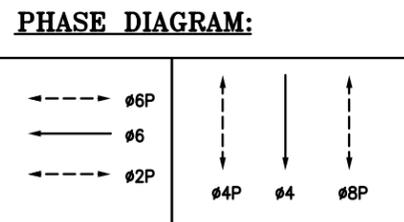


- SHEET NOTES:**
1. R/S ALL EX TRAFFIC SIGNALS AND MOUNTING HARDWARES, UNO.
 2. R/C ALL EX TRAFFIC SIGNAL WIRING, UNO. RETAIN INTERCONNECT CABLE. ABANDON EX TRAFFIC SIGNAL CONDUITS, UNO. REPAIR SIDEWALK.
 3. EX TRAFFIC SIGNS AFFECTED BY THE REMOVAL OF POLES SHALL BE RELOCATED BY THE CITY.
 4. DET SHALL RELOCATE FIRE/POLICE PULL STATION AT THE NORTHEAST CORNER. CONTRACTOR SHALL COORDINATE WITH JACK DONOHOE OF DET (TEL # 415-558-2784) 10 DAYS BEFORE STARTING WORK AT THE CORNER.

- DETAIL NOTES:**
- ◇ A EX CONDUIT AND WIRING. R/C EX WIRING. CUT BOTH ENDS OF CONDUIT APPROX 2' FROM PULL BOX AND R/C CUT PORTION. ABANDON REMAINING CONDUIT IN PLACE.
 - ◇ A2 EX CONDUIT AND WIRING. R/C EX TS WIRING. EX 2#8 SL WIRING TO REMAIN. F/I NEW WIRING AS NOTED.
 - ◇ A7 R/C EX WIRING AND CONDUIT. REPAIR SIDEWALK TO MATCH EX.
 - ◇ C SPLICE NEW WIRES TO EX SL WIRING TO MAINTAIN SL CIRCUIT.
 - ◇ C2 SPLICE NEW WIRES TO EX SL WIRING TO ACTIVATE NEW SL CIRCUIT.
 - ◇ H EXTEND 12/C INTERCONNECT TO NEW IC LOCATION. SPLICE TO EX 12/C TO MAINTAIN INTERCONNECT SYSTEM.
 - ◇ E R/C EX PULL BOX. REPAIR SIDEWALK TO MATCH EX.



PHASES 2 & 6 PHASES 4 & 8

PHASE SEQUENCE:

G	Y	R	HARRISON ST
R		G	Y
WM	FRH	RH	PED XING 4TH ST NORTH
WM	FRH	RH	PED XING 4TH ST SOUTH
RH		WM	FRH
RH		WM	FRH

LIMITS: PLOT SCALE: 1"=10'

DRAWING INFORMATION:
FILE NAME: 1167NE10
ORIGIN: ELECTRICAL
DATE:

NO.	DATE	DESCRIPTION	BY	APP.
3	2/15/12	Added PV to signal #44	CVM	BW
2	9/27/99	UPDATED PER AS-BUILT	BC	
1	11/7/97	Revised per DPT's request during walkthrough	BC	CF

TABLE OF REVISIONS
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION

REFERENCE INFORMATION & FILE No. OF SURVEYS

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

DESIGNED: BC	DATE: 12/16/96	APPROVED
DRAWN: BC	DATE: 12/16/96	SECTION MANAGER DATE:
CHECKED: SWT	DATE: 12/16/96	DIVISION MANAGER DATE:
		CITY ENGINEER DATE:

