Traconex TMP 390 M0d

CITY OF SACRAMENTO

N/S St: 5th Street **E/W St:** I Street

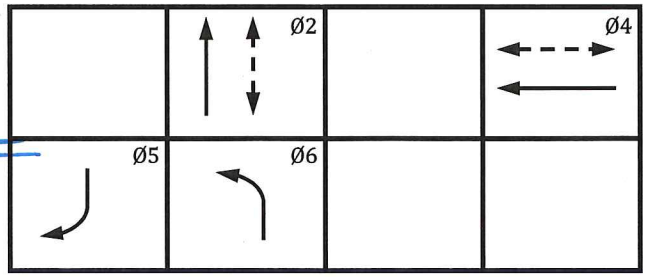
Intersection #: 152 **IP Address:**

Device ID: 1191.2 **Channel:** 19 **Drop#:** 1

Reviewed: **Approved:**

Compiled by:

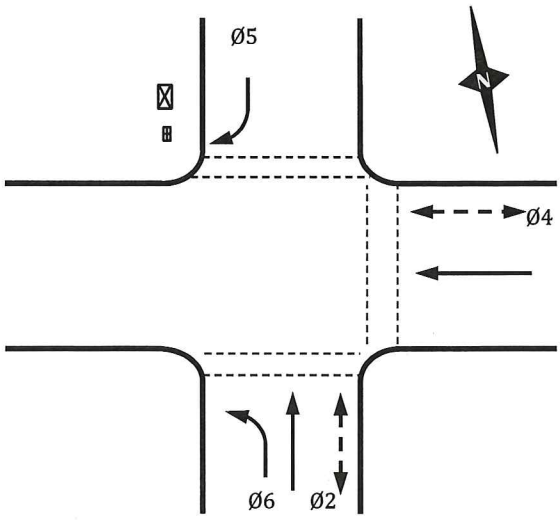
Date Implemented: 12/16/2010



Phase Timing		Key: 390 - Page - 3 - Enter							
	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Min Green	MIN		9		9	8	10		
Walk	WLK		7		7				
Ped Clr	WCL		12		9				
Passage Time	PSG		2.0		2.0	2.0	2.0		
Max No. 1	MX1		30		30	20	30		
Max No. 2	MX2								
Yellow Clr	YEL		3.7		3.5	3.5	3.5		
All Red Clr	RED				1.5				
Red Revert	RRT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Act. B4 Added	ABA								
Sec / Act	S/A								
Max Initial	MXI								
Time B4 Reduce	TBR								
Time to Reduce	TTR								
Min Gap	MNG								
Cond Min Green	CMN								

Options		Key: 390 - Page - 2 - Enter							
	DISPLAY	Ø8	Ø7	Ø6	Ø5	Ø4	Ø3	Ø2	Ø1
Phase in Use	USE			6	5	4		2	
Ped Phases	PED					4		2	
Flashing Walk	FWK								
Act Rest in Walk	ARW								
Walk Clr Protect	WCP								
Density Phases	DEN								
Last Car Passage	LCP								
Veh call to NonAct	VN1					4		2	
Ped call to NonAct	PN1					4		2	
Veh call to NonAct	VN2								
Ped call to NonAct	PN2								
Fast Flash Green	FGN								
Enable Menu Scrol	MNU								
Left Turn Yellow Bl	LAB								
Select Anti -Backup	ABU								

Additional Parameters		Key: 390 - Page - 4 - Enter							
	DISPLAY	Ø8	Ø7	Ø6	Ø5	Ø4	Ø3	Ø2	Ø1
Power Up Flash	PUF			sec					
Start Up Red Time	SAR		6	sec					
Start Up in Red	SUR								
Start up in Yel	SUY	8				4			
Start Up In Green	SUG								
Main ST (MUTCD)	MSF					4			
Min MUTCD FL Time	FMN		15	sec					
Dual Entry	DLE			6				2	
Sim Gap Out	SGO								
Min Recall	MNR								
Min Soft Recall	MNS								
Max Recall	MXR					4		2	
Ped Recall	PDR					4		2	
Lock Detector	LKD				5				
Liq Crys Dis Test	LCD			0=OFF 1=ON					
Backlight On/Off	LBT		1	0=OFF 1=ON					



NEW CONTROLLER SHOULD BE DEFAULTED BEFORE INSTALLATION
TO DEFAULT CONTROLLER HOLD 390 BUTTON AND CYCLE POWER
TO SET DATE AND TIME KEY: 390 - PAGE - 1 - ENTER

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Overlap		Key: 390 - Page - 5 - Enter							
OVLP 1	**DISPLAY**	**Ø8**	**Ø7**	**Ø6**	**Ø5**	**Ø4**	**Ø3**	**Ø2**	**Ø1**
Standard OVLP	**STD**								
Pro Phase of Pro/Per	**PRO**								
Pro Phase of Pro/Per	**PER**								
Aux Green Time	**AXG**			**0-255 sec**					
Aux Yellow Time	**AXY**			**3.0-25.5 sec**					
Aux Red Time	**AXR**			**0.0-25.5 sec**					
Follow Parent Phase	**FPP**								
OVLP 2	**DISPLAY**	**Ø8**	**Ø7**	**Ø6**	**Ø5**	**Ø4**	**Ø3**	**Ø2**	**Ø1**
Standard OVLP	**STD**								
Pro Phase of Pro/Per	**PRO**								
Pro Phase of Pro/Per	**PER**								
Aux Green Time	**AXG**			**0-255 sec**					
Aux Yellow Time	**AXY**			**3.0-25.5 sec**					
Aux Red Time	**AXR**			**0.0-25.5 sec**					
Follow Parent Phase	**FPP**								
OVLP 3	**DISPLAY**	**Ø8**	**Ø7**	**Ø6**	**Ø5**	**Ø4**	**Ø3**	**Ø2**	**Ø1**
Standard OVLP	**STD**								
Pro Phase of Pro/Per	**PRO**								
Pro Phase of Pro/Per	**PER**								
Aux Green Time	**AXG**			**0-255 sec**					
Aux Yellow Time	**AXY**			**3.0-25.5 sec**					
Aux Red Time	**AXR**			**0.0-25.5 sec**					
Follow Parent Phase	**FPP**								
OVLP 4	**DISPLAY**	**Ø8**	**Ø7**	**Ø6**	**Ø5**	**Ø4**	**Ø3**	**Ø2**	**Ø1**
Standard OVLP	**STD**								
Pro Phase of Pro/Per	**PRO**								
Pro Phase of Pro/Per	**PER**								
Aux Green Time	**AXG**			**0-255 sec**					
Aux Yellow Time	**AXY**			**3.0-25.5 sec**					
Aux Red Time	**AXR**			**0.0-25.5 sec**					
Follow Parent Phase	**FPP**								

Function Enable		Key: 390 - Page - 6 - Enter
Frnt Pnl O/L Enable	**FOE**	**1** **0 TO 3**
Spcl Func Enable	**SFE**	**0** **0 OR 1 0=OFF 1=ON**
Stop Time Enable	**STE**	**0** **0 OR 1 0=OFF 1=ON**
Seq Rotat Enable	**SQE**	**0** **0 TO 2**
Cond Serv Enable	**CSE**	. . . .
Neg OVL Enable	**NOE**	**0** **0 OR 1 0=OFF 1=ON**
Dimming Enable	**DME**	**0** **1=50%, 2=66%, 3=75**
Pre w/Flsh Dwell	**PFE**	**Preempt 1-5** . . . . .
Preempt Out Mode	**POM**	**0** **0 TO 3**
TOD On/Off	**TOD**	**1** **0 OR 1 0=OFF 1=ON**
Coord On/Off	**CRD**	**1** **0 OR 1 0=OFF 1=ON**
Diag Test Enable	**DIA**	**1 TO 4** **1 2 3 4**
Security Code Accs	**SCY**	**0** **0-255 0=No Code**
Config Control	**CFG**	**0** **0 TO 7**
Volt Mon off Dur Flsh	**FLE**	**1** **0=OFF 1=ON**
Time after Init B4 reduce	**TBS**	**0** **0 OR 1**

More Data		Key: 390 - Page - 7 - Enter
Printer Report Enable	**PNT**	**0 TO 99**
Manual ø Rotate Sel	**SQK**	**0 TO 15**
Disp ø Seq, Remote	**SQC**	**0 TO 15**
Disp Effect ø Seq	**SQI**	**0 TO 15**
Dimming Red Enable	**DRD**	
Dimming Yello Enable	**DYL**	
Dimming Grn Enable	**DGN**	
Dim Ped Walk Enable	**DWK**	
Dim Ped DWlk Enable	**DDW**	
Dim Red OVLP's	**DOR**	
Dim Yello OVLP's	**DOY**	
Dim Grn OVLP's	**DOG**	
Clock	**CLK**	**READ ONLY**
Non Volatile Ram Sel	**NVR**	.
Active TOD Plan	**ACT**	**0** **0 TO 48**
Audible Keyboard	**AUD**	**1** **0 OR 1 O=OFF 1=ON**

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Manual Selections		Key: 390 - Page - 11 - Enter	
Man Free-Coord	F/C	0	0=Free 1=Coordinated
Man Semi or Fully Act	S/F	0	0=Semi 1=Fully
Man Dwnld Request	DRQ	0	0=OFF 1=ON
Synch Puls Tolerance	SYC	2	0 TO 10 sec
Master/Local Cycle	M/L	1	0=Master 1=Local
Man Cycle Plan	CP	0	0 TO 18
Man Offset Selection	OFF	0	0 TO 5
Man Local/Remote	L/R	1	0=Local 1=Remote
Man TOD Plan	TDP	0	0 TO 48
Det Sample Period	SMP	15	0-255 sec
Divide Vol 4 Report	DVV	1	1 TO 100
Enable Max Coord	CME	. . . .	
Disable Ped Omit Crd	DPO	. . . .	
Enable Secdry Coord	SCP	. . . . . . 2 .	

Manual Offset Set		Key: 390 - Page - 35 - Enter	
Select CP to Synch	CP	0	1 TO 6
Select Ofset to Synch	OFF	0	1 TO 5
Synch	SET	0	SET 1,Press ENTER to Synch

System Parameters		Key: 390 - Page - 15 - Enter	
System Enable	SYE	2	0 TO 2,1=Traconet 2= TOC
System Det Enable	SDT	. . . .	
Drop Address	ADD	1	0 TO 31
Inter Plan# Disp	IPL	0	0 TO 48 READ ONLY
Inter Plan Mode	IPM	1	0 TO 2,2=WWV Time Receive
Local Det Fail Time	DFT	255	0-255 sec
Failed Local Det Disp	FDT	. . . .	
Enable Local Det Mon	DFM	. . . .	
Disp Local 5min Vol	5MV	0	0 TO 255
Sync Time to Hour	SHR	0	0 TO 23
Sync Time to Min	SMN	0	0 TO 59
Time On-Line B4 Bkup	ONL	5	min 0 TO 255 0=MODE2
Dyn Split Adjust, Glob	DSA	1	0 TO 1
Dyn Split Adjust Max	DS%	25	0 TO 100
DB Change Flag	DBC	NO ACCESS	
Drop Request	DRP	0	0 TO 1

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Seq # = Ø's Switched			
0=NEMA	4=5&6	8=7&8	12=5&6, 7&8
1=1&2	5=1&2, 5&6	9=1&2, 7&8	13=1&2, 5&6, 7&8
2=3&4	6=3&4, 5&6	10=3&4, 7&8	14=3&4, 5&6, 7&8
3=1&2, 3&4	7=1&2, 3&4, 5&6	11=1&2, 3&4, 7&8	15=All ø's Rotated

Cycle Plans 1 - 24													Key: 390 - Page - 12 - Enter
Cycle Plan Number		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Cycle Length	CYC	50	50	100									
Offset 1	OF1	29	32	20									
Offset 2	OF2	0	0	0									
Offset 3	OF3	0	0	0									
Offset 4	OF4	0	0	0									
Offset 5	OF5	0	0	0									
Spcl Fnctn #3 ON	SON	0	0	0									
Spcl Fnctn #3 OFF	SOF	0	0	0									
Max Shrinkage	SHK	2	0	25									
Max Expansion	EXP	15	15	25									
Main St Yield	YLD	0	0	0									
Sequence Select	SEQ	0	0	0									
Main St Green	MSG	4	4	4									
ø1 Split	SD1		0	0									
ø2 Split	SD2	26	28	26									
ø3 Split	SD3	0	0	0									
ø4 Split	SD4	24	22	74									
ø5 Split	SD5	12	13	12									
ø6 Split	SD6	14	15	14									
ø7 Split	SD7	0	0	0									
ø8 Split	SD8	0	0	0									
Cycle Plan Number		**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Cycle Length	CYC	0	0	0	0	0	0	0	0	0	0	0	0
Offset 1	OF1	0	0	0	0	0	0	0	0	0	0	0	0
Offset 2	OF2	0	0	0	0	0	0	0	0	0	0	0	0
Offset 3	OF3	0	0	0	0	0	0	0	0	0	0	0	0
Offset 4	OF4	0	0	0	0	0	0	0	0	0	0	0	0
Offset 5	OF5	0	0	0	0	0	0	0	0	0	0	0	0
Spcl Fnctn #3 ON	SON	0	0	0	0	0	0	0	0	0	0	0	0
Spcl Fnctn #3 OFF	SOF	0	0	0	0	0	0	0	0	0	0	0	0
Max Shrinkage	SHK	25	25	25	25	25	25	25	25	25	25	25	25
Max Expansion	EXP	25	25	25	25	25	25	25	25	25	25	25	25
Main St Yield	YLD	5	5	5	5	5	5	5	5	5	5	5	5
Sequence Select	SEQ	0	0	0	0	0	0	0	0	0	0	0	0
Main St Green	MSG												
ø1 Split	SD1	15	15	15	15	15	15	15	15	15	15	15	15
ø2 Split	SD2	25	25	25	25	25	25	25	25	25	25	25	25
ø3 Split	SD3	15	15	15	15	15	15	15	15	15	15	15	15
ø4 Split	SD4	25	25	25	25	25	25	25	25	25	25	25	25
ø5 Split	SD5	15	15	15	15	15	15	15	15	15	15	15	15
ø6 Split	SD6	25	25	25	25	25	25	25	25	25	25	25	25
ø7 Split	SD7	15	15	15	15	15	15	15	15	15	15	15	15
ø8 Split	SD8	25	25	25	25	25	25	25	25	25	25	25	25

CITY OF SACRAMENTO

DOW Types:

0= One Time Event **3**=Tuesdays **6**=Fridays **9**= All Weekend Days
1=Sundays **4**=Wednesdays **7**=Saturdays **10**=Every Day
2=Mondays **5**=Thursdays **8**=All Weekday

TOD Plans 1 - 6 — Key: 390 - Page - 16 - Enter

		TOD Plan #1		TOD Plan #2		TOD Plan #3	
TOD Plan #	NUM	1	0 TO 48	2	0 TO 48	3	0 TO 48
Effective Year	YR	0	0 TO 99	0	0 TO 99	0	0 TO 99
Effective Month	MON	0	1 TO 12	0	1 TO 12	0	1 TO 12
Effective Day	DOM	0	1 TO 31	0	1 TO 31	0	1 TO 31
Effective Hour	HR	0	0 TO 23	7	0 TO 23	9	0 TO 23
Effective Minute	MIN	1	0 TO 59	0	0 TO 59	0	0 TO 59
Effective DOW	TYP	10	0 TO 10	8	0 TO 10	8	0 TO 10
Free or Coord	F/C	1	0 TO 1,0=Free 1=Coord	1	0 TO 1,0=Free 1=Coord	0	0 TO 1,0=Free 1=Coord
Sel Det, WRM, CN	MDT	. .	1,2,3,7,8 . . .	. .	1,2,3,7,8 . . .	. .	1,2,3,7,8 . . .
Dyn Spl Adj	DSA	0	0 TO 1	0	0 TO 1	0	0 TO 1
Cycle Plan Sel	CP	1	0 TO 48	2	0 TO 48	1	0 TO 48
Offset Select	OFF	1	0 TO 48	1	0 TO 48	1	0 TO 48
Semi/Fully Act	S/F	0	0 TO 48	0	0 TO 48	0	0 TO 48
Flash Enable	FLA	0	0 TO 48	0	0 TO 48	0	0 TO 48
Spcl Func Enbl	SPF	. . . .		. . . .		. . . .	
Dimming Enable	DIM	0	0 TO 1 0=Off 1=On	0	0 TO 1 0=Off 1=On	0	0 TO 1 0=Off 1=On
TOD Min Recall	MNR	6		6		6	
TOD Max Recall	MXR	4 2		4 2		4 2	
TOD Ped Recall	PDR	4 2		4 2		4 2	
TOD Max2 Sel	MX2						
Density Enable	DEN						
Phase Rotation	SEQ	0	0 TO 15	0	0 TO 15		0 TO 15
Cond Service	CSV						
Rest in Red	RRD						
Phase Omit	OMT						
Ped Omit	OMP						
Omit All Red	OMR						

		TOD Plan #4		TOD Plan #5		TOD Plan #6	
TOD Plan #	NUM	4	0 TO 48	5	0 TO 48		0 TO 48
Effective Year	YR	0	0 TO 99	0	0 TO 99		0 TO 99
Effective Month	TUE	0	1 TO 12	0	1 TO 12		1 TO 12
Effective Day	DOM	0	1 TO 31	18	1 TO 31		1 TO 31
Effective Hour	HR	15	0 TO 23	0	0 TO 23		0 TO 23
Effective Minute	MIN	30	0 TO 59	8	0 TO 59		0 TO 59
Effective DOW	TYP	8	0 TO 10	1	0 TO 10		0 TO 10
Free or Coord	F/C	1	0 TO 1,0=Free 1=Coord	0	0 TO 1,0=Free 1=Coord		0 TO 1,0=Free 1=Coord
Sel Det, WRM, CN	MDT	. .	1,2,3,7,8 . . .	. .	1,2,3,7,8 . . .		1,2,3,7,8
Dyn Spl Adj	DSA	0	0 TO 1	0	0 TO 1		0 TO 1
Cycle Plan Sel	CP	3	0 TO 48	1	0 TO 48		0 TO 48
Offset Select	OFF	1	0 TO 48	1	0 TO 48		0 TO 48
Semi/Fully Act	S/F	0	0 TO 48	0	0 TO 48		0 TO 48
Flash Enable	FLA	0	0 TO 48	0	0 TO 48		0 TO 48
Spcl Func Enbl	SPF	. . . .		. . . .			
Dimming Enable	DIM	0	0 TO 1 0=Off 1=On	0	0 TO 1 0=Off 1=On		0 TO 1 0=Off 1=On
TOD Min Recall	MNR	. . 6		. . 6			
TOD Max Recall	MXR	. . . . 4 . 2 .		. . . . 4 . 2 .			
TOD Ped Recall	PDR	. . . . 4 . 2 .		. . . . 4 . 2 .			
TOD Max2 Sel	MX2	. . . .		. . . .			
Density Enable	DEN	. . . .		. . . .			
Phase Rotation	SEQ	0	0 TO 15	0	0 TO 15		0 TO 15
Cond Service	CSV	. . . .		. . . .			
Rest in Red	RRD	. . . .		. . . .			
Phase Omit	OMT	. . . .		. . . .			
Ped Omit	OMP	. . . .		. . . .			
Omit All Red	OMR	. . . .		. . . .			

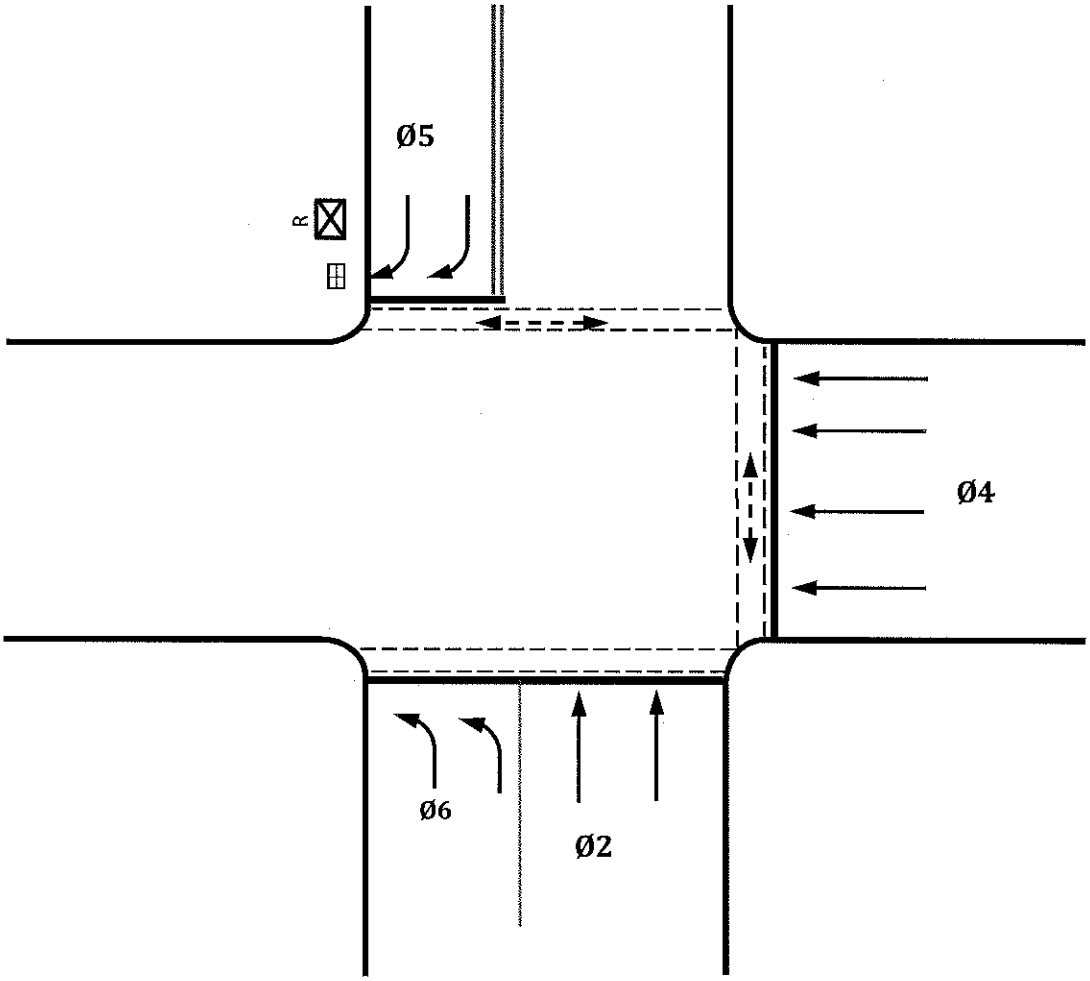
TRACONEX 390 M0d

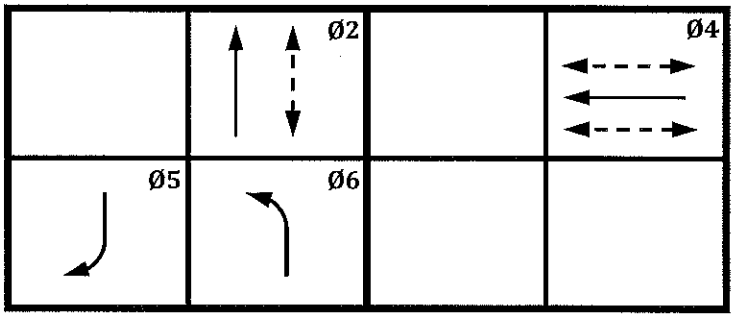
TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

N/S 5th Street E/W I Street

INTERSECTION: 152 SYSTEM: IP Address:

Device ID: 1191 Channel: 19 Drop #: 1





Traconex TMP 390 M0d

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Prepared by: _____ **Approved by:** _____ **Date Implemented:** 4/25/13

Phase Timing

Key: 390 - Page - 3 - Enter

Phase		1	2	3	4	5	6	7	8
Min Green	MIN		9		9	8	10		
Walk	WLK		7		4				
Ped Clr	WCL		15		14				
Passage Time	PSG		2.0		2.0	1.0	2.0		
Max No. 1	MX1		30		30	20	30		
Max No. 2	MX2		25		80	20	25		
Yellow Clr	YEL		3.7		3.5	3.5	3.5		
All Red Clr	RED				0.5				
Red Revert	RRT		2.0		2.0	2.0	2.0		
Act. B4 Added	ABA								
Sec / Act	S/A								
Max Initial	MXI								
Time B4 Reduce	TBR								
Time to Reduce	TTR		1		1	1	1		
Min Gap	MNG								
Cond Min Green	CMN								

