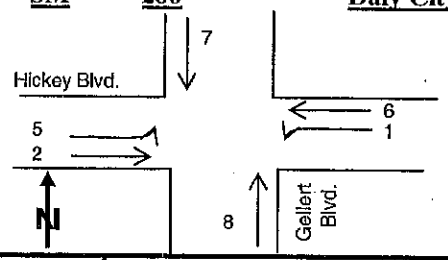
INTERVAL	TIMING FUNCTION	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
0	WALK		7				7	7	7
1	FLASHING DON'T WALK		22				23	23	23
2	MINIMUM INITIAL	6	10			6	10	6	6
3	TYPE 3 DET. DISCONNECT	0	16			0	16	0	0
4	ADDED SEC./ACTUATION	0	1.5			0	1.5	0	0
5	PASSAGE	2	4			2	4	2	2
6	MAXIMUM GAP	3	5			3	5	3	3
7	MINIMUM GAP	1	3			1	3	1.5	1.5
8	MAXIMUM EXTENSION I	21	20			16	20	16	21
9	MAXIMUM EXTENSION II	26							
A	MAXIMUM EXTENSION III								
B									
C	SEC. OF GAP REDUCED	0.1	0.1			0.1	0.1	0.1	0.1
D	PER SEC. OF INTERVAL	0.8	1.5			0.8	1.5	0.8	1
E	YELLOW	3	4			3	4	3.2	3.2
F	RED CLEARANCE	0	0			0	0	1	1

TURN ON	TIMING CHANGE BY:	REMARKS	FILE
1715EB/W	SC	ALL RED FLASH	
DATE	DATE	Print Date / By / FILENAME / E#	OPERATION
May 20, '93	July 27, '09	July 27, '09 / SC / Hickey_Gellert_C8.xls	5Ø

COUNTY	ROUTE	PM	CITY
SM	280		Daly City



INTERSECTION: **HICKEY BLVD. & GELLERT BLVD. (CITY)** — PROGRAM: **C8.4** Ld/Lg

NOTE: To Initialize Controller: 1)Set Location & Feature Switches; 2) Clear RAM Location C-C-0 with STOP-TIME ON; 3) Enter Non-zero at C-C-1 to enter timing; 4)Enter 0 at C-C-1 to start

******SET REAL TIME CLOCK TO TELEPHONE TIME******

* MODEM REQUIRED; MASTER @ RTE 280 NB RAMPS & HICKEY BLVD. *

*** Set Phase 3 timing the same as phase 8 timings for proper operation of EV

Updates to coordination plans per implementation/fine-tuning - 11/2008.

INTERVAL	FLAG FUNCTION	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
0	PERMITTED PHASES	F 243	ON	ON			ON	ON	ON	ON
1	RED DETECTOR LOCK									
2	YELLOW DET. LOCK	F 017	ON				ON			
3	VEHICLE RECALL	F 034		ON				ON		
4	PEDESTRIAN RECALL									
5	PEDESTRIAN PHASES	F 226		ON				ON	ON	ON
6	OVERLAP A									
7	OVERLAP B									
8	DOUBLE ENTRY	F 034		ON				ON		
9	MAX EXT. II	F 001	ON							
A	LAG PHASES	VIEW	*FOR OBSERVATION ONLY (SET LAG PHASES AT C-F-0 TO C-F-9)*							
B	RED REST									
C	NON ACTUATED									
D	MAXIMUM EXT. III									
E	START UP YELLOW									
F	FIRST PHASE GREEN	F 034		ON				ON		

EPROM BOARD - 412C

CHIP	PROGRAM	NUMBER	CHECKSUM	CHIP	PROGRAM	NUMBER	CHECKSUM
U1	C8.4	C#69	28D4	U2	C8.4	D#69	O6CE

	1	2	3	4	5	6	7	8
LOCATION (1=ON)								
SWITCH (0=OFF)	1	1	0	0	0	0	0	0
FEATURE (1=ON)								
SWITCH (0=OFF)	0	0	0	0	0	0	0	0

CODE	FUNCTION	ENTER	DISPLAY	
			LAMPS	TIMING
F-0-E	MAXIMUM VARIABLE INITIAL	20 E		F 020
F-0-F	RED REVERT	20 E		F 02.0
F-D-0	TBCSEL	1 E		F 001
F-D-1	HOUR	0 E		F 000
F-D-2	MINUTE	0 E		F 000
F-D-8	OFFSET SEEKING FLAG	1 E		F 001
C-0-0	LOCAL ADDRESS	OBSERVE	ONLY	C 003
C-C-2	PC MASTER DOWNLOAD	0 E		C 000
C-F-C	COORDINATED FAZES	2 6	2 6	C 034
D-0-9	FEATURE (Set by Feature Switch)	OBSERVE	ONLY	d 000
* F-C-F	RAM ACCESS (Set/Clear)	123 E		F123
* E-C-D	ASSIGN DETECTOR 3I9L AS 1I9L	1	1	E001
* E-F-4	Assign 6J3L as calling type	7	7	E064
* F-C-F	RAM ACCESS (Set/Clear)	0 E		F000
* E-F-7	Ph 7 Ped Output to Ph 4 Ped L/S	7	7	E064
F-E-8	EVD Delay	20 E		F020
F-E-9	EVD Hold	10 E		F010
F-E-A	EV MAX TIMER	15 E		F015
C-F-0	LAG FAZES "FREE"	2 4 5 8	2 4 5 8	C 154
C-F-1	LAG FAZES "PATTERN 1"	2 4 5 8	2 4 5 8	C 154
C-F-2	LAG FAZES "PATTERN 2"	2 4 5 8	2 4 5 8	C 154
C-F-3	LAG FAZES "PATTERN 3"	2 4 5 7	2 4 5 7	C 090
C-F-4	LAG FAZES "PATTERN 4"	2 4 5 7	2 4 5 7	C 090
C-F-5	LAG FAZES "PATTERN 5"	2 4 5 8	2 4 5 8	C 154
C-F-6	LAG FAZES "PATTERN 6"	2 4 5 8	2 4 5 8	C 154
C-F-7	LAG FAZES "PATTERN 7"	2 4 5 8	2 4 5 8	C 154
C-F-8	LAG FAZES "PATTERN 8"	1 4 6 8	1 4 6 8	C 169
C-F-9	LAG FAZES "PATTERN 9"	2 4 5 7	2 4 5 7	C 090

CODE	FUNCTION	ENTER	DISPLAY	
			LAMPS	TIMING
D-3-C	STRETCH DETECTOR 1I9U	20 E		d02.0
D-3-D	STRETCH DETECTOR 1I9L	20 E		d02.0
C-E-1	LAG PHASE Gap-Out "PATTERN 1"	5 E		C 005
C-E-2	LAG PHASE Gap-Out "PATTERN 2"	5 E		C 005
C-E-3	LAG PHASE Gap-Out "PATTERN 3"	5 E		C 005
C-E-4	LAG PHASE Gap-Out "PATTERN 4"	5 E		C 005
C-E-5	LAG PHASE Gap-Out "PATTERN 5"	5 E		C 005
C-E-6	LAG PHASE Gap-Out "PATTERN 6"	5 E		C 005
C-E-7	LAG PHASE Gap-Out "PATTERN 7"	E		C
C-E-8	LAG PHASE Gap-Out "PATTERN 8"	E		C
C-E-9	LAG PHASE Gap-Out "PATTERN 9"	E		C

SM	280	0	HICKEY BLVD. & GELLERT BLVD. (CITY)	Daly City
County	Route	PM	Location	City

PATTERN 1

CODE	FUNCTION	ENTER	DISPLAY
C-1-0	CYC. LENG.	100 E	C 100
C-1-1	ϕ 1 SPLIT	20 E	C 020
C-1-2	ϕ 2 SPLIT	E	C
C-1-3	ϕ 3 SPLIT	E	C
C-1-4	ϕ 4 SPLIT	E	C
C-1-5	ϕ 5 SPLIT	14 E	C 014
C-1-6	ϕ 6 SPLIT	E	C
C-1-7	ϕ 7 SPLIT	19 E	C 019
C-1-8	ϕ 8 SPLIT	21 E	C 021
C-1-A	OFFSET A	0 E	C 000
C-1-B	OFFSET B	E	C
C-1-C	OFFSET C	E	C

PATTERN 2

CODE	FUNCTION	ENTER	DISPLAY
C-2-0	CYC. LENG.	100 E	C 100
C-2-1	ϕ 1 SPLIT	17 E	C 017
C-2-2	ϕ 2 SPLIT	E	C
C-2-3	ϕ 3 SPLIT	E	C
C-2-4	ϕ 4 SPLIT	E	C
C-2-5	ϕ 5 SPLIT	14 E	C 014
C-2-6	ϕ 6 SPLIT	E	C
C-2-7	ϕ 7 SPLIT	19 E	C 019
C-2-8	ϕ 8 SPLIT	21 E	C 021
C-2-A	OFFSET A	0 E	C 000
C-2-B	OFFSET B	E	C
C-2-C	OFFSET C	E	C

PATTERN 3

CODE	FUNCTION	ENTER	DISPLAY
C-3-0	CYC. LENG.	110 E	C 110
C-3-1	ϕ 1 SPLIT	25 E	C 025
C-3-2	ϕ 2 SPLIT	E	C
C-3-3	ϕ 3 SPLIT	E	C
C-3-4	ϕ 4 SPLIT	E	C
C-3-5	ϕ 5 SPLIT	25 E	C 025
C-3-6	ϕ 6 SPLIT	E	C
C-3-7	ϕ 7 SPLIT	24 E	C 024
C-3-8	ϕ 8 SPLIT	21 E	C 021
C-3-A	OFFSET A	57 E	C 057
C-3-B	OFFSET B	E	C
C-3-C	OFFSET C	E	C

PATTERN 4

CODE	FUNCTION	ENTER	DISPLAY
C-4-0	CYC. LENG.	120 E	C 120
C-4-1	ϕ 1 SPLIT	21 E	C 021
C-4-2	ϕ 2 SPLIT	E	C
C-4-3	ϕ 3 SPLIT	E	C
C-4-4	ϕ 4 SPLIT	E	C
C-4-5	ϕ 5 SPLIT	15 E	C 015
C-4-6	ϕ 6 SPLIT	E	C
C-4-7	ϕ 7 SPLIT	31 E	C 031
C-4-8	ϕ 8 SPLIT	27 E	C 027
C-4-A	OFFSET A	67 E	C 067
C-4-B	OFFSET B	E	C
C-4-C	OFFSET C	E	C

PATTERN 5

CODE	FUNCTION	ENTER	DISPLAY
C-5-0	CYC. LENG.	110 E	C 110
C-5-1	ϕ 1 SPLIT	17 E	C 017
C-5-2	ϕ 2 SPLIT	E	C
C-5-3	ϕ 3 SPLIT	E	C
C-5-4	ϕ 4 SPLIT	E	C
C-5-5	ϕ 5 SPLIT	12 E	C 012
C-5-6	ϕ 6 SPLIT	E	C
C-5-7	ϕ 7 SPLIT	23 E	C 023
C-5-8	ϕ 8 SPLIT	25 E	C 025
C-5-A	OFFSET A	E	C 000
C-5-B	OFFSET B	E	C
C-5-C	OFFSET C	E	C

PATTERN 6

CODE	FUNCTION	ENTER	DISPLAY
C-6-0	CYC. LENG.	120 E	C 120
C-6-1	ϕ 1 SPLIT	22 E	C 022
C-6-2	ϕ 2 SPLIT	E	C
C-6-3	ϕ 3 SPLIT	E	C
C-6-4	ϕ 4 SPLIT	E	C
C-6-5	ϕ 5 SPLIT	12 E	C 012
C-6-6	ϕ 6 SPLIT	E	C
C-6-7	ϕ 7 SPLIT	23 E	C 023
C-6-8	ϕ 8 SPLIT	25 E	C 025
C-6-A	OFFSET A	E	C 000
C-6-B	OFFSET B	E	C
C-6-C	OFFSET C	E	C

PATTERN 7

CODE	FUNCTION	ENTER	DISPLAY
C-7-0	CYC. LENG.	110 E	C 110
C-7-1	ϕ 1 SPLIT	20 E	C 020
C-7-2	ϕ 2 SPLIT	E	C
C-7-3	ϕ 3 SPLIT	E	C
C-7-4	ϕ 4 SPLIT	E	C
C-7-5	ϕ 5 SPLIT	9 E	C 009
C-7-6	ϕ 6 SPLIT	E	C
C-7-7	ϕ 7 SPLIT	31 E	C 031
C-7-8	ϕ 8 SPLIT	25 E	C 025
C-7-A	OFFSET A	45 E	C 045
C-7-B	OFFSET B	E	C
C-7-C	OFFSET C	E	C

