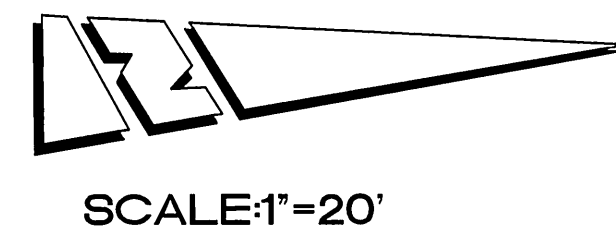
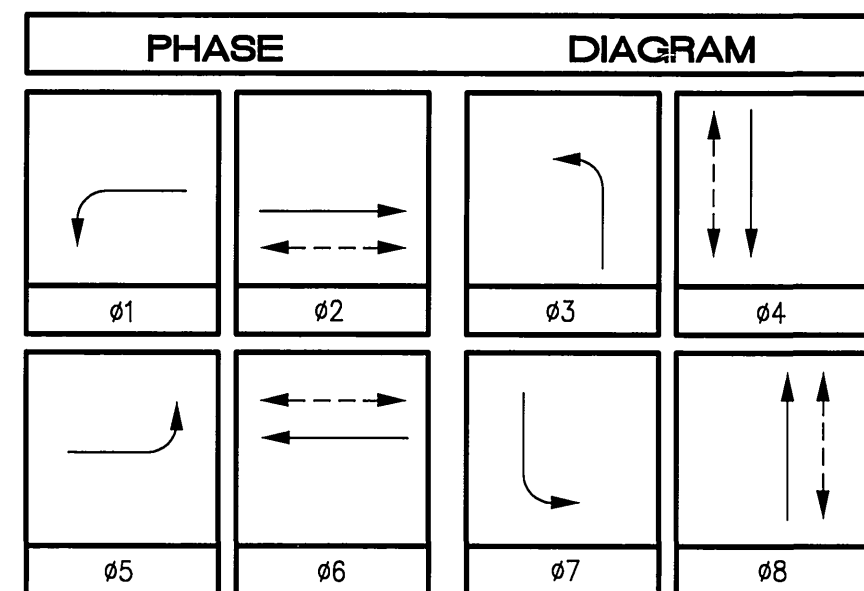


