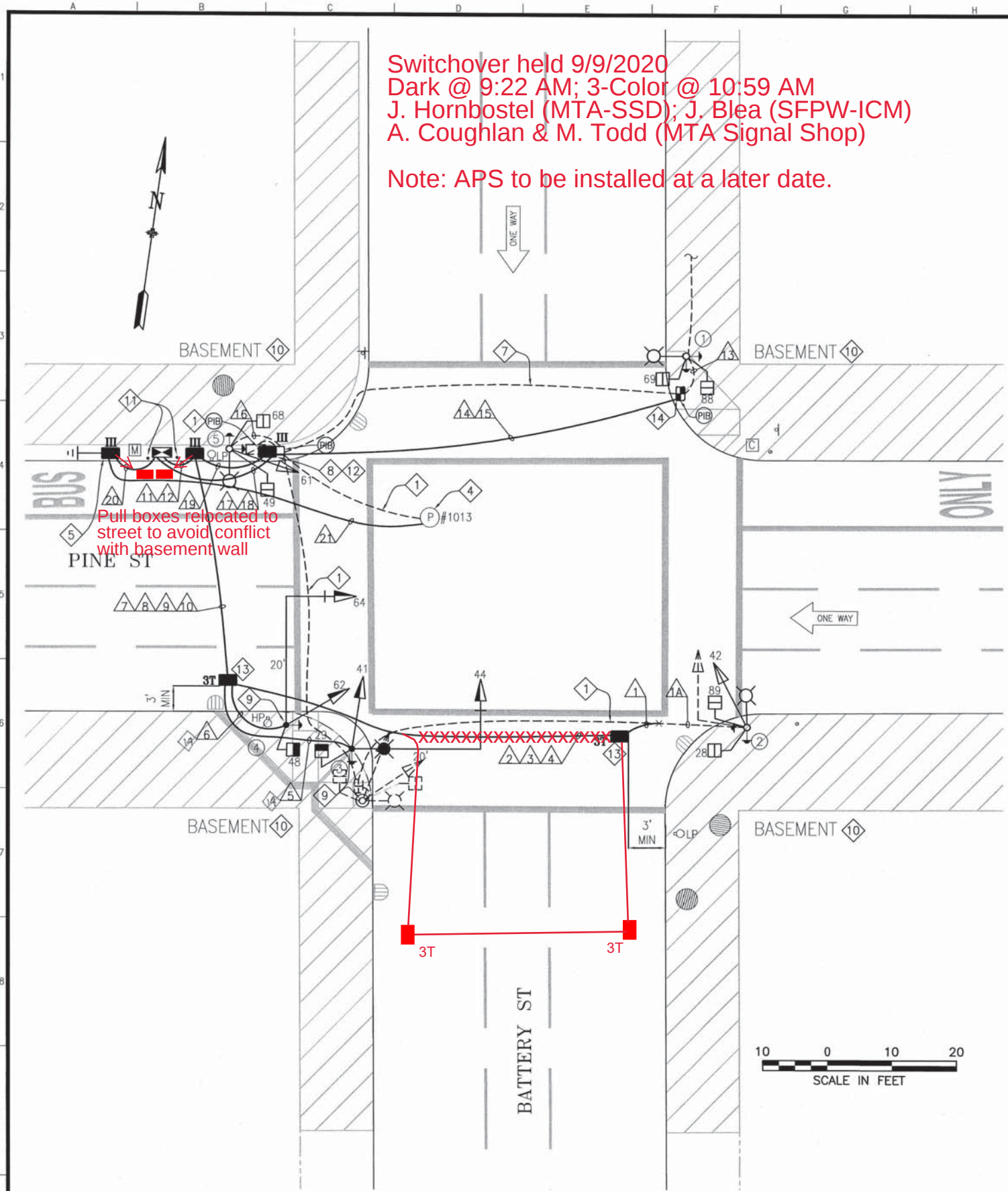


Switchover held 9/9/2020
Dark @ 9:22 AM; 3-Color @ 10:59 AM
J. Hornbostel (MTA-SSD); J. Blea (SFPW-ICM)
A. Coughlan & M. Todd (MTA Signal Shop)

Note: APS to be installed at a later date.



POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS 3
			No.	TYPE	MOUNTING	VISORS	LOUVERS	No.	TYPE 2	MOUNTING	
①	CITY STANDARD STREET LIGHT							69 88	1S-COUNT 1S-COUNT	SP-1 SP-1	APS-2W x2
②	CITY STANDARD STREET LIGHT		42	3S12"	SV-1-T	T		28 89	1S-COUNT 1S-COUNT	SP-1 SP-1	APS-2W x2 MOUNT 42 ON S SIDE OF POLE
③	17-2-100 WITH 20' MA AND 6' LA	A2 145 6	41 44	3S12" 3S12"	SV-1-T MAS	T	HORIZONTAL	48	1S-COUNT	SP-1	APS-2W BACKPLATE
④	16-2-100 WITH 20' MA		62 64	3S12" 3S12"	SV-1-T MAS	T T		29	1S-COUNT	SP-1	APS-2W BACKPLATE
⑤	CITY STANDARD STREET LIGHT		61	3S12"	SV-1-T	T		49 68	1S-COUNT 1S-COUNT	SP-1 SP-1	APS-2W x 2

Horizontal louvers for signal 44 green section only

SHEET NOTES:

- 1 ABANDON EXISTING CONDUIT AND WIRING, CUT EXISTING CONDUIT TO PULLBOX WALL AND CAP ENDS. PRIOR TO REMOVING OF EXISTING CABLES IN EXISTING CONDUIT, FIELD VERIFY AND MAINTAIN SERVICES TO STREETLIGHTS AND TRAFFIC CONTROLLER.
- 2 INSTALL CITY FURNISHED ONE SECTION LED PEDESTRIAN COUNTDOWN SIGNAL MODULE IN CONTRACTOR FURNISHED ONE SECTION PEDESTRIAN SIGNAL HOUSING.
- 3 CITY FORCES TO INSTALL CITY FURNISHED APS PUSH BUTTONS ON POLES AS SHOWN ON INTERSECTION DRAWING AND AS INDICATED IN POLE & EQUIPMENT SCHEDULE. CONTRACTOR TO F/I WIRING AS SHOWN IN THE CONDUIT AND WIRING SCHEDULE.
- 4 CONTROLLER SERVICE POINT IS MH# 1013 LOCATED NEAR THE NORTHWEST CORNER OF BATTERY STREET AND PINE STREET. COORDINATE WITH PG&E THROUGH SFPUC FOR ACTIVATION OF SERVICE POINT.
- 5 F/I 40A INLINE FUSE AND FUSE HOLDER FOR TRAFFIC SIGNAL SERVICE DISCONNECT IN FIRST PULL BOX NEXT TO THE NEW PG&E SERVICE POINT.
- 6 SEE LIGHTING FIXTURE SCHEDULE ON E-0.1
- 7 MAINTAIN EXISTING CONDUIT AND REMOVE EXISTING CABLES EXCEPT SERVICES TO STREETLIGHTS AND INTERCONNECT CABLES WHERE APPLICABLE. PRIOR TO REMOVAL OF EXISTING CABLES IN EXISTING CONDUIT, FIELD VERIFY AND MAINTAIN SERVICES TO STREETLIGHTS AND INTERCONNECT.
- 8 MODIFY/EXTEND EXISTING CONDUITS IN EXISTING CABINET AND PULL BOX TO REACH NEW TYPE III PULL BOX. SPLICE AND EXTEND 12/C INTERCONNECT TO NEW IC LOCATION PER CONDUIT AND WIRING SCHEDULE. SPLICE TO EXISTING 12/C TO MAINTAIN INTERCONNECT SYSTEM.
- 9 R/C EXISTING POLE AND BASEMENT FOUNDATION. F/I POLE ON BASEMENT FOUNDATION PER STRUCTURAL PLANS.
- 10 VERIFY THE EXACT EXTENTS OF BASEMENT PRIOR TO CONSTRUCTION. EXERCISE CAUTION TO PROTECT BASEMENT. FIELD VERIFY AND PROTECT ALL EXISTING EQUIPMENT/S THAT ARE IMPACTED BY THE WORK SCOPE, REMOVE AND REATTACH TO MATCH EXISTING CONDITION AFTER CONSTRUCTION, THIS IS PART OF THE INCIDENTAL COST
- 11 F/I NEW GUARD POSTS ADJACENT TO NEW CABINET.
- 12 SPLICE NEW STREET LIGHT WIRES TO EXISTING STREETLIGHT SERVICE
- 13 SPLICE STREET LIGHT WIRES TO EXISTING STREETLIGHT SERVICE, PROVIDE 10A FUSE AND FUSE HOLDER FOR NEW STREETLIGHT, MAINTAIN EXISTING STREET LIGHT CIRCUIT
- 14 CORE DRILL INTO BASEMENT TO BRING IN NEW CONDUIT