PATTERN 8

CODE	FUNCTION	ENTER	DISPLAY
C-8-0	CYC. LENG.	120 E	C 120
C-8-1	ϕ 1 SPLIT	24 E	C 024
C-8-2	ϕ 2 SPLIT	E	C
C-8-3	ϕ 3 SPLIT	E	C
C-8-4	ϕ 4 SPLIT	E	C
C-8-5	ϕ 5 SPLIT	18 E	C 018
C-8-6	ϕ 6 SPLIT	E	C
C-8-7	ϕ 7 SPLIT	31 E	C 031
C-8-8	ϕ 8 SPLIT	21 E	C 021
C-8-A	OFFSET A	35 E	C 035
C-8-B	OFFSET B	E	C
C-8-C	OFFSET C	E	C

PATTERN 9

CODE	FUNCTION	ENTER	DISPLAY
C-9-0	CYC. LENG.	120 E	C 120
C-9-1	ϕ 1 SPLIT	25 E	C 025
C-9-2	ϕ 2 SPLIT	E	C
C-9-3	ϕ 3 SPLIT	E	C
C-9-4	ϕ 4 SPLIT	E	C
C-9-5	ϕ 5 SPLIT	11 E	C 011
C-9-6	ϕ 6 SPLIT	E	C
C-9-7	ϕ 7 SPLIT	31 E	C 031
C-9-8	ϕ 8 SPLIT	33 E	C 033
C-9-A	OFFSET A	51 E	C 051
C-9-B	OFFSET B	E	C
C-9-C	OFFSET C	E	C

COORD MAX RECALL

CODE	PATTERN	ENTER	CALL LAMPS	TIMING DATA
D-D-1	1			d
D-D-2	2			d
D-D-3	3			d
D-D-4	4			d
D-D-5	5			d
D-D-6	6			d
D-D-7	7			d
D-D-8	8			d
D-D-9	9			d

COORD MIN RECALL

CODE	PATTERN	ENTER	CALL LAMPS	TIMING DATA
D-E-1	1			d
D-E-2	2			d
D-E-3	3			d
D-E-4	4			d
D-E-5	5			d
D-E-6	6			d
D-E-7	7			d
D-E-8	8			d
D-E-9	9			d

COORD PED RECALL

CODE	PATTERN	ENTER	CALL LAMPS	TIMING DATA
D-F-1	1			d
D-F-2	2			d
D-F-3	3			d
D-F-4	4			d
D-F-5	5			d
D-F-6	6			d
D-F-7	7			d
D-F-8	8			d
D-F-9	9			d

SM	280	0	HICKEY BLVD. & GELLERT BLVD. (CITY)	Daly City
County	Route	PM	LOCATION	CITY

CONTROL CODE "7"

TIME OF DAY ACTIVITY TABLE

KEY STROKES 7 + EVENT # + HOUR + MIN + ACT CODE + "E" + ON/OFF + DOW LTS

EVENT #	TIME	ACTIVITY CODE	DEPRESS "E"	ON/OFF	DAY OF THE WEEK SET DISPLAY LIGHTS 1-7							
				LIGHT	SUN	MON	TUE	WED	THUR	FRI	SAT
				0	1	2	3	4	5	6	7
0	0715	2	E	ON		X	X	X	X	X	
1	0845	2	E	OFF		X	X	X	X	X	
2	1000	2	E	ON		X	X	X	X	X	
3	1900	2	E	OFF		X	X	X	X	X	
4			E								
5			E								
6			E								
7			E								
8			E								
9			E								
A			E								
B			E								
C			E								
D			E								
E			E								
F			E								

CONTROL CODE "9"

TIME OF DAY SELECTION FOR COORDINATED CONTROL PLANS

KEY STROKES 9 + EVENT # + HOUR + MIN + Control Plan + Offset + "E" + DOW LTS

DATE	BY	EVENT #	TIME	CONTROL PLAN	OFFSET	DEPRESS "E"	DAY OF THE WEEK SET DISPLAY LIGHTS 1-7						
							SUN	MON	TUE	WED	THUR	FRI	SAT
							1	2	3	4	5	6	7
		0	0700	7	A	E		X	X	X	X	X	
		1	0930	E	A	E		X	X	X	X	X	
		2	1100	8	A	E		X	X	X	X	X	
		3	1500	9	A	E		X	X	X	X	X	
		4	1915	E	A	E		X	X	X	X	X	
		5	1030	3	A	E							X
		6	1200	4	A	E							X
		7	1700	3	A	E							X
		8	1800	E	A	E							X
		9	1100	3	A	E	X						
		A	1600	E	A	E	X						
		B				E							
		C				E							
		D				E							
		E				E							
		F				E							

"7" KEY ACTIVITY CODE

1=TYPE OF SIMULTANEOUS PHASE TERMINATION
2=MAX 2 FAZES
3=MAX 3 FAZES
4=CONDITIONAL SERVICE (1ST SELECT) FAZES SET AT E-F-0
5=CONDITIONAL SERVICE (2ND SELECT) FAZES SET AT E-F-1
6=ENERGIZE AUX 6 RED
7=ENERGIZE AUX 6 GREEN
8=ENERGIZE AUX 6 YELLOW
9=CONSTANT CALL ON FAZES SET AT D-F-A
A=TRAFFIC ACTUATED MAX 2 OPERATION
B=CONSTANT CALL ON FAZES SET AT D-F-B
C=YELLOW YIELD COORDINATION
D=YELLOW YIELD COORDINATION
E=COORD FREE IF F-D-4 = 0
F=FLASHING OPERATION

SM	280	0	HICKEY BLVD. & GELLERT BLVD. (CITY)	Daly City
County	Route	PM	Location	City

INTERSECTION: John Daly & Sheffield

Group Assignment: **NONE**
Field Master Assignment: **NONE**
System Reference Number: **8**

N/S Street Name: **Not Assigned**
E/W Street Name: **Not Assigned**

Last Database Change: **4/26/2013 8:07**

Change Record					
Change	By	Date	Change	By	Date
new Walk and FDW	KH	04/13			
new timing plans	KH	04/13			
new gap max		12/15			
new yellow time		12/15			

Notes:

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Drop Number	5	<C/0+0+0>
Zone Number	0	<C/0+0+1>
Area Number	0	<C/0+0+2>
Area Address	5	<C/0+0+3>
QuicNet Channel	COM101:	(QuicNet)

Communication Addresses

Manual Plan		<C/0+A+1>
Manual Offset		<C/0+B+1>

Manual Selection

Flash Start	8	<F/1+0+E>
Red Revert	5.0	<F/1+0+F>
All Red Start	5.0	<F/1+C+0>

Start / Revert Times

Exclusive Walk	0	<F/1+0+0>
Exclusive FDW	0	<F/1+0+1>
All Red Clear	0.0	<F/1+0+2>

Exclusive Ped Phase
(Outputs specified in Assignable Outputs at E/127+A+E & F)

Row	Column Numbers ---->	Phase 1	2	3	4	5	6	7	8
	Phase Names ---->								
0	Ped Walk	0	5	0	5	0	5	0	0
1	Ped FDW	0	22	0	26	0	18	0	0
2	Min Green	3	6	4	5	3	6	0	0
3	Type 3 Disconnect	0	0	0	0	0	0	0	0
4	Added per Vehicle	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
5	Veh Extension	3.0	3.5	3.0	3.0	2.0	3.5	0.0	0.0
6	Max Gap	3.5	4.0	6.0	4.0/4.5	2.5	4.0	0.0	0.0
7	Min Gap	2.5	3.0	4.0	2.5	1.5	3.0	0.0	0.0
8	Max Limit	30	45	20	20	10	40	0	0
9	Max Limit 2	40	50	35	35	15	60	0	0
A	Adv. / Delay Walk	0	0	0	0	0	0	0	0
B	PE Min Ped FDW	7	7	7	7	7	7	0	0
C	Cond Serv Check	10	10	10	10	10	10	0	0
D	Reduce Every	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	Yellow Change	3.0	3.9/4.3	3.5	3.0	3.0	3.9/4.3	0.0	0.0
F	Red Clear	1.0	1.0	1.5	1.0	0.5	1.0	0.0	0.0

Phase Timing - Bank 1 <C+0+F=1>

	9 ---	A ---	B ---	C ---	D ---
Phase 1	0	0	0	0	0.0
Phase 2	20	0	0	0	0.0
Phase 3	0	0	0	0	0.0
Phase 4	0	0	0	0	0.0
Phase 5	0	0	0	0	0.0
Phase 6	20	0	0	0	0.0
Phase 7	0	0	0	0	0.0
Phase 8	20	0	0	0	0.0
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing <C+0+F=1>

E	
RR-1 Delay	0
RR-1 Clear	0
EV-A Delay	0
EV-A Clear	0
EV-B Delay	0
EV-B Clear	0
EV-C Delay	0
EV-C Clear	0
EV-D Delay	0
EV-D Clear	0
RR-2 Delay	0
RR-2 Clear	0
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing

Row	F	
0	Permit	123456__
1	Red Lock	_____
2	Yellow Lock	_____
3	Min Recall	_____
4	Ped Recall	_____
5	*View Set Peds*	-----
6	Rest In Walk	_____
7	Red Rest	_____
8	Dual Entry	_____
9	Max Recall	_____
A	Soft Recall	_2___6__
B	Max 2	_____6__
C	Cond. Service	_____
D	Man Cntrl Calls	_____
E	Yellow Start	_____
F	First Phases	_2___6__

Phase Functions <C+0+F=1>

Row	Column Numbers --->	Overlap 1	2	3	4	5	6	7	8
	Overlap Name --->								
0	Load Switch Number	13	9	0	0	0	0	0	0
1	Veh Set 1 - Phases	34 8	34						
2	Veh Set 2 - Phases								
3	Veh Set 3 - Phases								
4	Neg Veh Phases	12 56							
5	Neg Ped Phases		12 56						
6	Green Omit Phases								
7	Green Clear Omit Phs.								
8									
9									
A									
B									
C									
D	Green Clear	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	Yellow Change	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0
F	Red Clear	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0

Overlap Assignments <C+0+E=29>

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = Solid FDW on EV
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = Split Ring

Extra 2 Flags
1 = AWB During Initial
2 = LMU Installed
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignore P/P on EV
6 =
7 = Reserved
8 =

Row		C
0	EV-A	125
1	EV-B	0
2	EV-C	0
3	EV-D	0
4	RR-1 *	- - -
5	RR-2 *	- - -
6	SE-1	0
7	SE-2	0

Preempt Priority
<C+0+E=125>
(* RR-1 is always Highest, and RR-2 is always Second Highest)

Row	Column Numbers --->	E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	
B	EV-B Phases	
C	EV-C Phases	
D	EV-D Phases	
E	Extra 1 Config. Bits	1 3 5
F	IC Select (Interconnect)	2

Configuration <C+0+E=125>

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	2
Ped for 6P Output	6
Ped for 4P Output	4
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	

Configuration <C+0+E=125>

	F
Fast Green Flash Phase	
Green Flash Phases	
Flashing Walk Phases	
Guaranteed Passage	
Simultaneous Gap Term	12345678
Sequential Timing	
Advance Walk Phases	
Delay Walk Phases	
External Recall	
Start-up Overlap Green	
Max Extension	
Inhibit Ped Reservice	
Semi-Actuated	
Start-up Overlap Yellow	
Start-up Vehicle Calls	12345678
Start-up Ped Calls	12345678

Specials <C+0+F=2>

Flash to PE & PE Non-Lock
1 = EV A 5 = RR 1
2 = EV B 6 = RR 2
3 = EV C 7 = SE 1
4 = EV D 8 = SE 2

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Row		2
0		
1	Phase 1	15
2	Phase 2	26
3	Phase 3	15
4	Phase 4	30
5	Phase 5	15
6	Phase 6	26
7	Phase 7	0
8	Phase 8	0

Coordination Transition Minimums
<C+0+C=5>

INTERSECTION: John Daly & Sheffield

Coord Extra
1 = Programmed WALK Time for Sync Phases
2 = Always Terminate Sync Phase Peds

Row	Column Numbers ---->	Plan 1	2	3	4	5	6	7	8	9	Row
	Plan Name ---->										
0	Cycle Length	116	116	120	110	114	120	0	0	0	0
1	Phase 1 - ForceOff	18	22	79	21	75	76	0	0	0	1
2	Phase 2 - ForceOff	0	0	0	0	0	0	0	0	0	2
3	Phase 3 - ForceOff	33	39	17	34	17	17	0	0	0	3
4	Phase 4 - ForceOff	69	75	53	66	53	53	0	0	0	4
5	Phase 5 - ForceOff	84	89	67	80	68	68	0	0	0	5
6	Phase 6 - ForceOff	0	0	0	20	0	0	0	0	0	6
7	Phase 7 - ForceOff	0	0	0	0	0	0	0	0	0	7
8	Phase 8 - ForceOff	0	0	0	0	0	0	0	0	0	8
9	Ring Offset	0	0	0	0	0	0	0	0	0	9
A	Offset 1	40	42	110	45	60	55	0	0	0	A
B	Offset 2	0	0	0	0	0	0	0	0	0	B
C	Offset 3	0	0	0	0	0	0	0	0	0	C
D	Perm 1 - End	15	15	15	15	15	15	0	0	0	D
E	Hold Release	255	255	255	255	255	255	0	0	0	E
F	Zone Offset	0	0	0	0	0	0	0	0	0	F