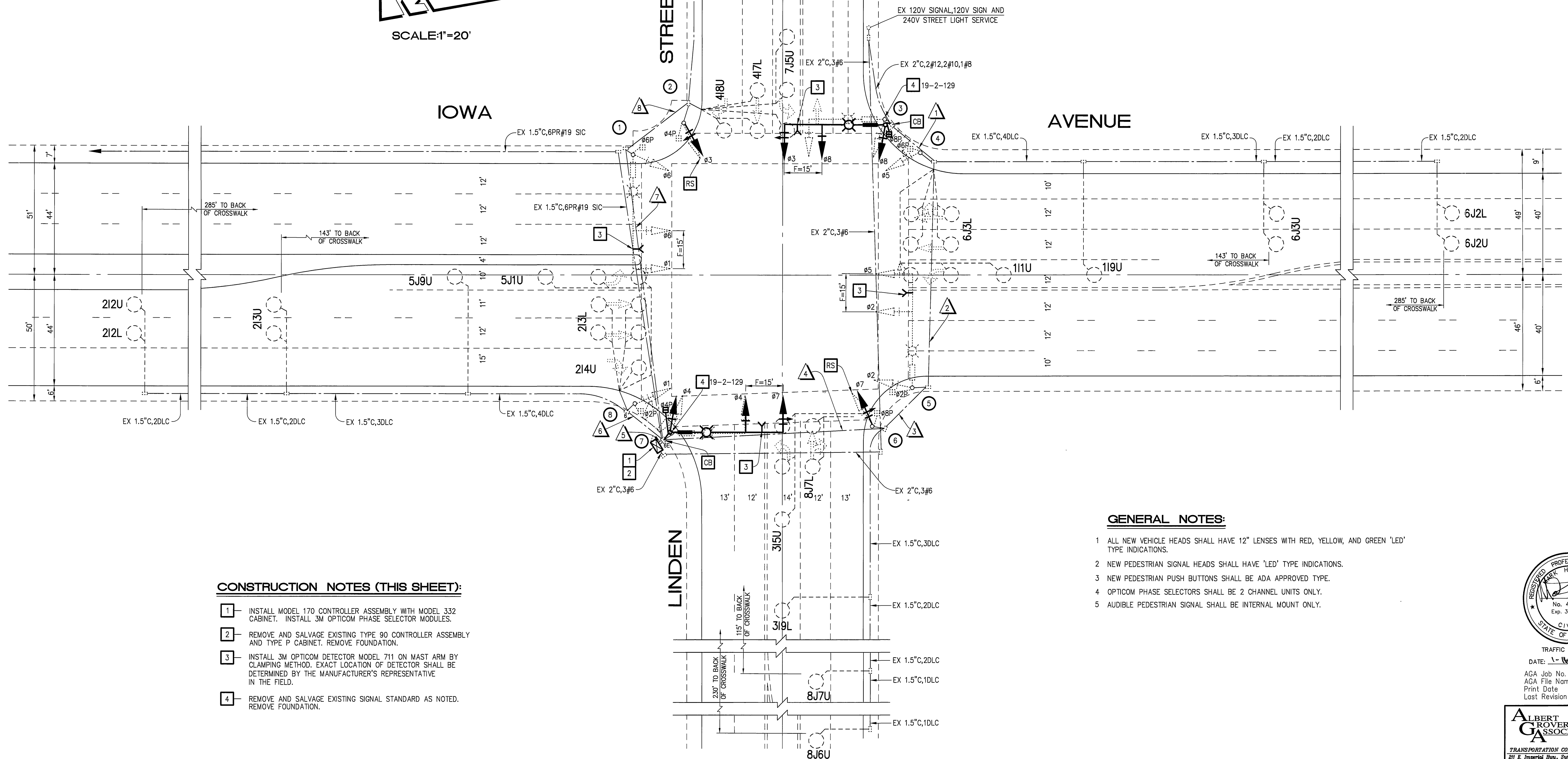
CONDUCTOR		TABLE							
CONTROL FUNCTION	CONDUCTORS	CONDUCTOR				RUNS			
		1	2	3	4	5	6	7	8
VEHICLE & PEDESTRIAN HEADS, PEDESTRIAN PUSH BUTTONS, SPARES & COMMONS	12 CONDUCTOR IMSA	1	2	3	4	8	1	2	1
	3 CONDUCTOR IMSA	1	2	3	4	8	1	2	1
DETECTOR CABLE	#16/2								
PHASE 1		-	2	2	2	2	-	-	-
PHASE 2		-	-	-	-	5	5	-	-
PHASE 3		-	-	-	2	2	-	-	-
PHASE 4		-	-	-	-	4	-	4	4
PHASE 5		-	-	-	-	2	2	-	-
PHASE 6		-	4	4	4	4	-	-	-
PHASE 7		-	-	-	-	2	-	2	2
PHASE 8		-	-	-	3	3	-	-	-
TOTALS		-	6	6	11	24	7	6	6
EVPE CABLE	#20/4	1	1	2	2	4	-	1	-
IISNS	#12	2	2	2	2	-	-	2	-
LUMINAIRES	#10	2	2	2	2	-	-	2	-
GROUND	#8	1	1	1	1	1	1	1	1
INTERCONNECT	SIC	-	-	-	-	1	-	-	-
CONDUIT SIZE		2"	3"	4"	4"	2-4"	2.5"	3"	2.5"

ALL CONDUIT AND CONDUCTORS ARE EXISTING.



POLE		SCHEDULE											
No.	TYPE	STANDARD				LUMINAIRE HPS	IISNS LEGEND	SIGNAL MOUNTING				REMARKS	
		HGT.	SIG. M.A.	LUM. M.A.	VEHICLE			PED	AUDIBLE	PPB	BPB		
1	26-4-129	30'	45'	12'	250W	LINDEN ST 1200	MAS	MAS	SV-1-T	SP-1-T	((C)) (N)	ø4	-
2	1-A	10'	-	-	-	-	-	-	TV-1-T(N)	SP-1-T	((P)) (N)	ø6	ø4
3	26-4-129(N)	30'	40'(N)	12'(N)	250W(R)	IOWA AVE 3400 (R)	MAS(N)	MAS(N)	SV-1-T(N)	SP-1-T(N)	((C)) (N)	ø6(N)	-
4	1-A	10'	-	-	-	-	-	-	TV-1-T	SP-1-T	((C)) (N)	ø8	-
5	26-4-129	30'	45'	12'	250W	LINDEN ST 1200	MAS	MAS	SV-1-T	SP-1-T	((C)) (N)	ø8	-
6	1-A	10'	-	-	-	-	-	-	TV-1-T(N)	SP-1-T	((P)) (N)	ø2	ø8
7	26-4-129(N)	30'	45'(N)	12'(N)	250W(R)	IOWA AVE 3400 (R)	MAS(N)	MAS(N)	SV-1-T(N)	SP-1-T(N)	((P)) (N)	ø2(N)	-
8	1-A	10'	-	-	-	-	-	-	TV-1-T	SP-1-T	((C)) (N)	ø4	-

