2C	TP-1	1			
B	Type 19	1W3C	MAT	1				200		
		1W3C	MAS	1						
		1W3C	SP-1-T	1	1W2C	SP-1-T	1			
C	1C(10)	2W3C	TV-2-T	2	1W2C	SP-1-T	1		Relocate as indicated	
D	Type 17	1W3C	MAT	1				200		
		2W3C	SP-2-T	2	1W2C	SP-1-T	1			
E	1C(9)				1W2C	TP-1-T	1			
F	Type 26	1W3C	MAT	1				200		
		1W3C	MAS	1						
		1W3C	SP-1-T	1	1W2C	SP-1-T	1			
G	1C(10)	2W3C	TV-2-T	2	1W2C	SP-1-T	1			
H	Type 17	1W3C	MAT	1				200		
		1W3C	SP-1-T	1	1W2C	SP-1-T	1			

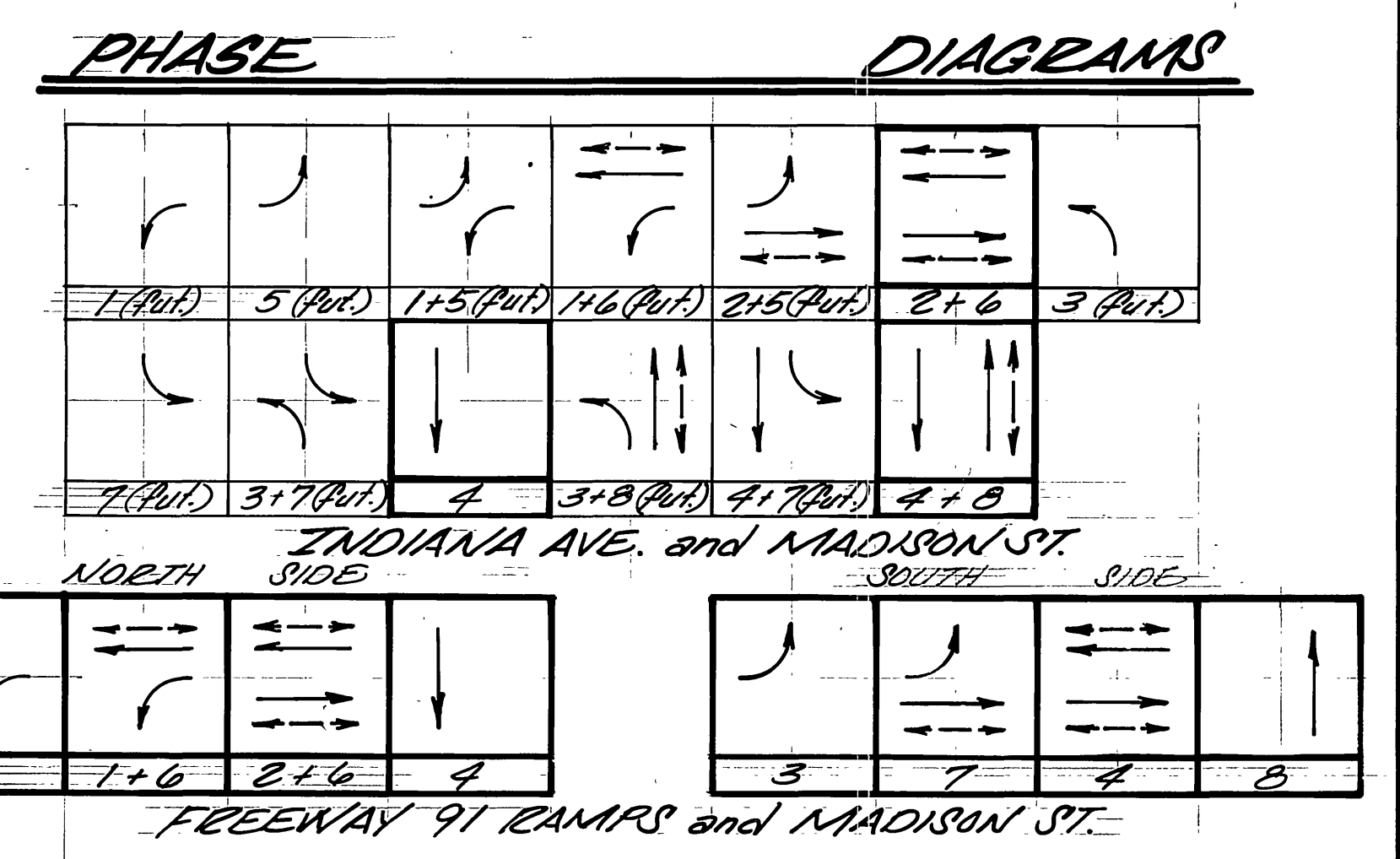
91 FREEWAY RAMPS AND MADISON ST.