Coordination - Bank 1 <C+0+C=1>

Row		E	Row
0			0
1	Plan 1 - Sync	2 6	1
2	Plan 2 - Sync	2 6	2
3	Plan 3 - Sync	2 6	3
4	Plan 4 - Sync	2 6	4
5	Plan 5 - Sync	2 6	5
6	Plan 6 - Sync	2 6	6
7	Plan 7 - Sync		7
8	Plan 8 - Sync		8
9	Plan 9 - Sync		9
A	NEMA Sync		A
B	NEMA Hold		B
C			C
D			D
E	Coord Extra		E
F			F

Sync Phases <C+0+C=1>

Row		1	2	3	4	5	6	7	8	9	Row
0	Ped Adjustment	0	0	0	0	0	0	0	0	0	0
1	Perm 2 - Start	0	0	0	0	0	0	0	0	0	1
2	Perm 2 - End	0	0	0	0	0	0	0	0	0	2
3	Perm 3 - Start	0	0	0	0	0	0	0	0	0	3
4	Perm 3 - End	0	0	0	0	0	0	0	0	0	4
5	Reservice Time	0	0	0	0	0	0	0	0	0	5
6	Reservice Phases										6
7											7
8	Pretimed Phases										8
9	Max Recall	1	1								9
A	Perm 1 Veh Phase	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678	A
B	Perm 1 Ped Phase	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678	B
C	Perm 2 Veh Phase										C
D	Perm 2 Ped Phase										D
E	Perm 3 Veh Phase										E
F	Perm 3 Ped Phase										F

Coordination - Bank 2 <C+0+C=2>

Row		F	Row
0			0
1	Free Lag	2 4 6 8	1
2	Plan 1 - Lag	1 4 6 8	2
3	Plan 2 - Lag	1 4 6 8	3
4	Plan 3 - Lag	2 4 6 8	4
5	Plan 4 - Lag	2 4 6 8	5
6	Plan 5 - Lag	2 4 6 8	6
7	Plan 6 - Lag	2 4 6 8	7
8	Plan 7 - Lag		8
9	Plan 8 - Lag		9
A	Plan 9 - Lag		A
B	External Lag		B
C			C
D			D
E			E
F			F

Lag Phases <C+0+C=1>

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Spec. Funct. 1	0	NOT-3	0	Max 2	0	Pretimed	0	Set Monday	0	Dial 2 (7-Wire)	0	Sim Term	0	0
1	Spec. Funct. 2	0	NOT-4	0	System Det 1	0	Plan 1	0	Ext. Perm 1	0	Dial 3 (7-Wire)	0	EV-A	71	1
2	Spec. Funct. 3	0	OR-4 (a)	0	System Det 2	0	Plan 2	0	Ext. Perm 2	0	Offset 1 (7-Wire)	0	EV-B	72	2
3	Spec. Funct. 4	0	OR-4 (b)	0	System Det 3	0	Plan 3	0	Reserved	0	Offset 2 (7-Wire)	0	EV-C	73	3
4	NAND-3 (a)	0	OR-5 (a)	0	System Det 4	0	Plan 4	0	Set Clock	0	Offset 3 (7-Wire)	0	EV-D	74	4
5	NAND-3 (b)	0	OR-5 (b)	0	System Det 5	0	Plan 5	0	Stop Time	82	Free (7-Wire)	0	RR-1	51	5
6	NAND-4 (a)	0	OR-6 (a)	0	System Det 6	0	Plan 6	0	Flash Sense	81	Flash (7-Wire)	0	RR-2	52	6
7	NAND-4 (b)	0	OR-6 (b)	0	System Det 7	0	Plan 7	0	Manual Enable	53	Excl. Ped Omit	0	Spec. Event 1	0	7
8	OR-7 (a)	0	Fig 3 Diamond	0	System Det 8	0	Plan 8	0	Man. Advance	80	NOT-1	0	Spec. Event 2	0	8
9	OR-7 (b)	0	Fig 4 Diamond	0	Max Inhibit (nema)	0	Plan 9	0	External Alarm	0	NOT-2	0	External Lag	0	9
A	OR-7 (c)	0	AND-4 (a)	0	Force A (nema)	0	DELAY-A	0	Phase Bank 2	0	OR-1 (a)	0	AND-1 (a)	0	A
B	OR-7 (d)	0	AND-4 (b)	0	Force B (nema)	0	DELAY-B	0	Phase Bank 3	0	OR-1 (b)	0	AND-1 (b)	0	B
C	OR-8 (a)	0	NAND-1 (a)	0	C.N.A. (nema)	0	DELAY-C	0	Overlap Set 2	0	OR-2 (a)	0	AND-2 (a)	0	C
D	OR-8 (b)	0	NAND-1 (b)	0	Hold (nema)	0	DELAY-D	0	Overlap Set 3	0	OR-2 (b)	0	AND-2 (b)	0	D
E	OR-8 (c)	0	NAND-2 (a)	0	Max Recall	0	DELAY-E	0	Detector Set 2	0	OR-3 (a)	0	AND-3 (a)	0	E
F	OR-8 (d)	0	NAND-2 (b)	0	Min Recall	0	DELAY-F	0	Detector Set 3	0	OR-3 (b)	0	AND-3 (b)	0	F

Assignable Inputs <C+0+E=126>

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Phase ON - 1	0	Preempt Fail	0	Flasher 0	0	Free	0	NOT-1	0	TOD Out 1	0	Dial 2 (7-Wire)	0	0
1	Phase ON - 2	0	Sp Evnt Out 1	0	Flasher 1	0	Plan 1	0	OR-1	0	TOD Out 2	0	Dial 3 (7-Wire)	0	1
2	Phase ON - 3	0	Sp Evnt Out 2	0	Fast Flasher	0	Plan 2	0	OR-2	0	TOD Out 3	0	Offset 1 (7-Wire)	0	2
3	Phase ON - 4	0	Sp Evnt Out 3	0	Fig 3 Diamond	0	Plan 3	0	OR-3	0	TOD Out 4	0	Offset 2 (7-Wire)	0	3
4	Phase ON - 5	0	Sp Evnt Out 4	0	Fig 4 Diamond	0	Plan 4	0	AND-1	0	TOD Out 5	0	Offset 3 (7-Wire)	0	4
5	Phase ON - 6	0	Sp Evnt Out 5	0			Plan 5	0	AND-2	0	TOD Out 6	0	Free (7-Wire)	0	5
6	Phase ON - 7	0	Sp Evnt Out 6	0			Plan 6	0	AND-3	0	TOD Out 7	0	Flash (7-Wire)	0	6
7	Phase ON - 8	0	Sp Evnt Out 7	0			Plan 7	0	NOT-2	0	TOD Out 8	0	Preempt	0	7
8	Ph. Check - 1	0	Sp Evnt Out 8	0	NOT-3	0	Plan 8	0	EV-A	0	Adv. Warn - 1	0	Low Priority A	0	8
9	Ph. Check - 2	0			NOT-4	0	Plan 9	0	EV-B	0	Adv. Warn - 2	0	Low Priority B	0	9
A	Ph. Check - 3	0	Detector Fail	0	OR-4	0	Spec. Funct. 3	0	EV-C	0	DELAY-A	0	Low Priority C	0	A
B	Ph. Check - 4	0	Spec. Funct. 1	0	OR-5	0	Spec. Funct. 4	0	EV-D	0	DELAY-B	0	Low Priority D	0	B
C	Ph. Check - 5	0	Spec. Funct. 2	0	OR-6	0	NAND-3	0	RR-1	0	DELAY-C	0			C
D	Ph. Check - 6	0	Central Control	0	AND-4	0	NAND-4	0	RR-2	0	DELAY-D	0			D
E	Ph. Check - 7	0	Excl. Ped DW	0	NAND-1	0	OR-7	0	Spec. Event 1	0	DELAY-E	0			E
F	Ph. Check - 8	0	Excl. Ped WK	0	NAND-2	0	OR-8	0	Spec. Event 2	0	DELAY-F	0			F

Assignable Outputs <C+0+E=127>

Row	Column Numbers ----> / Phase Names ---->	Phase 1	2	3	4	5	6	7	8
0	Ped Walk	0	7	0	7	0	7	0	7
1	Ped FDW	0	15	0	15	0	15	0	15
2	Min Green	4	7	4	4	4	7	4	4
3	Type 3 Disconnect	0	20	0	20	0	20	0	20
4	Added per Vehicle	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0
5	Veh Extension	2.0	4.0	2.0	2.5	2.0	4.0	2.0	2.5
6	Max Gap	3.0	6.0	3.0	3.0	3.0	6.0	3.0	3.0
7	Min Gap	0.5	2.0	0.5	1.5	0.5	2.0	0.5	1.5
8	Max Limit	20	30	20	25	20	30	20	25
9	Max Limit 2	30	50	30	40	30	50	30	40
A	Adv. / Delay Walk	0	0	0	0	0	0	0	0
B	PE Min Ped FDW	7	7	7	7	7	7	7	7
C	Cond Serv Check	10	10	10	10	10	10	10	10
D	Reduce Every	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	Yellow Change	3.0	4.0	3.0	3.0	3.0	4.0	3.0	3.0
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 2 <C+0+F=2>

	9	A	B	C	D
	---	---	---	---	---
Phase 1	0	0	0	0	0.0
Phase 2	0	0	0	0	0.0
Phase 3	0	0	0	0	0.0
Phase 4	0	0	0	0	0.0
Phase 5	0	0	0	0	0.0
Phase 6	0	0	0	0	0.0
Phase 7	0	0	0	0	0.0
Phase 8	0	0	0	0	0.0

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Transition Type
0.X = Shortway
1.X = Lengthen
X.1 thru X.4 = Number of cycles when lengthing

Transition Type	1.3	<C/5+1+9>

TBC Transition

Lag Hold Phases		<C/5+1+A>

Coordinated Lag Hold Phases

Sync Output Time	0.0	<C/5+1+C>

7-Wire Master

Daylight Savings Date
If set to all zeros, standard dates will be used.

Begin Month	3	<C/5+2+A>
Begin Week	2	<C/5+2+B>
End Month	11	<C/5+2+C>
End Week	1	<C/5+2+D>

Daylight Savings Time

Row		1	2	3	4	5	6	7	8
0	Ped Walk	0	7	0	7	0	7	0	7
1	Ped FDW	0	15	0	15	0	15	0	15
2	Min Green	4	7	4	4	4	7	4	4
3	Type 3 Disconnect	0	20	0	20	0	20	0	20
4	Added per Vehicle	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0
5	Veh Extension	2.0	4.0	2.0	2.5	2.0	4.0	2.0	2.5
6	Max Gap	3.0	6.0	3.0	3.0	3.0	6.0	3.0	3.0
7	Min Gap	0.5	2.0	0.5	1.5	0.5	2.0	0.5	1.5
8	Max Limit	20	30	20	25	20	30	20	25
9	Max Limit 2	30	50	30	40	30	50	30	40
A	Adv. / Delay Walk	0	0	0	0	0	0	0	0
B	PE Min Ped FDW	7	7	7	7	7	7	7	7
C	Cond Serv Check	10	10	10	10	10	10	10	10
D	Reduce Every	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	Yellow Change	3.0	4.0	3.0	3.0	3.0	4.0	3.0	3.0
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 3 <C+0+F=3>

	9	A	B	C	D
	---	---	---	---	---
Phase 1	0	0	0	0	0.0
Phase 2	0	0	0	0	0.0
Phase 3	0	0	0	0	0.0
Phase 4	0	0	0	0	0.0
Phase 5	0	0	0	0	0.0
Phase 6	0	0	0	0	0.0
Phase 7	0	0	0	0	0.0
Phase 8	0	0	0	0	0.0

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Time B4 Yellow	0.0	<F/1+C+E>
Phase Number	0	<F/1+C+F>

Advance Warning Beacon - Sign 1

Time B4 Yellow	0.0	<F/1+D+E>
Phase Number	0	<F/1+D+F>

Advance Warning Beacon - Sign 2

Long Failure	0.7	<F/1+0+6>
Short Failure	0.7	<F/1+0+7>

Power Cycle Correction (Default = 0.7)

Column Numbers ---->	0	1	2	3	1	3
Row	Detector Name	C1 Pin Number	Attributes	Phase(s)	Assign	Delay	Carry-over
0		39	45_7_	2	123	0.0	0.0
1		40	45_7_	6	123	0.0	0.0
2		41	45_7_	4	123	0.0	0.0
3		42	45_7_	8	123	0.0	0.0
4		43	45_7_	2	123	0.0	0.0
5		44	45_7_	6	123	0.0	0.0
6		45	45_7_	6	123	0.0	0.0
7		46	45_7_	8	123	0.0	0.0
8		47	67_	2	123	0.0	0.0
9		48	67_	6	123	0.0	0.0
A		49	67_	4	123	0.0	0.0
B		50	67_	8	123	0.0	0.0
C		55	45_7_	5	123	0.0	0.0
D		56	45_7_	1	123	0.0	0.0
E		57	45_7_	7	123	0.0	0.0
F		58	45_7_	3	123	0.0	0.0