ALL EQUIPMENT IS EXISTING UNLESS OTHERWISE INDICATED AS (N) NEW OR (R) RELOCATED.
 ((C)) OR ((P)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED: ((C)) INDICATES CUCKOO SOUND; ((P)) INDICATES PEEP-PEEP SOUND.
 BPB = BICYCLE PUSH BUTTON



CONSTRUCTION NOTES (THIS SHEET):

- 1 - INSTALL MODEL 170 CONTROLLER ASSEMBLY WITH MODEL 332 CABINET. INSTALL 3M OPTICOM PHASE SELECTOR MODULES.
- 2 - REMOVE AND SALVAGE EXISTING TYPE 90 CONTROLLER ASSEMBLY AND TYPE P CABINET. REMOVE FOUNDATION.
- 3 - INSTALL 3M OPTICOM DETECTOR MODEL 711 ON MAST ARM BY CLAMPING METHOD. EXACT LOCATION OF DETECTOR SHALL BE DETERMINED BY THE MANUFACTURER'S REPRESENTATIVE IN THE FIELD.
- 4 - REMOVE AND SALVAGE EXISTING SIGNAL STANDARD AS NOTED. REMOVE FOUNDATION.

GENERAL NOTES:

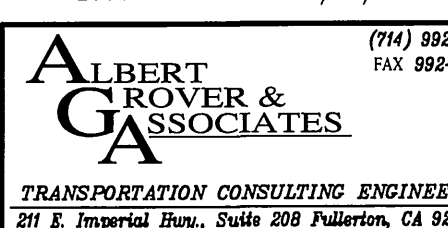
- 1 ALL NEW VEHICLE HEADS SHALL HAVE 12" LENSES WITH RED, YELLOW, AND GREEN 'LED' TYPE INDICATIONS.
- 2 NEW PEDESTRIAN SIGNAL HEADS SHALL HAVE 'LED' TYPE INDICATIONS.
- 3 NEW PEDESTRIAN PUSH BUTTONS SHALL BE ADA APPROVED TYPE.
- 4 OPTICOM PHASE SELECTORS SHALL BE 2 CHANNEL UNITS ONLY.
- 5 AUDIBLE PEDESTRIAN SIGNAL SHALL BE INTERNAL MOUNT ONLY.



CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS		TRAFFIC SIGNAL PLAN IOWA AVENUE AND LINDEN STREET		ACCOUNT NO. X-467A
APPROVED BY PRINCIPAL ENGINEER TRAFFIC DIVISION	DATE _____	APPROVED BY CITY ENGINEER	DATE _____	HORIZ. SCALE: 1" = 20' VERT. SCALE: 1" = -
DESIGNED BY: JAT DRAWN BY: DMS CHECKED BY: JAT		SHEET 1 OF 1		



TRAFFIC No. 1575
 DATE: 1-11-05
 AGA Job No.: 134-011
 AGA File Name: IOWLNMD
 Print Date: 1/11/05
 Last Revision: 1/11/05



