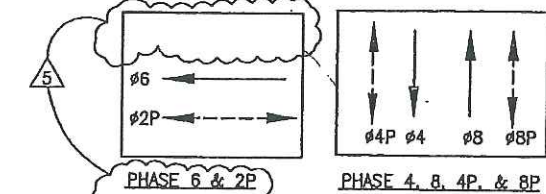


SIGNAL SWITCHED OVER ON 4/30/2002
FLASH C 1050
3-COLOR C 1057

PHASE DIAGRAM



PHASE SEQUENCE

G		Y	R			PINE / MASONIC
R			G		Y	PRESIDIO
W	FRH	RH				PEDS XING PRESIDIO
RH		W	FRH	RH		PEDS XING PINE

NOTES:

- SOME CONDUITS HAVE WIRING OF RED LIGHT CAMERA. CONTRACTOR SHALL AVOID DAMAGING THE RED LIGHT CAMERA WIRES WHILE PULLING EXISTING WIRES IN THE EXISTING CONDUITS.

DETAIL NOTES:

- A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
- A3 EX CONDUIT AND WIRING. R/C TS WIRING. SL WIRING TO REMAIN.
- A4 EX CONDUIT AND WIRING. R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
- A5 EX CONDUIT AND WIRING. R/C EX WIRING. CUT BOTH ENDS OF CONDUIT APPROX 2' AND R/C. ABANDON REMAINING CONDUIT IN PLACE.
- A6 EX CONDUIT AND IC SERVICE WIRES. R/C EX WIRING AFTER CONNECTION OF NEW SERVICE POINT TO NEW IC. CUT CONDUIT APPROX 2' FROM PULL BOX AND R/C CUT PORTION. ABANDON REMAINING CONDUIT IN PLACE.
- A12 CONDUIT AND WIRING TO NEXT STREET LIGHT TO REMAIN.
- A13 EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRES TO REMAIN.
- E R/C EX PULL BOX. REPAIR SIDEWALK TO MATCH EX.
- FB 18" BRACKET MOUNTED AT 15' ABOVE GROUND.
- I EXTEND 12/C INTERCONNECT TO NEW LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
- J F/I TWO GUARD POLES AS SHOWN PER SPDPSF DWG FILE LA-021
- N3 F/I FUSES AND FUSEHOLDERS TO SEPARATE SERVICES FOR IC AND SL. FOR FUSES AND FUSEHOLDERS, SEE SPDPSF #49,092.

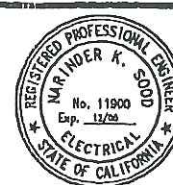
On 1/5/2010, signals 81 & 82
were changed from 8" to
12" signals via SRC work
order 2009 - 268. -CCO

TABLE OF REVISIONS		CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION	
NO.	DATE	DESCRIPTION	BY APP.
10/9/01	PCO #5 DELETE PED SIGNAL #68 & 69	JS	SL
6/13/01	PCO #2 ADDITIONAL PEDESTRIAN SIGNAL	NL	SL
5/22/01	PCO #1 NSF & HOMERUN	SL	SL

REFERENCE INFORMATION
& FILE NO. OF SURVEYS



BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF SAN FRANCISCO



DESIGNED:	DATE:	APPROVED:
BD/EF	06/00	
DRAWN:	DATE:	SECTION MANAGER:
RT	06/00	
CHECKED:	DATE:	DIVISION MANAGER:
NKS	06/00	
		CITY ENGINEER:

