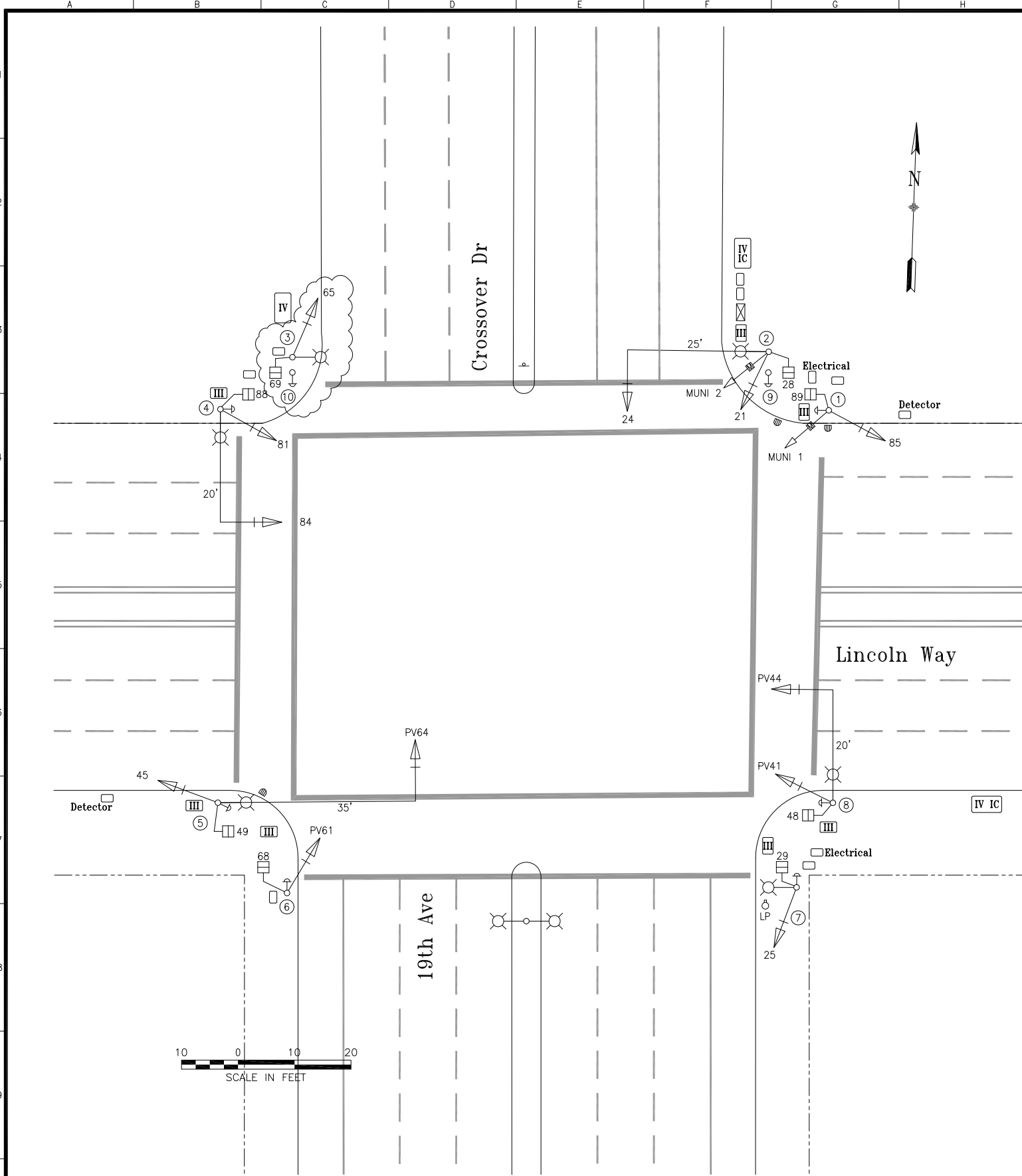
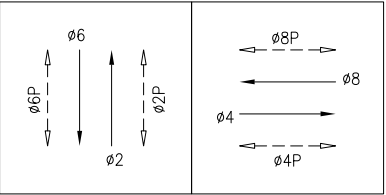