CONDUCTOR SCHEDULE

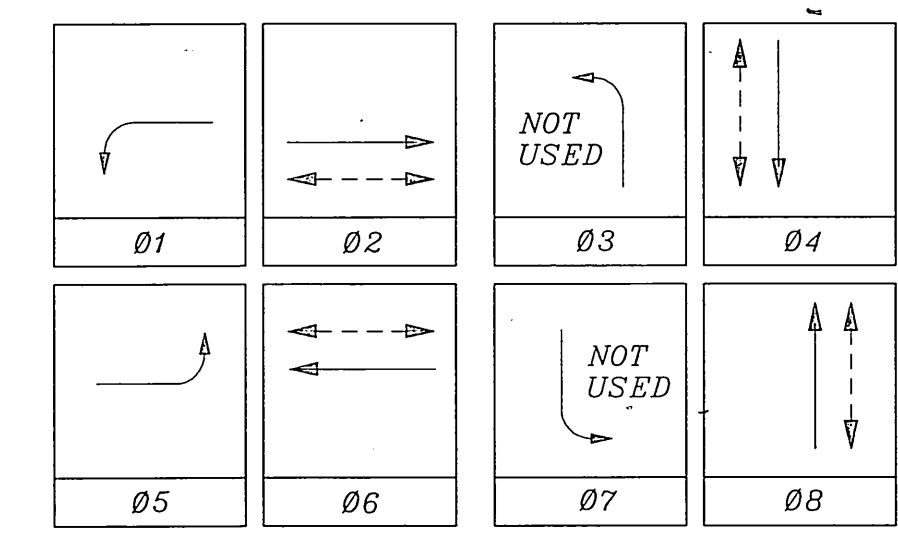
CONTROL FUNCTION	CONDUCTORS		RUNS									
	SIZE	INSULATION	▲	▲	▲	▲	▲	▲	▲	▲		
VEHICLE HEADS	#14	T.W.	-	-	-	-	-	-	-	-		
PHASE 1								6	3			
PHASE 2								3	3			
PHASE 4								3	3			
PHASE 5								3	3			
PHASE 6								3	3			
PHASE 8								3	3			
PED. HEADS												
PHASE 2								2	2	4		
PHASE 4								2	2	4		
PHASE 6								2	2	4		
PHASE 8								2	2	4		
PED. PUSH BUTTON												
PHASE 2								1	2			
PHASE 4								2	1			
PHASE 6								1	1	2		
PHASE 8								1	1	2		
SPARES								3	3	3		
12V COMMON								1	1	3		
12 CONDUCTOR IMSA										1		
9 CONDUCTOR IMSA										1		
3 CONDUCTOR IMSA										2		
										1		
DETECTORS	#12/2	P.E.										
PHASE 1					1	1	1	1				
PHASE 2									3			
PHASE 4									2	2		
PHASE 5									1	1		
PHASE 6									2	2		
PHASE 8									2	2		
I.I.S.N.S.	#12	T.W.			2	2	2	2		2		
120V COMMON	#10	T.W.			1	1	1	1	3	1		
LUMINAIRES	#8	T.H.W.			2	2	2	2		2		
SIGNAL SERVICE	#8	T.H.W.							2	2		
INTERCONNECT	#19/2	P.E.							1	1		
CONDUIT SIZE					2"	2.5"	2.5"	3"	2-3"	2"	2.5"	2.5"
					(E)	(E)	(E)	(E)	(E)	(E)	(N)	(N)

DETECTOR SCHEDULE

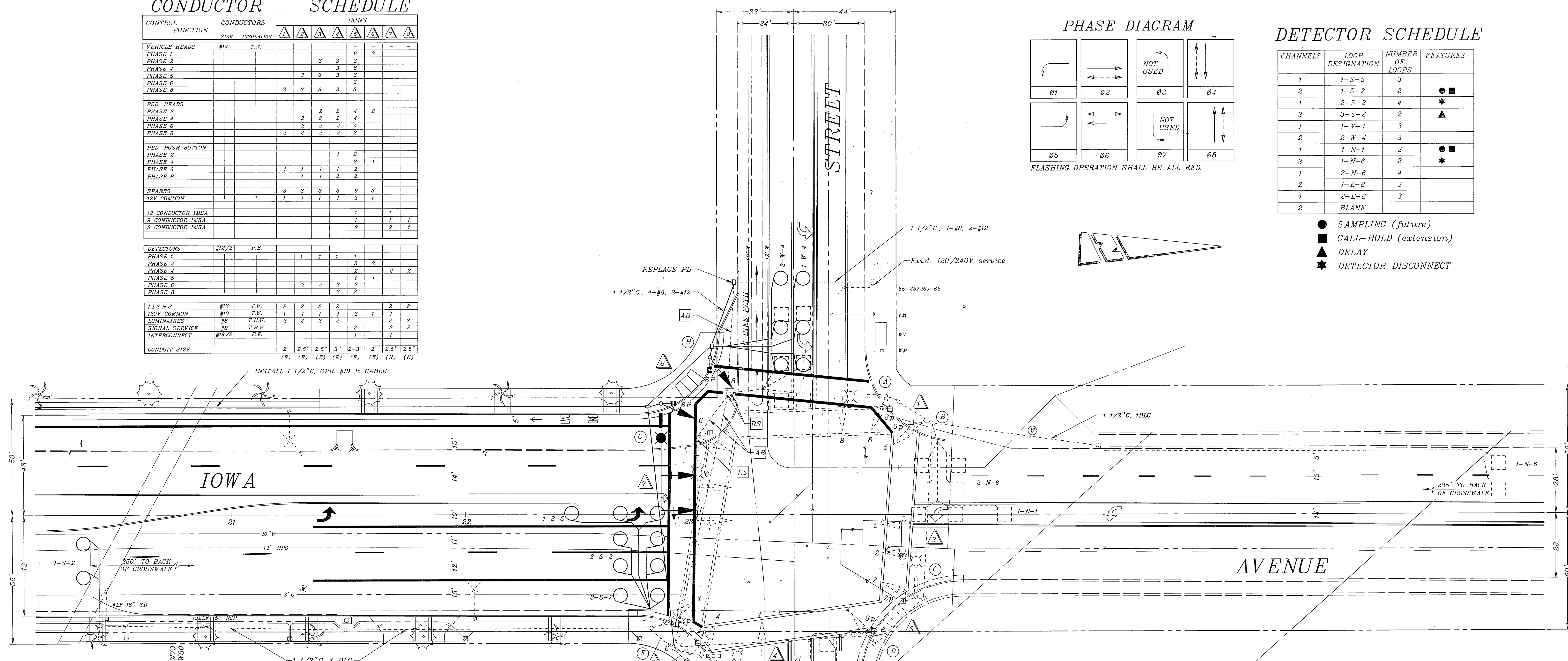
CHANNELS	LOOP DESIGNATION	NUMBER OF LOOPS	FEATURES
1	1-S-5	3	
2	1-S-2	2	● ■
1	2-S-2	4	★
2	3-S-2	2	▲
1	1-W-4	3	
2	2-W-4	3	
1	1-N-1	3	● ■
2	1-N-6	2	★
1	2-N-6	4	
2	1-E-8	3	
1	2-E-8	3	
2	BLANK		