SCALE:
1" = 10'-0"
SHEET OF SHEETS
56 OF 62

PINE STREET TRAFFIC SIGNAL UPGRADE	
MASONIC AND PRESIDIO AVE AND PINE STREET	

SPECIFICATION NO.	1986N
DRAWING NO.	E-55
FILE NO.	74496
REV. NO.	5

FILE NAME: 1086pede-55.dwg
DATE: Oct 08 2001 16:55

CONDUIT AND WIRING SCHEDULE																			
CONDUIT RUN NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
CONDUIT SIZE (INCH)	2	EX	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2		
CONDUIT SIZE (mm)																			
NOTES		A2								P		P	P	P	P	P	P		
#14 WIRES																			
SIGNAL 62	3		3		3							3							
SIGNAL 44		3	3		3							3							
SIGNAL 41		3	3		3							3							
SIGNAL 48		2	2		2							2							
SIGNAL 29		2	2		2							2							
SIGNAL 28				2	2							2							
SIGNAL 42				3	3							3							
SIGNAL 89				2	2							2							
SIGNAL 61					3	3						3							
SIGNAL 82					3	3						3							
SIGNAL 64					3	3						3							
SIGNAL 49					2	2						2							
SIGNAL 81								3				3							
SIGNAL 84								3				3							
SIGNAL 88								2				2							
SIGNAL 63 (EX)										3	3								
SIGNAL 65 (EX)										3	3								
SPARE			3		3		3				3	3							
#14 WIRES NEUTRAL	1	4		3		4		3			3								
TOTAL #14 WIRES	4	14	16	10	23	15	14	11			9	29	22						
#10 WIRES NEUTRAL			1		1		1					2	2						
#8 WIRES (120V SERVICE)									2										
#8 WIRES (STREET LIGHT)								2	2										
DETECTOR LEAD-IN CABLE																			
12C CABLE										1									
1/4" PULL ROPE			1		1		1												
#6 BSCW																			
PRE-EMPTION																1	1		

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	VEHICLE SIGNAL			PEDESTRIAN SIGNAL			PEDESTRIAN PUSHBUTTON (PPB)	LUMINAIRE (HPS)		REMARKS
		No.	TYPE	MOUNTING (F/I)	No.	TYPE	MOUNTING (F/I)		VOLTAGE	WATTS	
(A)	1-A (10')	62	3S12" 	TV-1-T							
(B)	EX MUNI POLE	44	3S12" 	SV-1-T 	29	1S-IN	SP-1				BACKPLATE
		41	3S8" 	SV-1-T	48	1S-IN	SP-1				
(C)	NEW MUNI POLE	42	3S8" 	SV-1-T	21 89	1S-IN 1S-IN	SP-1 SP-1				MUNI POLE #727N WITH 30" DIAMETER & 9' DEPTH CONCRETE FOUNDATION 
(D)	NEW MUNI POLE COMBINING ST. LIGHT WITH 6' LUMINAIRE AND 8' MAST ARM	84	3S12" 	MAS	88	1S-IN	SP-1		240V	200W	BACKPLATE MUNI POLE #765N WITH 33" DIAMETER & 11' DEPTH CONCRETE FOUNDATION 
		81	3S8"  3S12" 	SV-1-T							
(E)	16-1-70 20' MAST ARM	64	3S12" 	MAS	49	1S-IN	SP-1				BACKPLATE
		61	3S12" 	SV-2-T-SF							
		82	3S8"  3S12" 								
(F)	EX 16-1-70										

NOTES:

- POLE (C) : REMOVE NEIGHBORING MUNI TROLLEY POLE AND RELOCATE SPAN WIRES TO POLE (C)
- POLE (D) : REMOVE EXISTING POLE (D) (METAL POLE WITH CONCRETE INSIDE) AND INSTALL NEW POLE (D) COMBINING ST. LIGHT, MUNI TROLLEY AND 8' MAST ARM.

CONTRACTOR SHALL COORDINATE WITH MUNI FOR INSTALLING MUNI POLES AND OVERHEAD WIRES. CONTACT MUNI 10 DAYS IN ADVANCE AT 554-9223.

DETAIL NOTES:

- EX CONDUIT AND WIRING. R/C EX TS WIRING. SL WIRING TO REMAIN.
- 18" BRACKET ARM MOUNTED AT 15' ABOVE GROUND.
- POLYVINYL CHLORIDE (PVC) CONDUIT SCHEDULE 80
- LED RED, INCANDESCENT YELLOW, AND LED GREEN
- LED RED, LED YELLOW, AND LED GREEN
- MUNI TO RELOCATE SPAN/SUPPORT WIRE PRIOR TO REMOVAL OF EXISTING POLES

NO.	DATE	DESCRIPTION	BY	APP.
10/9/01	PCO #5 DELETE PED SIGNAL #68 & 69	JS	SL	
8/17/01	PCO #4 ADDITIONAL CONDUITS AND PULL BOXES	LS	SL	
6/13/01	PCO #2 ADDITIONAL PEDESTRIAN SIGNAL	NL	SL	
5/22/01	PCO #1 MSF & HOMERUN	SL	SL	

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APPROVED
SECTION MANAGER DATE:
DIVISION MANAGER DATE:
CITY ENGINEER DATE:

SCALE:
NONE
SHEET OF SHEETS
57 OF 62

PINE STREET
TRAFFIC SIGNAL UPGRADE
MASONIC AND PRESIDIO AVE AND PINE STREET
SCHEDULES

SPECIFICATION NO.
1986N
DRAWING NO.
E-56
FILE NO.
74497
REV. NO.
5