

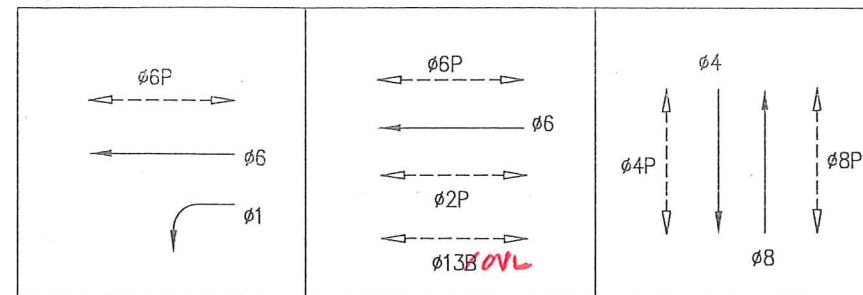
SIGNAL TURN-ON
9/16/08
-DRC

MASONIC AVE

FELL ST

R/S EX 8" TS NO. 62
ADD NEW 35/2" VA TS NO. 62

PHASE DIAGRAM



PHASE SEQUENCE

←	←	←			FELL ST. (WBLT)	
G	Y	R			FELL ST. (WB THRU)	
R		G	Y		MASONIC AVE.	
WM	FRH	RH			PED XING MASONIC (N/S)	
RH	WM	FRH	RH			PED/BIKE XING MASONIC (S/S)
RH		WM	FRH	RH	PED XING FELL ST.	

SHEET NOTES:

1. ADD SIGNAL PHASES 1 AND 13B OVL.
2. ADD NEW POLE #3.
3. ADD SIGNAL #16 TO POLE #2.
4. ADD SIGNALS #137 AND #138 TO POLE #3; R/S EX SIGNAL #21.
5. ADD SIGNALS #130 AND #139 TO POLE #4.
6. ADD NEW 12" SIGNALS #41 AND #42; R/S EXISTING 8" SIGNALS.
7. INSTALL SENSYS WIRELESS DETECTION SYSTEM FOR PHASE 1 WBLT.

DETAIL NOTES:

- ⬡ EX CONDUIT AND WIRING. EX TS WIRING AND SL WIRING TO REMAIN F/I NEW WIRING AS NOTED.
- ⬢ LOCATION OF SENSYS WIRELESS MAGNETIC DETECTORS IN THE WBLT LANE TO BE DETERMINED IN THE FIELD.

AS BUILT DRAWING -DRC 9/16/08



DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: DATE: 07/03/08
DRC
DRAWN: DATE: 08/08/08
DRC
CHECKED: DATE: 08/11/08
DRC

APPROVED: DATE: 8/19/08
SECTION ENGINEER
DEP. DIRECTOR AND CITY TRAFFIC ENGINEER

SCALE: 1"=20'
SHEET OF SHEETS: 1 OF 3

TRAFFIC SIGNAL MODIFICATION
FELL STREET AND MASONIC AVENUE
WESTBOUND LEFT TURN

CONTRACT NO.
DRAWING NO.
FILE NO.
REV. NO.

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

REFERENCE INFORMATION & FILE NO. OF SURVEYS

EXTERNAL REFERENCES: FONTS USED:
SCALE FACTOR: 1"=1'
PLOT SCALE: 1"=1'
ORIGIN: DATE: 08/11/08

CONDUIT AND WIRING SCHEDULE

CONDUIT RUN NUMBER	△1	△2	△3	△4	△5	△6	△6A	△6B	△7	△8	△9	△10	△11	△12	△13	△14	△15	△16	△17	△18	△19			
CONDUIT SIZE IN INCH(S) (MM)	2 (53)	2 (53)	2 (53)	2 (53)	1 1/2 (41.8)	2 (53)	2 (53)	1 1/2 (41.8)	2 (53)	2 (53)	2 (53)	EX	2 (53)	2 (53)	2 (53)	2 (53)	2 (53)	1 1/2 (41.8)	2 (53)	2 (53)	2 (53)			
NOTES										△A2	△A2	△A2	△A2		△A2	△A2			SP	SP	SP			
#14 WIRES																								
SIGNAL 61	3		3			3								3										
SIGNAL 64	3		3			3								3										
SIGNAL 68	2		2			2								2										
SIGNAL 49		2	2			2								2										
SIGNAL 82		3	3			3								3										
SIGNAL 81				3			3								3									
SIGNAL 84				3			3								3									
SIGNAL 69				2			2								2									
SIGNAL 88				2			2								2									
SIGNAL 48									2		2						2							
SIGNAL 62									3		3						3							
SIGNAL 29										2	2						2							
SIGNAL 41										3	3						3							
SIGNAL 44										3	3						3							
SIGNAL 89												2		2										
SIGNAL 28													2				2							
SIGNAL 42													3				3							
SIGNAL 16												3			3									
SIGNAL 137													3				3							
SIGNAL 138													3				3							
SIGNAL 12										3	3						3							
SIGNAL 130										3	3						3							
SIGNAL 139										3	3						3							
SPARE			3			3	3				3			3	3	3	3							
#14 WIRES NEUTRAL	3	2		2					2	3		1	3											
TOTAL #14 WIRES	11	7	16	12		16	13		7	20	25	6	14	16	18	18	24							
#10 WIRES NEUTRAL			1			1	1							1	1	2	2							
#8 WIRES (120V SERVICE)					2			2										2						
#8 WIRES (STREET LIGHT) DETECTOR LEAD-IN CABLE	2		2	2		2				2	2				2		2							
12C CABLE																								
1/4" PULL CABLE			1		1	1	1				1			1	1	1	1		1	1	1			
#6 BSCW					1			1						1				1						