POLE AND EQUIPMENT SCHEDULE											
POLE No.	TYPE OF POLE	LUMINAIRE VOLTAGE/WATTAGE	VEHICLE SIGNAL					PEDESTRIAN SIGNAL			REMARKS
			No.	TYPE	MOUNTING	VISORS	LOUVERS/BP	No.	TYPE	MOUNTING	
①	1-A (10')		85 M1	3S12" 3S8"	TV-2-T	T T	BP BP	89	1S-COUNT	SP-1-T	PPB MUNI LT SIGNAL
②	19-4-100 WITH 25' MAST ARM AND 8' LUMINAIRE ARM	200	21 24 M2	3S12" 3S12" 3S8"	SV-1-T MAS SV-1-T	T T T	BP BP BP	28	1S-COUNT	SP-1-T	MUNI LT SIGNAL
③	15TS WITH 8' LUMINAIRE ARM	200	65	3S12"	SV-1-T	T	BP	69	1S-COUNT	SP-1-T	
④	19-2-100 WITH 20' MAST ARM AND 8' LUMINAIRE ARM	200	81 84	3S12" 3S12"	SV-1-T MAS	T T	BP BP	88	1S-COUNT	SP-1-T	PPB
⑤	24-4-100 WITH 35' MAST ARM AND 8' LUMINAIRE ARM	200	45 PV64	3S12" 3S12"	SV-1-T MAS	T CAP	BP BP	49	1S-COUNT	SP-1-T	PPB
⑥	1-A (10')		PV61	3S12"	TV-1-T	T	BP	68	1S-COUNT	SP-1-T	PPB
⑦	15TS WITH 8' LUMINAIRE ARM	200	25	3S12"	SV-1-T	T	BP	29	1S-COUNT	SP-1-T	PPB
⑧	17-2-100 WITH 20' MAST ARM AND 8' LUMINAIRE ARM	200	PV41 PV44	3S12" 3S12"	SV-1-T MAS	CAP CAP	BP BP	48	1S-COUNT	SP-1-T	PPB
⑨	PPB POST										PPB
⑩	PPB POST										PPB

PHASE DIAGRAM



PHASE SEQUENCE

G	Y	R	19TH AVE (NB & SB) - ø2 & ø6		
R		G	Y	R	LINCOLN WAY (EB & WB) - ø4 & ø8
WM	FRH	RH			PED XING LINCOLN WAY (E/S & W/S) - ø2P & ø6P
RH		WM	FRH	RH	PED XING 19TH AVE (S/S & N/S) - ø4P & ø8P

1	9/2012	PER FIELD CHECK	GD	ET
0	3/19/2009	SIGNAL UPGRADE ACTIVATED THROUGH CONTRACT # 04-162514; CONVERTED FROM CONTRACT PLANS	GD	ET
NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS CHECK WITH TRACING TO SEE IF YOU HAVE LATEST REVISION				