	4	5	6	7	2	4
Row	Detector Name	C1 Pin Number	Attributes	Phase(s)	Assign	Delay	Carry-over
0		59	45_7_	5	123	0.0	0.0
1		60	45_7_	1	123	0.0	0.0
2		61	45_7_	7	123	0.0	0.0
3		62	45_7_	3	123	0.0	0.0
4		63	45_7_	2	123	0.0	0.0
5		64	45_7_	6	123	0.0	0.0
6		65	45_7_	2	123	0.0	0.0
7		66	45_7_	8	123	0.0	0.0
8		67	2	2	123	0.0	0.0
9		68	2	6	123	0.0	0.0
A		69	2	4	123	0.0	0.0
B		70	2	8	123	0.0	0.0
C		76	45_7_	2	123	0.0	0.0
D		77	45_7_	6	123	0.0	0.0
E		78	45_7_	4	123	0.0	0.0
F		79	45_7_	8	123	0.0	0.0

Detector Assignments <C+0+E=126>

<C+0+D=0>

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

Column Numbers ---->	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk	0	0	0	0	0	0	0	0	0
Don't Walk	0	0	0	0	0	0	0	0	1
Phase Green	0	0	0	0	0	0	0	0	2
Phase Yellow	0	0	0	0	0	0	0	0	3
Phase Red	0	0	0	0	0	0	0	0	4
Overlap Green	0	0	0	0	0	0	0	0	5
Overlap Yellow	0	0	0	0	0	0	0	0	6
Overlap Red	0	0	0	0	0	0	0	0	7

Redirect Phase Outputs <C+0+E=127>

Cabinet Type	0	<E/125+D+0>

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)	20	<D/0+0+1>
Max ON (minutes)	7	<D/0+0+2>

Detector Failure Monitor

	D	Row
Output Port 1		0
Output Port 2		1
Output Port 3		2
Output Port 4		3
Output Port 5		4
Output Port 6		5
Output Port 7		6
		7

Dimming <C+0+E=125>

	D
Number of Digits	0
1 st Digit	0
2 ed Digit	0
3 ed Digit	0
4 th Digit	0
5 th Digit	0
6 th Digit	0
7 th Digit	0
8 th Digit	0
9 th Digit	0
10 th Digit	0
11 th Digit	0
12 th Digit	0
13 th Digit	0
14 th Digit	0
15 th Digit	0

<C+0+C=5>

Dial-Back Telephone Number

Disable Alarms
1 = Stop Time
2 = Flash Sense
3 = Keyboard Entry
4 = Manual Plan
5 = Police Control
6 = External Alarm
7 = Detector Failure
8 =

	B	Row
DELAY-A	0	A
DELAY-B	0	B
DELAY-C	0	C
DELAY-D	0	D
DELAY-E	0	E
DELAY-F	0	F

Delay Logic Times
<C+0+D=0> (seconds)

Omit Alarm		<C/5+F+0>

Disable Alarm Reporting

Time	10	<C/5+C+0>

Redial Time (minutes)
(View Redial Timer at E/2+D+6)

TOD Coordination <C+0+9=0.1>
(Bank 1)

Row	Time	Plan	Offset	Day of Week
0	06 : 45	1	A	_23456_
1	09 : 00	E	A	_23456_
2	11 : 00	2	A	_23456_
3	15 : 00	3	A	_23456_
4	20 : 00	E	A	_23456_
5	09 : 00	5	A	____7
6	12 : 00	6	A	____7
7	17 : 00	5	A	1___7
8	19 : 30	E	A	____7
9	10 : 00	5	A	1_____
A	13 : 00	6	A	1_____
B	19 : 00	E	A	1_____
C	00 : 00	0	0	_____
D	00 : 00	0	0	_____
E	00 : 00	0	0	_____
F	00 : 00	0	0	_____

TOD Function <C+0+7=0.1>

Time	Funct.	Day of Week
00 : 00	0	_____
00 : 01	E	1234567
06 : 45	B	_23456_
09 : 00	B	_23456_
11 : 00	B	_23456_
15 : 00	B	_23456_
19 : 00	B	_23456_
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____

<C+0+E=27>

Column 4 Phases/Bits
_____
1_____
_____6
_____
_____6
1____6
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Holiday Dates <C+0+8=1.1>
(Bank 1)

Day	Year	Month	Holiday Type
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____

Holiday Events <C+0+9=1.1>
(Bank 1)

Time	Plan	Offset	Holiday Type
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____

T.O.D. Functions
0 =
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 5 - Disable Low Priority Preempt
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor
F = Output Bits 1 thru 8

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Offset Select
A = Offset A
B = Offset B
C = Offset C

Month Select
1 = January
2 = February
3 = March
4 = April
5 = May
6 = June
7 = July
8 = August
9 = September
A = October
B = November
C = December

TOD Coordination <C+0+9=0.2>
(Bank 2)

Row	Time	Plan	Offset	Day of Week
0	00 : 00	0	0	_____
1	00 : 00	0	0	_____
2	00 : 00	0	0	_____
3	00 : 00	0	0	_____
4	00 : 00	0	0	_____
5	00 : 00	0	0	_____
6	00 : 00	0	0	_____
7	00 : 00	0	0	_____
8	00 : 00	0	0	_____
9	00 : 00	0	0	_____
A	00 : 00	0	0	_____
B	00 : 00	0	0	_____
C	00 : 00	0	0	_____
D	00 : 00	0	0	_____
E	00 : 00	0	0	_____
F	00 : 00	0	0	_____

Holiday TOD Function <C+0+7=0.2>

Time	Funct.	Holiday Type
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____
00 : 00	0	_____

<C+0+E=28>

Column 4 Phases/Bits
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Holiday Dates <C+0+8=1.2>
(Bank 2)

Day	Year	Month	Holiday Type
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____
00	00	0	_____

Holiday Events <C+0+9=1.2>
(Bank 2)

Time	Plan	Offset	Holiday Type
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____
00 : 00	0	0	_____

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 1 <C+0+E=27>

Notes:

0 <E/27+5+F>
Limited Service Interval

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 2 <C+0+E=28>

Notes:

0 <E/28+5+F>
Limited Service Interval

Min Time (seconds) | 0 | <F/1+0+8>

Min Green Before PE Force Off

Max Time (minutes) | 255 | <F/1+0+9>

Max Preempt Time Before Failure

Min Time (seconds) | 0 | <F/1+0+A>

Min Time Between Same Preempts

(Does Not Apply To Railroad Preempt)

Low Pri. Channel | _____ | <E/125+C+8>

Disable Low Priority Channel

Low Priority
1 = Channel A
2 = Channel B
3 = Channel C
4 = Channel D

Delay Time (seconds) | 0 | <F/1+A+D>

Bus Delay

Max Time (seconds) | 0 | <F/1+A+E>

Max Early Green

Max Time (seconds) | 0 | <F/1+A+F>

Max Green Extension

Row	Time	Headway	Direction	Day of Week
0	00 : 00	0	0	_____
1	00 : 00	0	0	_____
2	00 : 00	0	0	_____
3	00 : 00	0	0	_____
4	00 : 00	0	0	_____
5	00 : 00	0	0	_____
6	00 : 00	0	0	_____
7	00 : 00	0	0	_____
8	00 : 00	0	0	_____
9	00 : 00	0	0	_____
A	00 : 00	0	0	_____
B	00 : 00	0	0	_____
C	00 : 00	0	0	_____
D	00 : 00	0	0	_____
E	00 : 00	0	0	_____
F	00 : 00	0	0	_____

Headway <C+0+9=2.1>

Headway Time
(minutes)
1 thru 9 = 1 thru 9
A = 10
B = 11
C = 12
D = 13
E = 14
F = 15

Low Priority Preemption (Bus Priority)

Only available with *Program 233RV2.B* (and above)

Note: Also see "Time of Day Functions", Function E, Bit 5 (Disable Low Priority)

INTERSECTION JUNIPERO SERRA BOULEVARD / WASHINGTON STREET

Group Assignment: **NONE**
Field Master Assignment: **NONE**
System Reference Number: **2**

N/S Street Name: **Junipero Serra Blvd**
E/W Street Name: **Washington St/I-280 NB Ramp**

Last Database Change: **10/15/2009 14:04**

Change Record					
Change	By	Date	Change	By	Date
Update Timing	Iteris	08/09			
Fine-Tuned	Iteris	09/09			

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Notes: Proposed red light camera for South approach
No right turn on red: EB, WB

Drop Number	1	<C/0+0+0>
Zone Number	1	<C/0+0+1>
Area Number	1	<C/0+0+2>
Area Address	2	<C/0+0+3>
QuicNet Channel	COM1:	(QuicNet)

Communication Addresses

Manual Plan		<C/0+A+1>
Manual Offset		<C/0+B+1>

Manual Selection

Flash Start	10	<F/1+0+E)>
Red Revert	2.0	<F/1+0+F>
All Red Start	5.0	<F/1+C+0>

Start / Revert Times

Exclusive Walk	0	<F/1+0+0>
Exclusive FDW	0	<F/1+0+1>
All Red Clear	0.0	<F/1+0+2>

Exclusive Ped Phase
(Outputs specified in Assignable Outputs at E/127+A+E & F)

Row	Column Numbers ---->	Phase 1	2	3	4	5	6	7	8
	Phase Names ---->	SBL	NBT		EB1	NBL	SBT	EB2	WB
0	Ped Walk				5		5		
1	Ped FDW				25		23		
2	Min Green	4	8		6	6	8	6	10
3	Type 3 Disconnect								
4	Added per Vehicle	2.0	2.0		2.0	2.0	2.0	2.0	2.0
5	Veh Extension	1.0	1.0		1.0	1.0	1.0	1.0	1.0
6	Max Gap	2.0	3.5		2.0	2.0	3.5	2.0	2.0
7	Min Gap	1.0	2.0		1.0	1.0	2.0	1.0	1.0
8	Max Limit	30	55		35	30	60	30	25
9	Max Limit 2	40	40		40	40	40	40	40
A	Adv. / Delay Walk								
B	RR Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every	1.0	1.0		1.0	1.0	1.0	1.0	1.0
E	Yellow Change	3.0	3.6		3.0	3.0	3.6	3.0	3.0
F	Red Clear	1.0	1.0		1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 1 <C+0+F=1>
F + phase + interval

	9	A	B	C	D
	---	---	---	---	---
Phase 1	10	0	0	0	0.0
Phase 2	12	0	0	0	0.0
Phase 3	0	0	0	0	0.0
Phase 4	12	0	0	0	0.0
Phase 5	12	0	0	0	0.0
Phase 6	12	0	0	0	0.0
Phase 7	12	0	0	0	0.0
Phase 8	16	0	0	0	0.0
Max Initial					
Alternate Walk					
Alternate FDW					
Alternate Initial					
Alternate Extension					

Alternate Timing <C+0+F=1>

	E
RR-1 Delay	0
RR-1 Clear	0
EV-A Delay	3
EV-A Clear	3
EV-B Delay	3
EV-B Clear	3
EV-C Delay	3
EV-C Clear	3
EV-D Delay	3
EV-D Clear	3
RR-2 Delay	0
RR-2 Clear	0
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing

Row	F
0	Permit: 12_45678
1	Red Lock:
2	Yellow Lock:
3	Min Recall:
4	Ped Recall:
5	*View Set Peds*: -----
6	Rest In Walk:
7	Red Rest:
8	Dual Entry: 4
9	Max Recall:
A	Soft Recall: 2 6
B	Max 2:
C	Cond. Service:
D	Man Cntrl Calls:
E	Yellow Start:
F	First Phases: 2 6

Phase Functions <C+0+F=1>
F + F +interval

Row	Column Numbers ---->	Overlap 1	2	3	4	5	6	7	8
	Overlap Name ---->								
0	Load Switch Number	0	0	0	0	0	0	0	0
1	Veh Set 1 - Phases								
2	Veh Set 2 - Phases								
3	Veh Set 3 - Phases								
4	Neg Veh Phases								
5	Neg Ped Phases								
6	Green Omit Phases								
7	Green Clear Omit Phs.								
8									
9									
A									
B									
C									
D	Green Clear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	Yellow Change	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F	Red Clear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Overlap Assignments <C+0+E=29>

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = Split Ring

Extra 2 Flags
1 = AWB During Initial
2 = LMU Installed
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignore P/P on EV
6 =
7 = Reserved
8 =

Row		C
0	EV-A	0
1	EV-B	0
2	EV-C	0
3	EV-D	0
4	RR-1 *	---
5	RR-2 *	---
6	SE-1	0
7	SE-2	0

Preempt Priority <C+0+E=125>
(* RR-1 is always Highest, and RR-2 is second Highest)

Row	Column Numbers ---->	E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	
B	EV-B Phases	
C	EV-C Phases	
D	EV-D Phases	
E	Extra 1 Config. Bits	1_3_5
F	IC Select (Interconnect)	2

Configuration <C+0+E=125>
E + E + interval

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	2
Ped for 6P Output	6
Ped for 4P Output	4
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	