91 FREEWAY RAMPS AND MADISON ST.

CONDUCTOR SCHEDULE

CONTROL FUNCTION	CONDUCTORS SIZE	CONDUIT RUN													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Veh. Heads	2/0	3	3	3	3	3	3	3	3	3	3	3	3	3	3
...
TOTALS		13	17	13	3	3	3	2	13	8	8	7	7	1	1



See Sheet 2 for Construction Notes.

APPROVED BY
George Kent Parmer
CITY TRAFFIC ENGINEER
DATE 6/20/88

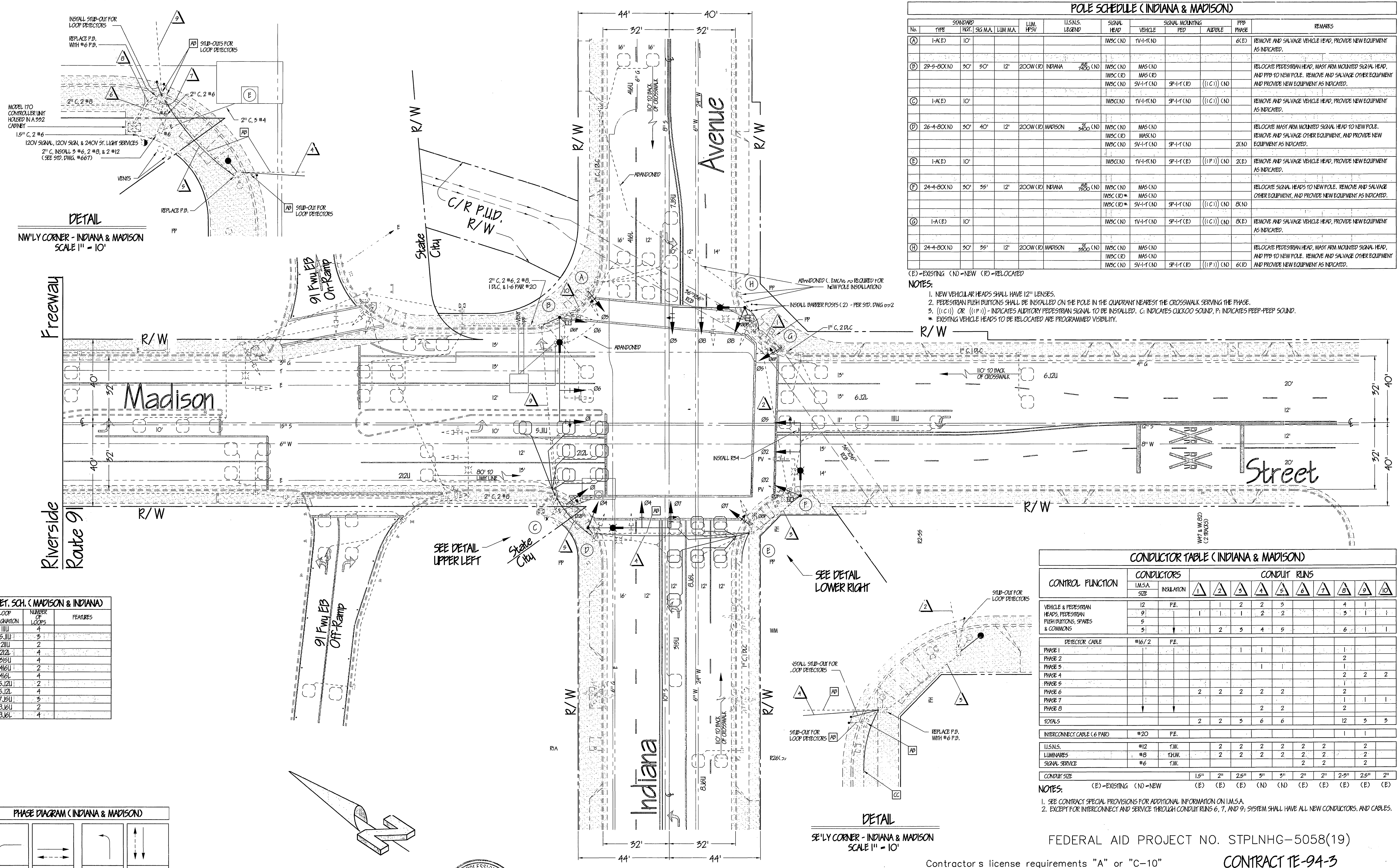
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY
Raymond
PUBLIC WORKS DIRECTOR
DATE 6/21/88