Options

Key: 390 - Page - 2 - Enter

Phase		8	7	6	5	4	3	2	1
Phase in Use	USE			6	5	4		2	
Ped Phases	PED					4		2	
Flashing Walk	FWK								
Act Rest in Walk	ARW								
Walk Clr Protect	WCP								
Density Phases	DEN								
Last Car Passage	LCP								
Veh call to NonAct 1	VN1					4			
Ped call to NonAct 1	PN1					4			
Veh call to NonAct 2	VN2								
Ped call to NonAct 2	PN2								
Fast Flash Green	FGN								
Enable Menu Scroll	MNU								
Left Turn Yellow Blar	LAB								
Select Anti -Backup	ABU								

Additional Parameters

Key: 390 - Page 4 - Enter

Phase		8	7	6	5	4	3	2	1
Power Up Flash	PUF			sec					
Start Up Red Time	SAR	6		sec					
Start Up in Red	SUR								
Start up in Yel	SUY	8				4			
Start Up In Green	SUG								
Main ST (MUTCD)	MSF					4			
Min MUTCD FL Time	FMN	15		sec					
Dual Entry	DLE			6				2	
Sim Gap Out	SGO								
Min Recall	MNR			6	5				
Min Soft Recall	MNS								
Max Recall	MXR					4		2	
Ped Recall	PDR					4		2	
Lock Detector	LKD				5				
Liq Crys Dis Test	LCD	0		0=OFF 1=ON					
Backlight On/Off	LBT	1		0=OFF 1=ON					

CITY OF SACRAMENTO

MORE DATA

Function Enable — **Key: 390 - Page - 6 - Enter**

Frnt Pnl O/L Enable	FOE	1	0 TO 3
Spcl Func Enable	SFE	0	0 OR 1 0=OFF 1=ON
Stop Time Enable	STE	0	0 OR 1 0=OFF 1=ON
Seq Rotat Enable	SQE	0	0 TO 2
Cond Serv Enable	CSE		
Neg OVL Enable	NOE	0	0 OR 1 0=OFF 1=ON
Dimming Enable	DME	0	1=50%, 2=66%, 3=
Pre w/Flsh Dwell	PFE	Preempt 1-5	
Preempt Out Mode	POM	0	0 TO 3
TOD On/Off	TOD	1	0 OR 1 0=OFF 1=ON
Coord On/Off	CRD	1	0 OR 1 0=OFF 1=ON
Diag Test Enable	DIA	1 TO 4	4 3 2 1
Security Code Accs	SCY	0	0-255 0=No Code
Config Control	CFG	0	0 TO 7
Volt Mon off Dur Flsh	FLE	1	0=OFF 1=ON
ime after Init B4 reduc	TBS	0	0 OR 1

More Data — **Key: 390 - Page - 7 - Enter**

Printer Report Enable	PNT		0 TO 99
Manual ø Rotate Sel	SQK		0 TO 15
Disp ø Seq, Remote	SQC		0 TO 15
Disp Effect ø Seq	SQI	0	0 TO 15
Dimming Red Enable	DRD		
Dimming Yello Enable	DYL		
Dimming Grn Enable	DGN		
Dim Ped Walk Enable	DWK		
Dim Ped DWlk Enable	DDW		
Dim Red OVLP's	DOR		
Dim Yello OVLP's	DOY		
Dim Grn OVLP's	DOG		
Clock	CLK	14	READ ONLY
Non Volatile Ram Sel	NVR		.
Active TOD Plan	ACT	3	0 TO 48
Audible Keyboard	AUD	1	0 OR 1 0=OFF 1=ON

CITY OF SACRAMENTO

OPTIONS

Manual Selections — Key: 390 - Page - 11 - Enter

Man Free-Coord	F/C	0	0=Free 1=Coordinated
Man Semi or Fully Act	S/F	0	0=Semi 1=Fully
Man Dwnld Request	DRQ	0	0=OFF 1=ON
Synch Puls Tolerance	SYC	2	0 TO 10 sec
Master/Local Cycle	M/L	1	0=Master 1=Local
Man Cycle Plan	CP	0	0 TO 18
Man Offset Selection	OFF	0	0 TO 5
Man Local/Remote	L/R	1	0=Local 1=Remote
Man TOD Plan	TDP	0	0 TO 48
Det Sample Period	SMP	15	0-255 sec
Divide Vol 4 Report	DVV	1	1 TO 100
Enable Max Coord	CME		
Disable Ped Omit Crd	DPO		
Enable Secdry Coord	SCP		2

Manual Offset Set — Key: 390 - Page - 35 - Enter

Select CP to Synch	CP	0	1 TO 6
Select Ofset to Synch	OFF	0	1 TO 5
Synch	SET	0	SET 1,Press ENTER to Synch

System Parameters — Key: 390 - Page - 15 - Enter

System Enable	SYE	2	0 TO 2,1=Traconet 2= TOC
System Det Enable	SDT		
Drop Address	ADD	1	0 TO 31
Inter Plan# Disp	IPL	0	0 TO 48 READ ONLY
Inter Plan Mode	IPM	1	0 TO 2,2=WWV Time Receive
Local Det Fail Time	DFT	255	0-255 sec
Failed Local Det Disp	FDT		
Enable Local Det Mon	DFM		
Disp Local 5min Vol	5MV	0	0 TO 255
Sync Time to Hour	SHR	0	0 TO 23
Sync Time to Min	SMN	0	0 TO 59
Time On-Line B4 Bkup	ONL	5	min 0 TO 255 0=MODE2
Dyn Split Adjust, Glob	DSA	1	0 TO 1
Dyn Split Adjust Max	DS%	25	0 TO 100
DB Change Flag	DBC		NO ACCESS
Drop Request	DRP	0	0 TO 1

CITY OF SACRAMENTO

COORDINATION CYCLE PLANS

Seq # = Ø's Switched

0=NEMA	**4**=5&6	**8**=7&8	**12**=5&6, 7&8
1=1&2	**5**=1&2, 5&6	**9**=1&2, 7&8	**13**=1&2, 5&6, 7&8
2=3&4	**6**=3&4, 5&6	**10**=3&4, 7&8	**14**=3&4, 5&6, 7&8
3=1&2, 3&4	**7**=1&2, 3&4, 5&6	**11**=1&2, 3&4, 7&8	**15**=All ø's Rotated

Cycle Plans 1 - 24 **Key: 390 - Page - 12 - Enter**

Cycle Plan Number		**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Cycle Length	CYC	50	50	100									
Offset 1	OF1	29	32	20									
Offset 2	OF2												
Offset 3	OF3												
Offset 4	OF4												
Offset 5	OF5												
Spcl Fnctn #3 ON	SON												
Spcl Fnctn #3 OFF	SOF												
Max Shrinkage	SHK	2	0	25									
Max Expansion	EXP	15	15	25									
Main St Yield	YLD												
Sequence Select	SEQ												
Main St Green	MSG	4	4	4									
ø1 Split	SD1												
ø2 Split	SD2	26	28	26									
ø3 Split	SD3												
ø4 Split	SD4	24	22	74									
ø5 Split	SD5	12	13	12									
ø6 Split	SD6	14	15	14									
ø7 Split	SD7												
ø8 Split	SD8												

Cycle Plan Number		**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**
Cycle Length	CYC												
Offset 1	OF1												
Offset 2	OF2												
Offset 3	OF3												
Offset 4	OF4												
Offset 5	OF5												
Spcl Fnctn #3 ON	SON												
Spcl Fnctn #3 OFF	SOF												
Max Shrinkage	SHK												
Max Expansion	EXP												
Main St Yield	YLD												
Sequence Select	SEQ												
Main St Green	MSG												
ø1 Split	SD1												
ø2 Split	SD2												
ø3 Split	SD3												
ø4 Split	SD4												
ø5 Split	SD5												
ø6 Split	SD6												
ø7 Split	SD7												
ø8 Split	SD8												

Traconex TMP 390 M0d

CITY OF SACRAMENTO

TIME OF DAY PLANS

DOW Types:

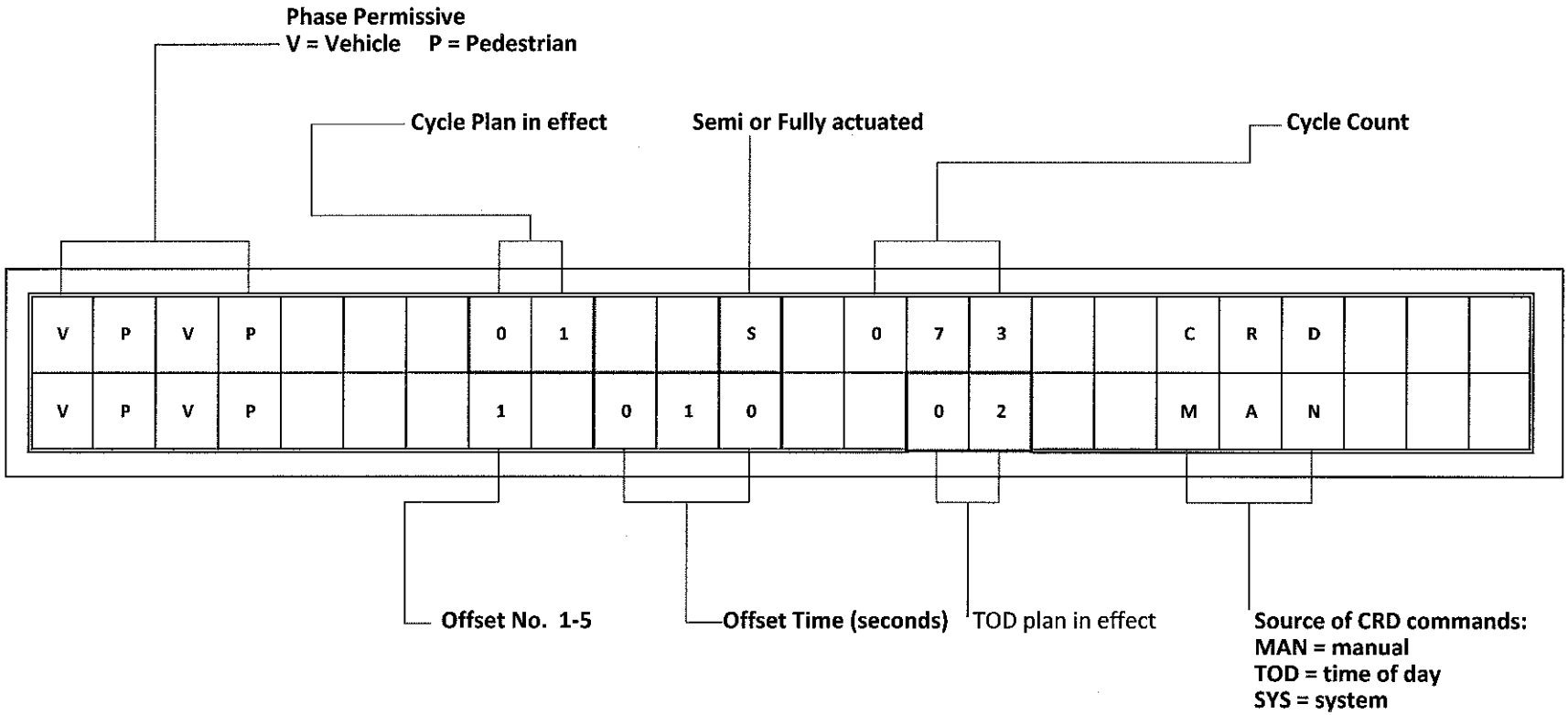
0= One Time Event **3**=Tuesdays **6**=Fridays **9**= All Weekend Days
1=Sundays **4**=Wednesdays **7**=Saturdays **10**=Every Day
2=Mondays **5**=Thursdays **8**=All Weekday

TOD Plans 1 - 6

Key: 390 - Page - 16 - Enter

		TOD Plan #1		TOD Plan #2		TOD Plan #3	
TOD Plan #	NUM	1	0 TO 48	2	0 TO 48	3	0 TO 48
Effective Year	YR	0	0 TO 99	0	0 TO 99	0	0 TO 99
Effective Month	MON	0	1 TO 12	0	1 TO 12	0	1 TO 12
Effective Day	DOM	0	1 TO 31	0	1 TO 31	0	1 TO 31
Effective Hour	HR	6	0 TO 23	7	0 TO 23	9	0 TO 23
Effective Minute	MIN	0	0 TO 59	0	0 TO 59	0	0 TO 59
Effective DOW	TYP	10	0 TO 10	8	0 TO 10	8	0 TO 10
Free or Coord	F/C	1	0 TO 1,0=Free 1=Coor	1	0 TO 1,0=Free 1=Coor	1	0 TO 1,0=Free 1=Coor
Sel Det, WRM, CNA	MDT		1,2,3,7,8 . . .		1,2,3,7,8 . . .		1,2,3,7,8 . . .
Dyn Spl Adj	DSA	0	0 TO 1	0	0 TO 1	0	0 TO 1
Cycle Plan Sel	CP	1	0 TO 48	2	0 TO 48	1	0 TO 48
Offset Select	OFF	1	0 TO 48	1	0 TO 48	1	0 TO 48
Semi/Fully Act	S/F		0 TO 48		0 TO 48		0 TO 48
Flash Enable	FLA		0 TO 48		0 TO 48		0 TO 48
Spcl Func Enbl	SPF						
Dimming Enable	DIM		0 TO 1 0=Off 1=On		0 TO 1 0=Off 1=On		0 TO 1 0=Off 1=On
TOD Min Recall	MNR	6		6		6	
TOD Max Recall	MXR	4	2	4	2	4	2
TOD Ped Recall	PDR	4	2	4	2	4	2
TOD Max2 Sel	MX2						
Density Enable	DEN						
Phase Rotation	SEQ		0 TO 15		0 TO 15		0 TO 15
Cond Service	CSV						
Rest in Red	RRD						
Phase Omit	OMT						
Ped Omit	OMP						
Omit All Red	OMR						

		TOD Plan #4		TOD Plan #5		TOD Plan #6	
TOD Plan #	NUM	4	0 TO 48	5	0 TO 48	6	0 TO 48
Effective Year	YR	0	0 TO 99	0	0 TO 99	0	0 TO 99
Effective Month	TUE	0	1 TO 12	0	1 TO 12	0	1 TO 12
Effective Day	DOM	0	1 TO 31	0	1 TO 31	0	1 TO 31
Effective Hour	HR	15	0 TO 23	18	0 TO 23	0	0 TO 23
Effective Minute	MIN	30	0 TO 59	0	0 TO 59	1	0 TO 59
Effective DOW	TYP	8	0 TO 10	8	0 TO 10	8	0 TO 10
Free or Coord	F/C	1	0 TO 1,0=Free 1=Coor	1	0 TO 1,0=Free 1=Coor	1	0 TO 1,0=Free 1=Coor
Sel Det, WRM, CNA	MDT		1,2,3,7,8 . . .		1,2,3,7,8 . . .		1,2,3,7,8 . . .
Dyn Spl Adj	DSA	0	0 TO 1	0	0 TO 1	0	0 TO 1
Cycle Plan Sel	CP	3	0 TO 48	1	0 TO 48	1	0 TO 48
Offset Select	OFF	1	0 TO 48	1	0 TO 48	1	0 TO 48
Semi/Fully Act	S/F		0 TO 48		0 TO 48		0 TO 48
Flash Enable	FLA		0 TO 48		0 TO 48		0 TO 48
Spcl Func Enbl	SPF						
Dimming Enable	DIM		0 TO 1 0=Off 1=On		0 TO 1 0=Off 1=On		0 TO 1 0=Off 1=On
TOD Min Recall	MNR	6		6		6	
TOD Max Recall	MXR	4	2	4	2	4	2
TOD Ped Recall	PDR	4	2	4	2	4	2
TOD Max2 Sel	MX2						
Density Enable	DEN						
Phase Rotation	SEQ		0 TO 15		0 TO 15		0 TO 15
Cond Service	CSV						
Rest in Red	RRD						
Phase Omit	OMT						
Ped Omit	OMP						
Omit All Red	OMR						



Common 390 Error Codes

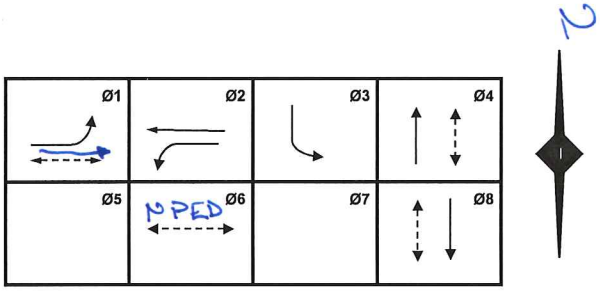
001 - Phase time is greater than splits.	008 - Offset greater thank cycle length.
002 - G + Y + R greater than 255 sec.	010 - Shrink/Expan greater than Cycle length.
003 - W = WC = Y = Red is greater than 255.	011 - Same as 010.
005 - Main Streets not on same side of barrier.	012 - Yield greater thank MS green split.
006 - More than one Main Street in a ring.	018 - Sum of splits not equal to cycle length.
007 - Same as 006.	019 - Sum of ring one not equal to ring two.
	021 - MS green omitted.

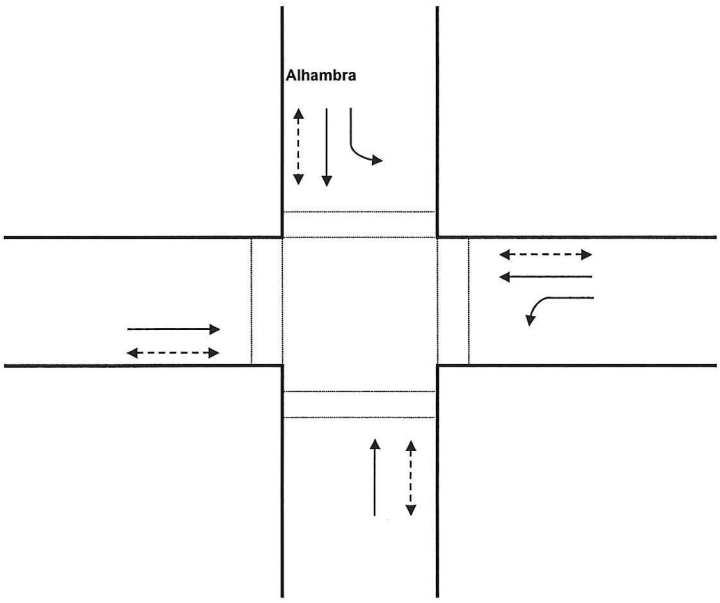
CITY OF SACRAMENTO **2070 Controller: D4 Software**

Intersection #: 116 **Date Implemented:** 3/16/20010 3/16/10

N/S St: Alhambra **E/W St:** J Street **Reviewed:** HB / SW

Device ID: 192.167.4.35 **Channel:** ____ **Drop#:** ____ **Approved:** _____





Notes: _____

_____

_____

_____

Alhambra & J Street

Phase Timing

4/16/2010 2:24:44 PM

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Min Green	6	6	4	6	0	6	0	6	0	0	0	0	0	0	0	0
Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Green 1	35	20	12	19	0	19	0	17	0	0	0	0	0	0	0	0
Max Green 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
Max Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yellow	3.6	3.6	3.6	3.6	0.0	3.6	0.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clr	0.3	0.3	0.3	0.3	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk	5	0	0	5	0	5	0	5	0	0	0	0	0	0	0	0
Ped Clr	8	0	0	11	0	11	0	9	0	0	0	0	0	0	0	0
Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Early Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Added	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce After	0	0	0	0	0	0	0	0	0	8	0	0	0	8	0	8
TTReduce	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0	4.0
Neg Ped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AP Disc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Phase Options

4/16/2010 2:24:44 PM

Phases	1-8							9-16							
Min Recalls	1	2	3	4		6		8								
Max Recalls	1	2	3	4		6		8								
Ped Recalls	1			4		6		8								
Soft Recall																
Dual Entry																
Red Rest																
Walk Rest																
Walk Expand																
Ped Recycle																
No Simult Gap																
Yel Lock																
Red Lock																
PhaseNext Lock																
No Term Call																
Cond Serv																
CS Enable																
Veh Omit																
Ped Omit																
Perm Phase																
Protect Calls																
Flash Entry																
Flash Exit																
Flash Exit Yel																
Flash Exit Red																
Ped Scramble																
No Min Yel																
No Min Red Rev																
Max Scramble Walk																
Flash Yellow																
CNA 1																
CNA 2																

Alhambra & J Street

Phase Startup Options

4/16/2010 2:24:44 PM

Startup Flash [4] Startup All Red [4]

Phases	1-8							9-16							
Startup Phases				4			8								
Startup Yellow				4			8								
Startup Red															
Startup No Walk															
Startup Next															
No Veh Call															
No Ped Call															

Phase Startup Timing

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Start Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Ring Sequence / Conflicting Phases

4/16/2010 2:24:44 PM

Ringgroup 1

Ring 1	1	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0
Ring 2	0	6	0	8	0	0	0	0	0	0	0	0	0	0	0	0

Ringgroup 2

Custom Sequences

Seq 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Conflicting Phases

	1-8	9-16
Phase 1		
Phase 2		
Phase 3		
Phase 4		
Phase 5		
Phase 6		
Phase 7		
Phase 8		
Phase 9		
Phase 10		
Phase 11		
Phase 12		
Phase 13		
Phase 14		
Phase 15		
Phase 16		

Alhambra & J Street

Coordination Options

4/16/2010 2:24:44 PM

Sync Time	00:00	RTC Set Time	00:00
Transition Mode	Long	Overlap F/O	Disabled
Master Sync Mode	RTC	Master Sync Length	0
Offset Reference	Lead Grn	Dual Entry	Normal
External Plan Max	0		
Hardwire No Match	Sched	Hardwire Sync Fail	0
Override Omit/Recall	No		

Phases	1-8	9-16
No Trans Recall		
Trans Ped Recall		
Trans Phases		

Alhambra & J Street

Coordination Pattern 1

4/16/2010 2:24:44 PM

Cycle: 70 | Ringgroup 1 - Offset 1: 11 | Offset 2: 0 | Offset 3: 0

Ringgroup 2 - Offset 1: 0 | Offset 2: 0 | Offset 3: 0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	19	19	10	22	0	38	0	32	0	0	0	0	0	0	0	0
Split Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	19	18	10	22	0	19	0	21	0	0	0	0	0	0	0	0
Max Trans Split	30	30	20	30	0	30	0	30	0	0	0	0	0	0	0	0

Permissive Mode: Sing Band | Max Mode: Max Inh | Walk Rest: Yield

Ped Permissive: Yield

Permissive Limit: 0 | Alt Sequence: | TOD Link: 0

Phases/Overlaps	1-8	9-16
Coord Phases	1, 6	
No Extend		
Float Enable		
Veh = Ped Perm		
Walk Rest		
Ped Recall		
Cond Ped Call		
Olap Ped Recall		
Ped Recycle		
Min Recall		
Max Recall		
Cond Serv		
Veh Omit		
Ped Omit		
Olap Omit		
Reservice		
Max Inhibit		

Disable Priority	
Progression Phases	
Priority Alt Seq	

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Coordination Pattern 1

4/16/2010 2:24:44 PM

Alternate Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Alt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Early Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Delay Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Alhambra & J Street

Coordination Pattern 2

4/16/2010 2:24:44 PM

Cycle	80	Ringgroup 1 - Offset 1	11	Offset 2	0	Offset 3	0
		Ringgroup 2 - Offset 1	0	Offset 2	0	Offset 3	0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	32	20	8	20	0	52	0	28	0	0	0	0	0	0	0	0
Split Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	25	20	8	20	0	52	0	28	0	0	0	0	0	0	0	0
Max Trans Split	35	25	15	25	0	55	0	30	0	0	0	0	0	0	0	0

Permissive Mode	Sing Band	Max Mode	Max Inh	Walk Rest	Yield
Ped Permissive	Yield				
Permissive Limit	0	Alt Sequence		TOD Link	0

Phases/Overlaps	1-8								9-16							
Coord Phases	1				6											
No Extend																
Float Enable																
Veh = Ped Perm																
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv																
Veh Omit																
Ped Omit																
Olap Omit																
Reservice																
Max Inhibit																

Disable Priority								
Progression Phases								
Priority Alt Seq								

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Coordination Pattern 2

4/16/2010 2:24:44 PM

Alternate Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Alt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Early Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Delay Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Alhambra & J Street

Coordination Pattern 3

4/16/2010 2:24:44 PM

Cycle [70] Ringgroup 1 - Offset 1 [11] Offset 2 [0] Offset 3 [0]

Ringgroup 2 - Offset 1 [0] Offset 2 [0] Offset 3 [0]

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	25	17	8	20	0	42	0	28	0	0	0	0	0	0	0	0
Split Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	16	18	9	23	0	19	0	17	0	0	0	0	0	0	0	0
Max Trans Split	25	25	15	25	0	19	0	17	0	0	0	0	0	0	0	0

Permissive Mode [Sing Band] Max Mode [Max Inh] Walk Rest [Yield]

Ped Permissive [Yield]

Permissive Limit [0] Alt Sequence [ ] TOD Link [0]

