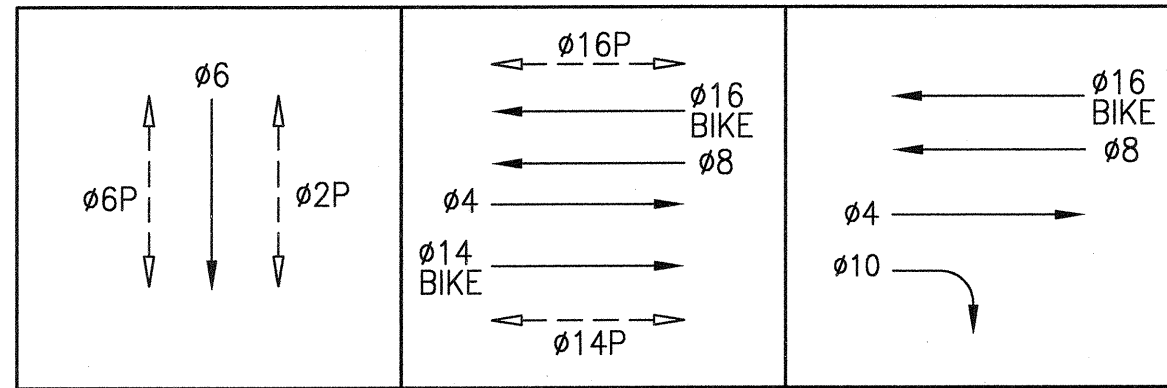


PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R	HOWARD ST. (WB) - Ø6	
R	G	Y R	2ND ST. (SB & NB) - Ø4 & Ø8	
R	G	Y R	2ND ST. (NB BIKE) - Ø16	
R	G	Y R	2ND ST. (SBRT) - Ø10	
R	G	Y R	2ND ST. (SB BIKE) - Ø14	
WM	FRH	RH	PED XING 2ND ST. (SS & NS) - Ø2P & Ø6P	
RH	WM	FRH	PED XING HOWARD ST. (WS & ES) - Ø14P & Ø16P	

POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/ WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE	MOUNTING	
①	17B-1-70 W/20' MAST ARM & 6' NEW LUMINAIRE FIXTURE	5	161 84	3S12" BIKE 3S12"	SV-1-T MAS	T T		168	3S-COUNT	SP-1	APS BACKPLATE
②	CITY STANDARD STREET LIGHT W/ NEW LUMINAIRE FIXTURE	5						69	3S-COUNT	SP-1	APS
③	CITY STANDARD STREET LIGHT W/ NEW LUMINAIRE FIXTURE	5						28	3S-COUNT	SP-1	APS
④	1-A (13')		42 165	3S12" 3S8" BIKE	TV-1-T SV-1	T T		169	1S-COUNT	SP-1	APS MOUNT 165 AT 8'
⑤	19-4-100 W/25' MAST ARM & 6' LUMINAIRE ARM	5	141 104 44	3S12" BIKE 3S12" RA 3S12" NRT	SV-1-T MAS MAS MAS	T T T		148	3S-COUNT	SP-1	BACKPLATE BACKPLATE APS
⑥	MUNI POLE WITH MAST ARM		62 64	3S12" 3S12"	SV-1-T MAS	T T		29	3S-COUNT	SP-1	APS BACKPLATE
⑦	MUNI FEEDER POLE W/NEW LUMINAIRE FIXTURE	5	61	3S12"	SV-1-T	T		68	3S-COUNT	SP-1	EXTERNAL CONDUIT
⑧	PPB POLE										APS
⑨	1-A (13')		105 82 145	3S12"RA 3S12" 3S8"BIKE	TV-2-T SV-1	T T T		149	1S-COUNT	SP-1	APS MOUNT 145 AT 8'

SHEET NOTES:

- F/I APS BUTTON PROVIDED BY CITY FORCES.
- ABANDON EXISTING CONDUIT AND WIRING. CUT EXISTING CONDUIT AND WIRING TO PULL BOX WALL AND CAP ENDS. PRIOR TO ABANDONING OF EXISTING CABLES IN EXISTING CONDUIT, CONTRACTOR TO FIELD VERIFY AND MAINTAIN SERVICES TO STREET LIGHTS AND TRAFFIC CONTROLLER.
- CONTRACTOR SHALL FURNISH ONE SECTION PEDESTRIAN SIGNAL HOUSING AND INSTALL CITY FURNISHED ONE SECTION LED PEDESTRIAN MODULE.
- CONTRACTOR SHALL CONTACT SFMTA SIGNAL SHOP FOR SPECIFIC INSTALLATION INSTRUCTIONS REGARDING POLE 7.
- REFER TO E SERIES DWG AND FIXTURE SCHEDULE E-0.2 FOR LUMINAIRE TYPE, VOLTAGE AND WATTAGE.
- POLE ON SUBSIDEWALK BASEMENT.
- EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE MAINTAIN OR DISTURBED OR DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED.
- CONTRACTOR TO INTERCEPT AND CUT (E) CONDUIT. SPLICE NEW WIRES TO NEW PULL BOX. COUPLE NEW CONDUIT OF SAME SIZE TO EXISTING AND EXTEND TO NEW PULL BOX AS SHOWN. REFER TO SFDPSW FOR SPLICE CONNECTION REQUIREMENT.
- SPLICE NEW WIRE INTO THE EXISTING WIRES AS PER CONDUIT AND WIRING SCHEDULE (I.E: STREETLIGHT AND SIGNAL). PROVIDE NEW WIRES FOR ALL ADDITIONAL SIGNALS PER CONDUIT AND WIRING SCHEDULE.

ET-39 1-2" PVC CONDUIT = (9'+4'+13') = 26'

ET-40 1-2" GRS CONDUIT = 3'

ET-41 1-2" HDPE CONDUIT = 66'

ET-44 2-2" PVC CONDUIT & 1-2" GRS CONDUIT = 64'

ET-45 3-2" PVC CONDUIT & 1-2" GRS CONDUIT = 88'

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

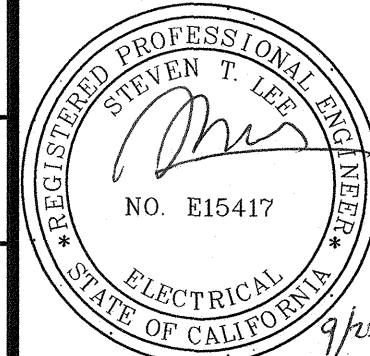
REFERENCE INFORMATION & FILE NO. OF SURVEYS



DESIGN & ENGINEERING
PUBLIC WORKS
CITY & COUNTY OF SAN FRANCISCO
30 VAN NESS AVENUE, 5TH FLOOR
SAN FRANCISCO, CA 94102 - 6028

Section Mgr:	Philip Thwin	Date:	9/23/10
Deputy Division Mgr:	Iqbal Dhapa	SEP 27 2010	
Division Mgr:	Patrick Rivera	9/23/10	

DESIGNED:	DATE:
SS/ZH	09/16
DRAWN:	DATE:
SS/ZH	09/16
CHECKED:	DATE:
GD/SL	9/16



SCALE:	AS SHOWN
SHEET OF SHEETS	OF

2ND STREET STREETSCAPE IMPROVEMENTS PROJECT	CONTRACT NO. 1064J (R)
2ND STREET AND HOWARD STREET TRAFFIC SIGNAL WORK	DRAWING NO. ET-3.0
	FILE NO. 106,270
	REV. NO.