TRAFFIC SIGNALS
MADISON STREET AND RIVERSIDE FREEWAY RAMPS

ACCOUNT NO. 30576-352-02
X-422
SHEET 1 OF 2

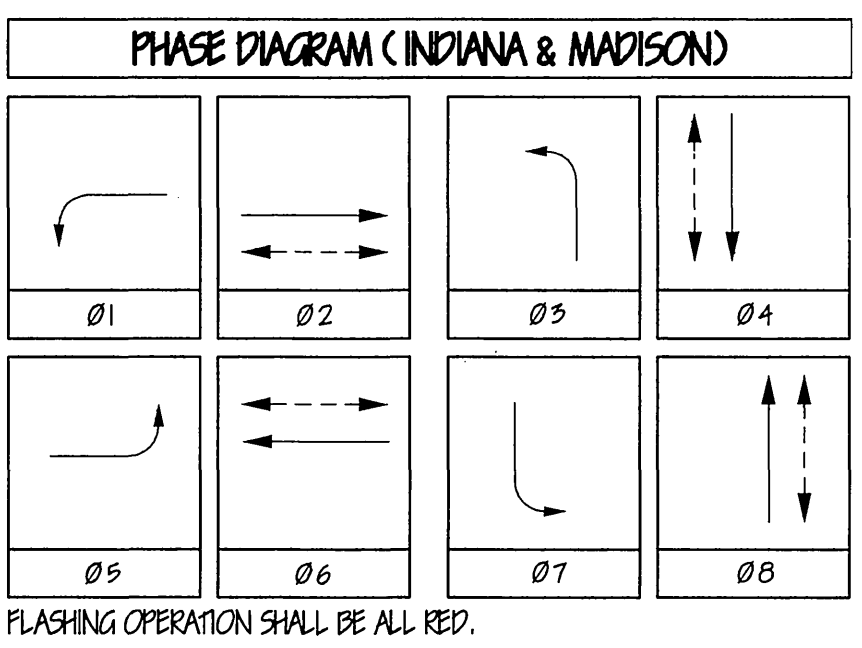
HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 20'



DETAIL
NW'LY CORNER - INDIANA & MADISON
SCALE 1" = 10'

DET. SCH. (MADISON & INDIANA)

LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
111U	4	
5J1U	3	
211U	2	
212L	4	
315U	4	
416U	2	
416L	4	
6J2U	2	
6J2L	4	
7J5U	3	
8J6U	2	
8J6L	4	



ENGINEER IN RESPONSIBLE CHARGE
Richard D. McCreath
12/31/96
July 27, 1998

POLE SCHEDULE (INDIANA & MADISON)