Configuration <C+0+E=125>
E + F + interval

	F
Fast Green Flash Phase	
Green Flash Phases	
Flashing Walk Phases	
Guaranteed Passage	
Simultaneous Gap Term	12_45678
Sequential Timing	
Advance Walk Phases	
Delay Walk Phases	
External Recall	
Start-up Overlap Green	
Max Extension	
Inhibit Ped Reservice	
Semi-Actuated	
Start-up Overlap Yellow	
Start-up Vehicle Calls	12_45678
Start-up Ped Calls	4_6

Specials <C+0+F=2>
F + F + interval

Flash to PE & PE Non-Lock
1 = EV A 5 = RR 1
2 = EV B 6 = RR 2
3 = EV C 7 = SE 1
4 = EV D 8 = SE 2

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Row		2
0		
1	Phase 1	10
2	Phase 2	10
3	Phase 3	10
4	Phase 4	10
5	Phase 5	10
6	Phase 6	10
7	Phase 7	10
8	Phase 8	10

Coordination Transition Minimums <C+0+C=5>

6/10/2014

INTERSECTION: JUNIPERO SERRA BOULEVARD / WASHINGTON STREET **SHEET 3 OF 8**

Row	Column Numbers --->	Plan 1	2	3	4	5	6	7	8	9
	Plan Name --->									
0	Cycle Length	120	110	110	110	100	120	100	100	100
1	Phase 1 - ForceOff	86	21 69	92	78 71	56	25	53	53	53
2	Phase 2 - ForceOff	16	54 0	17 26	0	0	0	0	0	0
3	Phase 3 - ForceOff	16	0	0	0	0	25	0	0	0
4	Phase 4 - ForceOff	61	0 48	73	56 46	36	69	43	43	43
5	Phase 5 - ForceOff	16	14 69	18 26	71	56	93	58	58	58
6	Phase 6 - ForceOff	0	54 0	0	0	0	25	0	0	0
7	Phase 7 - ForceOff	38	83 25	45 53	35 28	18	47	20	20	20
8	Phase 8 - ForceOff	61	0 48	73	56 46	36	69	43	43	43
9	Ring Offset									
A	Offset 1	100	32	40	106	24	102	52	42	33
B	Offset 2									
C	Offset 3									
D	Perm 1 - End	15	15	15	15	15	15	15	15	15
E	Hold Release	255	255	255	255	255	255	255	255	255
F	Zone Offset									

Coordination - Bank 1 <C+0+C=1>

(Coord Extra Bit 1 = Programmed WALK Time for Sync Phases)

	E	Row
		0
Plan 1 - Sync	6	1
Plan 2 - Sync	2 4 6 8	2
Plan 3 - Sync	2 6	3
Plan 4 - Sync	2 6	4
Plan 5 - Sync	2 6	5
Plan 6 - Sync	6	6
Plan 7 - Sync	2 6	7
Plan 8 - Sync	2 6	8
Plan 9 - Sync	2 6	9
NEMA Sync		A
NEMA Hold		B
		C
		D
Coord Extra		E
		F

Sync Phases <C+0+C=1>

Row										
0	Ped Adjustment	0	0	0	0	0	0	0	0	0
1	Perm 2 - Start	0	0	0	0	0	0	0	0	0
2	Perm 2 - End	0	0	0	0	0	0	0	0	0
3	Perm 3 - Start	0	0	0	0	0	0	0	0	0
4	Perm 3 - End	0	0	0	0	0	0	0	0	0
5	Reservice Time	0	0	0	0	0	0	0	0	0
6	Reservice Phases									
7										
8	Pretimed Phases									
9	Max Recall									
A	Perm 1 Veh Phase	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678
B	Perm 1 Ped Phase	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678
C	Perm 2 Veh Phase									
D	Perm 2 Ped Phase									
E	Perm 3 Veh Phase									
F	Perm 3 Ped Phase									

Coordination - Bank 2 <C+0+C=2>

	F	Row
Free Lag	2 45 8	0
Plan 1 - Lag	2 45 8	1
Plan 2 - Lag	2 4 6 8	2
Plan 3 - Lag	2 45 8	3
Plan 4 - Lag	2 4 6 8	4
Plan 5 - Lag	2 4 6 8	5
Plan 6 - Lag	1 4 6 8	6
Plan 7 - Lag	2 4 6 8	7
Plan 8 - Lag	2 4 6 8	8
Plan 9 - Lag	2 4 6 8	9
External Lag		A
		B
		C
		D
		E
		F

Lag Phases <C+0+C=1>

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Spec. Funct. 1	0	NOT-3	0	Max 2	0	Pretimed	0	Set Monday	0	Dial 2 (7-Wire)	0	Sim Term	0	0
1	Spec. Funct. 2	0	NOT-4	0	System Det 1	0	Plan 1	0	Ext. Perm 1	0	Dial 3 (7-Wire)	0	EV-A	71	1
2	Spec. Funct. 3	0	OR-4 (a)	0	System Det 2	0	Plan 2	0	Ext. Perm 2	0	Offset 1 (7-Wire)	0	EV-B	72	2
3	Spec. Funct. 4	0	OR-4 (b)	0	System Det 3	0	Plan 3	0	Dimming	0	Offset 2 (7-Wire)	0	EV-C	73	3
4	NAND-3 (a)	0	OR-5 (a)	0	System Det 4	0	Plan 4	0	Set Clock	0	Offset 3 (7-Wire)	0	EV-D	74	4
5	NAND-3 (b)	0	OR-5 (b)	0	System Det 5	0	Plan 5	0	Stop Time	82	Free (7-Wire)	0	RR-1	51	5
6	NAND-4 (a)	0	OR-6 (a)	0	System Det 6	0	Plan 6	0	Flash Sense	81	Flash (7-Wire)	0	RR-2	52	6
7	NAND-4 (b)	0	OR-6 (b)	0	System Det 7	0	Plan 7	0	Manual Enable	0	Excl. Ped Omit	0	Spec. Event 1	0	7
8	OR-7 (a)	0	Fig 3 Diamond	0	System Det 8	0	Plan 8	0	Man. Advance	0	NOT-1	0	Spec. Event 2	0	8
9	OR-7 (b)	0	Fig 4 Diamond	0	Max Inhibit (nema)	0	Plan 9	0	External Alarm	0	NOT-2	0	External Lag	0	9
A	OR-7 (c)	0	AND-4 (a)	0	Force A (nema)	0	DELAY-A	0	Phase Bank 2	0	OR-1 (a)	0	AND-1 (a)	0	A
B	OR-7 (d)	0	AND-4 (b)	0	Force B (nema)	0	DELAY-B	0	Phase Bank 3	0	OR-1 (b)	0	AND-1 (b)	0	B
C	OR-8 (a)	0	NAND-1 (a)	0	C.N.A. (nema)	0	DELAY-C	0	Overlap Set 2	0	OR-2 (a)	0	AND-2 (a)	0	C
D	OR-8 (b)	0	NAND-1 (b)	0	Hold (nema)	0	DELAY-D	0	Overlap Set 3	0	OR-2 (b)	0	AND-2 (b)	0	D
E	OR-8 (c)	0	NAND-2 (a)	0	Max Recall	0	DELAY-E	0	Detector Set 2	0	OR-3 (a)	0	AND-3 (a)	0	E
F	OR-8 (d)	0	NAND-2 (b)	0	Min Recall	0	DELAY-F	0	Detector Set 3	0	OR-3 (b)	0	AND-3 (b)	0	F

Assignable Inputs <C=0+E=126>

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Phase ON - 1	0	Preempt Fail	0	Flasher 0	0	Free	0	NOT-1	0	TOD Out 1	0	Dial 2 (7-Wire)	0	0
1	Phase ON - 2	0	Sp Evnt Out 1	0	Flasher 1	0	Plan 1	0	OR-1	0	TOD Out 2	0	Dial 3 (7-Wire)	0	1
2	Phase ON - 3	0	Sp Evnt Out 2	0	Fast Flasher	0	Plan 2	0	OR-2	0	TOD Out 3	0	Offset 1 (7-Wire)	0	2
3	Phase ON - 4	0	Sp Evnt Out 3	0	Fig 3 Diamond	0	Plan 3	0	OR-3	0	TOD Out 4	0	Offset 2 (7-Wire)	0	3
4	Phase ON - 5	0	Sp Evnt Out 4	0	Fig 4 Diamond	0	Plan 4	0	AND-1	0	TOD Out 5	0	Offset 3 (7-Wire)	0	4
5	Phase ON - 6	0	Sp Evnt Out 5	0			Plan 5	0	AND-2	0	TOD Out 6	0	Free (7-Wire)	0	5
6	Phase ON - 7	0	Sp Evnt Out 6	0			Plan 6	0	AND-3	0	TOD Out 7	0	Flash (7-Wire)	0	6
7	Phase ON - 8	0	Sp Evnt Out 7	0			Plan 7	0	NOT-2	0	TOD Out 8	0	Preempt	0	7
8	Ph. Check - 1	0	Sp Evnt Out 8	0	NOT-3	0	Plan 8	0	EV-A	0	Adv. Warn - 1	0	Low Priority A	0	8
9	Ph. Check - 2	0			NOT-4	0	Plan 9	0	EV-B	0	Adv. Warn - 2	0	Low Priority B	0	9
A	Ph. Check - 3	0	Detector Fail	0	OR-4	0	Spec. Funct. 3	0	EV-C	0	DELAY-A	0	Low Priority C	0	A
B	Ph. Check - 4	0	Spec. Funct. 1	0	OR-5	0	Spec. Funct. 4	0	EV-D	0	DELAY-B	0	Low Priority D	0	B
C	Ph. Check - 5	0	Spec. Funct. 2	0	OR-6	0	NAND-3	0	RR-1	0	DELAY-C	0			C
D	Ph. Check - 6	0	Central Control	0	AND-4	0	NAND-4	0	RR-2	0	DELAY-D	0			D
E	Ph. Check - 7	0	Excl. Ped DW	0	NAND-1	0	OR-7	0	Spec. Event 1	0	DELAY-E	0			E
F	Ph. Check - 8	0	Excl. Ped WK	0	NAND-2	0	OR-8	0	Spec. Event 2	0	DELAY-F	0			F

Assignable Outputs <C=0+E=127>

Row	Phase Names --->	Phase 1	2	3	4	5	6	7	8
0	Ped Walk	0	7	0	7	0	7	0	7
1	Ped FDW	0	15	0	15	0	15	0	15
2	Min Green	4	7	4	4	4	7	4	4
3	Type 3 Disconnect	0	20	0	20	0	20	0	20
4	Added per Vehicle	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0
5	Veh Extension	2.0	4.0	2.0	2.5	2.0	4.0	2.0	2.5
6	Max Gap	3.0	6.0	3.0	3.0	3.0	6.0	3.0	3.0
7	Min Gap	0.5	2.0	0.5	1.5	0.5	2.0	0.5	1.5
8	Max Limit	20	30	20	25	20	30	20	25
9	Max Limit 2	30	50	30	40	30	50	30	40
A	Adv. / Delay Walk	0	0	0	0	0	0	0	0
B	RR Min Ped FDW	7	7	7	7	7	7	7	7
C	Cond Serv Check	10	10	10	10	10	10	10	10
D	Reduce Every	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	Yellow Change	3.0	4.0	3.0	3.0	3.0	4.0	3.0	3.0
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 2 <C=0+F=2>

	9	A	B	C	D
	---	---	---	---	---
Phase 1	0	0	0	0	0.0
Phase 2	20	0	0	0	0.0
Phase 3	0	0	0	0	0.0
Phase 4	20	0	0	0	0.0
Phase 5	0	0	0	0	0.0
Phase 6	20	0	0	0	0.0
Phase 7	0	0	0	0	0.0
Phase 8	20	0	0	0	0.0

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Row		1	2	3	4	5	6	7	8
0	Ped Walk	0	7	0	7	0	7	0	7
1	Ped FDW	0	15	0	15	0	15	0	15
2	Min Green	4	7	4	4	4	7	4	4
3	Type 3 Disconnect	0	20	0	20	0	20	0	20
4	Added per Vehicle	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0
5	Veh Extension	2.0	4.0	2.0	2.5	2.0	4.0	2.0	2.5
6	Max Gap	3.0	6.0	3.0	3.0	3.0	6.0	3.0	3.0
7	Min Gap	0.5	2.0	0.5	1.5	0.5	2.0	0.5	1.5
8	Max Limit	20	30	20	25	20	30	20	25
9	Max Limit 2	30	50	30	40	30	50	30	40
A	Adv. / Delay Walk	0	0	0	0	0	0	0	0
B	RR Min Ped FDW	7	7	7	7	7	7	7	7
C	Cond Serv Check	10	10	10	10	10	10	10	10
D	Reduce Every	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	Yellow Change	3.0	4.0	3.0	3.0	3.0	4.0	3.0	3.0
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 3 <C=0+F=3>

	9	A	B	C	D
	---	---	---	---	---
Phase 1	0	0	0	0	0.0
Phase 2	20	0	0	0	0.0
Phase 3	0	0	0	0	0.0
Phase 4	20	0	0	0	0.0
Phase 5	0	0	0	0	0.0
Phase 6	20	0	0	0	0.0
Phase 7	0	0	0	0	0.0
Phase 8	20	0	0	0	0.0