PHASE DIAGRAM

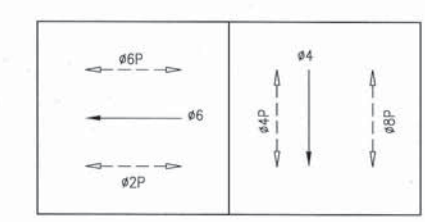


TABLE OF REVISIONS				REFERENCE INFORMATION & FILE NO. OF SURVEYS				DESIGN & ENGINEERING CITY & COUNTY OF SAN FRANCISCO SAN FRANCISCO PUBLIC WORKS 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102 - 6028	Section Mgr: PHILIP THWIN Deputy Division Mgr: IQBALBHAI DHAPA Division Mgr: PATRICK RIVERA	Date: 10/2/17 10/2/17 10/3/17	DESIGNED: DATE: JH/CMF 5/2017 DRAWN: DATE: JH/CMF 5/2017 CHECKED: DATE: GD/SL 5/2017		SCALE: AS SHOWN SHEET OF SHEETS: 24 OF 63	CONTRACT 34 - TRAFFIC SIGNAL MODIFICATIONS BATTERY STREET AND PINE STREET TRAFFIC SIGNAL WORK POLE AND EQUIPMENT SCHEDULE		CONTRACT NO. 2805J DRAWING NO. E-8.0 FILE NO. 109,560 REV. NO.
NO.	DATE	DESCRIPTION	BY	APP.												

CONDUIT AND WIRING SCHEDULE (FURNISH AND INSTALL CONDUIT AND WIRES)																									
CONDUIT RUN NUMBER		1	1A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
CONDUIT SIZE (INCH)		1.5	1.5	2	2	2	2	2	2	2	2	2	3	2	1.5	2	2	UNK	3	2	2	2	3		
		GRS	EX		GRS	SP	GRS	GRS				GRS	SP		SP	EX	GRS	GRS,SP	EX		GRS				
NOTES																									
VEHICLE SIGNAL 42		3	3	3					3				3												
PED SIGNAL 28		2	2	2					2				2												
PED SIGNAL 89		2	2	2					2				2												
APS XING PINE ON POLE 2		2	2	2					2				2												
APS XING BATTERY ON POLE 2		2	2	2					2				2												
VEHICLE SIGNAL 41							3			3			3												
VEHICLE SIGNAL 44							3			3			3												
PED SIGNAL 29							2			2			2												
APS XING BATTERY ON POLE 3							2			2			2												
VEHICLE SIGNAL 62								3		3			3												
VEHICLE SIGNAL 64								3		3			3												
PED SIGNAL 48								2		2			2												
APS XING PINE ON POLE 4								2		2			2												
PED SIGNAL 69															2	2			2						
PED SIGNAL 88															2	2			2						
APS XING BATTERY ON POLE 1															2	2			2						
APS XING PINE ON POLE 1															2	2			2						
VEHICLE SIGNAL 61																		3	3						
PED SIGNAL 49																		2	2						
PED SIGNAL 68																		2	2						
APS XING PINE ON POLE 5																		2	2						
APS XING BATTERY ON POLE 5																		2	2						
#14 NEUTRAL		3	3				3	3							2			3							
#14 SPARE				3					3				3			3			3						
TOTAL #14 WIRES		14	14	14			13	13	14	20			37		10	11		14	22						
#10 WIRES NEUTRAL				1					1	2			2			1			2						
#10 WIRES STREET LIGHT 2		2	2				2								(2)			(2)							
#8 WIRES STREET LIGHT					2						2										2				
#8 WIRES (120 V SERVICE)																						2	3		
#6 BSCW 1																									
INTERCONNECT 12C CABLE																					4				

SHEET NOTES:

- 1 F/I PER GROUNDING LAYOUT DETAIL AND PROJECT SPECIFICATIONS SECTION 34 41 13.
- 2 (#) INDICATES EXISTING WIRE TO REMAIN



NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				

REFERENCE INFORMATION
& FILE NO. OF SURVEYS

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

Section Mgr:	PHILIP THWIN	Date:	10/2/17
Deputy Division Mgr:	IQBALBHAI DHAPA	Drawn:	10/2/17
Division Mgr:	PATRICK RIVERA	Checked:	10/6/17
		GD/SL	5/2017

DESIGNED:	DATE:
JH/CMF	5/2017
DRAWN:	DATE:
JH/CMF	5/2017
CHECKED:	DATE:
GD/SL	5/2017

SCALE:	NONE
SHEET OF SHEETS	25 OF 63

CONTRACT 34 - TRAFFIC
SIGNAL MODIFICATIONS
BATTERY STREET AND PINE STREET
CONDUIT AND WIRING SCHEDULE

CONTRACT NO.
2805J
DRAWING NO.
E-8.1
FILE NO.
109,561
REV. NO.