- SAMPLING (future)
- ▲ CALL-HOLD (extension)
- ★ DELAY
- ★ DETECTOR DISCONNECT

PHASE DIAGRAM



FLASHING OPERATION SHALL BE ALL RED.



EQUIPMENT SCHEDULE

NO.	SIGNAL STANDARD		LUMINAIRE		I.I.S.N.S.		SIGNAL MOUNTINGS			PPB PHASE	REMARKS
	TYPE	HGHT	M.A.	H.P.S.V.	LEGEND	VEHICLE	PEDESTRIAN	AUDIBLE			
(A)	17-2-80(E)	30'	18'(E)	12'(E)	250W(E)	IOWA(E)	MAS(E)	SV-1-T(E)	SP-1-T(E)	((IC1))	6(E)
(B)	1A(E)	10'					TV-1-T(E)	SP-1-T(E)	((IP1))		8(E)
(C)	19-4-80(E)	30'	30'(E)	12'(E)	250W(E)	LINDEN(E)	MAS(E)	SV-1-T(E)	SP-1-T(E)	((IP1))	8(E)
(D)	1A(E)	10'					TV-1-T(E)	SP-1-T(E)	((IC1))		2, BIKE 8(E)
(E)	19-2-80(E)	30'	25'(E)	12'(E)	250W(E)	IOWA(E)	MAS(E)	SV-1-T(E)	SP-1-T(E)	((IC1))	2(E)
(F)	1A(E)	10'					TV-1-T(E)	SP-1-T(E)	((IP1))		4(E)
(G)	26-4-80(N)	30'	45'(N)	12'(N)	250W(N)	LINDEN(R)	MAS(N)	SV-1-T(N)	SP-1-T(N)	((IP1)(N))	4(N)
(H)	1A(N)	10'					TV-1-T(N)	SP-1-T(N)	((IC1)(N))		6, BIKE 4(N)

Exist. Type 90 Controller housed in a "P" cabinet.

PAVEMENT DELINEATION

- INDICATES STRIPING AND PAVEMENT MARKINGS TO BE INSTALLED.
 - INDICATES STRIPING AND PAVEMENT MARKINGS TO REMAIN.
 - INDICATES STRIPING AND PAVEMENT MARKINGS TO BE REMOVED.
- NOTE: ALL CURB MARKING AND PAVEMENT DELINEATION WORK SHALL BE PERFORMED BY CITY OF RIVERSIDE FORCES; SEE SPECIAL PROVISIONS.

GENERAL NOTES

- 1 - DETECTOR LOOPS SHALL BE INSTALLED IN THE PRESENCE OF THE TRAFFIC ENGINEER OR HIS REPRESENTATIVE.
- 2 - ALL SIGNING, STRIPING, AND PAVEMENT MARKING REQUIREMENTS SHALL BE COMPLETED AT LEAST ONE DAY PRIOR TO TURN-ON.
- 3 - TYPICAL DETECTOR LOOP SPACING: 10' & 15'.
- 4 - THIS PLAN ACCURATE FOR TRAFFIC SIGNAL WORK ONLY.
- 5 - SEE C/R PLAN R-3416 FOR STREET IMPROVEMENTS.
- 6 - SEE C/R PLAN XL-431 FOR COMPLETE PAVEMENT DELINEATION AND SIGNING REQUIREMENTS.