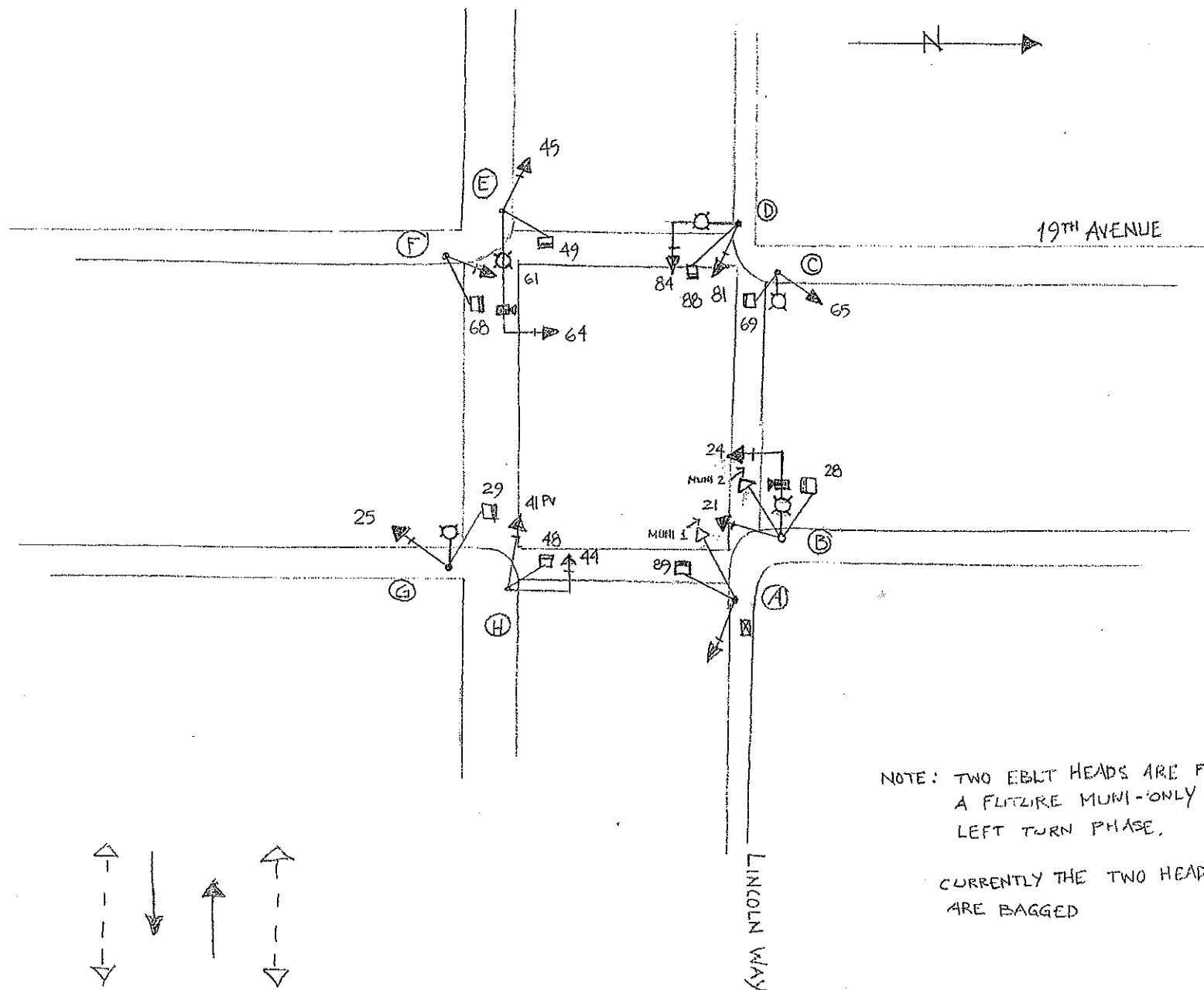
REFERENCE INFORMATION & FILE NO. OF SURVEYS	SIGNAL UPGRADE THROUGH CALTRANS 19TH AVE PHASE #1
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SAN FRANCISCO MUNICIPAL TRANSPORTATION AGENCY
CITY AND COUNTY OF SAN FRANCISCO

DRAWN: GD	DATE: 9/5/2012
CHECKED: ET	DATE: 9/5/2012

SCALE: AS SHOWN	SHEET OF SHEETS 1 OF 1
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TRAFFIC SIGNAL INVENTORY DIAGRAM	CNN NO. 27374000
19TH AVENUE AND CROSSOVER DR AND LINCOLN WAY	REV NO. 1



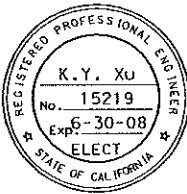
← --- → 6P
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 ↓ 4
 ↑ 8
 ↓ 8P