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Transition Type
0.X = Shortway
1.X = Lengthen
X.1 thru X.4 = Number of cycles when lengthing

Transition Type	0.3	<C/5+1+9>

TBC Transition

Lag Hold Phases		<C/5+1+A>

Coordinated Lag Hold Phases

Sync Output Time	0.0	<C/5+1+C>

7-Wire Master

Begin Month	4	<C/5+2+A>
Begin Week	1	<C/5+2+B>
End Month	10	<C/5+2+C>
End Week	5	<C/5+2+D>

Daylight Savings Time

Time Before Yellow	0.0	<F/1+C+E>
Phase Number	0	<F/1+C+F>

Advance Warning Beacon - Sign 1

Time Before Yellow	0.0	<F/1+D+E>
Phase Number	0	<F/1+D+F>

Advance Warning Beacon - Sign 2

Long Failure	0.7	<F/1+0+6>
Short Failure	0.7	<F/1+0+7>

Power Cycle Correction (Default = 0.5)

Min Time (seconds)	0	<F/1+0+8>

Min Green Before PE Force Off

Max Time (minutes)	255	<F/1+0+9>

Max Preempt Time Before Failure

Min Time (seconds)	0	<F/1+0+A>

Min Time Between Same Preempts
(Does Not Apply To Railroad Preempt)

Low Priority
1 = Channel A
2 = Channel B
3 = Channel C
4 = Channel D

Low Pri. Channel		<E/125+C+8>

Disable Low Priority Channel

Column Numbers ---->

Row	Detector Name	Input Slot	Det #	0 C1 Pin Number	1 Attributes	2 Phase(s)	3 Assign	1 Delay in sec.	3 Carry-over
0		2I2U	1	39	45_7_	2	123 8	0.0	0.0
1		6J2U	2	40	45_7_	6	123 8	0.0	0.0
2		4I6U	3	41	45_7_	4	123 8	0.0	0.0
3		8J6U	4	42	45_7_	8	123 8	0.0	0.0
4		2I2L	5	43	45_7_	2	123 8	0.0	0.0
5		6J2L	6	44	45_7_	6	123 8	0.0	0.0
6		4I6L	7	45	45_7_	4	123 8	0.0	0.0
7		8J6L	8	46	45_7_	8	123 8	0.0	0.0
8		2I4	9	47	67_	2	123 8	0.0	0.0
9		6J4	10	48	67_	6	123 8	0.0	0.0
A		4I8	11	49	67_	4	123 8	0.0	0.0
B		8J8	12	50	67_	8	123 8	0.0	0.0
C		5J1	13	55	45_7_	5	123 8	0.0	0.0
D		1I1	14	56	45_7_	1	123 8	0.0	0.0
E		7J5	15	57	45_7_	7	123 8	0.0	0.0
F		3I5	16	58	45_7_	3	123 8	0.0	0.0

Row	Detector Name	Input Slot	Det #	4 C1 Pin Number	5 Attributes	6 Phase(s)	7 Assign	2 Delay in sec.	4 Carry-over
0		5J9U	17	59	45_7_	5	123 8	0.0	0.0
1		1I9U	18	60	45_7_	1	123 8	0.0	0.0
2		7J9L	19	61	45_7_	7	123 8	0.0	0.0
3		3I9L	20	62	45_7_	3	123 8	0.0	0.0
4		2I3U	21	63	45_7_	2	123 8	0.0	0.0
5		6J3U	22	64	45_7_	6	123 8	0.0	0.0
6		4I7U	23	65	45_7_	4	123 8	0.0	0.0
7		8J7U	24	66	45_7_	8	123 8	0.0	0.0
8			25	67	2	2	123 8	0.0	0.0
9			26	68	2	6	123 8	0.0	0.0
A			27	69	2	4	123 8	0.0	0.0
B			28	70	2	8	123 8	0.0	0.0
C		2I3L	29	76	45_7_	2	123 8	0.0	0.0
D		6J3L	30	77	45_7_	6	123 8	0.0	0.0
E		4I7L	31	78	45_7_	4	123 8	0.0	0.0
F		8J7L	32	79	45_7_	8	123 8	0.0	0.0

Detector Assignments <C+0+E=126> <C+0+D=0>

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

	D
Number of Digits	0
1 st Digit	0
2 ed Digit	0
3 ed Digit	0
4 th Digit	0
5 th Digit	0
6 th Digit	0
7 th Digit	0
8 th Digit	0
9 th Digit	0
10 th Digit	0
11 th Digit	0
12 th Digit	0
13 th Digit	0
14 th Digit	0
15 th Digit	0

Dial-Back Telephone Number <C+0+C=5>

Column Numbers ---->

	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk	0	0	0	0	0	0	0	0	0
Don't Walk	0	0	0	0	0	0	0	0	1
Phase Green	0	0	0	0	0	0	0	0	2
Phase Yellow	0	0	0	0	0	0	0	0	3
Phase Red	0	0	0	0	0	0	0	0	4
Overlap Green	0	0	0	0	0	0	0	0	5
Overlap Yellow	0	0	0	0	0	0	0	0	6
Overlap Red	0	0	0	0	0	0	0	0	7

Redirect Phase Outputs <C+0+E=127>

Cabinet Type	0 <E/125+D+0>

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)	20 <D/0+0+1>
Max ON (minutes)	7 <D/0+0+2>

Detector Failure Monitor

	D	Row
Output Port 1		0
Output Port 2		1
Output Port 3		2
Output Port 4		3
Output Port 5		4
Output Port 6		5
Output Port 7		6
		7

Dimming <C+0+E=125>

Disable Alarms
1 = Stop Time
2 = Flash Sense
3 = Keyboard Entry
4 = Manual Plan
5 = Police Control
6 = External Alarm
7 = Detector Failure
8 =

	B	Row
DELAY-A	0	A
DELAY-B	0	B
DELAY-C	0	C
DELAY-D	0	D
DELAY-E	0	E
DELAY-F	0	F

Delay Logic Times
<C+0+D=0> (seconds)

Omit Alarm	<C/5+F+0>

Disable Alarm Reporting

Time	10 <C/5+C+0>

Redial Time (minutes)

Row	Time	Plan	Offset	Day of Week
0	07 : 00	2	A	_23456_
1	11 : 00	3	A	_23456_
2	15 : 30	4	A	_23456_
3	18 : 30	E	A	_23456_
4	00 : 01	E	A	1____7
5	00 : 00	0	0	
6	00 : 00	0	0	
7	00 : 00	0	0	
8	00 : 00	0	0	
9	00 : 00	0	0	
A	00 : 00	0	0	
B	00 : 00	0	0	
C	00 : 00	0	0	
D	00 : 00	0	0	
E	00 : 00	0	0	
F	00 : 00	0	0	

TOD Coordination <C+0+9=0.1>
(Bank 1)

Time	Funct	Day of Week	Column 4 Phases/Bits
11 : 00	3	_23456_	____5____
15 : 30	3	_23456_	
07 : 00	B	_23456_	____4__78
18 : 30	B	_23456_	
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		

TOD Function <C+0+7=1> <C+0+E=27>

Day	Year	Month	Holiday Type
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	

Holiday Dates <C+0+8=1.1>
(Bank 1)

Time	Plan	Offset	Holiday Type
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	

Holiday Events <C+0+9=1.1>
(Bank 1)

T.O.D. Functions
0 =
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Offset Select
A = Offset A
B = Offset B
C = Offset C

Month Select
1 = January
2 = February
3 = March
4 = April
5 = May
6 = June
7 = July
8 = August
9 = September
A = October
B = November
C = December

Row	Time	Plan	Offset	Day of Week
0	00 : 00	0	0	
1	00 : 00	0	0	
2	00 : 00	0	0	
3	00 : 00	0	0	
4	00 : 00	0	0	
5	00 : 00	0	0	
6	00 : 00	0	0	
7	00 : 00	0	0	
8	00 : 00	0	0	
9	00 : 00	0	0	
A	00 : 00	0	0	
B	00 : 00	0	0	
C	00 : 00	0	0	
D	00 : 00	0	0	
E	00 : 00	0	0	
F	00 : 00	0	0	

TOD Coordination <C+0+9=0.2>
(Bank 2)

Time	Funct	Day of Week	Column 4 Phases/Bits
: 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		

Holiday TOD Function <C+0+7=2> <C+0+E=28>

Day	Year	Month	Holiday Type
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	

Holiday Dates <C+0+8=1.2>
(Bank 2)

Time	Plan	Offset	Holiday Type
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	

Holiday Events <C+0+9=1.2>
(Bank 2)

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 1 <C+0+E=27>

Notes:

0 <E/27+5+F>
Limited Service Interval

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 2 <C+0+E=28>

Notes:

0 <E/28+5+F>
Limited Service Interval

INTERSECTION **JUNIPERO SERRA BOULEVARD / SAN PEDRO ROAD** **SHEET 1 OF 8**

Group Assignment: **NONE**
Field Master Assignment: **NONE**
System Reference Number: **3**

N/S Street Name: **Junipero Serra Blvd**
E/W Street Name: **San Pedro Rd**

Last Database Change: **10/15/2009 13:52**

Change Record					
Change	By	Date	Change	By	Date
Update Timing	Iteris	08/09			
Fine-Tuned	Iteris	09/09			

Notes: Red light camera for East approach
Master location

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash

Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

Drop Number	3	<C/0+0+0>
Zone Number	1	<C/0+0+1>
Area Number	1	<C/0+0+2>
Area Address	3	<C/0+0+3>
QuicNet Channel	COM1:	(QuicNet)

Communication Addresses

Manual Plan		<C/0+A+1>
Manual Offset		<C/0+B+1>

Manual Selection

Flash Start	10	<F/1+0+E)>
Red Revert	2.0	<F/1+0+F>
All Red Start	5.0	<F/1+C+0>

Start / Revert Times

Exclusive Walk	0	<F/1+0+0>
Exclusive FDW	0	<F/1+0+1>
All Red Clear	0.0	<F/1+0+2>

Exclusive Ped Phase
(Outputs specified in Assignable Outputs at E/127+A+E & F)

Row	Column Numbers ---->	Phase 1	2	3	4	5	6	7	8
	Phase Names ---->	SBL	NBT	WBL	EBT	NBL	SBT	EBL	WBT
0	Ped Walk		7		6				
1	Ped FDW		19		25				
2	Min Green	3	8	3	6	3	8	4	6
3	Type 3 Disconnect								
4	Added per Vehicle	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5	Veh Extension	1.0	3.0	5.0	2.0	3.0	3.0	3.0	2.0
6	Max Gap	2.0	3.0	5.0	2.0	3.0	3.0	2.0	3.0
7	Min Gap	1.0	2.0	3.0	1.0	2.0	2.0	1.0	2.0
8	Max Limit	20	30	40	30	30	20 30	30	20
9	Max Limit 2	40	40	40	40	40	40	40	40
A	Adv. / Delay Walk								
B	RR Min Ped FDW								
C	Cond Serv Check								
D	Reduce Every								
E	Yellow Change	3.2	3.6	3.2	3.2	3.2	3.6	3.2	3.2
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 1 <C+0+F=1>
F + phase + interval

	9	A	B	C	D
	---	---	---	---	---
Phase 1	9	0	0	0	0.0
Phase 2	12	0	0	0	0.0
Phase 3	9	0	0	0	0.0
Phase 4	12	0	0	0	0.0
Phase 5	9	0	0	0	0.0
Phase 6	12	0	0	0	0.0
Phase 7	10	0	0	0	0.0
Phase 8	10	0	0	0	0.0

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing <C+0+F=1>

	E
RR-1 Delay	0
RR-1 Clear	0
EV-A Delay	0.0
EV-A Clear	0.0
EV-B Delay	0.0
EV-B Clear	0.0
EV-C Delay	0.0
EV-C Clear	0.0
EV-D Delay	0.0
EV-D Clear	0.0
RR-2 Delay	0.0
RR-2 Clear	0.0
View EV Delay	---
View EV Clear	---
View RR Delay	---
View RR Clear	---

Preempt Timing

Row		F
0	Permit	12345678
1	Red Lock	
2	Yellow Lock	
3	Min Recall	
4	Ped Recall	
5	*View Set Peds*	-----
6	Rest In Walk	
7	Red Rest	
8	Dual Entry	
9	Max Recall	
A	Soft Recall	2 6
B	Max 2	
C	Cond. Service	
D	Man Cntrl Calls	
E	Yellow Start	
F	First Phases	2 6

Phase Functions <C+0+F=1>
F + F +interval

INTERSECTION: JUNIPERO SERRA BOULEVARD / SAN PEDRO ROAD **SHEET** 2 **OF** 8

Row	Column Numbers ---->	Overlap 1	2	3	4	5	6	7	8
	Overlap Name ---->								
0	Load Switch Number	0	0	0	0	0	0	0	0
1	Veh Set 1 - Phases								
2	Veh Set 2 - Phases								
3	Veh Set 3 - Phases								
4	Neg Veh Phases								
5	Neg Ped Phases								
6	Green Omit Phases								
7	Green Clear Omit Phs.								
8									
9									
A									
B									
C									
D	Green Clear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	Yellow Change	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F	Red Clear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Overlap Assignments <C+0+E=29>