Phases/Overlaps	1-8								9-16							
Coord Phases	1					6										
No Extend																
Float Enable																
Veh = Ped Perm																
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv																
Veh Omit																
Ped Omit																
Olap Omit																
Reservice																
Max Inhibit																

Disable Priority [ ]

Progression Phases [ ] [ ]

Priority Alt Seq [ ]

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Coordination Pattern 3

4/16/2010 2:24:44 PM

Alternate Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Alt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Early Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Delay Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Alhambra & J Street

Preempt Inputs

4/16/2010 2:24:44 PM

Preempt Input	1	2	3	4	5	6	7	8	9	10
Delay	0	0	0	0	0	0	0	0	0	0
Checkout Limit	0	0	0	0	0	0	0	0	0	0
Locked	No	No	No	No	No	No	No	No	No	No
Interlock	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Input Number	1	2	3	4	0	0	0	0	0	0
Input Priority	All	All	All	All	All	All	All	All	All	All

Preempt Priority

Preempt	1	2	3	4	5	6	7	8	9	10
Priority	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Preempt 1 (Configuration)

4/16/2010 2:24:44 PM

Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases	1 2 3 4 6 8	
Preempt Inputs	1	

	1-8
LRV Disable	
LRV Disable Max	0
LRV Dwell Flash	1-8

Preempt 1 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Dwell Veh Phases	1	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	1	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	1 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	0		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

Alhambra & J Street

Preempt 2 (Configuration)

4/16/2010 2:24:44 PM

Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases	1 2 3 4 6 8	
Preempt Inputs	2	

	1-8
LRV Disable	
LRV Disable Max	0
LRV Dwell Flash	

Preempt 2 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Dwell Veh Phases	2	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	2	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	1 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	0		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

Alhambra & J Street

Preempt 3 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases	1 2 3 4 6 8	
Preempt Inputs	3	

	1-8
LRV Disable	
LRV Disable Max	0
	1-8
LRV Dwell Flash	

Preempt 3 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Dwell Veh Phases	3 8	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	3 8	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	1 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	0		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

Alhambra & J Street

TOD Pattern Events

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	Time	DOW							Holidays								Mode	Pattern	Offset
Event 1	06:00	S	M	T	W	T	F	S									Sched	3	1
Event 2	07:00		M	T	W	T	F										Sched	3	1
Event 3	09:00		M	T	W	T	F										Sched	2	1
Event 4	15:30		M	T	W	T	F										Sched	2	1
Event 5	18:00	S	M	T	W	T	F	S									Sched	3	1
Event 6	00:00																Sched	0	0
Event 7	00:00																Sched	0	0
Event 8	00:00																Sched	0	0
Event 9	00:00																Sched	0	0
Event 10	00:00																Sched	0	0
Event 11	00:00																Sched	0	0
Event 12	00:00																Sched	0	0
Event 13	00:00																Sched	0	0
Event 14	00:00																Sched	0	0
Event 15	00:00																Sched	0	0
Event 16	00:00																Sched	0	0
Event 17	00:00																Sched	0	0
Event 18	00:00																Sched	0	0
Event 19	00:00																Sched	0	0
Event 20	00:00																Sched	0	0
Event 21	00:00																Sched	0	0
Event 22	00:00																Sched	0	0
Event 23	00:00																Sched	0	0
Event 24	00:00																Sched	0	0
Event 25	00:00																Sched	0	0
Event 26	00:00																Sched	0	0
Event 27	00:00																Sched	0	0
Event 28	00:00																Sched	0	0
Event 29	00:00																Sched	0	0
Event 30	00:00																Sched	0	0
Event 31	00:00																Sched	0	0
Event 32	00:00																Sched	0	0

Alhambra & J Street

332/336 Outputs (Connector C1S)

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	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehYel	VehGrn
Index	4	4	4	4	4	3	3	3
	Pin 10	Pin 11	Pin 12	Pin 13	Pin 15	Pin 16	Pin 17	Pin 18
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehYel	VehGrn
Index	1	1	2	2	2	1	1	1
	Pin 19	Pin 20	Pin 21	Pin 22	Pin 23	Pin 24	Pin 25	Pin 26
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehRed	VehRed
Index	8	8	8	8	8	0	0	0
	Pin 27	Pin 28	Pin 29	Pin 30	Pin 31	Pin 32	Pin 33	Pin 34
Output	DntWlk	Walk	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	6	6	0	0	0	0	0	0
	Pin 35	Pin 36	Pin 37	Pin 38	Pin 83	Pin 84	Pin 85	Pin 86
Output	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	0	0	0	0	0	0	0	0
	Pin 87	Pin 88	Pin 89	Pin 90	Pin 91	Pin 93	Pin 94	Pin 95
Output	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	0	0	0	0	0	0	0	0
	Pin 96	Pin 97	Pin 98	Pin 99	Pin 100	Pin 101	Pin 102	Pin 103
Output	VehRed	VehRed	VehRed	VehRed	VehRed	Flash	VehRed	VehRed
Index	0	0	0	0	0	1	0	0

332/336 Outputs (Connector C11S)

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
Output	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	0	0	0	0	0	0	0	0

Alhambra & J Street

332/336 Inputs (Connector C1S)

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	Pin 39	Pin 40	Pin 41	Pin 42	Pin 43	Pin 44	Pin 45	Pin 46
Input	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet
Index	2	6	4	8	2	6	4	8

	Pin 47	Pin 48	Pin 49	Pin 50	Pin 51	Pin 52	Pin 53	Pin 54
Input	VehDet	VehDet	VehDet	VehDet	None	None	None	None
Index	2	6	4	8	0	0	0	0

	Pin 55	Pin 56	Pin 57	Pin 58	Pin 59	Pin 60	Pin 61	Pin 62
Input	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet
Index	5	1	7	3	5	1	7	3

	Pin 63	Pin 64	Pin 65	Pin 66	Pin 67	Pin 68	Pin 69	Pin 70
Input	VehDet	VehDet	VehDet	VehDet	PedDet	PedDet	PedDet	PedDet
Index	2	6	4	8	2	6	4	8

	Pin 71	Pin 72	Pin 73	Pin 74	Pin 75	Pin 76	Pin 77	Pin 78
Input	Preempt	Preempt	Preempt	Preempt	None	VehDet	VehDet	VehDet
Index	3	1	4	2	0	2	4	6

	Pin 79	Pin 80	Pin 81	Pin 82
Input	VehDet	None	LocFlash	StopTm
Index	8	0	1	1

332/336 Inputs (Connector C11S)

	Pin 10	Pin 11	Pin 12	Pin 13	Pin 15	Pin 16	Pin 17	Pin 18
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin 19	Pin 20	Pin 21	Pin 22	Pin 23	Pin 24	Pin 25	Pin 26
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

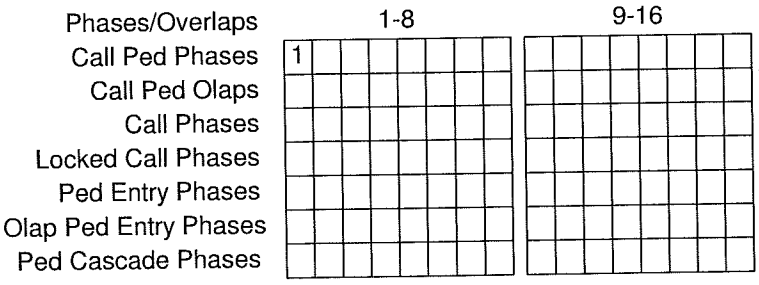
	Pin 27	Pin 28	Pin 29	Pin 30
Input	None	None	None	None
Index	0	0	0	0

Alhambra & J Street

4/16/2010 2:24:44 PM

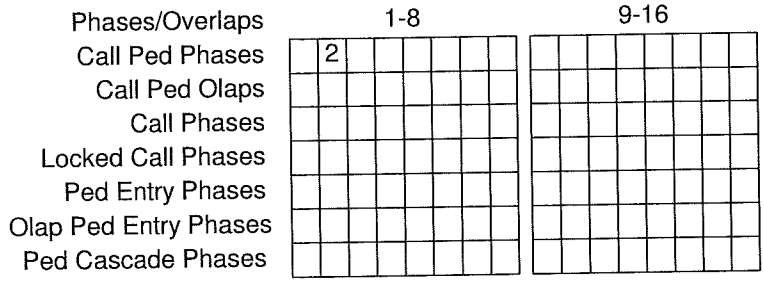
Pedestrian Detector 1

No Act [0] Max Pres [0] Erratic [0]



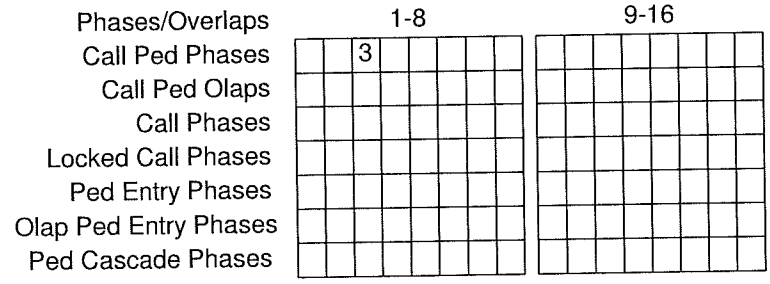
Pedestrian Detector 2

No Act [0] Max Pres [0] Erratic [0]



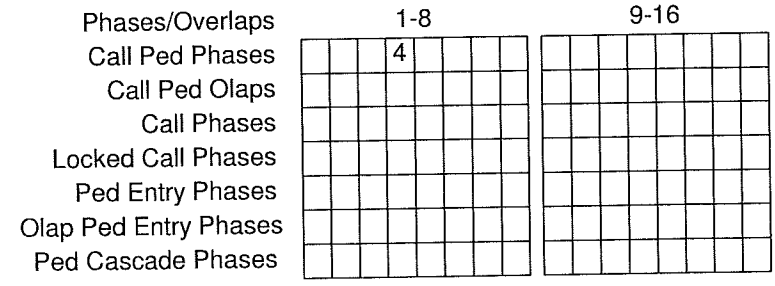
Pedestrian Detector 3

No Act [0] Max Pres [0] Erratic [0]



Pedestrian Detector 4

No Act [0] Max Pres [0] Erratic [0]



Alhambra & J Street

Control / Config

4/16/2010 2:24:44 PM

Pattern Mode: Sched

Manual Pattern: 0 Manual Offset: 0

Stop Time Input: Enabled

Aux Switch: StopTm 1

DLS Mode: Off Time Zone: Pac (UTC-8)

Password Timeout: 5

	1-8	9-16
Maint Phs Recalls		
Maint Ped Recalls		

Serial 1 Port Configuration

Broadcast Plan/Sync: Disabled Broadcast Time: 00:00

Serial Rebroadcast: Disabled Response: None

Serial 2 Port Configuration

Broadcast Plan/Sync: Disabled Broadcast Time: 00:00

Ethernet Port Configuration

Broadcast Plan/Sync: Disabled Broadcast Time: 00:00

Serial Rebroadcast: Disabled

Peer Configuration

Peer 1: 0

Peer 2: 0

Peer 3: 0

Peer 4: 0

Peer 5: 0

Peer 6: 0

Peer 7: 0

Peer 8: 0

Alhambra & J Street

Restricted Data

4/16/2010 2:24:44 PM

(Serial Ports)

Serial Port 1: 4

Baud Rate: 9600 | 8N1 — RTS On: 0 — RTS Off: 0

Serial Port 2: 0

Baud Rate: 9600 | 8N1 — RTS On: 0 — RTS Off: 0

(Ethernet)

IP Address: 192. 167. 4. 35

Netmask: 255. 255. 255. 0

Broadcast Address: 0. 0. 0. 0

Gateway: 192. 167. 4. 1

Port: 161 — Reply Mode: Host

Broadcast Port: 0 — Response: Time/Plan

Time Port: 0

(General)

Controller Address: 1 — Timeout: 0

Peer Address: 0 — Timeout: 0

Remote Calls: Disabled

Remote Preempt: Disabled

Remote Soft Preempt: Disabled

Remote Priority: Disabled

Remote MCE: Disabled — MCE Max: 0

2070 D-4

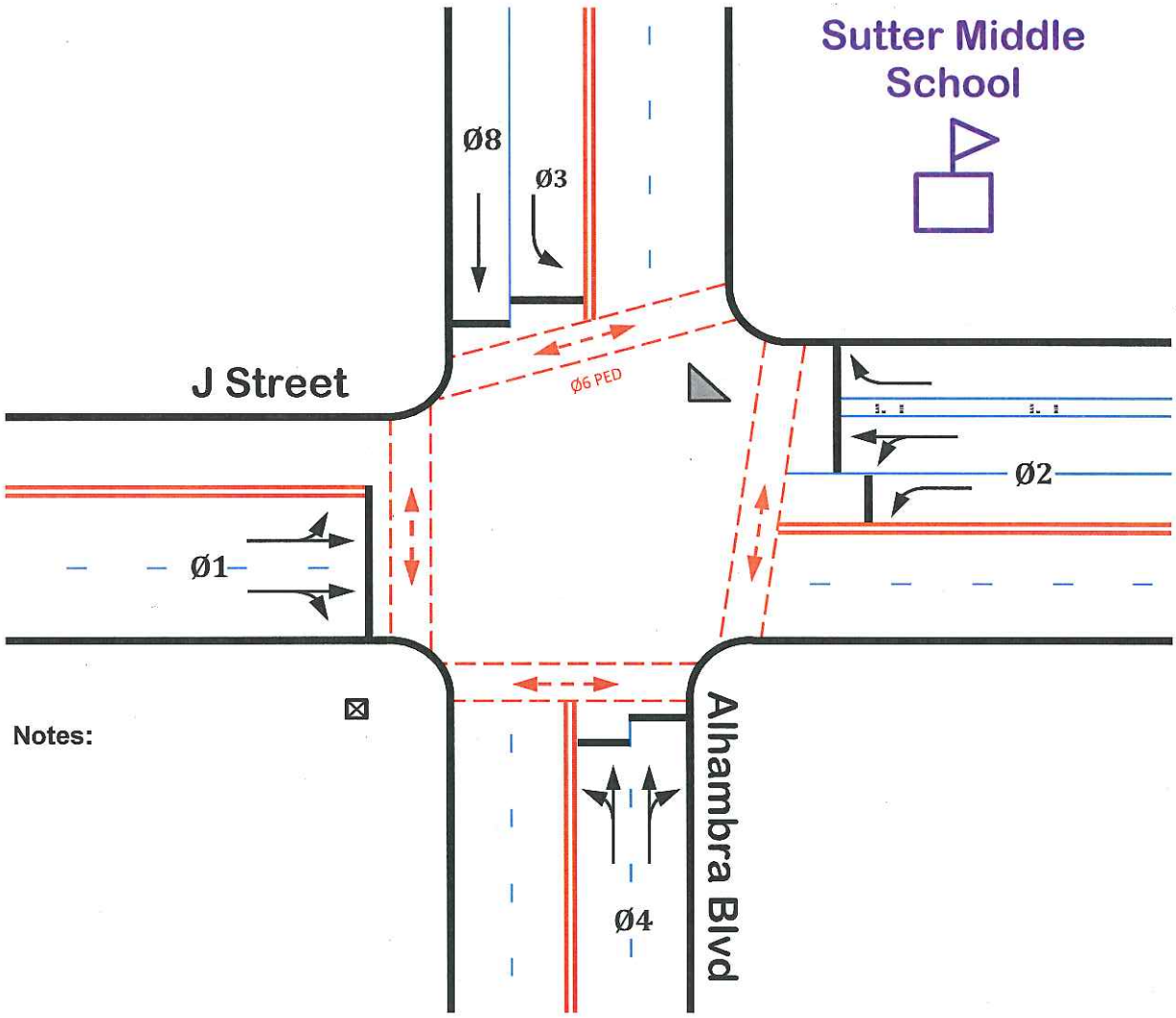
TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

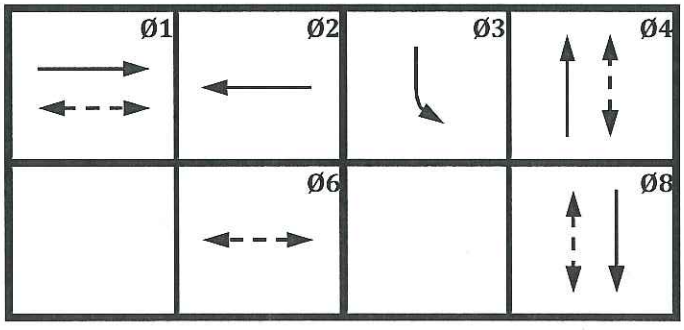
N/S Alhambra Blvd **E/W** J Street

Intersection #: 116 System: _____ IP Address: _____

Device ID: _____ Channel: _____ Drop #: _____

Reviewed: [signature] Approved: [signature] Date Implemented: 12/21/12





Alhambra & J Street

Phase Timing

12/21/2012 2:10:49 PM

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Min Green	8	8	4	8	0	4	0	8	0	0	0	0	0	0	0	0
Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Green 1	35	20	12	19	0	19	0	17	0	0	0	0	0	0	0	0
Max Green 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
Max Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yellow	3.7	3.5	3.5	3.7	0.0	3.5	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk	4	0	0	4	0	4	0	4	0	0	0	0	0	0	0	0
Ped Clr	11	0	0	14	0	15	0	11	0	0	0	0	0	0	0	0
Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Early Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Added	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce After	0	0	0	0	0	0	0	0	0	8	0	0	0	8	0	8
TTReduce	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	10
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0	4.0
Neg Ped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AP Disc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Phase Options

12/21/2012 2:10:49 PM

Phases	1-8								9-16							
Min Recalls	1	2	3	4		6		8								
Max Recalls	1	2	3	4		6		8								
Ped Recalls	1			4		6		8								
Soft Recall																
Dual Entry																
Red Rest																
Walk Rest																
Walk Expand	1			4		6		8								
Ped Recycle																
No Simult Gap																
Yel Lock																
Red Lock																
PhaseNext Lock																
No Term Call																
Cond Serv																
CS Enable																
Cond Reserve																
Reserve																
Veh Omit																
Ped Omit																
Perm Phase																
Protect Calls																
Flash Entry																
Flash Exit																
Flash Exit Yel																
Flash Exit Red																
Ped Scramble																
No Min Yel																
No Min Red Rev																
Max Scramble Walk																
Flash Yellow																
CNA 1																
CNA 2																

Alhambra & J Street

Phase Startup Options

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Startup Flash	4	Mode	Yel->Red
Startup All Red	4	Yellow	0.0

Phases	1-8							9-16							
Startup Phases				4			8								
Startup Yellow				4			8								
Startup Red															
Startup No Walk															
Startup Next															
No Veh Call															
No Ped Call															

Phase Startup Timing

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Start Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Ring Sequence / Conflicting Phases

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Ringgroup 1

Ring 1	1	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0
Ring 2	0	6	0	8	0	0	0	0	0	0	0	0	0	0	0	0

Ringgroup 2

Custom Sequences

Seq 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Conflicting Phases

	1-8	9-16
Phase 1		
Phase 2		
Phase 3		
Phase 4		
Phase 5		
Phase 6		
Phase 7		
Phase 8		
Phase 9		
Phase 10		
Phase 11		
Phase 12		
Phase 13		
Phase 14		
Phase 15		
Phase 16		

Alhambra & J Street

Coordination Options

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Sync Time	00:00	RTC Set Time	00:00
Transition Mode	Long	Overlap F/O	Disabled
Master Sync Mode	RTC	Master Sync Length	0
Offset Reference	Lead Grn	Dual Entry	Normal
External Plan Max	0		
Hardwire No Match	Sched	Hardwire Sync Fail	0
Override Omit/Recall	No		

Phases	1-8	9-16
No Trans Recall		
Trans Ped Recall		
Trans Phases		

Alhambra & J Street

Coordination Pattern 1

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Cycle	70	Ringgroup 1 - Offset 1	11	Offset 2	0	Offset 3	0
		Ringgroup 2 - Offset 1	0	Offset 2	0	Offset 3	0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	19	19	10	22	0	38	0	32	0	0	0	0	0	0	0	0
Split Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Trans Split	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Permissive Mode	Sing Band	Max Mode	Max Inh	Walk Rest	Yield
Ped Permissive	Yield				
Permissive Limit	0	Alt Sequence		TOD Link	0

Phases/Overlaps	1-8								9-16							
Coord Phases	1					6										
No Extend																
Float Enable																
Veh = Ped Perm																
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv																
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority		
Progression Phases		
Priority Alt Seq		
Reserve Extend		

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Coordination Pattern 2

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Cycle	80	Ringgroup 1 - Offset 1	11	Offset 2	0	Offset 3	0
		Ringgroup 2 - Offset 1	0	Offset 2	0	Offset 3	0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	30	20	8	22	0	50	0	30	0	0	0	0	0	0	0	0
Split Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Trans Split	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Permissive Mode	Sing Band	Max Mode	Max Inh	Walk Rest	Yield
Ped Permissive	Yield				
Permissive Limit	0	Alt Sequence		TOD Link	0

Phases/Overlaps	1-8								9-16							
Coord Phases	1				6											
No Extend																
Float Enable																
Veh = Ped Perm																
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv																
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority																
Progression Phases																
Priority Alt Seq																
Reserve Extend																

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Coordination Pattern 3

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Cycle	70	Ringgroup 1 - Offset 1	11	Offset 2	0	Offset 3	0
		Ringgroup 2 - Offset 1	0	Offset 2	0	Offset 3	0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	23	17	8	22	0	40	0	30	0	0	0	0	0	0	0	0
Split Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Trans Split	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Permissive Mode	Sing Band	Max Mode	Max Inh	Walk Rest	Yield
Ped Permissive	Yield				
Permissive Limit	0	Alt Sequence		TOD Link	0

Phases/Overlaps	1-8								9-16							
Coord Phases	1				6											
No Extend																
Float Enable																
Veh = Ped Perm																
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv																
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority		
Progression Phases		
Priority Alt Seq		
Reserve Extend		

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Preempt Inputs

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Preempt Input	1	2	3	4	5	6	7	8	9	10
Delay	0	0	0	0	0	0	0	0	0	0
Checkout Limit	55	55	55	55	0	0	0	0	0	0
Locked	No	No	No	No	No	No	No	No	No	No
Interlock	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Input Number	1	2	3	4	0	0	0	0	0	0
Input Priority	All	All	All	All	All	All	All	All	All	All
Delay Mode	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp

Preempt Priority

Preempt	1	2	3	4	5	6	7	8	9	10
Priority	0	0	0	0	0	0	0	0	0	0

Alhambra & J Street

Preempt 1 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	1	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 1 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	1	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	1	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	1 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	0		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

Alhambra & J Street

Preempt 2 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	2	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 2 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	2	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	2	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	1 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	0		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

Alhambra & J Street

Preempt 3 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	3	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash			
LRV Omit		Delay	0

Preempt 3 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	3, 8	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	3, 8	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	1, 4, 6, 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	0		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

Alhambra & J Street

Preempt 4 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	4	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash			
LRV Omit		Delay	0

Preempt 4 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	4	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	4	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	1 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	0		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

Alhambra & J Street

TOD Pattern Events

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	Time	DOW							Holidays								Mode	Pattern	Offset
Event 1	06:00	S	M	T	W	T	F	S									Sched	3	1
Event 2	07:00		M	T	W	T	F										Sched	2	1
Event 3	09:00		M	T	W	T	F										Sched	3	1
Event 4	15:00		M	T	W	T	F										Sched	2	1
Event 5	18:00	S	M	T	W	T	F	S									Sched	3	1
Event 6	00:00																Sched	0	0
Event 7	00:00																Sched	0	0
Event 8	00:00																Sched	0	0
Event 9	00:00																Sched	0	0
Event 10	00:00																Sched	0	0
Event 11	00:00																Sched	0	0
Event 12	00:00																Sched	0	0
Event 13	00:00																Sched	0	0
Event 14	00:00																Sched	0	0
Event 15	00:00																Sched	0	0
Event 16	00:00																Sched	0	0
Event 17	00:00																Sched	0	0
Event 18	00:00																Sched	0	0
Event 19	00:00																Sched	0	0
Event 20	00:00																Sched	0	0
Event 21	00:00																Sched	0	0
Event 22	00:00																Sched	0	0
Event 23	00:00																Sched	0	0
Event 24	00:00																Sched	0	0
Event 25	00:00																Sched	0	0
Event 26	00:00																Sched	0	0
Event 27	00:00																Sched	0	0
Event 28	00:00																Sched	0	0
Event 29	00:00																Sched	0	0
Event 30	00:00																Sched	0	0
Event 31	00:00																Sched	0	0
Event 32	00:00																Sched	0	0

Alhambra & J Street

332/336 Outputs (Connector C1S)