TIME PLOTTED => STIME
09-08-08

CONDUCTOR SCHEDULE		NUMBER OF CONDUCTORS																		
		CONDUCTOR DESIGNATION	RUN NUMBER																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
REVISOR	DATE	REVISOR	No. 14 CONDUCTORS																	
			Ø21, Ø24, Ø25	9	6	3	3	3						6						
			Ø41, Ø44, Ø45	9	3	6	6			3	3	3	3	3						
			Ø61, Ø64, Ø65	9	9				3	6	6	6	9	9						
			Ø81, Ø84, Ø85	9	9						6	6	6	6						
			MUN11, MUN12	6	6									3						
			Ø28, Ø29	4	2	2	2	2						2						
			Ø48, Ø49	4	2	2	2			2	2	2	2	2						
			Ø68, Ø69	4	4				2	2	2	2	4	4						
			Ø88, Ø89	4	4						2	2	2							
HENRY Q. GU	DATE	HENRY Q. GU	PPB(Ø28, Ø29)	2	1	1														
			PPB(Ø48, Ø49)	2	1	1		1	1	1	1	1	1	1						
			PPB(Ø68, Ø69)	2	2					1	1	2	2	2					2	
			PPB(Ø88, Ø89)	2	2								1	2						
			PPB NEUTRAL	1	1	1		1	1	1	1	1	1	1					1	
			TOTAL No. 14	67	52	18	18	7	7	16	16	25	31	43					3	
			No. 8 CONDUCTORS																	
			SIGNAL NEUTRAL	1	1	1		1	1	1	1	1	1	1						
			LIGHTING(240 V)		2	2	2	2				2	2	2	6				2	
			TOTAL No. 8	1	3	3	3	3	1	1	1	3	3	3	6					
CALCULATED-DESIGNED BY	CHECKED BY	KENNETH Y. XU	No. 6 CONDUCTORS																	
			120 V SERVICE TO CONTROLLER	2															2	
			TOTAL No. 6	2															2	
			DETECTOR CABLES (TYPE 8)																	
			416U	1	1						1	1	1	1						
			416L	1	1						1	1	1	1						
			417U	1	1						1	1	1	1						
			417L	1	1						1	1	1	1						
			418U	1	1						1	1	1	1						
			418L	1	1						1	1	1	1						
SUPERVISING ENGINEER	DATE	KENNETH Y. XU	8J6U	1																
			8J6L	1																
			8J7U	1																
			8J7L	1																
			8J8L	1																
			8J8U	1																
			TOTAL DETECTOR CABLES	12	6	2				4	6	6	6	6		4	4	2	2	
			VIDEO DETECTION CABLE																	
			SYSTEM DETECTION NB	1	1									1						
			SYSTEM DETECTION SB	1	1					1	1	1	1	1						
ELECTRICAL	DATE	KENNETH Y. XU	TOTAL VIDEO DETECTION CABLE	2	2					1	2	1	1	1	2					
			CONDUIT SIZE																	
				2-3	2-3	2-3	2-3	1-1/2	1-1/2	2-3	2-3	2-3	2-3	2-3	2-3	1-1/2	2-3	1-1/2	1-1/2	2

POLE AND EQUIPMENT SCHEDULE									
LOCATION	STANDARD			VEH SIGNAL MOUNTING		PED SIGNAL MOUNTING	PPB	HPS LUMINAIRE (WATTS)	
	TYPE	SMA	LMA	MAST ARM	POLE				
(A)	1-A		12 8		TV-2-T	SP-1-T	28	200	
(B)	19-4-100	25	12 8	MAS	SV-1-T	SP-1-T	89	200	
(C)	15TS		12 8		SV-1-T	SP-1-T	88	200	
(D)	19-2-100	20			SV-1-T	SP-1-T	69	200	
(E)	19A-4-100	25	8	MAS	SV-1-T	SP-1-T	49	200	
(F)	24-4-100	35	8	MAS	SV-1-T	SP-1-T	49	200	
(G)	1-A				TV-1-T	SP-1-T	68	200	
(H)	15TS		15 8		SV-1-T	SP-1-T	48	200	
(I)	17-2-100	20		MAS	SV-1-T	SP-1-T	29		
(J)	16-3-100	20		MAS	SV-1-T				
	PPB								
	1-ROST				SV-1-T	SP-1-T	89		



CHANGE ORDER NO. _____
CONTRACT NO. 162514
SHEET OF SHEETS

A CCO

MODIFY SIGNAL AND LIGHTING
(CONDUCTOR, POLE AND EQUIPMENT SCHEDULES)
(LOCATION No. 10)
ROUTE 1 (19TH Ave) / LINCOLN WAY E-23