IMPORTANT NOTICE
 Section 42162(d)(7) of the Government Code requires a Dig Alert Identification Number to be placed before a "Permit to Excavate" will be valid. For your Dig Alert ID Number call CALL TOLL FREE TWO WORKING DAYS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600

- NOTES:
1. ALL NEW VEHICULAR HEADS SHALL HAVE 12" LENSES.
 2. ALL NEW LEFT TURN HEADS SHALL HAVE ALL ARROWS.
 3. LUMINAIRES SHALL BE HIGH PRESSURE SODIUM VAPOR.
 4. ((IC1)) OR ((IP1)) - INDICATES AUDITORY PEDESTRIAN SIGNAL TO BE INSTALLED. ((IC1)) INDICATES CUCKOO SOUND, ((IP1)) INDICATES PEEP-PEEP SOUND.
 5. PEDESTRIAN PUSH BUTTONS SHALL BE INSTALLED ON THE POLE IN THE QUADRANT NEAREST THE CROSSWALK SERVING THE PHASE.

ENGINEER IN RESPONSIBLE CHARGE
 THOMAS J. BOYD
 R.C.E. No. 36170 expires
 DATE 12/8/99

REGISTERED PROFESSIONAL ENGINEER
 THOMAS JOHN BOYD
 No. 36170
 Exp. 06-30-2000
 CIVIL
 STATE OF CALIFORNIA

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
ENGINEERING MANAGER			R. McBrath
PRINCIPAL ENGINEER			DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION			
CHIEF P.V. ENGR.			
PUBLIC UTILITIES			

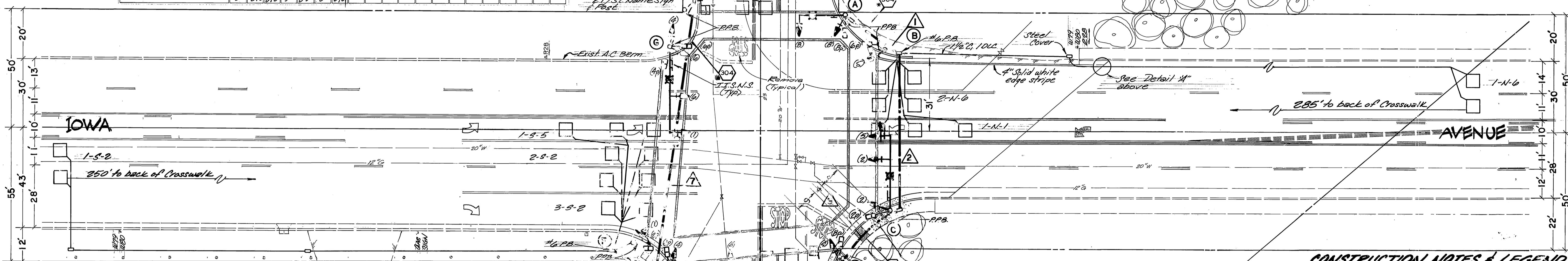
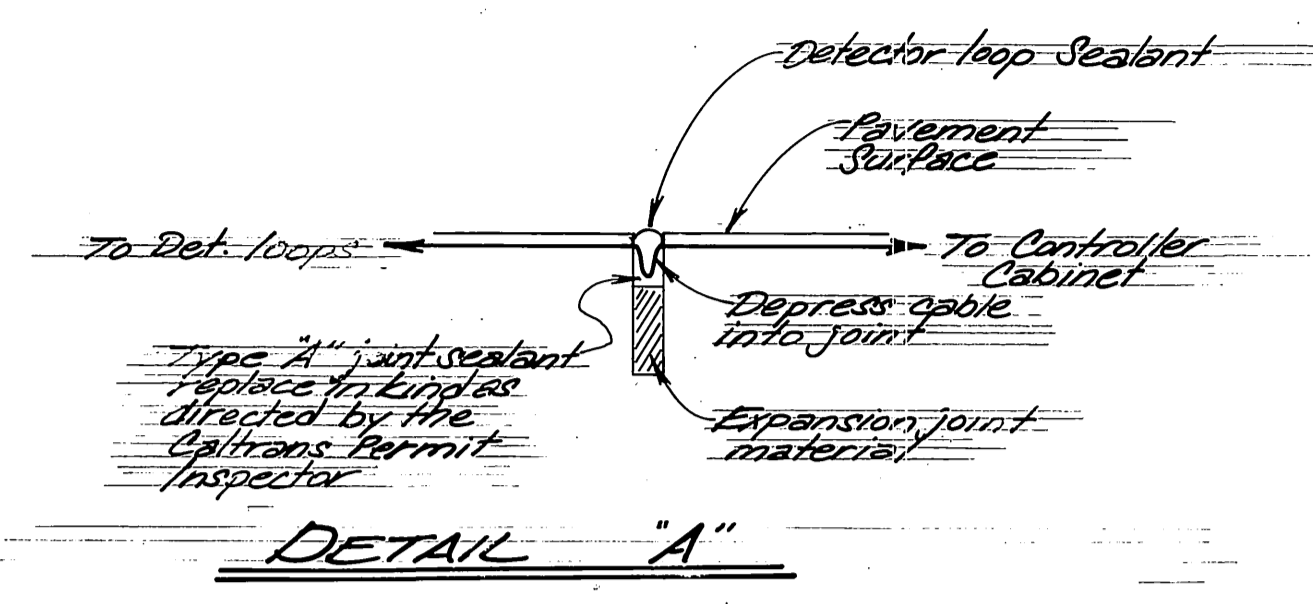
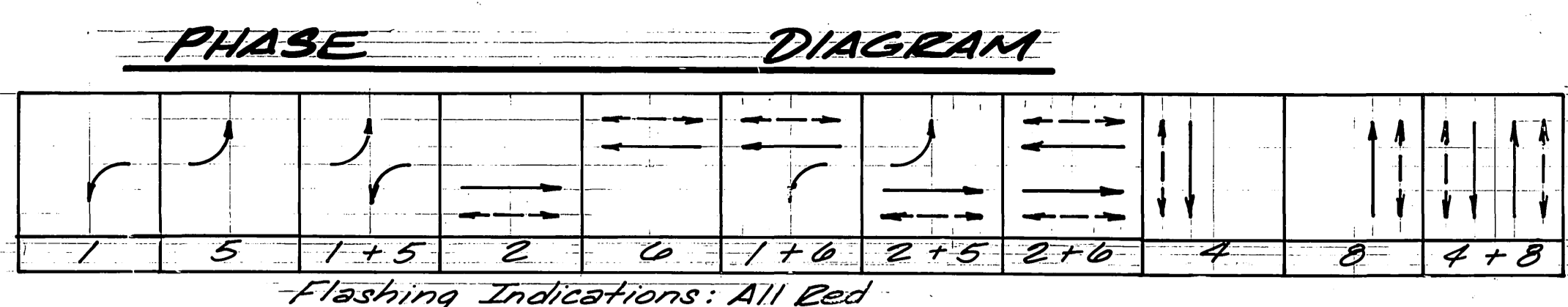
DESIGNED BY: MAC DRAWN BY: MAC CHECKED BY: DATE 12-9-99