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	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehYel	VehGrn
Index	4	4	4	4	4	3	3	3
	Pin 10	Pin 11	Pin 12	Pin 13	Pin 15	Pin 16	Pin 17	Pin 18
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehYel	VehGrn
Index	1	1	2	2	2	1	1	1
	Pin 19	Pin 20	Pin 21	Pin 22	Pin 23	Pin 24	Pin 25	Pin 26
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehRed	VehRed
Index	8	8	8	8	8	0	0	0
	Pin 27	Pin 28	Pin 29	Pin 30	Pin 31	Pin 32	Pin 33	Pin 34
Output	DntWlk	Walk	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	6	6	0	0	0	0	0	0
	Pin 35	Pin 36	Pin 37	Pin 38	Pin 83	Pin 84	Pin 85	Pin 86
Output	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	0	0	0	0	0	0	0	0
	Pin 87	Pin 88	Pin 89	Pin 90	Pin 91	Pin 93	Pin 94	Pin 95
Output	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	0	0	0	0	0	0	0	0
	Pin 96	Pin 97	Pin 98	Pin 99	Pin 100	Pin 101	Pin 102	Pin 103
Output	VehRed	VehRed	VehRed	VehRed	VehRed	Flash	VehRed	VehRed
Index	0	0	0	0	0	1	0	0

332/336 Outputs (Connector C11S)

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
Output	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	0	0	0	0	0	0	0	0

Alhambra & J Street

332/336 Inputs (Connector C1S)

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	Pin 39	Pin 40	Pin 41	Pin 42	Pin 43	Pin 44	Pin 45	Pin 46
Input	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet
Index	2	6	4	8	2	6	4	8
	Pin 47	Pin 48	Pin 49	Pin 50	Pin 51	Pin 52	Pin 53	Pin 54
Input	VehDet	VehDet	VehDet	VehDet	None	None	None	None
Index	2	6	4	8	0	0	0	0
	Pin 55	Pin 56	Pin 57	Pin 58	Pin 59	Pin 60	Pin 61	Pin 62
Input	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet
Index	5	1	7	3	5	1	7	3
	Pin 63	Pin 64	Pin 65	Pin 66	Pin 67	Pin 68	Pin 69	Pin 70
Input	VehDet	VehDet	VehDet	VehDet	PedDet	PedDet	PedDet	PedDet
Index	2	6	4	8	2	6	4	8
	Pin 71	Pin 72	Pin 73	Pin 74	Pin 75	Pin 76	Pin 77	Pin 78
Input	Preempt	Preempt	Preempt	Preempt	None	VehDet	VehDet	VehDet
Index	3	1	4	2	0	2	4	6
	Pin 79	Pin 80	Pin 81	Pin 82				
Input	VehDet	None	LocFlash	StopTm				
Index	8	0	1	1				

332/336 Inputs (Connector C11S)

	Pin 10	Pin 11	Pin 12	Pin 13	Pin 15	Pin 16	Pin 17	Pin 18
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0
	Pin 19	Pin 20	Pin 21	Pin 22	Pin 23	Pin 24	Pin 25	Pin 26
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0
	Pin 27	Pin 28	Pin 29	Pin 30				
Input	None	None	None	None				
Index	0	0	0	0				

Alhambra & J Street

Cabinet / MMU Configuration

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Cabinet Type	332/336
MMU Disable	No

	1-8	9-16
MMU Channel Ignore		
Det BIU 1-No Fail Call		
Det BIU 2-No Fail Call		
Alt LS Flash		
Alt Phase Flash		
Alt Overlap Flash		
Alt LRV Flash		

	1-8	9-16	17-24	25-32
CMU Channel Ignore				

	1-8	9-16	17-24
Det IASM1-Det Diag			

	1-8	9-16	17-24
Det IASM2-Det Diag			

Phase / Overlap Outputs

	Phase	Overlap
1	Normal	Normal
2	Normal	Normal
3	Normal	Normal
4	Normal	Normal
5	Normal	Normal
6	Normal	Normal
7	Normal	Normal
8	Normal	Normal
9	Normal	Normal
10	Normal	Normal
11	Normal	Normal
12	Normal	Normal
13	Normal	Normal
14	Normal	Normal
15	Normal	Normal
16	Normal	Normal

LRV Outputs

	LRV
1	2 Head
2	2 Head
3	2 Head
4	2 Head
5	2 Head
6	2 Head
7	2 Head
8	2 Head

Alhambra & J Street

Vehicle Detector 1

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Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	1	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	1	
XSwitch Phases		

Vehicle Detector 2

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

Alhambra & J Street

Vehicle Detector 3

12/21/2012 2:10:49 PM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases			3													
Yellow Lock Phases																
Red Lock Phases																
Extend Phases			3													
XSwitch Phases																

Vehicle Detector 4

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases				4												
Yellow Lock Phases																
Red Lock Phases																
Extend Phases				4												
XSwitch Phases																

Alhambra & J Street

Vehicle Detector 5

12/21/2012 2:10:49 PM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases					5											
Yellow Lock Phases																
Red Lock Phases																
Extend Phases					5											
XSwitch Phases																

Vehicle Detector 6

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases						6										
Yellow Lock Phases																
Red Lock Phases																
Extend Phases						6										
XSwitch Phases																

Alhambra & J Street

Vehicle Detector 7

12/21/2012 2:10:49 PM

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	7	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	7	
XSwitch Phases		

Vehicle Detector 8

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	8	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	8	
XSwitch Phases		

Alhambra & J Street

Pedestrian Detector 1

12/21/2012 2:10:49 PM

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	1	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 2

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	2	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 3

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	3	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 4

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	4	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Alhambra & J Street

Pedestrian Detector 5

12/21/2012 2:10:49 PM

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	5	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 6

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	6	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 7

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	7	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 8

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	8	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Alhambra & J Street

Control / Config

12/21/2012 2:10:49 PM

Pattern Mode	Sched		
Manual Pattern	0	Manual Offset	0
Stop Time Input	Enabled		
Aux Switch	StopTm		5
DLS Mode	Off	Time Zone	Pac (UTC-8)
Password Timeout	5		

	1-8	9-16
Maint Phs Recalls		
Maint Ped Recalls		

Serial 1 Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00
Serial Rebroadcast	Disabled	Response	None

Serial 2 Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00

Ethernet Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00
Serial Rebroadcast	Disabled		

Peer Configuration

Peer 1	0
Peer 2	0
Peer 3	0
Peer 4	0
Peer 5	0
Peer 6	0
Peer 7	0
Peer 8	0

Alhambra & J Street

Restricted Data 12/21/2012 2:10:49 PM

(Serial Ports)

Serial Port 1	4					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0
Serial Port 2	0					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0

(Ethernet)

IP Address	172. 31. 14. 250		
Netmask	255. 255. 254. 0		
Broadcast Address	0. 0. 0. 0		
Gateway	172. 31. 14. 254		
Port	161	Reply Mode	Host
Broadcast Port	0	Response	Time/Plan
Time Port	0		

(General)

Controller Address	1	Timeout	0
Peer Address	0	Timeout	0
Remote Calls	Disabled		
Remote Preempt	Disabled		
Remote Soft Preempt	Disabled		
Remote Priority	Disabled		
Remote MCE	Disabled	MCE Max	0

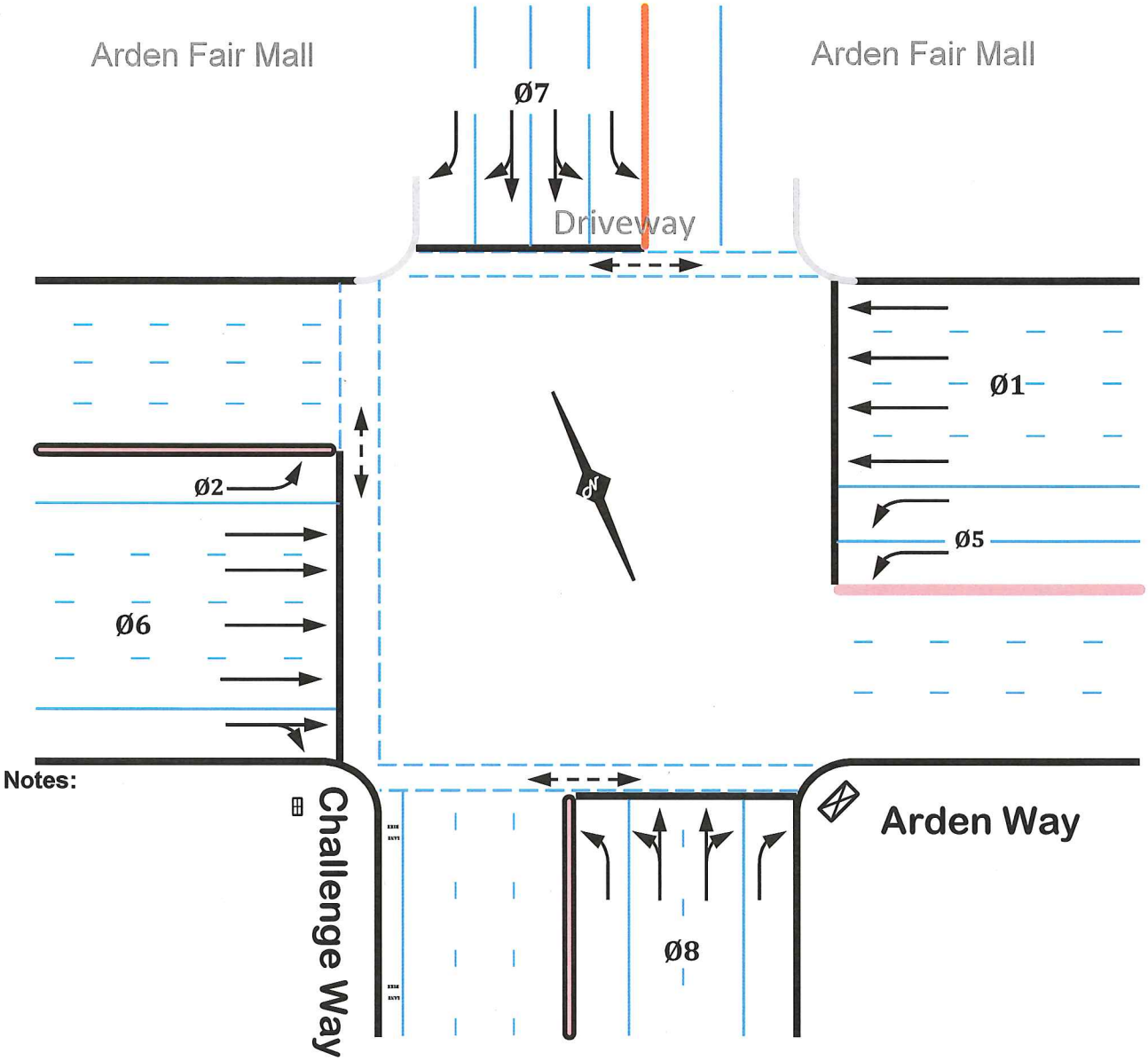
ECONOLITE ASC/2

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

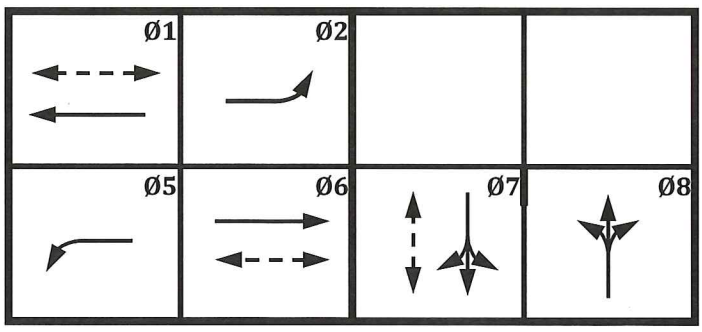
N/S Challenge Way **E/W** Arden Way

Intersection #: 255 System _____ IP Address: _____

Device ID: _____ Channel: _____ Drop #: _____



Notes:



Econolite ASC/2

CITY OF SACRAMENTO

PHASE TIMING

REVIEWED: Mel/SMB **APPROVED:** 12/19/11 **DATE IMPLEMENTED:** 2/10/12

Compiled by: Wys

Controller Timing Data

Key: (F1)-2-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Min Green	9	12			12	9	12	13				
Bike Green												
CndSrv MinGrn												
Walk	7					7	7					
Ped Clr	13					14	26					
Veh Ext	3.9	2.0			2.0	3.9	2.0	2.0				
Veh Ext 2												
Max Ext												
Max1	64	30			30	64	30	50				
Max2												
Max3												
Det Max												
Yellow	4.3	3.5			3.5	4.3	3.5	3.7				
Red Clr	0.3	1.2			1.2	0.4	1.1	1.1				
Red Rvt												
Act B4 Init												
Sec/Actuation												
Max Initial												
Time B4 Reduct												
Cars Wt												
Time To Reduce												
Min Gap												

Controller Option Data

Key: (F1)-2-9

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Guar Passage												
NonActuated I												
NonActuated II												
Dual Entry												
Cond Service		2			5							
Cond Reservice												
Rest in Walk												
Flashing Walk												

Five Section Left Turn Heads	5-2:		7-4:		1-6:	
	3-8:		11-10:		9-12:	

Dual Entry	ON	Backup Protection Grp 1	OFF
Cond Service Enable		Backup Protection Grp 2	OFF
Cond Service Det X Switch		Backup Protection Grp 3	OFF
Ped Clr Protect	ON	Simul Gap Grp 1	ON
Spec Pre OVL Flash	OFF	Simul Gap Grp 2	ON
Lock Det in Red		Simul Gap Grp 3	ON
Reserved		unitBackup Time	
Reserved		unitRed Revert	

Controller Recall Data

Key: (F1)-2-4

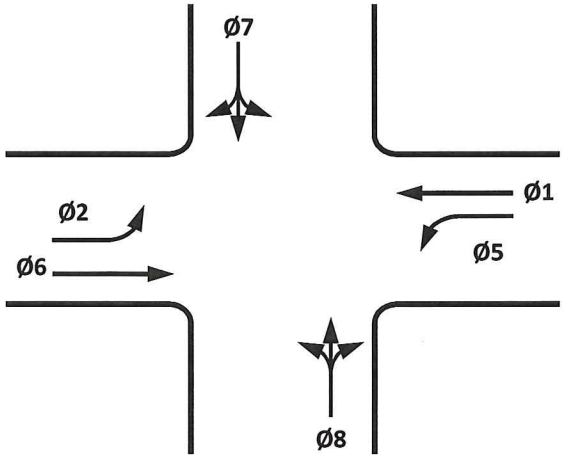
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Locking Memory						6						
Vehicle Recall	1					6						
Ped Recall												
Recall to Max												
Soft Recall												
Don't Rest Here												
Ped Dark N/Call												

Controller Start/Flash Data

Key: (F1)-2-6

Phase	1	2	3	4	5	6	7	8	9	10	11	12
ø's Startup	1					6						
Entry Rem Flash												
Exit Rem Flash												
Rem Flash Yello												
Flsh Together ø		2		4		6		8		10		12
Flsh Tgther OV	A:		B:		C:		D:					

Startup Intvl Rng1	Yellow
Startup Intvl Rng2	Yellow
Power Start All Red	6 sec
Power Start Flash	
Remote Flash Options	
Out of Flash Yellow	Yes
Out of Flash All Red	
Minimum Recall	Yes
Spare	
Flash Thru Ld Switch	
Cycle Thru Phases	



CITY OF SACRAMENTO

CONFIGURATION

Controller Sequence — Key: (F1)-1-1

Priority	1	2	3	4	5	6	7	8	9	10	11	12
Ring 1	2	1			9	10	0	0	0	0	0	0
Ring 2	5	6	7	8	11	12	0	0	0	0	0	0
CG Barrier	.	^	.	^	.	^	.	.	.	.	.	.

Phases in Use — Key: (F1)-1-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Phases in Use	1	2			5	6	7	8	.	.	.	.
Exclusive Ped	.	.	.	.	.	.	.	.	.	.	.	.

SDLC Options — Key: (F1)-1-4

BIU Number	1	2	3	4	5	6	7	8
Term & Facil								
Detector Rack								

Type 2 Runs as Type 1	.
MMU Disable	X
Diagnostic Enable	.
Peer to Peer Enable	.

Peer to Peer Addresses										
1)	255	2)	255	3)	255	4)	255	5)	255	
6)	255	7)	255	8)	255	9)	255	10)	255	

NEW CONTROLLER SHOULD BE DEFAULTED BEFORE INSTALLATION

To Default Controller: (F1)-8-2 Select All Press ENTER

(F1)-8-1-3 Select All Press ENTER

Ped Timing Carryover

Key: (F1)-2-3

Phase	Carryover
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0

Port 2 — Key: (F1)-1-5

Port 2 Protocol	TERMNL
Port 2 Enable	NO
Data Rate (bps)	9600
Data, Parity, Stop	8, N, 1
NTCIP Address	0
NTCIP Grp Address	0
NTCIP Resp Delay	0
NTCIP Sgl Flg Enal	NO
NTCIP BackUp Tim	0
NTCIP Drop-Out Time	0
Port2 Drop-Out Tim	0
NTCIP RTS Timing	NO
NTCIP RTS to CTS Dlay	0
NTCIP RTS TurnOff Dla	0
NTCIP Early RTS	NO

Port 3 — Key: (F1)-1-6

Port 3 Protocol	TCPIP
Port 3 Enable	YES
Port 3 millisec Timing	NO
Port 3 RTS to CTS Delay	0
Port 3 RTS TurnOff Delay	0
Duplex -Half or Full	FULL
Modem Data Rate (bps)	13.2k
Data, Parity, Stop	8, N, 1
Telemetry Address	1
System Detector 9-16 Add	
Telemtry Response Delay	1
NTCIP Address	0
NTCIP Grp Address	0
NTCIP Resp Delay	0
NTCIP Single Flag Enable	NO
NTCIP BackUp Time	0
Port 3 Drop-Out Time	0
NTCIP Early RTS	NO

Options — Key: (F1)-1-8

Supervisor Access Code	0
Data Change Acces Code	0
Key Click Enable	NO
Backlight Enable	YES
Request Download	NO

CITY OF SACRAMENTO

OVERLAPS

Controller Overlap Data

Key: (F1)-2-5

OVLP A	1	2	3	4	5	6	7	8	9	10	11	12
Standard												
Protected												
Permitted												
Enable Lag												
Enable Lead												
Spare												

Advance Green Timer	0.0
Lag / Lead Green Timer	0.0
Lag / Lead Yellow Timer	0.0
Lag / Lead Red Timer	0.0

OVLP B	1	2	3	4	5	6	7	8	9	10	11	12
Standard												
Protected												
Permitted												
Enable Lag												
Enable Lead												
Spare												

Advance Green Timer	0.0
Lag / Lead Green Timer	0.0
Lag / Lead Yellow Timer	0.0
Lag / Lead Red Timer	0.0

OVLP C	1	2	3	4	5	6	7	8	9	10	11	12
Standard												
Protected												
Permitted												
Enable Lag												
Enable Lead												
Spare												

Advance Green Timer	0.0
Lag / Lead Green Timer	0.0
Lag / Lead Yellow Timer	0.0
Lag / Lead Red Timer	0.0

OVLP D	1	2	3	4	5	6	7	8	9	10	11	12
Standard												
Protected												
Permitted												
Enable Lag												
Enable Lead												
Spare												

Advance Green Timer	0.0
Lag / Lead Green Timer	0.0
Lag / Lead Yellow Timer	0.0
Lag / Lead Red Timer	0.0

Phase Overlap Assignments

Key: (F1)-2-2

OVLP Phase	Overlap Consists of Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
1	X	.	.	.	.	.	.	.	.	.	.	.
2	.	X	.	.	.	.	.	.	.	.	.	.
3	.	.	X	.	.	.	.	.	.	.	.	.
4	.	.	.	X	.	.	.	.	.	.	.	.
5	.	.	.	.	X	.	.	.	.	.	.	.
6	.	.	.	.	.	X	.	.	.	.	.	.
7	.	.	.	.	.	.	X	.	.	.	.	.
8	.	.	.	.	.	.	.	X	.	.	.	.
9	.	.	.	.	.	.	.	.	X	.	.	.
10	.	.	.	.	.	.	.	.	.	X	.	.
11	.	.	.	.	.	.	.	.	.	.	X	.
12	.	.	.	.	.	.	.	.	.	.	.	X

Ped Overlap Assignments

Key: (F1)-2-5

OVLP Phase	Overlap Consists of Phases											
	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

CITY OF SACRAMENTO

Enable Event Logs Key: (F1)-1-7

Critical RFE's (MMU/TF)	X
NonCritical RFE's (Det/Tst)	X
Detector Errors	X
Coordination Errors	X
MMU Flash Faults	X
Local Flash Faults	X
Preempt	X
Power On/Off	X
Low Battery	X
Spare	.
Alarm 1	.
Alarm 2	.
Alarm 3	.
Alarm 4	.
Alarm 5	.
Alarm 6	.
Alarm 7	.
Alarm 8	.
Alarm 9	.
Alarm 10	.
Alarm 11	.
Alarm 12	.
Alarm 13	.
Alarm 14	.
Alarm 15	.
Alarm 16	.

No Serve Phases Key: (F1)-2-7

Cannot Serve With	12	11	10	9	8	7	6	5	4	3	2
1	.	.	.	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.	.	.	
3	.	.	.	.	.	.	.	.	.		
4	.	.	.	.	.	.	.	.			
5	.	.	.	.	.	.	.				
6	.	.	.	.	.	.					
7	.	.	.	.	.						
8	.	.	.	.							
9	.	.	.								
10	.	.									
11	.										

Phase to Load Sw Assignment Key: (F1)-1-3

Load Switch (MMU) Channel	Signal Driver Group PH/OVL	PED	Load Switch (MMU) Channel	Signal Driver Group PH/OVL	PED
1	1	.	9	2	.
2	2	.	10	4	.
3	3	.	11	6	.
4	4	.	12	8	.
5	5	.	13	13	.
6	6	.	14	14	.
7	7	.	15	15	.
8	8	.	16	16	.

Dimming Key: (F1)-2-8

Load Switch	1	2	3	4	5	6	7	8
Dim Grn/Wlk	.	.	.	.	.	.	.	.
Dim Yell/PdClr	.	.	.	.	.	.	.	.
Dim Red/DWlk	.	.	.	.	.	.	.	.
Load Switch	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Dim Grn/Wlk	.	.	.	.	.	.	.	.
Dim Yell/PdClr	.	.	.	.	.	.	.	.
Dim Red/DWlk	.	.	.	.	.	.	.	.

MMU Program Key: (F1)-1-9

	Can Serve With														
Channel	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
3	.	.	.	.	.	.	.	.	.	.	.	.	.		
4	.	.	.	.	.	.	.	.	.	.	.	.			
5	.	.	.	.	.	.	.	.	.	.	.				
6	.	.	.	.	.	.	.	.	.	.					
7	.	.	.	.	.	.	.	.	.						
8	.	.	.	.	.	.	.	.							
9	.	.	.	.	.	.	.								
10	.	.	.	.	.	.									
11	.	.	.	.	.										
12	.	.	.	.											
13	.	.	.												
14	.	.													
15	.														

CITY OF SACRAMENTO

COORDINATION/TIME OF DAY DATA

Coordinator Options

Key: (F1)-3-1

Split Units	SEC	Actuated Coord ø	X
Offset Units	SEC	Actuated Rest In Wal	.
Interconnect Format	PLAN	Inhibit Max	
Interconnect Source	NIC	Max 2 Select	.
Resync Count	15	Multisync	.
Transition	SMOOTH	Float Force Off	.
Dwell Period	0 sec	A B C D E F	
Free Alternate Sequence		. . . . . .	

Coord Manual and Split Demand

Key: (F1)-3-2

Manual Enable	OFF	Manual Pattern	4								
Split Demand		Demand 1		Demand 2							
Demand Call Time		0		0							
Demand Cycle Count		0		0							
Demand ø	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 ø's	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 ø's	.	.	.	.	.	.	.	.	.	.	.	.

Coord Auto Permissive Min Green

Key: (F1)-3-3

Phase	Perm Min Grn
1	0 sec
2	0 sec
3	0 sec
4	0 sec
5	0 sec
6	0 sec
7	0 sec
8	0 sec
9	0 sec
10	0 sec
11	0 sec
12	0 sec

Clock/ Calendar Data

Key: (F1)-5-1

DATE SET:	0/0/00	Enter Date/Time
TIME SET:	0:00:00	Then Press Enter
Manual NIC Prgrm Step	0	
Manual TOD Prgrm Step	0	
Sync Reference Time	0:00	
Sync Reference	REFERENCE TIME	
Week 1 begins on 1st Sunday	.	
Disable Daylight Savings	.	
DST begins Last Sunday	.	