Extra 1 Flags
1 = TBC Type 1
2 = NEMA Ext. Coord
3 = Auto Daylight Savings
4 = EV Advance
5 = Extended Status
6 = International Ped
7 = Flash - Clear Outputs
8 = Split Ring

Extra 2 Flags
1 = AWB During Initial
2 = LMU Installed
3 = Disable Min Walk
4 = QuicNet/4 System
5 = Ignore P/P on EV
6 =
7 = Reserved
8 =

Row		C
0	EV-A	0
1	EV-B	0
2	EV-C	0
3	EV-D	0
4	RR-1 *	---
5	RR-2 *	---
6	SE-1	0
7	SE-2	0
8		
9		
A		
B		
C		
D		
E		
F		

Preempt Priority <C+0+E=125>
(* RR-1 is always Highest, and RR-2 is second Highest)

Row	Column Numbers ---->	E
0	Exclusive Phases	
1	RR-1 Clear Phases	
2	RR-2 Clear Phases	
3	RR-2 Limited Service	
4	Prot / Perm Phases	
5	Flash to PE Circuits	
6	Flash Entry Phases	
7	Disable Yellow Range	
8	Disable Ovp Yel Range	
9	Overlap Yellow Flash	
A	EV-A Phases	
B	EV-B Phases	
C	EV-C Phases	
D	EV-D Phases	
E	Extra 1 Config. Bits	1_3_5
F	IC Select (Interconnect)	2

Configuration <C+0+E=125>
E + E + interval

	F
Ext. Permit 1 Phases	
Ext. Permit 2 Phases	
Exclusive Ped Assign	
Preempt Non-Lock	12345678
Ped for 2P Output	2
Ped for 6P Output	6
Ped for 4P Output	4
Ped for 8P Output	8
Yellow Flash Phases	
Low Priority A Phases	
Low Priority B Phases	
Low Priority C Phases	
Low Priority D Phases	
Restricted Phases	
Extra 2 Config. Bits	

Configuration <C+0+E=125>
E + F + interval

	F
Fast Green Flash Phase	
Green Flash Phases	
Flashing Walk Phases	
Guaranteed Passage	
Simultaneous Gap Term	12345678
Sequential Timing	
Advance Walk Phases	
Delay Walk Phases	
External Recall	
Start-up Overlap Green	
Max Extension	
Inhibit Ped Reservice	
Semi-Actuated	
Start-up Overlap Yellow	
Start-up Vehicle Calls	12345678
Start-up Ped Calls	_2_4_

Specials <C+0+F=2>
F + F + interval

Flash to PE & PE Non-Lock
1 = EV A 5 = RR 1
2 = EV B 6 = RR 2
3 = EV C 7 = SE 1
4 = EV D 8 = SE 2

IC Select Flags
1 =
2 = Modem
3 = 7-Wire Slave
4 = Flash / Free
5 =
6 = Simplex Master
7 = 7-Wire Master
8 = Offset Interrupter

Row		2
0		
1	Phase 1	10
2	Phase 2	10
3	Phase 3	10
4	Phase 4	10
5	Phase 5	10
6	Phase 6	10
7	Phase 7	10
8	Phase 8	10
9		
A		
B		
C		
D		
E		
F		

Coordination Transition Minimums <C+0+C=5>

Row	Column Numbers ---->	Plan 1	2	3	4	5	6	7	8	9
	Plan Name ---->									
0	Cycle Length	120	110	110		100	120	100	100	100
1	Phase 1 - ForceOff	17	14	14		67	104	67	68	68
2	Phase 2 - ForceOff	0	0	0		0	25	0	0	0
3	Phase 3 - ForceOff	40	47	44		25	59	22	23	28
4	Phase 4 - ForceOff	90	80 33	80 36		55	88	52	53	55
5	Phase 5 - ForceOff	114	101 21	95 101 21		74	25	77	74	74
6	Phase 6 - ForceOff	17	13	13		0	0	0	0	0
7	Phase 7 - ForceOff	40	80	34		18	50	27	25	25
8	Phase 8 - ForceOff	90	52	80		55	88	52	53	55
9	Ring Offset									
A	Offset 1	68	76	47		30	16	19	22	22
B	Offset 2									
C	Offset 3									
D	Perm 1 - End	15	15	15		15	15	15	15	15
E	Hold Release	255	255	255		255	255	255	255	255
F	Zone Offset									

Coordination - Bank 1 <C+0+C=1>

(Coord Extra Bit 1 = Programmed WALK Time for Sync Phases)

	E	Row
		0
Plan 1 - Sync	2	1
Plan 2 - Sync	2 6	2
Plan 3 - Sync	2 6	3
Plan 4 - Sync	2 6	4
Plan 5 - Sync	2 6	5
Plan 6 - Sync	6	6
Plan 7 - Sync	2 6	7
Plan 8 - Sync	2 6	8
Plan 9 - Sync	2 6	9
NEMA Sync		A
NEMA Hold		B
		C
		D
Coord Extra		E
		F

Sync Phases <C+0+C=1>

Row		1	2	3	4	5	6	7	8	9
0	Ped Adjustment	0	0	0	0	0	0	0	0	0
1	Perm 2 - Start	0	0	0	0	0	0	0	0	0
2	Perm 2 - End	0	0	0	0	0	0	0	0	0
3	Perm 3 - Start	0	0	0	0	0	0	0	0	0
4	Perm 3 - End	0	0	0	0	0	0	0	0	0
5	Reservice Time	0	0	0	0	0	0	0	0	0
6	Reservice Phases									
7										
8	Pretimed Phases									
9	Max Recall									
A	Perm 1 Veh Phase	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678
B	Perm 1 Ped Phase	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678	12345678
C	Perm 2 Veh Phase									
D	Perm 2 Ped Phase									
E	Perm 3 Veh Phase									
F	Perm 3 Ped Phase									

Coordination - Bank 2 <C+0+C=2>

	F	Row
Free Lag	2 4 6 8	0
Plan 1 - Lag	1 4 6 8	1
Plan 2 - Lag	1 4 67	2
Plan 3 - Lag	1 4 6 8	3
Plan 4 - Lag	2 4 6 8	4
Plan 5 - Lag	2 4 6 8	5
Plan 6 - Lag	23 5 8	6
Plan 7 - Lag	2 4 6 8	7
Plan 8 - Lag	2 4 6 8	8
Plan 9 - Lag	2 4 6 8	9
External Lag		A
		B
		C
		D
		E
		F

Lag Phases <C+0+C=1>

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Spec. Funct. 1	0	NOT-3	0	Max 2	0	Pretimed	0	Set Monday	0	Dial 2 (7-Wire)	0	Sim Term	0	0
1	Spec. Funct. 2	0	NOT-4	0	System Det 1	0	Plan 1	0	Ext. Perm 1	0	Dial 3 (7-Wire)	0	EV-A	71	1
2	Spec. Funct. 3	0	OR-4 (a)	0	System Det 2	0	Plan 2	0	Ext. Perm 2	0	Offset 1 (7-Wire)	0	EV-B	72	2
3	Spec. Funct. 4	0	OR-4 (b)	0	System Det 3	0	Plan 3	0	Dimming	0	Offset 2 (7-Wire)	0	EV-C	73	3
4	NAND-3 (a)	0	OR-5 (a)	0	System Det 4	0	Plan 4	0	Set Clock	0	Offset 3 (7-Wire)	0	EV-D	74	4
5	NAND-3 (b)	0	OR-5 (b)	0	System Det 5	0	Plan 5	0	Stop Time	82	Free (7-Wire)	0	RR-1	51	5
6	NAND-4 (a)	0	OR-6 (a)	0	System Det 6	0	Plan 6	0	Flash Sense	81	Flash (7-Wire)	0	RR-2	52	6
7	NAND-4 (b)	0	OR-6 (b)	0	System Det 7	0	Plan 7	0	Manual Enable	0	Excl. Ped Omit	0	Spec. Event 1	0	7
8	OR-7 (a)	0	Fig 3 Diamond	0	System Det 8	0	Plan 8	0	Man. Advance	0	NOT-1	0	Spec. Event 2	0	8
9	OR-7 (b)	0	Fig 4 Diamond	0	Max Inhibit (nema)	0	Plan 9	0	External Alarm	0	NOT-2	0	External Lag	0	9
A	OR-7 (c)	0	AND-4 (a)	0	Force A (nema)	0	DELAY-A	0	Phase Bank 2	0	OR-1 (a)	0	AND-1 (a)	0	A
B	OR-7 (d)	0	AND-4 (b)	0	Force B (nema)	0	DELAY-B	0	Phase Bank 3	0	OR-1 (b)	0	AND-1 (b)	0	B
C	OR-8 (a)	0	NAND-1 (a)	0	C.N.A. (nema)	0	DELAY-C	0	Overlap Set 2	0	OR-2 (a)	0	AND-2 (a)	0	C
D	OR-8 (b)	0	NAND-1 (b)	0	Hold (nema)	0	DELAY-D	0	Overlap Set 3	0	OR-2 (b)	0	AND-2 (b)	0	D
E	OR-8 (c)	0	NAND-2 (a)	0	Max Recall	0	DELAY-E	0	Detector Set 2	0	OR-3 (a)	0	AND-3 (a)	0	E
F	OR-8 (d)	0	NAND-2 (b)	0	Min Recall	0	DELAY-F	0	Detector Set 3	0	OR-3 (b)	0	AND-3 (b)	0	F

Assignable Inputs <C=0+E=126>

Row	Column 9		Column A		Column B		Column C		Column D		Column E		Column F		Row
0	Phase ON - 1	0	Preempt Fail	0	Flasher 0	0	Free	0	NOT-1	0	TOD Out 1	0	Dial 2 (7-Wire)	0	0
1	Phase ON - 2	0	Sp Evnt Out 1	0	Flasher 1	0	Plan 1	0	OR-1	0	TOD Out 2	0	Dial 3 (7-Wire)	0	1
2	Phase ON - 3	0	Sp Evnt Out 2	0	Fast Flasher	0	Plan 2	0	OR-2	0	TOD Out 3	0	Offset 1 (7-Wire)	0	2
3	Phase ON - 4	0	Sp Evnt Out 3	0	Fig 3 Diamond	0	Plan 3	0	OR-3	0	TOD Out 4	0	Offset 2 (7-Wire)	0	3
4	Phase ON - 5	0	Sp Evnt Out 4	0	Fig 4 Diamond	0	Plan 4	0	AND-1	0	TOD Out 5	0	Offset 3 (7-Wire)	0	4
5	Phase ON - 6	0	Sp Evnt Out 5	0			Plan 5	0	AND-2	0	TOD Out 6	0	Free (7-Wire)	0	5
6	Phase ON - 7	0	Sp Evnt Out 6	0			Plan 6	0	AND-3	0	TOD Out 7	0	Flash (7-Wire)	0	6
7	Phase ON - 8	0	Sp Evnt Out 7	0			Plan 7	0	NOT-2	0	TOD Out 8	0	Preempt	0	7
8	Ph. Check - 1	0	Sp Evnt Out 8	0	NOT-3	0	Plan 8	0	EV-A	0	Adv. Warn - 1	0	Low Priority A	0	8
9	Ph. Check - 2	0			NOT-4	0	Plan 9	0	EV-B	0	Adv. Warn - 2	0	Low Priority B	0	9
A	Ph. Check - 3	0	Detector Fail	0	OR-4	0	Spec. Funct. 3	0	EV-C	0	DELAY-A	0	Low Priority C	0	A
B	Ph. Check - 4	0	Spec. Funct. 1	0	OR-5	0	Spec. Funct. 4	0	EV-D	0	DELAY-B	0	Low Priority D	0	B
C	Ph. Check - 5	0	Spec. Funct. 2	0	OR-6	0	NAND-3	0	RR-1	0	DELAY-C	0			C
D	Ph. Check - 6	0	Central Control	0	AND-4	0	NAND-4	0	RR-2	0	DELAY-D	0			D
E	Ph. Check - 7	0	Excl. Ped DW	0	NAND-1	0	OR-7	0	Spec. Event 1	0	DELAY-E	0			E
F	Ph. Check - 8	0	Excl. Ped WK	0	NAND-2	0	OR-8	0	Spec. Event 2	0	DELAY-F	0			F

Assignable Outputs <C=0+E=127>

Row	Column Numbers ---> / Phase Names --->	Phase 1	2	3	4	5	6	7	8
0	Ped Walk	0	7	0	7	0	7	0	7
1	Ped FDW	0	15	0	15	0	15	0	15
2	Min Green	4	7	4	4	4	7	4	4
3	Type 3 Disconnect	0	20	0	20	0	20	0	20
4	Added per Vehicle	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0
5	Veh Extension	2.0	4.0	2.0	2.5	2.0	4.0	2.0	2.5
6	Max Gap	3.0	6.0	3.0	3.0	3.0	6.0	3.0	3.0
7	Min Gap	0.5	2.0	0.5	1.5	0.5	2.0	0.5	1.5
8	Max Limit	20	30	20	25	20	30	20	25
9	Max Limit 2	30	50	30	40	30	50	30	40
A	Adv. / Delay Walk	0	0	0	0	0	0	0	0
B	RR Min Ped FDW	7	7	7	7	7	7	7	7
C	Cond Serv Check	10	10	10	10	10	10	10	10
D	Reduce Every	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	Yellow Change	3.0	4.0	3.0	3.0	3.0	4.0	3.0	3.0
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 2 <C=0+F=2>