TRAFFIC SIGNAL MODIFICATION
 IOWA AVENUE @ LINDEN STREET
 SCALE: 1" = 20'

ACCT. NO. 0476-528160-440446-12127
 X-467
 SHEET 1 OF 1
 FILE NAME: X467.DWG

CONDUCTOR SCHEDULE

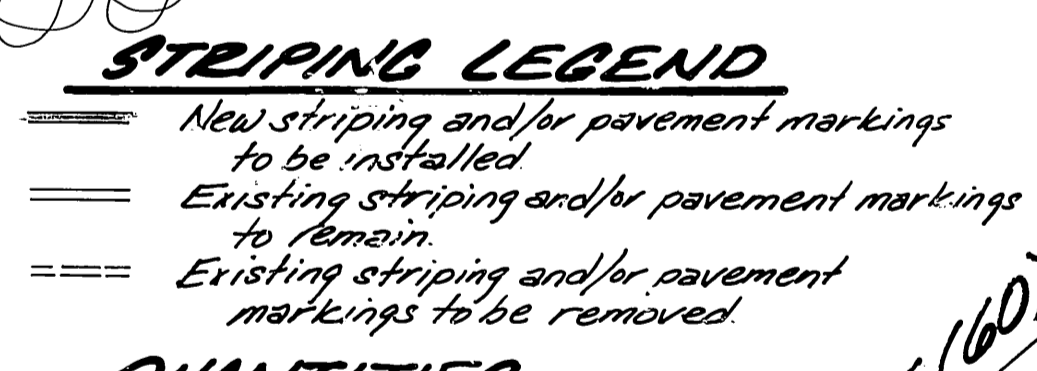
CONTROL FUNCTION	CONDUCTORS SIZE INSULATION	CONDUIT RUN																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Vehicle Heads Phase 1	#12 T.W.																				
1																					
2																					
3																					
4																					
5																					
6																					
Ped. Heads Phase 2																					
1																					
2																					
3																					
4																					
5																					
6																					
Ped. Push Button Phase 2																					
1																					
2																					
3																					
4																					
5																					
6																					
12V Common Splices	#14 P.E.																				
1																					
2																					
3																					
4																					
5																					
6																					
12V Common Splices	#12 T.W.																				
1																					
2																					
3																					
4																					
5																					
6																					
T.T.S.N.S. 120V Common Luminares Signal Service	#8 T.H.W.																				
1																					
2																					
3																					
4																					
5																					
6																					
TOTALS		10	16	3	26	58	10	19	3	2	2	2	2	2	2	2	2	2	2	2	2
Equip. # of Pcs		10	16	3	26	58	10	19	3	2	2	2	2	2	2	2	2	2	2	2	2
CONDUIT SIZE		2"	2 1/2"	2 1/2"	3"	2 1/2"	2"	2 1/2"	2"	2 1/2"	2"	2 1/2"	2"	2 1/2"	2"	2 1/2"	2"	2 1/2"	2"	2 1/2"	2"