No.	TYPE	STANDARD				LUM. MA.	LUM. PPSV	L.S.N.S. LEGEND	SIGNAL HEAD	SIGNAL MOUNTING			PPB PHASE	REMARKS
		HT.	SIG. MA.	LUM. MA.	LUM. PPSV					VEHICLE	PEEP	AUDIBLE		
(A)	I-KE	10'							HWBC (ND)	TV-1 (ND)			6(E)	REMOVE AND SALVAGE VEHICLE HEAD, PROVIDE NEW EQUIPMENT AS INDICATED.
(B)	29-9-BOX(N)	30'	50'	12'	200W (CR)	INDIANA	7800 (ND)	HWBC (ND)	MAS (ND)					RELOCATE PEDESTRIAN HEAD, MAST ARM MOUNTED SIGNAL HEAD, AND PPB TO NEW POLE. REMOVE AND SALVAGE OTHER EQUIPMENT AND PROVIDE NEW EQUIPMENT AS INDICATED.
(C)	I-KE	10'						HWBC (ND)	TV-1 (ND)	SP-1 (CR)	((C1)) (ND)			REMOVE AND SALVAGE VEHICLE HEAD, PROVIDE NEW EQUIPMENT AS INDICATED.
(D)	26-4-BOX(N)	30'	40'	12'	200W (CR)	MADISON	3400 (ND)	HWBC (ND)	MAS (ND)				2(N)	RELOCATE MAST ARM MOUNTED SIGNAL HEAD TO NEW POLE. REMOVE AND SALVAGE OTHER EQUIPMENT, AND PROVIDE NEW EQUIPMENT AS INDICATED.
(E)	I-KE	10'						HWBC (ND)	TV-1 (ND)	SP-1 (CR)	((P1)) (ND)		2(E)	REMOVE AND SALVAGE VEHICLE HEAD, PROVIDE NEW EQUIPMENT AS INDICATED.
(F)	24-4-BOX(N)	30'	35'	12'	200W (CR)	INDIANA	7800 (ND)	HWBC (ND)	MAS (ND)					RELOCATE SIGNAL HEADS TO NEW POLE. REMOVE AND SALVAGE OTHER EQUIPMENT, AND PROVIDE NEW EQUIPMENT AS INDICATED.
(G)	I-KE	10'						HWBC (ND)	TV-1 (ND)	SP-1 (CR)	((C1)) (ND)		6(E)	REMOVE AND SALVAGE VEHICLE HEAD, PROVIDE NEW EQUIPMENT AS INDICATED.
(H)	24-4-BOX(N)	30'	35'	12'	200W (CR)	MADISON	3300 (ND)	HWBC (ND)	MAS (ND)					RELOCATE PEDESTRIAN HEAD, MAST ARM MOUNTED SIGNAL HEAD, AND PPB TO NEW POLE. REMOVE AND SALVAGE OTHER EQUIPMENT AND PROVIDE NEW EQUIPMENT AS INDICATED.

(E) - EXISTING (ND) - NEW (CR) - RELOCATED

- NOTES:**
- NEW VEHICULAR HEADS SHALL HAVE 12" LENSES.
 - PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.
 - ((C1)) OR ((P1)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED. G: INDICATES CUCKOO SOUND, P: INDICATES PEEP-PEEP SOUND.
- * EXISTING VEHICLE HEADS TO BE RELOCATED ARE PROGRAMMED VISIBILITY.

CONDUCTOR TABLE (INDIANA & MADISON)

CONTROL FUNCTION	CONDUCTORS		CONDUIT RUNS																	
	LUM. SA. SIZE	INSULATION	1	2	3	4	5	6	7	8	9	10								
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12	PE.																		
	9																			
	5																			
	3																			
DETECTOR CABLE	#16/2	PE.																		
PHASE 1																				
PHASE 2																				
PHASE 3																				
PHASE 4																				
PHASE 5																				
PHASE 6																				
PHASE 7																				
PHASE 8																				
TOTALS																				
INTERCONNECT CABLE (6 PAIR)	#20	PE.																		
L.S.N.S.	#12	T.W.																		
LUMINAIRES	#8	T.W.																		
SIGNAL SERVICE	#6	T.W.																		
CONDUIT SIZE			1.5"	2"	2.5"	3"	3.5"	4"	4.5"	5"	6"	7"	8"	9"	10"					