TOD Yearly Program

Key: (F1)-5-3

Week of Year	1	2	3	4	5	6	7	8
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	9	10	11	12	13	14	15	16
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	17	18	19	20	21	22	23	24
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	25	26	27	28	29	30	31	32
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	33	34	35	36	37	38	39	40
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	41	42	43	44	45	46	47	48
Weekly Program	1	1	1	1	1	1	1	1
Week of Year				49	50	51	52	53
Weekly Program				1	1	1	1	1

TOD Weekly Programs

Key: (F1)-5-2

Week	SU	MO	TU	WE	TH	FR	SA
1	3	1	1	1	1	1	2
2							
3							
4							
5							
6							
7							
8							
9							
10							

CITY OF SACRAMENTO

NIC Program Table

NIC Program Step — Key: (F1)-5-5

Step	Program	Time	Pattern	Override
1	1	7:00	1	
2	1	11:00	2	
3	1	15:15	3	
4	1	19:00	1	
5	1	20:00	0	
6	2	10:00	4	
7	2	11:30	5	
8	2	15:00	5	
9	2	18:30	4	
10	2	20:30	0	
11	3	11:30	4	
12	3	13:30	5	
13	3	17:00	4	
14	3	18:30	0	
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

TOD Holiday Program — Key: (F1)-5-4

Holiday	Float / Fixed	Month	DOW/ DOM	WOM / Year	Program
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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21					
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32					
33					
34					
35					
36					

CITY OF SACRAMENTO

COORDINATION PATTERN TABLES

Coordination Pattern Data **Key: (F1)-3-4**

PLAN FORMAT												
Cycle Length	120	Plan	1									
Offset	61											
SPLITS: BY PHASE	1)	47	2)	17	3)	0	4)	0				
	5)	18	6)	46	7)	38	8)	18				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Pattern	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

PLAN FORMAT												
Cycle Length	132	Plan	2									
Offset	131											
SPLITS: BY PHASE	1)	42	2)	22	3)	0	4)	0				
	5)	22	6)	42	7)	40	8)	28				
	9)		10)		11)		12)					
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Pattern	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

PLAN FORMAT												
Cycle Length	160	Plan	3									
Offset	7											
SPLITS: BY PHASE	1)	59	2)	21	3)	0	4)	0				
	5)	25	6)	55	7)	40	8)	40				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Pattern	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence												

PLAN FORMAT												
Cycle Length	120	Plan	4									
Offset	28											
SPLITS: BY PHASE	1)	42	2)	22	3)	0	4)	0				
	5)	25	6)	39	7)	38	8)	18				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Pattern	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

Alt Sequence: A=switch Ø1 & Ø2 C=switch Ø5 & Ø6 E=switch Ø9 & Ø10
B=switch Ø3 & Ø4 D=switch Ø7 & Ø8 F=switch Ø11 & Ø12

CITY OF SACRAMENTO

COORDINATION PATTERN TABLES

Coordination Pattern Data **Key: (F1)-3-4**

PLAN FORMAT												
Cycle Length	140		Plan	5								
Offset	68											
SPLITS: BY PHASE	1)	56	2)	24	3)	0	4)	0				
	5)	32	6)	48	7)	40	8)	20				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Pattern	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

PLAN FORMAT												
Cycle Length	160		Plan	6								
Offset	156											
SPLITS: BY PHASE	1)	66	2)	30	3)	0	4)	0				
	5)	40	6)	56	7)	40	8)	24				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Pattern	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

PLAN FORMAT												
Cycle Length			Plan	7								
Offset												
SPLITS: BY PHASE	1)	0	2)	0	3)	0	4)	0				
	5)	0	6)	0	7)	0	8)	0				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Pattern	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases												
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

PLAN FORMAT												
Cycle Length			Plan	8								
Offset												
SPLITS: BY PHASE	1)	0	2)	0	3)	0	4)	0				
	5)	0	6)	0	7)	0	8)	0				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Pattern	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases												
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

Alt Sequence: A=switch Ø1 & Ø2 C=switch Ø5 & Ø6 E=switch Ø9 & Ø10
B=switch Ø3 & Ø4 D=switch Ø7 & Ø8 F=switch Ø11 & Ø12

CITY OF SACRAMENTO

PREEMPTION TABLES

Priority Preemptor 2

Key: (F1)-4-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases	1				5							
Exit Phases												
Exit Calls												
Spare												
Term Overlaps	A:	.	B:	.	C:	.	D:	.				

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Tim		Hold			

Priority Preemptor 3

Key: (F1)-4-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases		2				6						
Exit Phases												
Exit Calls												
Spare												
Term Overlaps	A:	.	B:	.	C:	.	D:	.				

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Tim		Hold			

Priority Preemptor 4

Key: (F1)-4-3

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases							7					
Exit Phases												
Exit Calls												
Spare												
Term Overlaps	A:	.	B:	.	C:	.	D:	.				

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Tim		Hold			

Priority Preemptor 6

Key: (F1)-4-4

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases								8				
Exit Phases												
Exit Calls												
Spare												
Term Overlaps	A:	.	B:	.	C:	.	D:	.				

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

					GRN	YEL	RED
Max Time	60	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Tim		Hold			

CITY OF SACRAMENTO

DETECTION SCHEDULE

Challenge Way at Arden Way #255

	Phase	Controller Det. Input	Location	Direction	Controller / Detector Type / Function			
					Extend	Delay	Passage	Notes
BIU 1	Loops or Retrofit Video							
	Ø1	(1)	Front	WB			X	
	Ø2	(2)	Left	E-N			X	
	Ø3	3						
	Ø4	4						
	Ø5	(5)	Left	W-S			X	
	Ø6	6						
	Ø7	(7)		SB			X	
	Ø8	(8)		NB			X	
	Loops							
	Ø1	(17)		WB			X	
	Ø1	(18)		WB			X	
	Ø1	(19)		WB			X	
	Ø5	(29)	Left	W-S			X	
	Ø5	(30)	Left	W-S			X	
	Ø6	14						
	Ø7	15						
	Ø8	16						
	New Video Detection		BIU 2 (RESERVED)	17-32				
BIU 3	Ø1	(33)		WB			X	
	Ø1	34						
	Ø6	(35)		EB			X	
	Ø1	36						
	Ø6	37						
	Ø6	38						
	Ø6	39						
	Ø6	40						
	Ø5	(41)	Left	W-S			X	
	Ø5	42						
	Ø2	(43)	Left	E-N			X	
	Ø2	44						
	Ø2	45						
	Ø2	46						
	Ø2	47						
	Ø2	48						
BIU 4	Ø3	49						
	Ø3	50						
	Ø8	51						
	Ø8	52						
	Ø8	53						
	Ø8	54						
	Ø8	55						
	Ø8	56						
	Ø7	(57)		SB			X	
	Ø7	58						
	Ø4	59						
	Ø4	60						
	Ø4	61						
	Ø4	62						
	Ø1	(63)		WB			X	
	Ø4	64						

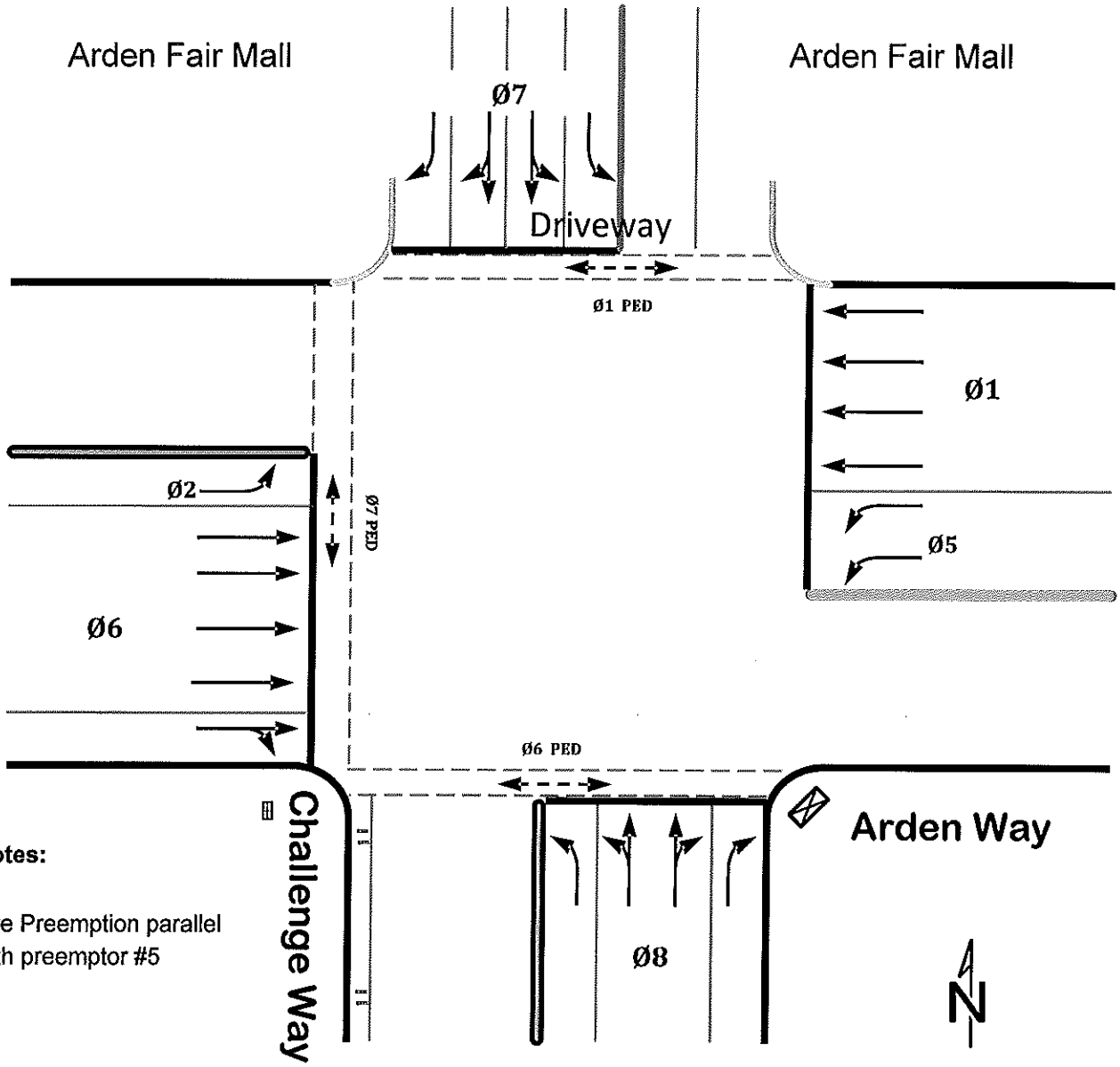
ECONOLITE ASC/2

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

N/S Challenge Way **E/W** Arden Way

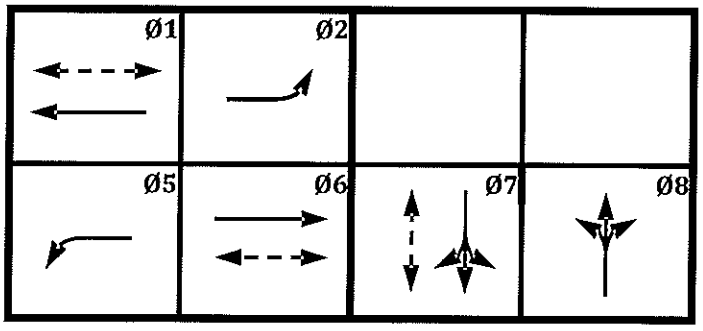
Intersection #: 255 System _____ IP Address: 172.31.34.110

Device ID: 255 Channel: 301 Drop #: 1



Notes:

Fire Preemption parallel with preemptor #5



Econolite ASC/2

CITY OF SACRAMENTO

PHASE TIMING

Prepared by: _____ Approved by: _____ Date Implemented: 3-12-14

Controller Timing Data Key: (F1)-2-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Min Green	9	12			12	9	12	13				
Bike Green												
CndSrv MinGrn												
Walk	7					7	4					
Ped Clr	15					16	31					
Veh Ext	3.9	2.0			2.0	3.9	2.0	2.0				
Veh Ext 2												
Max Ext												
Max1	50	30			30	50	40	40				
Max2												
Max3												
Det Max												
Yellow	4.3	3.5			3.5	4.3	3.5	3.7				
Red Clr	0.3	1.2			1.2	0.4	1.1	1.1				
Red Rvt	2.0	2.0			2.0	2.0	2.0	2.0				
Act B4 Init												
Sec/Actuation												
Max Initial												
Time B4 Reduct												
Cars Wt												
Time To Reduce												
Min Gap												

Controller Recall Data Key: (F1)-2-4

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Locking Memory												
Vehicle Recall	1					6						
Ped Recall												
Recall to Max												
Soft Recall												
Don't Rest Here												
Ped Dark N/Call												

Controller Start/Flash Data Key: (F1)-2-6

Phase	1	2	3	4	5	6	7	8	9	10	11	12
ø's Startup	1					6						
Entry Rem Flash												
Exit Rem Flash												
Rem Flash Yello												
Flsh Together ø	.	2	.	4	.	6	.	8	.	10	.	12
Flsh Tgther OV	A:	.	B:	.	C:	.	D:	.				

Startup Intvl Rng1	Yellow
Startup Intvl Rng2	Yellow
Power Start All Red	6 sec
Power Start Flash	
Remote Flash Options	
Out of Flash Yellow	Yes
Out of Flash All Red	No
Minimum Recall	Yes
Spare	No
Flash Thru Ld Switch	No
Cycle Thru Phases	No

Controller Option Data Key: (F1)-2-9

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Guar Passage												
NonActuated I												
NonActuated II												
Dual Entry												
Cond Service		2			5							
Cond Reservice												
Rest in Walk												
Flashing Walk												
Five Section Left Turn Heads	5-2: 3-8:				7-4: 11-10:				1-6: 9-12:			

Dual Entry	ON	Backup Protection Grp 1	OFF
Cond Service Enable	ON	Backup Protection Grp 2	OFF
Cond Service Det X Switch	OFF	Backup Protection Grp 3	OFF
Ped Clr Protect	ON	Simul Gap Grp 1	OFF
Spec Pre OVL Flash	OFF	Simul Gap Grp 2	OFF
Lock Det in Red	OFF	Simul Gap Grp 3	OFF
Reserved	OFF	unitBackup Time	OFF
Reserved	OFF	unitRed Revert	OFF

CONFIGURATION

Controller Sequence Key: (F1)-1-1

Priority	1	2	3	4	5	6	7	8	9	10	11	12
Ring 1	2	1	3	4	9	10	0	0	0	0	0	0
Ring 2	5	6	7	8	11	12	0	0	0	0	0	0
CG Barrier	.	^	.	^	.	^	.	.	.	.	.	.

Phases in Use Key: (F1)-1-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Phases in Use	1	2	.	.	5	6	7	8	.	.	.	.
Exclusive Ped	.	.	.	.	.	.	.	.	.	.	.	.

SDLC Options Key: (F1)-1-4

BIU Number	1	2	3	4	5	6	7	8
Term & Facil	1							
Detector Rack			3	4				

Type 2 Runs as Type 1	.
MMU Disable	X
Diagnostic Enable	.
Peer to Peer Enable	.

Peer to Peer Addresses										
1)	255	2)	255	3)	255	4)	255	5)	255
6)	255	7)	255	8)	255	9)	255	10)	255

NEW CONTROLLER SHOULD BE DEFAULTED BEFORE INSTALLATION
To Default Controller: (F1)-8-2 Select All Press ENTER
(F1)-8-1-3 Select All Press ENTER

Ped Timing Carryover

Key: (F1)-2-3	
Phase	**Carryover**
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0

Port 2 Key: (F1)-1-5

Port 2 Protocol	TERMNL
Port 2 Enable	NO
Data Rate (bps)	9600
Data, Parity, Stop	8, N, 1
NTCIP Address	0
NTCIP Grp Address	0
NTCIP Resp Delay	0
NTCIP Sgl Flg Enal	NO
NTCIP BackUp Tim	0
NTCIP Drop-Out Time	0
Port2 Drop-Out Tim	0
NTCIP RTS Timing	NO
NTCIP RTS to CTS Dlay	0
NTCIP RTS TurnOff Dla	0
NTCIP Early RTS	NO

Port 3 Key: (F1)-1-6

Port 3 Protocol	**NTCIP**
Port 3 Enable	**YES**
Port 3 millisec Timing	**NO**
Port 3 RTS to CTS Delay	**0**
Port 3 RTS TurnOff Delay	**0**
Duplex -Half or Full	**FULL**
Modem Data Rate (bps)	**19.2k**
Data, Parity, Stop	**8, N, 1**
Telemetry Address	**0**
System Detector 9-16 Add	
Telemtry Response Delay	**0**
NTCIP Address	**1**
NTCIP Grp Address	**0**
NTCIP Resp Delay	**0**
NTCIP Single Flag Enable	**NO**
NTCIP BackUp Time	**0**
Port 3 Drop-Out Time	**60**
NTCIP Early RTS	**NO**

Options Key: (F1)-1-8

Supervisor Access Code	0
Data Change Acces Code	0
Key Click Enable	NO
Backlight Enable	YES
Request Download	NO

CITY OF SACRAMENTO

COORDINATION PATTERN TABLES

Coordination Pattern Data Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	120	Plan	1									
Offset	61											
SPLITS: BY PHASE	1)	45	2)	17	3)		4)	
	5)	18	6)	44	7)	40	8)	18
	9)		10)		11)		12)	
Veh Permissive	[1]	20	[2]	20				
Veh Perm 2 Disp								
Phase Reservice	x							
Split Extension/Ring	[1]		[2]					
Spit Demand Pattern	[1]		[2]					
Xartery Pattern								

PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	x	B:	.	C:	.	D:	.	E:	.	F:	.

PLAN FORMAT												
Cycle Length	132	Plan	2									
Offset	131											
SPLITS: BY PHASE	1)	42	2)	22	3)		4)	
	5)	22	6)	42	7)	40	8)	28
	9)		10)		11)		12)	
Veh Permissive	[1]	20	[2]	20				
Veh Perm 2 Disp								
Phase Reservice	x							
Split Extension/Ring	[1]		[2]					
Spit Demand Pattern	[1]		[2]					
Xartery Pattern								

PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	x	B:	.	C:	.	D:	.	E:	.	F:	.

PLAN FORMAT												
Cycle Length	160	Plan	3									
Offset	7											
SPLITS: BY PHASE	1)	59	2)	21	3)		4)	
	5)	25	6)	55	7)	40	8)	40
	9)		10)		11)		12)	
Veh Permissive	[1]	20	[2]	20				
Veh Perm 2 Disp								
Phase Reservice	x							
Split Extension/Ring	[1]		[2]					
Spit Demand Pattern	[1]		[2]					
Xartery Pattern								

PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	x	B:	.	C:	.	D:	.	E:	.	F:	

PLAN FORMAT												
Cycle Length	120	Plan	4									
Offset	28											
SPLITS: BY PHASE	1)	40	2)	22	3)		4)	
	5)	25	6)	37	7)	40	8)	18
	9)		10)		11)		12)	
Veh Permissive	[1]	20	[2]	20				
Veh Perm 2 Disp								
Phase Reservice	x							
Split Extension/Ring	[1]		[2]					
Spit Demand Pattern	[1]		[2]					
Xartery Pattern								

PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	x	B:	.	C:	.	D:	.	E:	.	F:	.

Alt Sequence: A=switch Ø1 & Ø2 C=switch Ø5 & Ø6 E=switch Ø9 & Ø10
B=switch Ø3 & Ø4 D=switch Ø7 & Ø8 F=switch Ø11 & Ø12

CITY OF SACRAMENTO

COORDINATION PATTERN TABLES

Coordination Pattern Data Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	140		Plan	5								
Offset	68											
SPLITS: BY PHASE	1)	56	2)	17	3)	24	4)					
	5)	32	6)	48	7)	40	8)	20				
	9)		10)		11)		12)					
Veh Permissive	[1]	20	[2]	20								
Veh Perm 2 Disp												
Phase Reservice	x											
Split Extension/Ring	[1]		[2]									
Splt Demand Pattern	[1]		[2]									
Xartery Pattern												
PHASE	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	**A:**	x	**B:**	.	**C:**	.	**D:**	.	**E:**	.	**F:**	.

PLAN FORMAT												
Cycle Length	160		Plan	6								
Offset	156											
SPLITS: BY PHASE	1)	66	2)	30	3)		4)					
	5)	40	6)	56	7)	40	8)	24				
	9)		10)		11)		12)					
Veh Permissive	[1]	20	[2]	20								
Veh Perm 2 Disp												
Phase Reservice	x											
Split Extension/Ring	[1]		[2]									
Splt Demand Pattern	[1]		[2]									
Xartery Pattern												
PHASE	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Coord Phases	1					6						
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	**A:**	x	**B:**	.	**C:**	.	**D:**	.	**E:**	.	**F:**	.

PLAN FORMAT												
Cycle Length			Plan	7								
Offset												
SPLITS: BY PHASE	1)		2)		3)		4)					
	5)		6)		7)		8)					
	9)		10)		11)		12)					
Veh Permissive	[1]		[2]									
Veh Perm 2 Disp												
Phase Reservice	.											
Split Extension/Ring	[1]		[2]									
Splt Demand Pattern	[1]		[2]									
Xartery Pattern												
PHASE	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Coord Phases												
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	**A:**	.	**B:**	.	**C:**	.	**D:**	.	**E:**	.	**F:**	.

PLAN FORMAT												
Cycle Length			Plan	8								
Offset												
SPLITS: BY PHASE	1)		2)		3)		4)					
	5)		6)		7)		8)					
	9)		10)		11)		12)					
Veh Permissive	[1]		[2]									
Veh Perm 2 Disp												
Phase Reservice	.											
Split Extension/Ring	[1]		[2]									
Splt Demand Pattern	[1]		[2]									
Xartery Pattern												
PHASE	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
Coord Phases												
Veh Recall												
Veh Max Recall												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	**A:**	.	**B:**	.	**C:**	.	**D:**	.	**E:**	.	**F:**	.

Alt Sequence: A=switch Ø1 & Ø2 C=switch Ø5 & Ø6 E=switch Ø9 & Ø10
B=switch Ø3 & Ø4 D=switch Ø7 & Ø8 F=switch Ø11 & Ø12

CITY OF SACRAMENTO

COORDINATION/TIME OF DAY DATA

Coordinator Options Key: (F1)-3-1

Split Units	SEC	Actuated Coord ø						X
Offset Units	SEC	Actuated Rest In Wal						.
Interconnect Format	PLAN	Inhibit Max						.
Interconnect Source	NIC	Max 2 Select						.
Resync Count	15	Multisync						.
Transition	SMOOTH	Float Force Off						.
Dwell Period	0 sec	A	B	C	D	E	F	
Free Alternate Sequence		.	.	.	.	.	.	

Coord Manual and Split Demand Key: (F1)-3-2

Manual Enable	OFF	Manual Pattern									
Split Demand		Demand 1			Demand 2						
Demand Call Time		0			0						
Demand Cycle Count		0			0						
Demand ø	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 ø's	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 ø's	.	.	.	.	.	.	.	.	.	.	.	.

Coord Auto Permissive Min Green

Phase	Perm Min Grn	Key: (F1)-3-3
1	0	sec
2	0	sec
3	0	sec
4	0	sec
5	0	sec
6	0	sec
7	0	sec
8	0	sec
9	0	sec
10	0	sec
11	0	sec
12	0	sec

Clock/ Calendar Data Key: (F1)-5-1

DATE SET:	0/0/00	Enter Date/Time
TIME SET:	0:00:00	Then Press Enter
Manual NIC Prgrm Step	0	
Manual TOD Prgrm Step	0	
Sync Reference Time	0:00	
Sync Reference	REFERENCE TIME	
Week 1 begins on 1st Sunday	.	
Disable Daylight Savings	.	
DST begins Last Sunday	.	