EQUIPMENT SCHEDULE

LOCATION	STANDARD	VEHICLE HEADS			PEDESTRIAN HEADS			LUMINAIRE WATTAGE	INT ILLUM STREET NAME SIGN	REMARKS
		HEAD	MOUNTING	BACK PLATE	HEAD	MOUNTING	PPB			
A	19-2-80 12LA, 253A	1W3C	MAS	1	1W2C	SP-1-T	1	250	IOWA 356	
B	1A(10)	1W3C	TV-1-T	1	1W2C	SP-1-T	1			
C	19-4-80 12LA, 253A	1W3C	MAS	1	1W2C	SP-1-T	1	250	LINDEN 356	
D	1A(10)	1W3C	TV-1-T	1	1W2C	SP-1-T	1			
E	19-2-80 12LA, 253A	1W3C	MAS	1	1W2C	SP-1-T	1	250	IOWA 356	
F	1A(10)	1W3C	TV-1	1	1W2C	SP-1-T	1			
G	24-4-80 12LA, 253A	1W3C	MAS	1	1W2C	SP-2-T	1	250	LINDEN 356	
H	Ped Post									

Notes: 1. All standards including anchor bolts shall be City furnished.
2. Luminaires shall be High Pressure Sodium Vapor.
3. All vehicular heads shall have 12" lenses.
4. Left turn heads shall have all arrows.
5. On each pedestrian head an Audible Pedestrian Signal shall be installed; See Special Provisions for details.



QUANTITIES

REMOVALS: S.F.
 INSTALLATIONS: L.F.
 S.F.

DETECTOR SCHEDULE

CHANNELS	LOOP DESIGNATION	NO. OF LOOPS	FEATURES
1	1-5-5	3	
2	1-5-2	2	■
1	2-3-2	4	*
2	3-3-2	2	▲
1	1-W-4	3	
2	2-W-4	3	
1	1-N-1	3	
2	1-N-6	2	■
1	2-N-6	4	*
2	BLANK		
1	1-E-8	3	
2	2-E-8	3	
1	3-W-4	2	BIKE
2	3-E-8	2	BIKE

Information in Detector Schedule is for assignment:
 ■ Sampling
 * Call-Hold (Extension)
 ▲ Delay
 * Type-B Call-loops

CONSTRUCTION NOTES & LEGEND

- Detector loops shall be installed in the presence of the Traffic Engineer or his representative.
 - All signs, striping, and pavement marking requirements must be completed at least 1 day prior to turn-on.
 - Install pullrope in advance detector conduit and lead-in (loop to pullbox) installation.
 - See Special Provisions for 1-N-6 detector loops deck slab shall be 3/8" deep and 3/8" wide; detector loop wires shall be laid horizontally in lieu of vertically.
- (250) Construct approx. 63 L.F. of asphalt concrete berm per Std. Dwg. No. 250; R=35'.
 (304) Construct wheelchair ramp per Std. Dwg. No. 304.
 (304) Provide and cut space for wheelchair ramp in new A.C. berm and existing A.C. berm, respectively. Width shall be as shown on Std. Dwg. No. 304.

APPROVED BY: *[Signature]*
 CITY TRAFFIC ENGINEER
 DATE: 1/21/88

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]*
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGINEER
 DATE: Feb. 1, 1988

TRAFFIC SIGNALS
IOWA AVENUE
AT
LINDEN STREET

ACCOUNT NO. 90-57-288-00
X-467
SHEET 1 OF 1
CONTRACT TT-86-1

SCALE: 1"=20'