NOTES: (E) - EXISTING (ND) - NEW (E) (E) (E) (ND) (ND) (E) (E) (E) (E) (E)

FEDERAL AID PROJECT NO. STPLNHG-5058(19)
Contractor's license requirements "A" or "C-10"
CONTRACT TE-94-3
Traffic Signal Modification
Madison Street, Indiana Avenue, and 91 Freeway Ramps
Scale: 1" = 20'
ACCT. NO. 430-541600-44025-35057
X-422A
SHEET 2 OF 2

City of Riverside, California
Department of Public Works
APPROVED BY: [Signature]
DATE: 7/2/98
DESIGNED BY: [Signature] DRAWN BY: J.R.C. CHECKED BY: [Signature]

EQUIPMENT SCHEDULE

LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE	INT ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB			
A	12(10)	1W3C	TV-I-T	1						Relocate as indicated
B	24-2-20	1W3C	MAT	1	1W2C	SP-I-T				Salvage Type 17 Std. & install new Type 26 Std. Relocate existing equipment to new Std.
C	12(10)	1W3C	TV-I-T	1	1W2C	SP-I-T				
D	68J10	1W3C	MAT	1						
E	12(10)	1W3C	TV-I-T	1	1W2C	SP-I-T				
F	68J10	1W3C	MAT	1	1W2C	SP-I-T				
G	12(10)	1W3C	TV-I-T	1	1W2C	SP-I-T				
H	Type 17	1W3C	MAT	1	1W2C	SP-I-T				

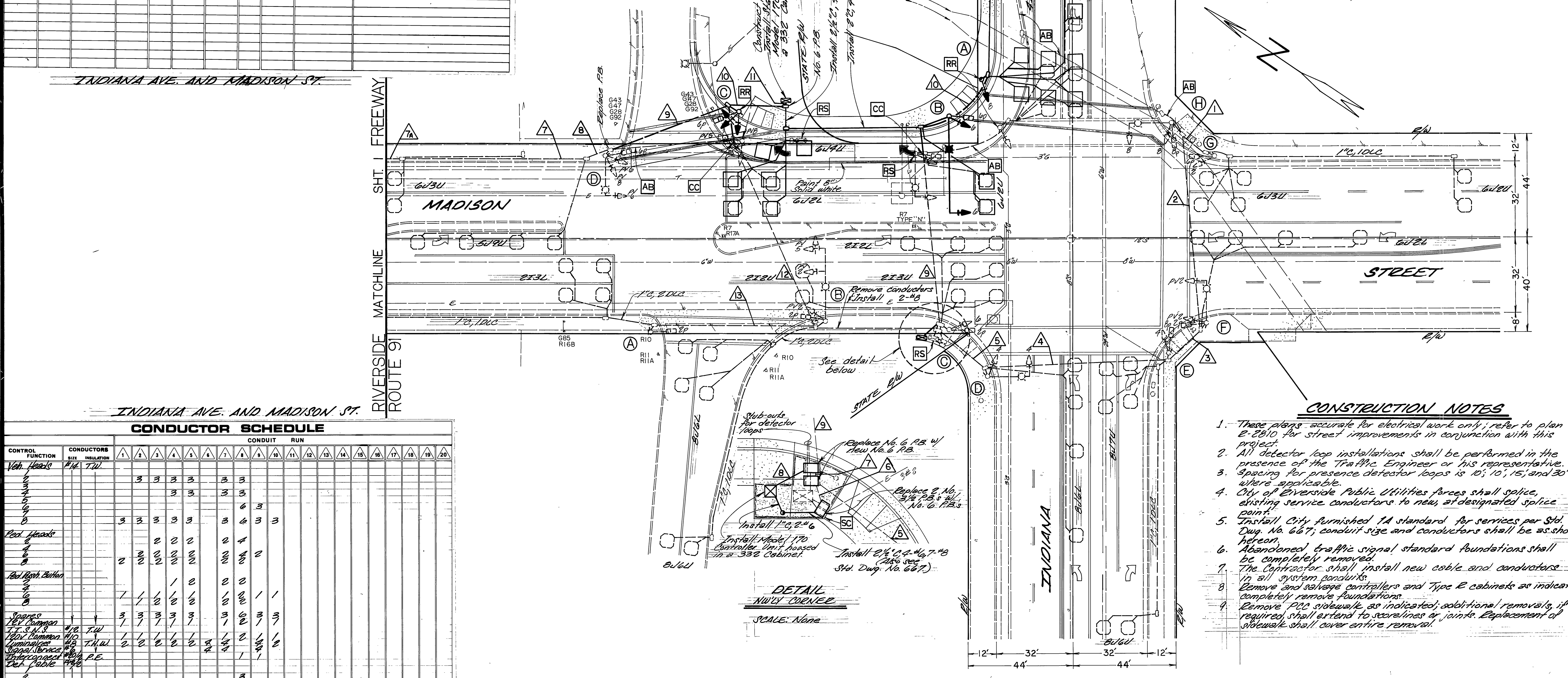
NOTE: NEW TYPE 26 POLE WILL BE CITY FURNISHED INCLUDING ANCHOR BOLTS.