("BOLD")

WIRING (EX)

WIRING (NEW)

DETAIL NOTES:

△A2 EX CONDUIT AND WIRING. EX TS WIRING AND SL WIRING TO REMAIN.
F/1 NEW WIRING AS NOTED.



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DEPARTMENT OF PARKING AND TRAFFIC
DIVISION OF TRAFFIC ENGINEERING
CITY AND COUNTY OF SAN FRANCISCO

DESIGNED: DATE: 07/09/08	APPROVED: [Signature] DATE: 8/19/08	SCALE: NO SCALE
DRAWN: DATE: 08/08/08	SECTION ENGINEER: [Signature] DATE: 8/19/08	SHEET OF SHEETS: 2 OF 3
CHECKED: DATE: 08/11/08	DEP. DIRECTOR AND CITY TRAFFIC ENGINEER: [Signature] DATE: 8/19/08	

TRAFFIC SIGNAL MODIFICATION

FELL STREET AND MASONIC AVENUE
WESTBOUND LEFT TURN

CONTRACT NO.
DRAWING NO.
FILE NO.
REV. NO.

EXTERNAL REFERENCES: FONTS USED: SCALE FACTOR: PLOT SCALE: 1"=1' ORIGIN: DATE: 08/11/08

POLE AND EQUIPMENT SCHEDULE

POLES		LUMINAIRE (HPS)	VEHICULAR SIGNALS			PEDESTRIAN SIGNALS			REMARKS
POLE ID	TYPE	VOLTAGE/WATTS	NO	TYPE	MOUNTING (F/I)	NO	TYPE	MOUNTING (F/I)	
1	17-1-70 15' MASTARM	240V/150W	81	3S8"	SV-1-T	69	1S-IN	SP-1 3F (12")	BACKPLATE
			84	3S12"	MAS	88	1S-IN	SP-1 (22")	
2	MARBLELITE SL		16	3S12" LA	SV-1-T	89	1S-IN	SP-1	
3	1-A (13')		42	3S12"	SV-3-TA	28	1S-IN	SP-1	⬡ B1 BIKE SIGNAL BIKE SIGNAL ⬡ B2
			137	3S12" BIKE					
			138	3S12" BIKE					
4	17-1-70 15' MASTARM	240V/100W	41	3S12"	SV-1-T	29	1S-IN	SP-1	⬡ B3 BIKE SIGNAL BIKE SIGNAL BACKPLATE
			12	3S12" LA					
			130	3S12" BIKE	SV-3-TA				
			139	3S12" BIKE					
5	1-A (10')		<u>62</u>	<u>3S12" VA</u>	<u>TV-1-T</u>	48	1S-IN	SP-1	
			61	3S8"	SV-1-T				
6	17-1-70 15' MASTARM	240V/200W	64	3S12"	MAS	68	1S-IN	SP-1	BACKPLATE
			82	3S8"	TV-1				
7	1-A (10')					49	1S-IN	SP-1	

ALL NEW ("BOLD")

DETAIL NOTES:

- ⬡ B1 R/S EX TS NO. 42. EX TS WIRING TO REMAIN.
- ⬡ B2 R/S EX TS NO. 21. EX TS WIRING TO REMAIN.
- ⬡ B3 R/S EX TS NO. 41. EX TS WIRING TO REMAIN.



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 SECTION ENGINEER
 DEP. DIRECTOR AND
 CITY TRAFFIC ENGINEER

SCALE: NO SCALE
 SHEET OF SHEETS: 3 OF 3

TRAFFIC SIGNAL MODIFICATION
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