TOD Yearly Program Key: (F1)-5-3

Week of Year	1	2	3	4	5	6	7	8
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	9	10	11	12	13	14	15	16
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	17	18	19	20	21	22	23	24
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	25	26	27	28	29	30	31	32
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	33	34	35	36	37	38	39	40
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	41	42	43	44	45	46	47	48
Weekly Program	1	1	1	1	1	1	1	1
Week of Year				49	50	51	52	53
Weekly Program				1	1	1	1	1

TOD Weekly Programs Key: (F1)-5-2

Week	SU	MO	TU	WE	TH	FR	SA
1	3	1	1	1	1	1	2
2	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1

CITY OF SACRAMENTO
NIC Program Table

NIC Program Step — Key: (F1)-5-5

Step	Program	Time	Pattern	Override
1	1	7:00	1	
2	1	11:00	2	
3	1	15:15	3	
4	1	19:00	1	
5	1	20:00	0	
6	2	10:00	4	
7	2	11:30	5	
8	2	15:00	5	
9	2	18:30	4	
10	2	20:30	0	
11	3	11:30	4	
12	3	13:30	5	
13	3	17:00	4	
14	3	18:00	0	
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

TOD Holiday Program — Key: (F1)-5-4

Holiday	Float / Fixed	Month	DOW/ DOM	WOM / Year	Program
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					

CITY OF SACRAMENTO

PREEMPTION TABLES

Priority Preemptor 2 Key: (F1)-4-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases	1				5							
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

Max Time	55	Duration Time			GRN	YEL	RED
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Tim		Hold			

Priority Preemptor 3 Key: (F1)-4-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases		2				6						
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

Max Time	55	Duration Time			GRN	YEL	RED
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Tim		Hold			

Priority Preemptor 4 Key: (F1)-4-3

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases							7					
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

Max Time	55	Duration Time			GRN	YEL	RED
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Tim		Hold			

Priority Preemptor 5 Key: (F1)-4-4

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases								8				
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

Max Time	55	Duration Time	36		GRN	YEL	RED
Min Hold Time	6	Delay Time		Minimum	6		
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Tim	6	Hold			

Fire Preemption parallel with Preemptor #5

Econolite ASC/2

CITY OF SACRAMENTO

DETECTION SCHEDULE

Arden Way at Challenge Way

	Phase	Controller Det. Input	Location	Direction	Controller / Detector Type / Function			
					Extend	Delay	Passage	Notes
BIU 1	Loops or Retrofit Video							
	Ø1	1	Rear	WB			x	
	Ø2	2						
	Ø3	3						
	Ø4	4						
	Ø5	5						
	Ø6	6						
	Ø7	7	Rear	EB			x	
	Ø8	8						
	Loops							
	Ø1	9						
	Ø2	10						
	Ø3	11						
	Ø4	12						
	Ø5	13						
	Ø6	14						
	Ø7	15						
	Ø8	16						
	New Video Detection		BIU 2 (RESERVED)	17-32				
BIU 3	Ø1	33	Front	WB			x	Type 3
	Ø1	34	Right	W-N			x	Type 3
	Ø6	35	Front	EB			x	Type 3
	Ø6							
	Ø6							
	Ø6							
	Ø6							
	Ø6							
	Ø5	41	Left	W-S			x	
	Ø5							
	Ø2	43	Left	E-N		1.0	x	
	Ø2							
	Ø2							
	Ø2							
	Ø2							
	Ø2							
BIU 4	Ø3							
	Ø3							
	Ø8							
	Ø4							
	Ø8							
	Ø8							
	Ø8							
	Ø8							
	Ø7	57	Front	SB			x	
	Ø7							
	Ø4							
	Ø4							
	Ø4							
	Ø4							
	Ø4							
	Ø4							

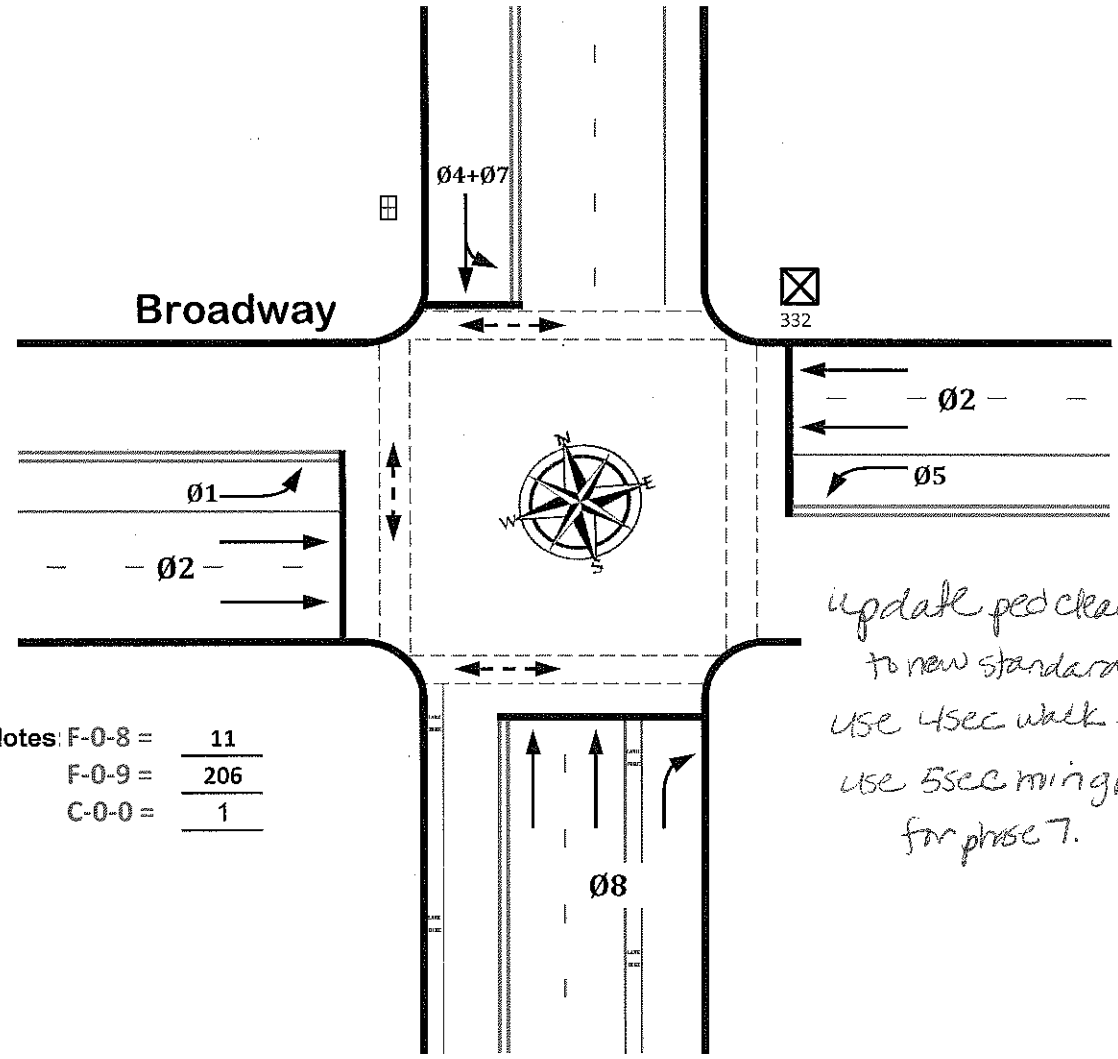
Bi Tran 170-222P

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

N/S 21st Street **E/W** Broadway

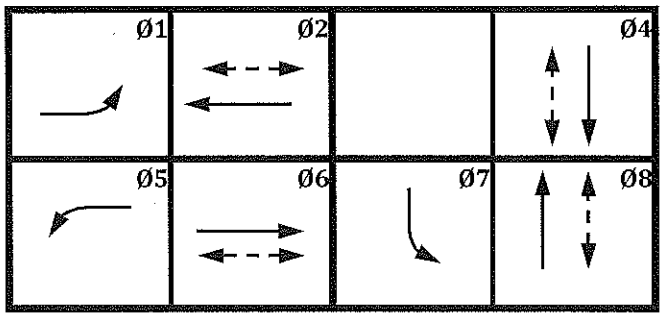
Intersection: 79 System: _____ IP Address: _____

Device ID: 3022 Channel: 33 Drop #: 1



Notes: F-0-8 = 11
F-0-9 = 206
C-0-0 = 1

update ped clearance time to new standard.
use 4sec walk for coordination
use 5sec min green for phase 7.



Bi Tran 170-222P

CITY OF SACRAMENTO

Reviewed: _____ **Approved:** _____ Date Implemented: _____

PHASE TIMING

Overlap Load Switch Assignment D-0-		
Overlap A		(0-8)
Overlap B		(0-8)
Overlap C		(0-8)
Overlap D		(0-8)

Coordination - ☼ 0
Demand (Veh & Ped) ☼ 1 ☼ 2 ☼ 3 ☼ 4 ☼ 5 ☼ 6 ☼ 7 ☼ 8
Preemption - ☼ 9

A		b	
PHASE	INTVL	PHASE	INTVL
Ring A		Ring B	

Intervals (INTVL)
0 - Walk
1 - Flash Don't Walk
2 - Minimun Green
3 -
4 - Variable Initial
5 - Extension
6 -
7 - Reduced Gap
8 - Red Rest
9 - Preemption
A - Stop Time
B - Red Revert
C - Gap Termination
D - Max Termination
E - Force Off
F - Red Clearance

Key: F-ColorCode-Overlap

Overlap Timing	9 Green	C Yellow	D Red
Overlap A			
Overlap B			
Overlap C			
Overlap D			

bAdA	Turn stoptime switch on then off to reinitialize
bAdb	Memory Module error
bAdE	EPROM error, see C-E-D watchdog stops if F-C-F = 0

Phase Timing Key: F-Phase-Interval

Interval		1	2	3	4	5	6	7	8	Interval		E
Walk	0		4		4		4		4	RR1 DELAY	0	0
Flash D/W	1		13		15		14		16	RR1 CLEAR	1	10
Min Green	2	9	9		9	9	9	5	9	EVA DELAY	2	0
Type 3 Det	3									EVA CLEAR	3	1
Add/Veh	4									EVB DELAY	4	0
Veh Exten *	5	2.0	2.0		2.0	2.0	2.0	2.0	2.0	EVB CLEAR	5	1
Max Gap *	6	2.0	2.0		2.0	2.0	2.0	2.0	2.0	EVC DELAY	6	0
Min Gap *	7	2.0	2.0		2.0	2.0	2.0	2.0	2.0	EVC CLEAR	7	1
Max Exten	8									EVD DELAY	8	0
Max 2	9									EVD CLEAR	9	1
	A									RR2 DELAY	A	0
Call 2 Ø	B									RR2 CLEAR	B	10
Reduce By	C									EV CLR TMR	C	
Reduce Every	D									EV DLY TMR	D	
Yellow	E	3.5	3.7		3.5	3.5	3.7	3.5	3.5	RR CLR TMR	E	
Red Clear	F									RR DLY TMR	F	

Max Initial (F-0-E) = 20
* must be same for non-density operation

Red Revert (F-0-F) = 2
All Red Start (F-C-0) = 6

Bi Tran 170-222P

CITY OF SACRAMENTO

PHASE FUNCTION FLAGS

Key: F-F-Function#

Interval		1	2	3	4	5	6	7	8
Permit	0	1	2		4	5	6	7	8
Red Lock	1								
Yellow Lock	2								
Veh Recall	3								
Ped Recall	4		2		4		6		8
Peds	5								
Rest in walk	6								
Red Rest	7								
Double Entry	8								
Max Recall	9		2				6		
Reserved	A								
Max 2	B								
Cond Serve	C								
RR1 Exit phase	D								
Yellow Startup	E				4				8
First phases	F		2				6		

CONFIGURATION DATA

Note: "E" key enabled (F-9-E ≠ 0)

Key: E-E-Interval

Interval		1	2	3	4	5	6	7	8
EXCLU PH	0								
RR1 TK CL	1								
RR2 TK CL	2								
RR2 LTD SV	3								
	4								
OLA GOMI	5								
OLB GOMI	6								
OLC GOMI	7								
OLD GOMI	8								
OV FL YEL	9								
EMVEH C	A			X					X
EMVEH A	B	X					X		
EMVEH D	C				X			X	
EMVEH B	D		X			X			
EXTRA	E	1							
IC SELECT	F								

Extra: (E-E-E)
1-TBC Type 1
3-Daylight Savings
4-EV Advance
7-Pretimed
8-Split Ring

ICSEL: (E-E-F)
1-Simplex In
2-2-Way Modem
4-FLH/Free
5-Simplex Out

ASSIGN5:(E-F-F)
1-RT OVLP
2-TOD Outputs
8-Spec Function

Key: E-F-Interval

Interval		1	2	3	4	5	6	7	8
	0								
RR OVLP A	1								
RR OVLP B	2								
RR OVLP C	3								
RR OVLP D	4								
PED2P	5		2						
PED6P	6						6		
PED4P	7				4				
PED8P	8								8
FLH YELO	9								
OVLP A	A								
OVLP B	B								
OVLP C	C								
OVLP D	D								
RESTRICT	E								
ASSIGN5	F								

Bi Tran 170-222P

CITY OF SACRAMENTO

PHASE SEQUENCES

Key: C-F-Function #

Function		1	2	3	4	5	6	7	8
Lag 1	1		2		4		6		8
Lag 2	2		2		4		6		8
Lag 3	3		2		4		6		8
Lag 4	4								
Lag 5	5								
Lag 6	6								
Lag 7	7								
Lag 8	8								
Lag 9	9								
Lag 10	A								

COORDINATION TIMING

Key: C-Plan-Feature

		TIMING PLAN									
Feature		1	2	3	4	5	6	7	8	9	A
Cycle	0	70	70	70							
Force 1	1	39	49	38							
Force 2	2	0	0	0							
Force 3	3	0	0	0							
Force 4	4	25	35	25							
Force 5	5	36	49	38							
Force 6	6	0	0	0							
Force 7	7	12	12	12							
Force 8	8	25	35	25							
Ring Offset	9										
Offset	A	30	30	30							
	B										
	C										
Permissive	D										
	E										
	F										

Page (F-9-F): _____

1 = Plans 1 - 10
2 = Plans 11 - 20
3 = Plans 21 - 30

SYNCHRONIZED PHASES

KEY: C-E = Plan

PLAN		1	2	3	4	5	6	7	8
Sync 1	1		2				6		
Sync 2	2		2				6		
Sync 3	3		2				6		
Sync 4	4		2				6		
Sync 5	5		2				6		
Sync 6	6								
Sync 7	7								
Sync 8	8								
Sync 9	9								
Sync 10	A								

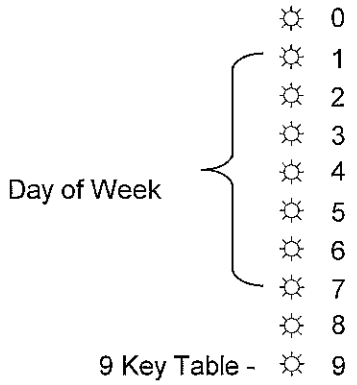
COORDINATION RECALLS

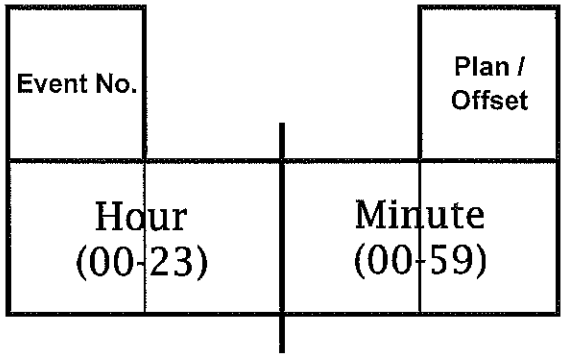
		1	2	3	4	5	6	7	8
C-E-0	Coor Ped Recall		2		4		6		
C-E-A	Green Flash								
C-E-B	Coor Max Recall	1	2		4		6		
C-F-B	Coor lag Recall								

Bi Tran 170-222P

CITY OF SACRAMENTO

TIME BASE COORDINATION SCHEDULE





NOTE: Plans = 1...A, E = Free, F = Flash
Coordination Plans 1-10 are on Page A
Coordination Plans 11-20 are on Page B
Coordination Plans 21-30 are on Page C

Key: 9-Event#

Event 0-15, D-O-E = 0

				DOW	S	M	T	W	TH	F	S
Event	Time	Plan	Page		1	2	3	4	5	6	7
0	6:00	1	A		S	M	T	W	TH	F	S
1	7:00	2	A			M	T	W	TH	F	
2	9:00	1	A			M	T	W	TH	F	
3	15:30	3	A			M	T	W	TH	F	
4	18:00	1	A			M	T	W	TH	F	
5	0:01	1	A			M	T	W	TH	F	
6	1:30	1	A		S						S
7	11:30	1	A			M	T	W	TH	F	
8	13:30	1	A			M	T	W	TH	F	
9											
A											
B											
C											
D											
E											
F											

Events 16-31,D-O-E >0

				DOW	S	M	T	W	TH	F	S
Event	Time	Plan	Page		1	2	3	4	5	6	7
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
A											
B											
C											
D											
E											
F											

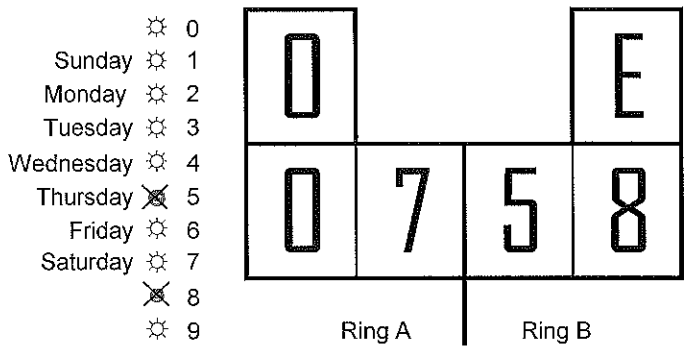
F-0-6: _____ Long Power Failure Correction Factor

F-0-7: _____ Short Power Failure Correction Factor

CITY OF SACRAMENTO

CURRENT TIIME OF DAY

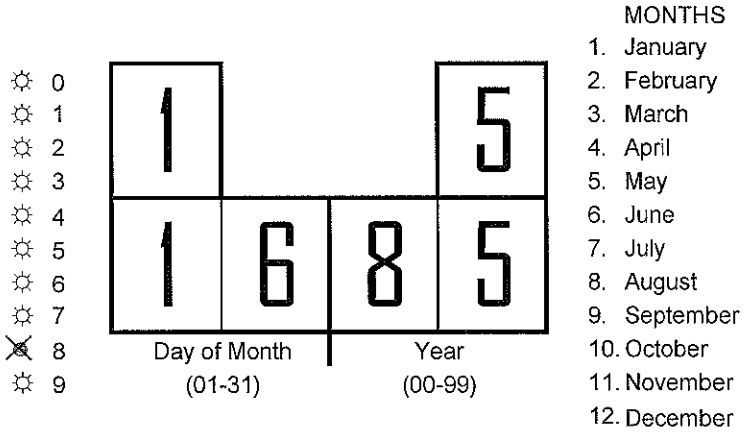
Key: 8-0



Directions: Using Keystrokes 8-0, display the current time of day. To set the time, setup for the next minute, starting with the most significant digit of hours, key in hours, minutes and 0 for seconds. Then exactly on the minute, enter the time by depressing the *E* key. Next turn on the call/ active light for the day of trhe week

CURRENT DATE

Key: 8-1



MONTHS

1. January
2. February
3. March
4. April
5. May
6. June
7. July
8. August
9. September
10. October
11. November
12. December

Directions: Using keystrokes 8-1, display the current date. Going counter clockwise from the most signigicant digit of the day of month, key in the day of the month, last two digits of the year and the month. Enter the date by depressing the *E* key.

Above Examples - 7:58 AM on Thursday, May 16, 1985.

CITY OF SACRAMENTO

DETECTOR TIMING

DESCRIPTION	DET NO.	Detector Location	Phase	Typical Location	Key Stroke	Delay 1/10	Key Stroke	Stretch 1/10
	14	1I1	1	E.N	D-1-0		D-3-0	
	1	2I2U	2	WB	D-1-1		D-3-1	
	5	2I2L	2	WB	D-1-2		D-3-2	
	25	2I3U	2	WB	D-1-3		D-3-3	
	21	2I3L	2	WB	D-1-4		D-3-4	
	9	2I4	2	WB	D-1-5		D-3-5	
	16	3I5	3	N>W	D-1-6		D-3-6	
	3	4I6U	4	SB	D-1-7		D-3-7	
	7	4I6L	4	SB	D-1-8		D-3-8	
	27	4I7U	4	SB	D-1-9		D-3-9	
	23	4I7L	4	SB	D-1-A		D-3-A	
	11	4I8	4	SB	D-1-B		D-3-B	
	18	1I9U	1	E>N	D-1-C		D-3-C	
	20	3I9L	3	N>W	D-1-D		D-3-D	
	13	5J1	5	W-S	D-2-0		D-4-0	
	2	6J2U	6	EB	D-2-1		D-4-1	
	6	6J2L	6	EB	D-2-2		D-4-2	
	26	6J3U	6	EB	D-2-3		D-4-3	
	22	6J3L	6	EB	D-2-4		D-4-4	
	10	6J4	6	EB	D-2-5		D-4-5	
	15	7J5	7	S>E	D-2-6		D-4-6	
	4	8J6U	8	NB	D-2-7		D-4-7	
	8	8J6L	8	NB	D-2-8		D-4-8	
	28	8J7U	8	NB	D-2-9		D-4-9	
	24	8J7L	8	NB	D-2-A		D-4-A	
	12	8J8	8	NB	D-2-B		D-4-B	
	17	5J9U	5	W>S	D-2-C		D-4-C	
	19	7J9L	7	S>E	D-2-D		D-4-D	

ACTIVE DETECTOR ASSIGNMENTS

CALL/ACTIVE LIGHTS

	1	2	3	4	5	6	7	8
DET #	1	2	3	4	5	6	7	8
D-E-A								
DET #	9	10	11	12				
D-E-B								
DET #	13	14	15	16	17	18	19	20
D-E-C								
DET #					21	22	23	24
D-E-D								
DET #								
D-E-E								
DET #		25	26	27	28			
D-E-F								

DETECTOR MONITOR
Maximum ON Time (D-B-E)
DETON _____ Minutes

Maximum OFF Time (D-B-F)
DETOFF _____ Minutes

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
I' U	1	2	2	2	3	4	4	4 ◇	O1 / SD1		ADV / SF1	2P	6P	FS
I' L		2	2 □	SD7		4	4 □	SD8	O2 / SD2		ADE / SF2	4P	8P	ST
J' U	5	6	6	6	7	8	8	8	O3 / SD3		D2 / SD5	EVA	EVB	RR1
J' L		6	6 □	◇		8	8 □	◇	FH / SD4		D3 / SD6	EVC	EVD	RR2

SLOT

- □ - Extension, Count
- □ - Extension
- ◇ - Call Detector
- D2 - Dial 2
- FS - Flash Sense
- 2P - 2 Ped
- FH - Flash
- ST - Stop Time
- ADV - Advance
- ADE - Enable
- RR - Railroad 1
- AL1 - Alarm 1
- SD1 - System Det 1
- SF1 - Special Function 1
- O1 - Offset 1
- EVA - Emerg Veh A

City of Sacramento

170-222 useful notes

SYSTEM INFO F-0-8 = F-0-9 = (local address information for comm.)
C-C-0 = Contents of RAM Program in Memory
C-0-1 = Manual Select

1. 0 = Automatic
2. 1-30 = Coordinated Plan
3. 32 = Free
4. 31 = Flash

C-0-5 = Current Timebase Coordination Plan selected
C-A-0 = Master Cycle
C-B-0 = Slave Cycle

1. Coordination Lower left display blinks after F9F is changed
   a. MUST HAVE TIME AND DATE PROGRAMED
   b. Must have Phase Sequences
   c. Must have Synchronized Phases set
   d. Must have Coord Timing Plan set
   e. F9F = for different plans
      i. = 1 for plans 1-10
      ii. = 2 for plans 11-20
      iii. = 3 for plans 21-30
   f. Be sure to set back to zero!
2. RAM and EPROM
   a. bAdA = CPU RAM has failed or needs to be reinitialized.
      Set stop time on, hold A key and power cycle controller.
      Display should count down. Don't forget to turn stop time off.
   b. bAdB = error has been detected in RAM on the memory module
   c. bAdE = EPROM has failed
3. Programing TBC Events: Enter time (xxxx), plan (x), Page (A,B,or C) ENTER.
   Then turn on flags for DOW.