STRIPING LEGEND

- Indicates new striping & pavement markings to be installed.
- Indicates existing striping & pavement markings to remain.
- Indicates existing striping & pavement markings to be removed.

STRIPING QUANTITIES

REMOVALS:	220 SF
INSTALLATIONS:	300 SF
	255 LF



CONSTRUCTION NOTES

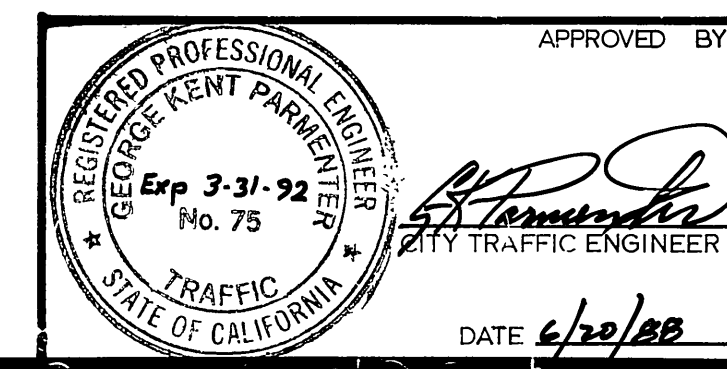
- These plans accurate for electrical work only; refer to plan E-2810 for street improvements in conjunction with this project.
- All detector loop installations shall be performed in the presence of the Traffic Engineer or his representative.
- Spacing for presence detector loops is 10', 10', 15', and 30' where applicable.
- City of Riverside Public Utilities forces shall splice, existing service conductors to new, at designated splice point.
- Install City furnished 1A standard for services per Std. Dwg. No. 667; conduit size and conductors shall be as shown hereon.
- Abandoned traffic signal standard foundations shall be completely removed.
- The Contractor shall install new cable and conductors in all system conduits.
- Remove and salvage controllers and Type E cabinets as indicated; completely remove foundations.
- Remove FCC sidewalk, as indicated; additional removals, if required, shall extend to sewerlines or joints. Replacement of sidewalk shall cover entire removal.

DETAIL NEWLY CORNER

SCALE: None

CONDUCTOR SCHEDULE

CONTROL FUNCTION	CONDUCTORS SIZE	CONDUIT RUN																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Veh. Heads	#14 TW																				
Ped. Heads	#14 TW																				
Ped. High Buttons	#14 TW																				
Spares	#14 TW																				
TOTALS	#14 TW	10	16	19	23	24	28	33	33	33	33	33	33	33	33	33	33	33	33	33	



APPROVED BY: *[Signature]*
 DATE: 6/20/88
 DESIGNED BY: *[Signature]* DRAWN BY: *[Signature]* CHECKED BY: *[Signature]*

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *[Signature]* DATE: 6/29/88
 CHIEF P.W. ENGINEER

INDIANA AVENUE, MADISON STREET AND RIVERSIDE FREEWAY RAMP
 TRAFFIC SIGNALS
 HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = 10'

ACCOUNT NO. 30-576-352-02
 X-422
 SHEET 2 OF 2