	9	A	B	C	D
	---	---	---	---	---
Phase 1	0	0	0	0	0.0
Phase 2	20	0	0	0	0.0
Phase 3	0	0	0	0	0.0
Phase 4	20	0	0	0	0.0
Phase 5	0	0	0	0	0.0
Phase 6	20	0	0	0	0.0
Phase 7	0	0	0	0	0.0
Phase 8	20	0	0	0	0.0

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Row	Phase Names --->	1	2	3	4	5	6	7	8
0	Ped Walk	0	7	0	7	0	7	0	7
1	Ped FDW	0	15	0	15	0	15	0	15
2	Min Green	4	7	4	4	4	7	4	4
3	Type 3 Disconnect	0	20	0	20	0	20	0	20
4	Added per Vehicle	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0
5	Veh Extension	2.0	4.0	2.0	2.5	2.0	4.0	2.0	2.5
6	Max Gap	3.0	6.0	3.0	3.0	3.0	6.0	3.0	3.0
7	Min Gap	0.5	2.0	0.5	1.5	0.5	2.0	0.5	1.5
8	Max Limit	20	30	20	25	20	30	20	25
9	Max Limit 2	30	50	30	40	30	50	30	40
A	Adv. / Delay Walk	0	0	0	0	0	0	0	0
B	RR Min Ped FDW	7	7	7	7	7	7	7	7
C	Cond Serv Check	10	10	10	10	10	10	10	10
D	Reduce Every	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E	Yellow Change	3.0	4.0	3.0	3.0	3.0	4.0	3.0	3.0
F	Red Clear	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Phase Timing - Bank 3 <C=0+F=3>

	9	A	B	C	D
	---	---	---	---	---
Phase 1	0	0	0	0	0.0
Phase 2	20	0	0	0	0.0
Phase 3	0	0	0	0	0.0
Phase 4	20	0	0	0	0.0
Phase 5	0	0	0	0	0.0
Phase 6	20	0	0	0	0.0
Phase 7	0	0	0	0	0.0
Phase 8	20	0	0	0	0.0

Max Initial
Alternate Walk
Alternate FDW
Alternate Initial
Alternate Extension

Alternate Timing

Transition Type
0.X = Shortway
1.X = Lengthen
X.1 thru X.4 = Number of cycles when lengthing

Transition Type	0.3	<C/5+1+9>

TBC Transition

Lag Hold Phases		<C/5+1+A>

Coordinated Lag Hold Phases

Sync Output Time	0.0	<C/5+1+C>

7-Wire Master

Begin Month	4	<C/5+2+A>
Begin Week	1	<C/5+2+B>
End Month	10	<C/5+2+C>
End Week	5	<C/5+2+D>

Daylight Savings Time

Time Before Yellow	0.0	<F/1+C+E>
Phase Number	0	<F/1+C+F>

Advance Warning Beacon - Sign 1

Time Before Yellow	0.0	<F/1+D+E>
Phase Number	0	<F/1+D+F>

Advance Warning Beacon - Sign 2

Long Failure	0.7	<F/1+0+6>
Short Failure	0.7	<F/1+0+7>

Power Cycle Correction (Default = 0.5)

Min Time (seconds)	0	<F/1+0+8>

Min Green Before PE Force Off

Max Time (minutes)	255	<F/1+0+9>

Max Preempt Time Before Failure

Min Time (seconds)	0	<F/1+0+A>

Min Time Between Same Preempts
(Does Not Apply To Railroad Preempt)

Low Priority
1 = Channel A
2 = Channel B
3 = Channel C
4 = Channel D

Low Pri. Channel		<E/125+C+8>

Disable Low Priority Channel

Column Numbers ---->

Row	Detector Name	Input Slot	Det #	0 C1 Pin Number	1 Attributes	2 Phase(s)	3 Assign	1 Delay in sec.	3 Carry-over
0		2I2U	1	39	45_7	2	123 8	0.0	0.0
1		6J2U	2	40	45_7	6	123 8	0.0	0.0
2		4I6U	3	41	45_7	4	123 8	0.0	0.0
3		8J6U	4	42	45_7	8	123 8	0.0	0.0
4		2I2L	5	43	45_7	2	123 8	0.0	0.0
5		6J2L	6	44	45_7	6	123 8	0.0	0.0
6		4I6L	7	45	45_7	4	123 8	0.0	0.0
7		8J6L	8	46	45_7	8	123 8	0.0	0.0
8		2I4	9	47	67	2	123 8	0.0	0.0
9		6J4	10	48	67	6	123 8	0.0	0.0
A		4I8	11	49	67	4	123 8	0.0	0.0
B		8J8	12	50	67	8	123 8	0.0	0.0
C		5J1	13	55	45_7	5	123 8	0.0	0.0
D		1I1	14	56	45_7	1	123 8	0.0	0.0
E		7J5	15	57	45_7	7	123 8	0.0	0.0
F		3I5	16	58	45_7	3	123 8	0.0	0.0

Row	Detector Name	Input Slot	Det #	4 C1 Pin Number	5 Attributes	6 Phase(s)	7 Assign	2 Delay in sec.	4 Carry-over
0		5J9U	17	59	45_7	5	123 8	0.0	0.0
1		1I9U	18	60	45_7	1	123 8	0.0	0.0
2		7J9L	19	61	45_7	7	123 8	0.0	0.0
3		3I9L	20	62	45_7	3	123 8	0.0	0.0
4		2I3U	21	63	45_7	2	123 8	0.0	0.0
5		6J3U	22	64	45_7	6	123 8	0.0	0.0
6		4I7U	23	65	45_7	4	123 8	0.0	0.0
7		8J7U	24	66	45_7	8	123 8	0.0	0.0
8			25	67	2	2	123 8	0.0	0.0
9			26	68	2	6	123 8	0.0	0.0
A			27	69	2	4	123 8	0.0	0.0
B			28	70	2	8	123 8	0.0	0.0
C		2I3L	29	76	45_7	2	123 8	0.0	0.0
D		6J3L	30	77	45_7	6	123 8	0.0	0.0
E		4I7L	31	78	45_7	4	123 8	0.0	0.0
F		8J7L	32	79	45_7	8	123 8	0.0	0.0

Detector Assignments <C+0+E=126> <C+0+D=0>

Detector Attributes
1 = Full Time Delay
2 = Ped Call
3 =
4 = Count
5 = Extension
6 = Type 3
7 = Calling
8 = Alternate

Det. Assignments
1 = Det. Set 1
2 = Det. Set 2
3 = Det. Set 3
4 =
5 =
6 = Failure - Min Recall
7 = Failure - Max Recall
8 = Report on Failure

D	
Number of Digits	0
1 st Digit	0
2 ed Digit	0
3 ed Digit	0
4 th Digit	0
5 th Digit	0
6 th Digit	0
7 th Digit	0
8 th Digit	0
9 th Digit	0
10 th Digit	0
11 th Digit	0
12 th Digit	0
13 th Digit	0
14 th Digit	0
15 th Digit	0

Dial-Back Telephone Number <C+0+C=5>

Column Numbers ---->	Ped / Phase / Overlap 1	2	3	4	5	6	7	8	Row
Walk	0	0	0	0	0	0	0	0	0
Don't Walk	0	0	0	0	0	0	0	0	1
Phase Green	0	0	0	0	0	0	0	0	2
Phase Yellow	0	0	0	0	0	0	0	0	3
Phase Red	0	0	0	0	0	0	0	0	4
Overlap Green	0	0	0	0	0	0	0	0	5
Overlap Yellow	0	0	0	0	0	0	0	0	6
Overlap Red	0	0	0	0	0	0	0	0	7

Redirect Phase Outputs <C+0+E=127>

Cabinet Type	0 <E/125+D+0>

Enable Redirection
(Enable Redirection = 30)

Max OFF (minutes)	20	<D/0+0+1>
Max ON (minutes)	7	<D/0+0+2>

Detector Failure Monitor

	D	Row
		0
Output Port 1		1
Output Port 2		2
Output Port 3		3
Output Port 4		4
Output Port 5		5
Output Port 6		6
Output Port 7		7

Dimming <C+0+E=125>

Disable Alarms
1 = Stop Time
2 = Flash Sense
3 = Keyboard Entry
4 = Manual Plan
5 = Police Control
6 = External Alarm
7 = Detector Failure
8 =

	B	Row
DELAY-A	0	A
DELAY-B	0	B
DELAY-C	0	C
DELAY-D	0	D
DELAY-E	0	E
DELAY-F	0	F

Delay Logic Times
<C+0+D=0> (seconds)

Omit Alarm		<C/5+F+0>

Disable Alarm Reporting

Time	10	<C/5+C+0>

Redial Time (minutes)

INTERSECTION: JUNIPERO SERRA BOULEVARD / SAN PEDRO ROAD

TOD Coordination <C+0+9=0.1>
(Bank 1)

Row	Time	Plan	Offset	Day of Week
0	07 : 00	2	A	_23456_
1	11 : 00	3	A	_23456_
2	15 : 30	E	A	_23456_
3	00 : 01	E	A	1____7
4	00 : 00	0	0	
5	00 : 00	0	0	
6	00 : 00	0	0	
7	00 : 00	0	0	
8	00 : 00	0	0	
9	00 : 00	0	0	
A	00 : 00	0	0	
B	00 : 00	0	0	
C	00 : 00	0	0	
D	00 : 00	0	0	
E	00 : 00	0	0	
F	00 : 00	0	0	

TOD Function <C+0+7=1> <C+0+E=27>

Time	Funct	Day of Week	Column 4 Phases/Bits
07 : 00	3	_23456_	1__4__8
15 : 30	3	_23456_	
15 : 30	E	_23456_	1_____
18 : 30	E	_23456_	
07 : 00	B	_23456_	___4__8
15 : 30	B	_23456_	_2_4_6_8
18 : 30	B	_23456_	
15 : 30	3	_23456_	___4__8
18 : 30	3	_23456_	
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		

Holiday Dates <C+0+8=1.1>
(Bank 1)

Day	Year	Month	Holiday Type
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	

Holiday Events <C+0+9=1.1>
(Bank 1)

Time	Plan	Offset	Holiday Type
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	

T.O.D. Functions
0 =
1 = Red Lock
2 = Yellow Lock
3 = Veh Min Recall
4 = Ped Recall
5 =
6 = Rest In Walk
7 = Red Rest
8 = Double Entry
9 = Veh Max Recall
A = Veh Soft Recall
B = Maximum 2
C = Conditional Service
D = Free Lag Phases
E = Bit 1 - Local Override
Bit 4 - Disable Detector OFF Monitor
Bit 7 - Detector Count Monitor
Bit 8 - Real Time Split Monitor

Plan Select
1 thru 9 = Coordination Plan 1 thru 9
14 or E = Free
15 or F = Flash

Offset Select
A = Offset A
B = Offset B
C = Offset C

Month Select
1 = January
2 = February
3 = March
4 = April
5 = May
6 = June
7 = July
8 = August
9 = September
A = October
B = November
C = December

TOD Coordination <C+0+9=0.2>
(Bank 2)

Row	Time	Plan	Offset	Day of Week
0	00 : 00	0	0	
1	00 : 00	0	0	
2	00 : 00	0	0	
3	00 : 00	0	0	
4	00 : 00	0	0	
5	00 : 00	0	0	
6	00 : 00	0	0	
7	00 : 00	0	0	
8	00 : 00	0	0	
9	00 : 00	0	0	
A	00 : 00	0	0	
B	00 : 00	0	0	
C	00 : 00	0	0	
D	00 : 00	0	0	
E	00 : 00	0	0	
F	00 : 00	0	0	

Holiday TOD Function <C+0+7=2> <C+0+E=28>

Time	Funct	Day of Week	Column 4 Phases/Bits
: 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		
00 : 00	0		

Holiday Dates <C+0+8=1.2>
(Bank 2)

Day	Year	Month	Holiday Type
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	
00	00	0	

Holiday Events <C+0+9=1.2>
(Bank 2)

Time	Plan	Offset	Holiday Type
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	
00 : 00	0	0	

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 1

<C+0+E=27>

Notes:

0 <E/27+5+F>

Limited Service Interval

Row	6 Clear	7 Time	8 Ped Call	9 Hold	A Advance	B Force Off	C Vehicle Call	D Permit Phases	E Ped Omit	F Output
0		0								
1		0								
2		0								
3		0								
4		0								
5		0								
6		0								
7		0								
8		0								
9		0								
A		0								
B		0								
C		0								
D		0								
E		0								
F		0								

Special Event Schedule -- Table 2

<C+0+E=28>

Notes:

0 <E/28+5+F>

Limited Service Interval