Plan	1	2	3	4	5	6	7	8	9	10
Cycle Length	70	70	70	0	0	0	0	0	0	0
Force Off 1	39	49	38	0	0	0	0	0	0	0
Force Off 2	0	0	0	0	0	0	0	0	0	0
Force Off 3	0	0	0	0	0	0	0	0	0	0
Force Off 4	25	35	25	0	0	0	0	0	0	0
Force Off 5	39	49	38	0	0	0	0	0	0	0
Force Off 6	0	0	0	0	0	0	0	0	0	0
Force Off 7	12	12	0	0	0	0	0	0	0	0
Force Off 8	25	35	25	0	0	0	0	0	0	0
Offset	30	30	30	0	0	0	0	0	0	0
Permissive	0	0	0	0	0	0	0	0	0	0
Ring Offset	0	0	0	0	0	0	0	0	0	0
Coord Phases	2, 6	2, 6	2, 6	2, 6	NONE	NONE	NONE	NONE	NONE	NONE
Lagging Phases	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6, 8	2, 4, 6, 8	NONE	NONE	NONE	NONE	NONE	NONE
CIC Eligibility	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Int. : 3022.2
Date/Time : Fri, 14 Mar 2008 13:53:08

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Parameter	Phases	On Loss of Communications	
Coordinated Pedestrian Recall	2, 4, 6	Revert to TBC at next scheduled plan change?	NO
Coordinated Maximum Veh Recall	1, 2, 4, 6	Otherwise, # of cycles to wait before reverting to TBC	0
Coordinated Lag Phase Recall	NONE		
Uncoordinated Lag Phases	2, 4, 6, 8		

Int. : 3022.2
Date/Time : Fri, 14 Mar 2008 13:53:08

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Function	Phases	Phase	1	2	3	4	5	6	7	8
Permitted	1, 2, 4, 5, 6, 7, 8	Walk	0	5	0	5	0	5	0	5
Red Lock	NONE	Ped Clear	0	8	0	12	0	8	0	12
Yellow Lock	NONE	Min Green	5	10	0	10	5	10	5	10
Veh Recall	NONE	Type 3 Det	0	0	0	0	0	0	0	0
Ped Recall	2, 4, 6, 8	Add/Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest in Walk	NONE	Extension	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
Red Rest	NONE	Maximum Gap	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
Double Entry	NONE	Minimum Gap	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
Max Recall	2, 6	Maximum Ext	10	30	0	30	10	30	10	30
Assured Ped	NONE	Max Ext II	0	0	0	0	0	0	0	0
Max II	NONE	Call to Ph	0	0	0	0	0	0	0	0
Cond Service	NONE	Reduce By	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yel Startup	4, 8	Reduce Every	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
First Phases	2, 6	Yellow Clr	3.6	3.6	0.0	3.9	3.6	3.6	3.9	3.9
Soft Recall	3	Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Direction								
Max Initial	20									
Red Revert	2.0									
All Red Start	4.0									

Event	Hour	Minute	Days of Week	Plan	Event	Hour	Minute	Days of Week	Plan
0	6	0	S, M, T, W, T, F, S	1	16	0	0	NONE	0
1	7	0	M, T, W, T, F	2	17	0	0	NONE	0
2	9	0	M, T, W, T, F	1	18	0	0	NONE	0
3	15	30	M, T, W, T, F	3	19	0	0	NONE	0
4	18	0	M, T, W, T, F	1	20	0	0	NONE	0
5	0	1	M, T, W, T, F	1	21	0	0	NONE	0
6	1	30	S, S	1	22	0	0	NONE	0
7	11	30	M, T, W, T, F	1	23	0	0	NONE	0
8	13	30	M, T, W, T, F	1	24	0	0	NONE	0
9	0	0	NONE	0	25	0	0	NONE	0
10	0	0	NONE	0	26	0	0	NONE	0
11	0	0	NONE	0	27	0	0	NONE	0
12	0	0	NONE	0	28	0	0	NONE	0
13	0	0	NONE	0	29	0	0	NONE	0
14	0	0	NONE	0	30	0	0	NONE	0
15	0	0	NONE	0	31	0	0	NONE	0

Int. : 3022.2
Date/Time : Fri, 14 Mar 2008 13:53:08

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Event	Hour	Minute	Days of Week	Function	Phases
0	0	0	NONE	43	NONE
1	0	0	NONE	Permit	NONE
2	0	0	NONE	Permit	NONE
3	0	0	NONE	43	NONE
4	0	0	NONE	42	NONE
5	0	0	NONE	Permit	NONE
6	0	0	NONE	Permit	NONE
7	0	0	NONE	Permit	NONE
8	0	0	NONE	Permit	NONE
9	0	0	NONE	43	NONE
10	0	0	NONE	Permit	NONE
11	0	0	NONE	Permit	NONE
12	0	0	NONE	Permit	NONE
13	0	0	NONE	Permit	NONE
14	0	0	NONE	Double Entry	NONE
15	0	0	NONE	34	NONE

Parameter	Phases	Detector Testing	Minutes
Port 1	1, 2, 3, 4, 5, 6, 7, 8	Max Det On Time	5
Port 2	1, 2, 3, 4, 8	Max Det Off Time	60
Port 3	1, 2, 3, 4, 5, 6, 7, 8		
Port 4	NONE		
Port 5	1,2,3,4		
Port 6	1, 2, 3, 4, 5	Enable Detector Counting Function	NO

Int. : 3022.2
Date/Time : Fri, 14 Mar 2008 13:53:08

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Parameter	Address	Phases
Exclusive	E-E-0	NONE
Protect/Permis	E-E-4	NONE
OL Flash Yel	E-E-9	NONE
Ped Phase 2	E-F-5	2
Ped Phase 6	E-F-6	6
Ped Phase 4	E-F-7	4
Ped Phase 8	E-F-8	8
Flash Yellow	E-F-9	NONE
Restricted	E-F-E	NONE
Alternate Inputs Enabled?		NO
EXTRA	E-E-E	TBCT
ASSIGN5	E-F-F	NONE

RR 1		RR 2		Emer Vehicle	
RR1 Delay	0	RR2 Delay	0	EVA Phases	NONE
RR1 Track Clearance	10	RR2 Track Clearance	10	EVA Delay	0
RR1 Track Clear Phases	NONE	RR2 Track Clear Phases	NONE	EVA Green Clearance	1
RR1 Exit Phases	NONE	RR2 Limited Service Phases	NONE	EVB Phases	NONE
				EVB Delay	0
				EVB Green Clearance	1
				EVC Phases	NONE
				EVC Delay	0
				EVC Green Clearance	1
				EVD Phases	NONE
				EVD Delay	0
				EVD Green Clearance	1

Database Changed	6

Int. : 3022.2
Date/Time : Fri, 14 Mar 2008 13:53:08

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Sys Det #	Loop Length	Vehicle Length	CIC Phase
1	6	19	0
2	6	19	0
3	6	19	0
4	6	19	0
5	6	19	0
6	6	19	0
7	6	19	0
8	6	19	0
CIC Eligible	NO	Release Rate	2.1
CIC Min Thresh %	0	Volume Const	1.3
CIC Max Thresh %	0	Occ Const	0.2
Smoothing Factor %	5	Vol Occ Const	1.0

Int. : 3022.2
Date/Time : Fri, 14 Mar 2008 13:53:08

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

C1 Pin	Attributes	Phases	C1 Pin	Attributes	Phases
39	NA, E, C	2	59	NA, E, C	5
40	NA, E, C	6	60	NA, E, C	1
41	NA, E, C	4	61	NA, E, C	7
42	NA, E, C	8	62	NA, E, C	3
43	NA, E, C	2	63	NA, E, C	2
44	NA, E, C	6	64	NA, E, C	6
45	NA, E, C	4	65	NA, E, C	4
46	NA, E, C	8	66	NA, E, C	8
47	T3, C	2	67	PPB	2
48	NONE	NONE	68	PPB	6
49	T3, C	4	69	PPB	4
50	NONE	NONE	70	PPB	8
55	NA, E, C	5	76	E, C	2
56	NA, E, C	1	77	E, C	6
57	NA, E, C	7	78	E, C	4
58	NA, E, C	3	79	E, C	8

Int. : 3022.2
Date/Time : Fri, 14 Mar 2008 13:53:08

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Function	C1 Pin
Special Function 1	48
Special Function 2	50
Stop Time	82
Flash Sense	81
Advance Enable	53
Advance	80
EVA Preempt	71
EVB Preempt	72
EVC Preempt	73
EVD Preempt	74
RR1 Preempt	51
RR2 Preempt	52

Int. : 3022.2
Date/Time : Fri, 14 Mar 2008 13:53:08

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Plan	1	2	3	4	5	6	7	8	9	10
Cycle Length	70	70	70	70	0	0	0	0	0	0
Force Off 1	0	0	0	0	0	0	0	0	0	0
Force Off 2	53	53	53	53	0	0	0	0	0	0
Force Off 3	0	0	0	0	0	0	0	0	0	0
Force Off 4	26	26	26	26	0	0	0	0	0	0
Force Off 5	0	0	0	0	0	0	0	0	0	0
Force Off 6	0	0	0	0	0	0	0	0	0	0
Force Off 7	0	0	0	0	0	0	0	0	0	0
Force Off 8	0	0	0	0	0	0	0	0	0	0
Offset	19	19	19	19	0	0	0	0	0	0
Permissive	0	0	0	0	0	0	0	0	0	0
Ring Offset	0	0	0	0	0	0	0	0	0	0
Coord Phases	1, 6	1, 6	1, 6	1, 6	NONE	NONE	NONE	NONE	NONE	NONE
L[illegible]ing Phases	1, 4, 6, 8	1, 4, 6, 8	1, 4, 6, 8	1, 4, 6, 8	NONE	NONE	NONE	NONE	NONE	NONE
C[illegible] Eligibility	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

Int. : 3022.2

Date/Time : Fri, 22 Feb 2008 10:19:29

Name / Description : Broadway@21st Street / 21st @ Broadway

Location : Broadway @ 21st Street

Device ID :3022.2

Parameter	Phases	On Loss of Communications	
Coordinated Pedestrian Recall	2, 4, 6	Revert to TBC at next scheduled plan change?	NO
Coordinated Maximum Veh Recall	1, 2, 4, 6	Otherwise, # of cycles to wait before reverting to TBC	0
Coordinated Lag Phase Recall	NONE		
Uncoordinated Lag Phases	2, 4, 6, 8		

Device ID :3022.2

Function	Phases	Phase	1	2	3	4	5	6	7	8
Permitted	1, 2, 4, 6	Walk	0	5	0	5	0	5	0	0
Red Lock	NONE	Ped Clear	0	8	0	12	0	8	0	0
Yellow Lock	NONE	Min Green	10	10	0	10	0	10	0	0
Veh Recall	1, 2, 4, 6	Type 3 Det	0	0	0	0	0	0	0	0
Ped Recall	2, 4, 6	Add/Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rest in Walk	NONE	Extension	2.0	2.0	0.0	2.0	0.0	2.0	0.0	0.0
Red Rest	NONE	Maximum Gap	2.0	2.0	0.0	2.0	0.0	2.0	0.0	0.0
Double Entry	NONE	Minimum Gap	2.0	2.0	0.0	2.0	0.0	2.0	0.0	0.0
Max Recall	1, 2, 4, 6	Maximum Ext	10	20	0	20	0	35	0	0
Assured Ped	NONE	Max Ext II	0	0	0	0	0	0	0	0
Max II	NONE	Call to Ph	0	0	0	0	0	0	0	0
Cond Service	NONE	Reduce By	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yel Startup	4	Reduce Every	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
[illegible] Phases	2, 6	Yellow Clr	3.6	3.6	0.0	3.9	0.0	3.6	0.0	0.0
[illegible] Recall	NONE	Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Direction								

Max Initial	20
Red Revert	2.0
All Red Start	4.0

2-22-08

Device ID :3022.2

Event	Hour	Minute	Days of Week	Plan	Event	Hour	Minute	Days of Week	Plan
0	6	0	S, M, T, W, T, F, S	1	16	0	0	NONE	0
1	7	0	M, T, W, T, F	2	17	0	0	NONE	0
2	9	0	M, T, W, T, F	1	18	0	0	NONE	0
3	15	30	M, T, W, T, F	3	19	0	0	NONE	0
4	18	0	M, T, W, T, F	1	20	0	0	NONE	0
5	0	1	M, T, W, T, F	1	21	0	0	NONE	0
6	1	30	S, S	1	22	0	0	NONE	0
7	11	30	M, T, W, T, F	1	23	0	0	NONE	0
8	13	30	M, T, W, T, F	1	24	0	0	NONE	0
9	0	0	NONE	0	25	0	0	NONE	0
10	0	0	NONE	0	26	0	0	NONE	0
11	0	0	NONE	0	27	0	0	NONE	0
12	0	0	NONE	0	28	0	0	NONE	0
13	0	0	NONE	0	29	0	0	NONE	0
14	0	0	NONE	0	30	0	0	NONE	0
15	0	0	NONE	0	31	0	0	NONE	0

Int. : 3022.2
Date/Time : Fri, 22 Feb 2008 10:19:29

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Device ID :3022.2

Event	Hour	Minute	Days of Week	Function	Phases
0	0	0	NONE	43	NONE
1	0	0	NONE	Permit	NONE
2	0	0	NONE	Permit	NONE
3	0	0	NONE	43	NONE
4	0	0	NONE	42	NONE
5	0	0	NONE	Permit	NONE
6	0	0	NONE	Permit	NONE
7	0	0	NONE	Permit	NONE
8	0	0	NONE	Permit	NONE
9	0	0	NONE	43	NONE
10	0	0	NONE	Permit	NONE
11	0	0	NONE	Permit	NONE
12	0	0	NONE	Permit	NONE
[illegible]	0	0	NONE	Permit	NONE
[illegible]	0	0	NONE	Double Entry	NONE
15	0	0	NONE	34	NONE

Int. : 3022.2
Date/Time : Fri, 22 Feb 2008 10:19:29

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Device ID :3022.2

Parameter	Phases
Port 1	1, 2, 3, 4, 5, 6, 7, 8
Port 2	1, 2, 3, 4, 8
Port 3	1, 2, 3, 4, 5, 6, 7, 8
Port 4	NONE
Port 5	1,2,3,4
Port 6	1, 2, 3, 4, 5

Detector Testing	Minutes
Max Det On Time	5
Max Det Off Time	60
Enable Detector Counting Function	NO

Int. : 3022.2
Date/Time : Fri, 22 Feb 2008 10:19:29

Name / Description : Broadway@21st Street / 21st @ Broadway
Location : Broadway @ 21st Street

Device ID :3022.2

Parameter	Address	Phases
Exclusive	E-E-0	NONE
Protect/Permis	E-E-4	NONE
OL Flash Yel	E-E-9	NONE
Ped Phase 2	E-F-5	2
Ped Phase 6	E-F-6	6
Ped Phase 4	E-F-7	4
Ped Phase 8	E-F-8	NONE
Flash Yellow	E-F-9	NONE
Restricted	E-F-E	NONE
Alternate Inputs Enabled?		NO
EXTRA	E-E-E	TBCT
ASSIGN5	E-F-F	NONE

Device ID :3022.2

RR 1		RR 2		Emer Vehicle	
RR1 Delay	0	RR2 Delay	0	EVA Phases	NONE
RR1 Track Clearance	10	RR2 Track Clearance	10	EVA Delay	0
RR1 Track Clear Phases	NONE	RR2 Track Clear Phases	NONE	EVA Green Clearance	1
RR1 Exit Phases	NONE	RR2 Limited Service Phases	NONE	EVB Phases	NONE
				EVB Delay	0
				EVB Green Clearance	1
				EVC Phases	NONE
				EVC Delay	0
				EVC Green Clearance	1
				EVD Phases	NONE
				EVD Delay	0
				EVD Green Clearance	1

Device ID :3022.2

Overlap	Phases	Green Clearance	Yellow Clearance	Red Clearance	Green Omit	Load Switch Assign
A	NONE	0.0	0.0	0.0	NONE	0
B	NONE	0.0	0.0	0.0	NONE	0
C	NONE	0.0	0.0	0.0	NONE	0
D	NONE	0.0	0.0	0.0	NONE	0

Railroad Overlap	
A	NONE
B	1, 6
C	NONE
D	NONE

Device ID :3022.2

Sys Det #	Loop Length	Vehicle Length	CIC Phase
1	6	19	0
2	6	19	0
3	6	19	0
4	6	19	0
5	6	19	0
6	6	19	0
7	6	19	0
8	6	19	0
CIC Eligible	NO	Release Rate	2.1
CIC Min Thresh %	0	Volume Const	1.3
CIC Max Thresh %	0	Occ Const	0.2
Smoothing Factor %	5	Vol Occ Const	1.0

Device ID :3022.2

C1 Pin	Attributes	Phases	C1 Pin	Attributes	Phases
39	NA, E, C	2	59	NA, E, C	5
40	NA, E, C	6	60	NA, E, C	1
41	NA, E, C	4	61	NA, E, C	7
42	NA, E, C	8	62	NA, E, C	3
43	NA, E, C	2	63	NA, E, C	2
44	NA, E, C	6	64	NA, E, C	6
45	NA, E, C	4	65	NA, E, C	4
46	NA, E, C	8	66	NA, E, C	8
47	T3, C	2	67	PPB	2
48	NONE	NONE	68	PPB	6
49	T3, C	4	69	PPB	4
50	NONE	NONE	70	PPB	8
55	NA, E, C	5	76	E, C	2
56	NA, E, C	1	77	E, C	6
[illegible]	NA, E, C	7	78	E, C	4
58	NA, E, C	3	79	E, C	8

Device ID :3022.2

	C1 Pin
Function	48
Special Function 1	50
Special Function 2	82
Stop Time	81
Flash Sense	53
Advance Enable	80
Advance	71
EVA Preempt	72
EVB Preempt	73
EVC Preempt	74
EVD Preempt	51
RR1 Preempt	52
RR2 Preempt	

Int. : 3022.2
Date/Time : Fri, 22 Feb 2008 10:19:29

Name / Description : Broadway@21st Street / 21st @ Broadwa
Location : Broadway @ 21st Street

Traconex TMP-390 CITY OF SACRAMENTO

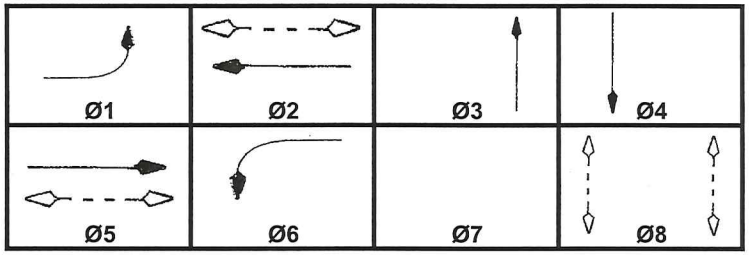
Date Implemented: 12/21/09

Intersection #: 485 IP Address: N/A

N/S St: Evergreen St E/W St: El Camino Ave

Device ID: 5054 Channel: 61 Drop#: 4

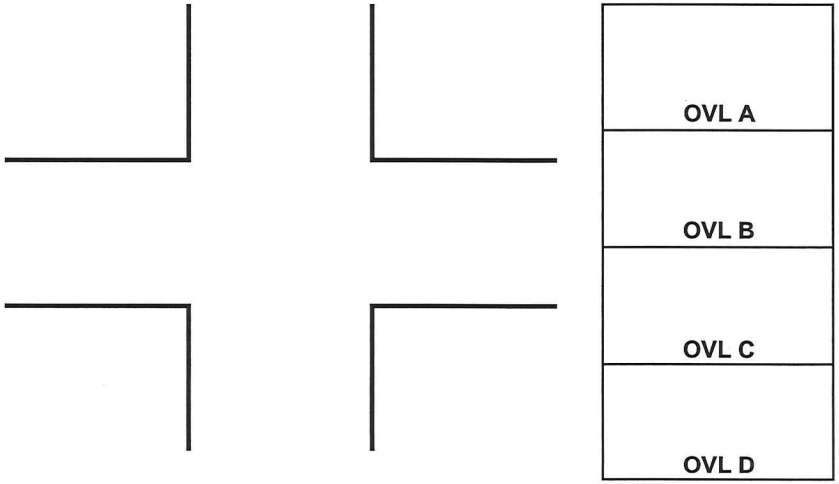
Reviewed: SMB / WKJ / Approved: 1-22-10



Phase Timing		Key: 390 - Page - 3 - Enter							
	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Min Green	MIN	4	6	6	6	6	4	5	6
Walk	WLK	0	7	0	0	7	0	0	7
Ped Clr	WCL	0	9	0	0	9	0	0	15
Passage Time	PSG	2.0	3.6	2.0	2.0	3.6	2.0	2.0	2.0
Max No. 1	MX1	24	32	20	32	32	24	30	32
Max No. 2	MX2	40	40	40	20	40	40	40	20
Yellow Clr	YEL	3.9	3.9	3.6	3.6	3.9	3.9	3.5	3.6
All Red Clr	RED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Revert	RRT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Act. B4 Added	ABA	0	0	0	0	0	0	0	0
Sec / Act	S/A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	MXI	0	0	0	0	0	0	0	0
Time B4 Reduce	TBR	0	0	0	0	0	0	0	0
Time to Reduce	TTR	0	0	0	0	0	0	0	0
Min Gap	MNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cond Min Green	CMN	0	0	0	0	0	0	0	0

Options		Key: 390 - Page - 2 - Enter							
	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Phase in Use	USE	1	2	3	4	5	6	.	8
Ped Phases	PED	.	2	.	.	5	.	.	8
Flashing Walk	FWK	.	.	.	.	.	.	.	.
Act Rest in Walk	ARW	.	.	.	.	.	.	.	.
Walk Clr Protect	WCP	.	.	.	.	.	.	.	.
Density Phases	DEN	.	.	.	.	.	.	.	.
Last Car Passage	LCP	.	.	.	.	.	.	.	.
Veh call to NonAct 1	VN1	.					.	.	.
Ped call to NonAct 1	PN1	.					.	.	.
Veh call to NonAct 2	VN2	.	.	.	.	.	.	.	.
Ped call to NonAct 2	PN2	.	.	.	.	.	.	.	.
Fast Flash Green	FGN	.	.	.	.	.	.	.	.
Enable Menu Scroll	MNU	.	.	.	.	.	.	.	.
Left Turn Yellow Blank	LAB	.	.	.	.	.	.	.	.
Select Anti -Backup	ABU	.	.	.	.	.	.	.	.

Additional Parameters		0							
	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Power Up Flash	PUF	4		sec					
Start Up Red Time	SAR	4		sec					
Start Up in Red	SUR	.	.	.	.	.	.	.	.
Start up in Yel	SUY	.	2	.	.	5	.	.	.
Start Up In Green	SUG	.	.	.	.	.	.	.	.
Main ST (MUTCD)	MSF	.	2	.	.	5	.	.	.
Min MUTCD FL Time	FMN	15		sec					
Dual Entry	DLE	.	2	.	4	5	.	.	8
Sim Gap Out	SGO		2			5			
Min Recall	MNR	.	2	.	.	5	.	.	.
Min Soft Recall	MNS	.	.	.	.	.	.	.	.
Max Recall	MXR		.	.	.	.	.	.	.
Ped Recall	PDR	.	.	.	.	.	.	.	.
Lock Detector	LKD	.	2	.	.	5	.	.	.
Liq Crys Dis Test	LCD	0		0=OFF 1=ON					
Backlight On/Off	LBT	1		0=OFF 1=ON					



NEW CONTROLLER SHOULD BE DEFAULTED BEFORE INSTALLATION TO DEFAULT CONTROLLER HOLD 390 BUTTON AND CYCLE POWER TO SET DATE AND TIME KEY: 390 - PAGE - 1 - ENTER

Traconex TMP-390 **CITY OF SACRAMENTO**

Intersection #: 485 **IP Address:** 0
N/S St: Evergreen St **E/W St:** El Camino Ave
Device ID: 5054 **Channel:** 61 **Drop#:** 4

Overlap		Key: 390 - Page - 5 - Enter							
OVLP 1	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Standard OVLP	STD	.	.	.	.	.	.	.	.
Pro Phase of Pro/Per	PRO	.	.	.	.	.	.	.	.
Pro Phase of Pro/Per	PER	.	.	.	.	.	.	.	.
Aux Green Time	AXG	0		0-255 sec					
Aux Yellow Time	AXY	3.0		3.0-25.5 sec					
Aux Red Time	AXR	3.0		0.0-25.5 sec					
Follow Parent Phase	FPP	.	.	.	.	.	.	.	.
OVLP 2	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Standard OVLP	STD	.	.	.	.	.	.	.	.
Pro Phase of Pro/Per	PRO	.	.	.	.	.	.	.	.
Pro Phase of Pro/Per	PER	.	.	.	.	.	.	.	.
Aux Green Time	AXG	0		0-255 sec					
Aux Yellow Time	AXY	3.0		3.0-25.5 sec					
Aux Red Time	AXR	3.0		0.0-25.5 sec					
Follow Parent Phase	FPP	.	.	.	.	.	.	.	.
OVLP 3	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Standard OVLP	STD	.	.	.	.	.	.	.	.
Pro Phase of Pro/Per	PRO	.	.	.	.	.	.	.	.
Pro Phase of Pro/Per	PER	.	.	.	.	.	.	.	.
Aux Green Time	AXG	0		0-255 sec					
Aux Yellow Time	AXY	3.0		3.0-25.5 sec					
Aux Red Time	AXR	3.0		0.0-25.5 sec					
Follow Parent Phase	FPP	.	.	.	.	.	.	.	.
OVLP 4	DISPLAY	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Standard OVLP	STD	.	.	.	.	.	.	.	.
Pro Phase of Pro/Per	PRO	.	.	.	.	.	.	.	.
Pro Phase of Pro/Per	PER	.	.	.	.	.	.	.	.
Aux Green Time	AXG	0		0-255 sec					
Aux Yellow Time	AXY	3.0		3.0-25.5 sec					
Aux Red Time	AXR	3.0		0.0-25.5 sec					
Follow Parent Phase	FPP	.	.	.	.	.	.	.	.