SCALE: 1"=10'
SHEET OF SHEETS: 10 OF 27

HARRISON STREET
TRAFFIC SIGNAL IMPROVEMENTS
4TH AND HARRISON
TRAFFIC SIGNAL WORK

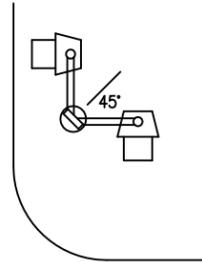
SPECIFICATION NO. 1167N
DRAWING NO. E-10
FILE NO. 65,437
REV. NO. 3

CONDUIT AND WIRING SCHEDULE

CONDUIT RUN NUMBER	1	2	3	4	5	6	8	9	10	11	12	13	14	15	16	17	18		
CONDUIT SIZE (INCH)	1 1/2	2	2	2	2	2	2	EX	2	2	2	2	2	2	1 1/2	2	2		
NOTES																			
#14 WIRES																			
SIGNAL 47		3		3							3					3			
SIGNAL 67	3	3		3							3								
SIGNAL 29		2		2							2					2			
SIGNAL 41			3	3							3								
SIGNAL 48			2	2							2								
SIGNAL 62			3	3							3								
SIGNAL 68					2								2						
SIGNAL 61					3								3						
SIGNAL 49					2								2						
SIGNAL 64					3								3						
SIGNAL					3								3						
SIGNAL 42					3	3				3	3								
SIGNAL 44					3	3				3	3								
SIGNAL					3	3				3	3								
SIGNAL 28					2	2				2	2								
SIGNAL 89					2	2				2	2								
SIGNAL 69								2		2	2								
SIGNAL 88								2		2	2								
SIGNAL								3		3	3								
SIGNAL								3		3	3								
SIGNAL								3		3	3								
SPARE		3		3			3			3	3		3						
TOTAL #14 WIRES	3	11	8	19	13	13	16	10		26	19	23	16					5	
#10 WIRES NEUTRAL	1	1	2	2	3	4	1	2		2	2	2	1					2	
#8 WIRES (120V SERVICE)															2				
ST. LIGHT #8 WIRE			2	2	2	2	2												
12/C INTERCONNECT									3					3				3	
1/4" NYLON PULL ROPE		1		1			1			1									
#6 BSCW																			

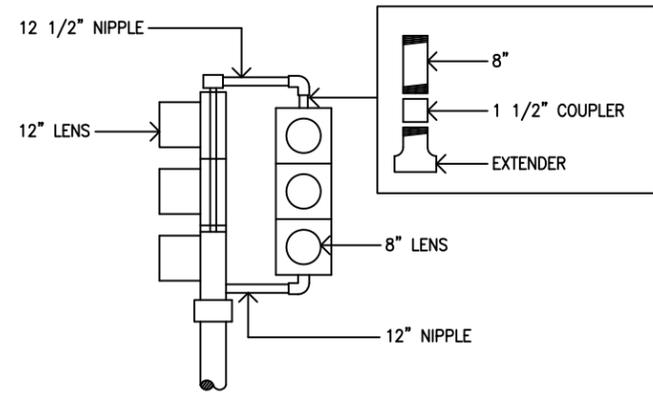
POLE AND EQUIPMENT SCHEDULE

POLE No.	TYPE OF POLE	LUMINAIRE (HPS) VOLTAGE/WATTS	VEHICLE SIGNAL			PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING (F/I)	No.	TYPE	MOUNTING (F/I)	
1	17B-1-70 W/ 20' MAST ARM AND 6' LUMINAIRE ARM.	120/200 W	61	3S8" K	SV-1-T	49 68	1S-IN 1S-IN	SP-1 SP-1	
			64	3S12" K	MAS				
2	CITY STANDARD SL W/ 6' LUMINAIRE ARM.	120/200 W	41	3S8" K	SV-2-TA Z	48	1S-IN	SP-1	WITH RIGHT ANGLE VISOR WITH LEFT ANGLE VISOR
			62	3S12" K					
3	1-A (10')		67	3S12" K	TV-1-T				WITH LEFT ANGLE VISOR
4	17B-1-70 W/ 20' MAST ARM AND 6' LUMINAIRE ARM.	120/200 W	42	3S8" K	SV-1-T	28 89	1S-IN 1S-IN	SP-1 SP-1	
			44	3S12" PV K					
7	1-A(10')		47	3S12" K	TV-1-T	29	1S-IN	SP-1	WITH RIGHT ANGLE VISOR
6	EX SL					69 88	1S-IN 1S-IN	SP-1 SP-1	



DETAIL NOTES

- K WITH BACKPLATE.
- W F/I WITH INTEGRAL BALLAST AND PHOTOELECTRIC CONTROL. F/I FUSE AND FUSE HOLDERS PER SFPWSP #49,092.
- Z REFER TO TV-2-T-SFB EXTENDER DETAIL. SEE DETAIL 1



TV-2-T-SFB EXTENDER DETAIL

DETAIL 1

DRAWING INFORMATION:
FILE NAME: 1167NE11
ORIGIN: ELECTRICAL
DATE:

NO.	DATE	DESCRIPTION	BY	APP.
1	2/15/12	Added PV to signal #44	CVM	BW
2	9/27/99	UPDATED PER AS-BUILT	BC	
3	5/6/98	Revised per DPT's request	BC	TS
4	11/7/97	Revised per DPT's request during walkthrough	BC	CF

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DRAWN: BC	DATE: 12/16/96	SECTION MANAGER DATE:
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		CITY ENGINEER DATE:

SCALE: NONE
SHEET OF SHEETS: 11 OF 27

HARRISON STREET
TRAFFIC SIGNAL IMPROVEMENTS
4TH AND HARRISON
SCHEDULE FOR TRAFFIC SIGNAL WORK

SPECIFICATION NO. 1167N
DRAWING NO. E-11
FILE NO. 65,438
REV. NO. 5