More Data		Key: 390 - Page - 7 - Enter
Printer Report Enable	PNT	0 0 TO 99
Manual ø Rotate Sel	SQK	0 0 TO 15
Disp ø Seq, Remote	SQC	0 0 TO 15
Disp Effect ø Seq	SQI	0 0 TO 15
Dimming Red Enable	DRD	. . . .
Dimming Yello Enable	DYL	. . . .
Dimming Grn Enable	DGN	. . . .
Dim Ped Walk Enable	DWK	. . . .
Dim Ped DWlk Enable	DDW	. . . .
Dim Red OVLP's	DOR	. . . .
Dim Yello OVLP's	DOY	. . . .
Dim Grn OVLP's	DOG	. . . .
Clock	CLK	READ ONLY
Non Volatile Ram Sel	NVR	.
Active TOD Plan	ACT	0 0 TO 48
Audible Keyboard	AUD	1 0 OR 1 O=OFF 1=ON

Function Enable		Key: 390 - Page - 6 - Enter
Frnt Pnl O/L Enable	FOE	1 0 TO 3
Spcl Func Enable	SFE	0 0 OR 1 0=OFF 1=ON
Stop Time Enable	STE	0 0 OR 1 0=OFF 1=ON
Seq Rotat Enable	SQE	0 0 TO 2
Cond Serv Enable	CSE	1 . . . , 6 . .
Neg OVL Enable	NOE	0 0 OR 1 0=OFF 1=ON
Dimming Enable	DME	0 1=50%, 2=66%, 3=75
Pre w/Flsh Dwell	PFE	Preempt 1-5 . . . . .
Preempt Out Mode	POM	0 0 TO 3
TOD On/Off	TOD	1 0 OR 1 0=OFF 1=ON
Coord On/Off	CRD	1 0 OR 1 0=OFF 1=ON
Diag Test Enable	DIA	1 TO 4 1 2 3 4
Security Code Accs	SCY	0 0-255 0=No Code
Config Control	CFG	0 0 TO 7
Volt Mon off Dur Flsh	FLE	1 0=OFF 1=ON
Time after Init B4 reduce	TBS	0 0 OR 1

Traconex TMP-390 CITY OF SACRAMENTO

Intersection #: 485 IP Address: 0
N/S St: Evergreen St E/W St: El Camino Ave
Device ID: 5054 Channel: 61 Drop#: 4

Key: 390 - Page - 10 - Enter		EV Preempt 1	EV Preempt 2	EV Preempt 3	EV Preempt 4
EVP Delay	EDE	0 — 0 TO 255 sec	0 — 0 TO 255 sec	0 — 0 TO 255 sec	0 — 0 TO 255 sec
EVP Ped Clear	EPC	6 — 0 TO 255 sec	6 — 0 TO 255 sec	6 — 0 TO 255 sec	6 — 0 TO 255 sec
EVP Yellow Clear #1	EY1	3.9 — 3.0 TO 25.5 sec	3.9 — 3.0 TO 25.5 sec	3.9 — 3.0 TO 25.5 sec	3.9 — 3.0 TO 25.5 sec
EVP Red Clear #1	ER1	0.0 — 0 TO 25.5 sec	0.0 — 1 TO 25.5 sec	0.0 — 2 TO 25.5 sec	0.0 — 3 TO 25.5 sec
EVP Min Green	EMN	6 — 0 TO 255 sec	6 — 1 TO 255 sec	6 — 2 TO 255 sec	6 — 3 TO 255 sec
EVP Gap Time	EPG	3.0 — 0 TO 25.5 sec	3.0 — 1 TO 25.5 sec	3.0 — 2 TO 25.5 sec	3.0 — 3 TO 25.5 sec
EVP Yellow Clear #2	EY2	3.9 — 3.0 TO 25.5 sec	3.9 — 3.0 TO 25.5 sec	3.6 — 3.0 TO 25.5 sec	3.6 — 3.0 TO 25.5 sec
EVP Red Clear #2	ER2	1.0 — 0 TO 25.5 sec	1.0 — 1 TO 25.5 sec	1.0 — 2 TO 25.5 sec	1.0 — 3 TO 25.5 sec
EVP Green Dwell	PRG	1 . . . 5 . . .	. 2 . . . 6 . .	. . 3	. . . 4 . . . .
EVP OVL Green Dwell	OLG	1 TO 4	2 TO 4	3 TO 4	4 TO 4 . . . .
EVP Return ø	ERG	. . . .	. . . .	. . . .	. . . .
OVL On w/ Return	ROG	1 TO 4	2 TO 4	3 TO 4	4 TO 4 . . . .
Lock / Max Mode	LOK	1 TO 3 3 . 1	2 TO 3 4 . 2	3 TO 3 5 . 3	4 TO 3 6 . 4
EVP Max Green	EMX	55 — 0 TO 255 sec	55 — 1 TO 255 sec	55 — 2 TO 255 sec	58 — 3 TO 255 sec

Railroad Preempt	Key: 390 - Page - 8 - Enter		
Ped Clearr into RR Preempt	TPC	3	0 TO 255 sec
RR Preempt Yelo for Premptd ø's	TY1	3.0	3.0 TO 25.5 sec
RR Prempt All Red for Premptd ø's	TR1	1.0	0 TO 25.5 sec
1st Track Clear Min Green	TM1	3	0 TO 255 sec
DO NOT EDIT	TG1	DO NOT EDIT	
Trk Prempt Yelo for 1st Track ø's	TY2	3.0	3.0 TO 25.5 sec
Trk Prempt Red for 1st Track ø's	TR2	1.0	0 TO 25.5 sec
2nd Track Clear Min Green	TM2	0	0 TO 255 sec
DO NOT EDIT	TG2	DO NOT EDIT	
Trk Preempt Yelo for 2nd Track ø's	TY3	3.0	3.0 TO 25.5 sec
Trk Preempt Red for 2nd Track ø's	TR3	0.0	0 TO 25.5 sec
Min Preempt Dwell Green	TPM	3	0 TO 255 sec
Trk Preempt Gap for Dwell ø's	TPG	3.0	0 TO 25.5 sec
Trk Preempt Yelo for Preempt ø's	TY4	3.0	3.0 TO 25.5 sec
Trk Preempt Red for Preempt ø's	TR4	1.0	0 TO 25.5 sec

RR Pre Sequence Sel		Key: 390 - Page - 9 - Enter							
		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
1st Trak Clear Grn	CRG	.	.	.	.	.	.	.	.
1st Trak Clear OVL	COG	.	.	.	.	1 TO 4			
2nd Trak Clear Grn	TC2	.	.	.	.	.	.	.	.
2nd Trak Clear OVL	T2O	.	.	.	.	1 TO 4			
RR Prmpt Hold Grn	TGR	.	.	.	.	.	.	.	.
RR Prmpt Hold OVL	TOG	.	.	.	.	1 TO 4			
RR Prmpt Retn Grn	TRG	.	.	.	.	.	.	.	.
RR Prmpt Ret OVL	TRO	.	.	.	.	1 TO 4			
Prempt Red Revert	PRR	2.0		2.0 TO 25.5 sec					
Ped Calls After	PPE	.	.	.	.	.	.	.	.
Veh Calls After	PVE	.	.	.	.	.	.	.	.
Veh Omits-Mini	TVO	.	.	.	.	.	.	.	.
Ped Omits-Mini	TPO	.	.	.	.	.	.	.	.
OVLP Omits-Mini	TOO	.	.	.	.	1 TO 4			

Traconex TMP-390 **CITY OF SACRAMENTO**

Intersection #: 485 **IP Address:** 0
N/S St: Evergreen St **E/W St:** El Camino Ave
Device ID: 5054 **Channel:** 61 **Drop#:** 4

Manual Selections		Key: 390 - Page - 11 - Enter	
Man Free-Coord	F/C	0	0=Free 1=Coordinated
Man Semi or Fully Act	S/F	0	0=Semi 1=Fully
Man Dwnld Request	DRQ	0	0=OFF 1=ON
Synch Puls Tolerance	SYC	2	0 TO 10 sec
Master/Local Cycle	M/L	1	0=Master 1=Local
Man Cycle Plan	CP	0	0 TO 18
Man Offset Selection	OFF	0	0 TO 5
Man Local/Remote	L/R	1	0=Local 1=Remote
Man TOD Plan	TDP	0	0 TO 48
Det Sample Period	SMP	15	0-255 sec
Divide Vol 4 Report	DVV	1	1 TO 100
Enable Max Coord	CME	. .	. . . .
Disable Ped Omit Crd	DPO	. .	. . . .
Enable Secdry Coord	SCP	. .	. . . .

Manual Offset Set		Key: 390 - Page - 35 - Enter	
Select CP to Synch	CP	0	1 TO 6
Select Ofset to Synch	OFF	0	1 TO 5
Synch	SET	0	SET 1,Press ENTER to Synch

System Parameters		Key: 390 - Page - 15 - Enter	
System Enable	SYE	2	0 TO 2,1=Traconet 2= TOC
System Det Enable	SDT	. .	. . . .
Drop Address	ADD	4	0 TO 31
Inter Plan# Disp	IPL	0	0 TO 48 READ ONLY
Inter Plan Mode	IPM	1	0 TO 2,2=WWV Time Receive
Local Det Fail Time	DFT	255	0-255 sec
Failed Local Det Disp	FDT	. .	. . . .
Enable Local Det Mon	DFM	. .	. . . .
Disp Local 5min Vol	5MV	0	0 TO 255
Sync Time to Hour	SHR	0	0 TO 23
Sync Time to Min	SMN	0	0 TO 59
Time On-Line B4 Bkup	ONL	5	min 0 TO 255 0=MODE2
Dyn Split Adjust, Glob	DSA	1	0 TO 1
Dyn Split Adjust Max	DS%	25	0 TO 100
DB Change Flag	DBC		NO ACCESS
Drop Request	DRP	0	0 TO 1

Intersection #:	485	**IP Address:**	0	**0**=NEMA	**4**=5&6	**8**=7&8	**12**=5&6, 7&8
N/S St:	Evergreen St	**E/W St:**	El Camino Ave	**1**=1&2	**5**=1&2, 5&6	**9**=1&2, 7&8	**13**=1&2, 5&6, 7&8
Device ID:	5054	**Channel:**	61	**2**=3&4	**6**=3&4, 5&6	**10**=3&4, 7&8	**14**=3&4, 5&6, 7&8
		Drop#:	4	**3**=1&2, 3&4	**7**=1&2, 3&4, 5&6	**11**=1&2, 3&4, 7&8	**15**=All ø's Rotated

Cycle Plans 1 - 6

Key: 390 - Page - 12 - Enter

	DISPLAY	Cycle Plan #1			DISPLAY	Cycle Plan #2			DISPLAY	Cycle Plan #3	
Cycle Length	CYC	**60**	sec 0 TO 255,0=Inhibit	Cycle Length	CYC	**66**	sec 0 TO 255,0=Inhibit	Cycle Length	CYC	**80**	sec 0 TO 255,0=Inhibit
Offset 1	OF1	**46**	sec 0 TO 255	Offset 1	OF1	**53**	sec 0 TO 255	Offset 1	OF1	**54**	sec 0 TO 255
Offset 2	OF2	**0**	sec 0 TO 255	Offset 2	OF2	**0**	sec 0 TO 255	Offset 2	OF2	**0**	sec 0 TO 255
Offset 3	OF3	**0**	sec 0 TO 255	Offset 3	OF3	**0**	sec 0 TO 255	Offset 3	OF3	**0**	sec 0 TO 255
Offset 4	OF4	**0**	sec 0 TO 255	Offset 4	OF4	**0**	sec 0 TO 255	Offset 4	OF4	**0**	sec 0 TO 255
Offset 5	OF5	**0**	sec 0 TO 255	Offset 5	OF5	**0**	sec 0 TO 255	Offset 5	OF5	**0**	sec 0 TO 255
Spcl Fnctn #3 ON	SON	**0**	sec 0 TO 255	Spcl Fnctn #3 ON	SON	**0**	sec 0 TO 255	Spcl Fnctn #3 ON	SON	**0**	sec 0 TO 255
Spcl Fnctn #3 OFF	SOF	**0**	sec 0 TO 255	Spcl Fnctn #3 OFF	SOF	**0**	sec 0 TO 255	Spcl Fnctn #3 OFF	SOF	**0**	sec 0 TO 255
Max Shrinkage	SHK	**2**	sec 0 TO 255	Max Shrinkage	SHK	**2**	sec 0 TO 255	Max Shrinkage	SHK	**2**	sec 0 TO 255
Max Expansion	EXP	**20**	sec 1 TO 255	Max Expansion	EXP	**20**	sec 1 TO 255	Max Expansion	EXP	**20**	sec 1 TO 255
Main St Yield	YLD	**0**	sec 0 TO 255	Main St Yield	YLD	**0**	sec 0 TO 255	Main St Yield	YLD	**0**	sec 0 TO 255
Sequence Select	SEQ	**0**	0 TO 15	Sequence Select	SEQ	**0**	0 TO 15	Sequence Select	SEQ	**0**	0 TO 15
Main St Green	MSG	. **2** . . **5** . . .		Main St Green	MSG	. **2** . . **5** . . .		Main St Green	MSG	. **2** . . **5** . . .	
ø1 Split	SD1	**14**	sec 0 TO 255	ø1 Split	SD1	**18**	sec 0 TO 255	ø1 Split	SD1	**20**	sec 0 TO 255
ø2 Split	SD2	**20**	sec 0 TO 255	ø2 Split	SD2	**22**	sec 0 TO 255	ø2 Split	SD2	**24**	sec 0 TO 255
ø3 Split	SD3	**13**	sec 0 TO 255	ø3 Split	SD3	**14**	sec 0 TO 255	ø3 Split	SD3	**18**	sec 0 TO 255
ø4 Split	SD4	**13**	sec 0 TO 255	ø4 Split	SD4	**12**	sec 0 TO 255	ø4 Split	SD4	**18**	sec 0 TO 255
ø5 Split	SD5	**20**	sec 0 TO 255	ø5 Split	SD5	**22**	sec 0 TO 255	ø5 Split	SD5	**24**	sec 0 TO 255
ø6 Split	SD6	**14**	sec 0 TO 255	ø6 Split	SD6	**18**	sec 0 TO 255	ø6 Split	SD6	**20**	sec 0 TO 255
ø7 Split	SD7	**0**	sec 0 TO 255	ø7 Split	SD7	**0**	sec 0 TO 255	ø7 Split	SD7	**0**	sec 0 TO 255
ø8 Split	SD8	**26**	sec 0 TO 255	ø8 Split	SD8	**26**	sec 0 TO 255	ø8 Split	SD8	**36**	sec 0 TO 255

	DISPLAY	Cycle Plan #4			DISPLAY	Cycle Plan #5			DISPLAY	Cycle Plan #6	
Cycle Length	CYC	**66**	sec 0 TO 255,0=Inhibit	Cycle Length	CYC	**0**	sec 0 TO 255,0=Inhibit	Cycle Length	CYC	**0**	sec 0 TO 255,0=Inhibit
Offset 1	OF1	**53**	sec 0 TO 255	Offset 1	OF1	**0**	sec 0 TO 255	Offset 1	OF1	**0**	sec 0 TO 255
Offset 2	OF2	**0**	sec 0 TO 255	Offset 2	OF2	**0**	sec 0 TO 255	Offset 2	OF2	**0**	sec 0 TO 255
Offset 3	OF3	**0**	sec 0 TO 255	Offset 3	OF3	**0**	sec 0 TO 255	Offset 3	OF3	**0**	sec 0 TO 255
Offset 4	OF4	**0**	sec 0 TO 255	Offset 4	OF4	**0**	sec 0 TO 255	Offset 4	OF4	**0**	sec 0 TO 255
Offset 5	OF5	**0**	sec 0 TO 255	Offset 5	OF5	**0**	sec 0 TO 255	Offset 5	OF5	**0**	sec 0 TO 255
Spcl Fnctn #3 ON	SON	**0**	sec 0 TO 255	Spcl Fnctn #3 ON	SON	**0**	sec 0 TO 255	Spcl Fnctn #3 ON	SON	**0**	sec 0 TO 255
Spcl Fnctn #3 OFF	SOF	**0**	sec 0 TO 255	Spcl Fnctn #3 OFF	SOF	**0**	sec 0 TO 255	Spcl Fnctn #3 OFF	SOF	**0**	sec 0 TO 255
Max Shrinkage	SHK	**2**	sec 0 TO 255	Max Shrinkage	SHK	**0**	sec 0 TO 255	Max Shrinkage	SHK	**25**	sec 0 TO 255
Max Expansion	EXP	**20**	sec 1 TO 255	Max Expansion	EXP	**0**	sec 1 TO 255	Max Expansion	EXP	**25**	sec 1 TO 255
Main St Yield	YLD	**0**	sec 0 TO 255	Main St Yield	YLD	**0**	sec 0 TO 255	Main St Yield	YLD	**5**	sec 0 TO 255
Sequence Select	SEQ	**0**	0 TO 15	Sequence Select	SEQ	**0**	0 TO 15	Sequence Select	SEQ	**0**	0 TO 15
Main St Green	MSG	. **2** . . **5** . . .		Main St Green	MSG	. **2**		Main St Green	MSG	. . . .	
ø1 Split	SD1	**18**	sec 0 TO 255	ø1 Split	SD1	**0**	sec 0 TO 255	ø1 Split	SD1	**15**	sec 0 TO 255
ø2 Split	SD2	**22**	sec 0 TO 255	ø2 Split	SD2	**0**	sec 0 TO 255	ø2 Split	SD2	**25**	sec 0 TO 255
ø3 Split	SD3	**13**	sec 0 TO 255	ø3 Split	SD3	**0**	sec 0 TO 255	ø3 Split	SD3	**15**	sec 0 TO 255
ø4 Split	SD4	**22**	sec 0 TO 255	ø4 Split	SD4	**0**	sec 0 TO 255	ø4 Split	SD4	**25**	sec 0 TO 255
ø5 Split	SD5	**18**	sec 0 TO 255	ø5 Split	SD5	**0**	sec 0 TO 255	ø5 Split	SD5	**15**	sec 0 TO 255
ø6 Split	SD6	**20**	sec 0 TO 255	ø6 Split	SD6	**0**	sec 0 TO 255	ø6 Split	SD6	**25**	sec 0 TO 255
ø7 Split	SD7	**0**	sec 0 TO 255	ø7 Split	SD7	**0**	sec 0 TO 255	ø7 Split	SD7	**15**	sec 0 TO 255
ø8 Split	SD8	**26**	sec 0 TO 255	ø8 Split	SD8	**40**	sec 0 TO 255	ø8 Split	SD8	**25**	sec 0 TO 255

Traconex TMP-390 | CITY OF SACRAMENTO

Intersection #: 485 | IP Address: 0

N/S St: Evergreen St | E/W St: El Camino Ave

Device ID: 5054 | Channel: 61 | Drop#: 4

DOW Types:

0= One Time Event | 1=Sundays | 2=Mondays | 3=Tuesdays | 4=Wednesdays | 5=Thursdays | 6=Fridays | 7=Saturdays | 8=All Weekdays | 9= All Weekend Days | 10=Every Day

TOD Plans 1 - 6

Key: 390 - Page - 16 - Enter

	DISPLAY	TOD Plan #1		TOD Plan #2		TOD Plan #3	
TOD Plan #	NUM	1	0 TO 48	2	0 TO 48	3	0 TO 48
Effective Year	YR	93	0 TO 99	93	0 TO 99	93	0 TO 99
Effective Month	MON / TUE / WED	1	1 TO 12	1	1 TO 12	1	1 TO 12
Effective Day	DOM	1	1 TO 31	1	1 TO 31	1	1 TO 31
Effective Hour	HR	0	0 TO 23	6	0 TO 23	6	0 TO 23
Effective Minute	MIN	0	0 TO 59	0	0 TO 59	30	0 TO 59
Effective DOW	TYP	10	0 TO 10	10	0 TO 10	8	0 TO 10
Free or Coord	F/C	0	0 TO 1,0=Free 1=Coord	1	0 TO 1,0=Free 1=Coord	1	0 TO 1,0=Free 1=Coord
Sel Det, WRM, CNA	MDT		1,2,3,7,8		1,2,3,7,8		1,2,3,7,8
Dyn Spl Adj	DSA	0	0 TO 1	0	0 TO 1	0	0 TO 1
Cycle Plan Sel	CP	0	0 TO 48	1	0 TO 48	2	0 TO 48
Offset Select	OFF	0	0 TO 48	1	0 TO 48	1	0 TO 48
Semi/Fully Act	S/F	0	0 TO 48	0	0 TO 48	0	0 TO 48
Flash Enable	FLA	0	0 TO 48	0	0 TO 48	0	0 TO 48
Spcl Func Enbl	SPF						
Dimming Enable	DIM	0	0 TO 1 0=Off 1=On	0	0 TO 1 0=Off 1=On	0	0 TO 1 0=Off 1=On
TOD Min Recall	MNR						
TOD Max Recall	MXR						
TOD Ped Recall	PDR						
TOD Max2 Sel	MX2			4 8		4 8	
Density Enable	DEN						
Phase Rotation	SEQ	0	0 TO 15	0	0 TO 15	0	0 TO 15
Cond Service	CSV						
Rest in Red	RRD						
Phase Omit	OMT						
Ped Omit	OMP						
Omit All Red	OMR						

	DISPLAY	TOD Plan #4		TOD Plan #5		TOD Plan #6	
TOD Plan #	NUM	4	0 TO 48	5	0 TO 48	6	0 TO 48
Effective Year	YR	93	0 TO 99	93	0 TO 99	93	0 TO 99
Effective Month	TUE / WED	1	1 TO 12	1	1 TO 12	1	1 TO 12
Effective Day	DOM	1	1 TO 31	1	1 TO 31	1	1 TO 31
Effective Hour	HR	9	0 TO 23	11	0 TO 23	13	0 TO 23
Effective Minute	MIN	0	0 TO 59	30	0 TO 59	30	0 TO 59
Effective DOW	TYP	8	0 TO 10	8	0 TO 10	8	0 TO 10
Free or Coord	F/C	1	0 TO 1,0=Free 1=Coord	1	0 TO 1,0=Free 1=Coord	1	0 TO 1,0=Free 1=Coord
Sel Det, WRM, CNA	MDT		1,2,3,7,8		1,2,3,7,8		1,2,3,7,8
Dyn Spl Adj	DSA	0	0 TO 1	0	0 TO 1	0	0 TO 1
Cycle Plan Sel	CP	1	0 TO 48	3	0 TO 48	1	0 TO 48
Offset Select	OFF	1	0 TO 48	1	0 TO 48	1	0 TO 48
Semi/Fully Act	S/F	0	0 TO 48	0	0 TO 48	0	0 TO 48
Flash Enable	FLA	0	0 TO 48	0	0 TO 48	0	0 TO 48
Spcl Func Enbl	SPF						
Dimming Enable	DIM	0	0 TO 1 0=Off 1=On	0	0 TO 1 0=Off 1=On	0	0 TO 1 0=Off 1=On
TOD Min Recall	MNR						
TOD Max Recall	MXR						
TOD Ped Recall	PDR						
TOD Max2 Sel	MX2 / MX3 / MX4	4 8		4 8		4 8	
Density Enable	DEN						
Phase Rotation	SEQ	0	0 TO 15	0	0 TO 15	0	0 TO 15
Cond Service	CSV						
Rest in Red	RRD						
Phase Omit	OMT						
Ped Omit	OMP						
Omit All Red	OMR						

Traconex TMP-391 CITY OF SACRAMENTO

Intersection #: 0 IP Address: 0
N/S St: 0 E/W St: 0
Device ID: 0 Channel: 0 Drop#: 0

DOW Types:
0= One Time Event 1=Sundays 2=Mondays 3=Tuesdays 4=Wednesdays 5=Thursdays 6=Fridays 7=Saturdays 8=All Weekdays 9= All Weekend Days 10=Every Day

TOD Plans 7 - 12 Key: 390 - Page - 17 - Enter

	DISPLAY	TOD Plan #7	TOD Plan #8	TOD Plan #9
TOD Plan #	NUM	7 (0 TO 48)	8 (0 TO 48)	0 (0 TO 48)
Effective Year	YR	1 (0 TO 99)	1 (0 TO 99)	0 (0 TO 99)
Effective Month	TUE	1 (1 TO 12)	1 (1 TO 12)	0 (1 TO 12)
Effective Day	DOM	1 (1 TO 31)	1 (1 TO 31)	0 (1 TO 31)
Effective Hour	HR	15 (0 TO 23)	18 (0 TO 23)	0 (0 TO 23)
Effective Minute	MIN	30 (0 TO 59)	0 (0 TO 59)	0 (0 TO 59)
Effective DOW	TYP	8 (0 TO 10)	8 (0 TO 10)	0 (0 TO 10)
Free or Coord	F/C	1 (0 TO 1,0=Free 1=Coord)	0 (0 TO 1,0=Free 1=Coord)	0 (0 TO 1,0=Free 1=Coord)
Sel Det, WRM, CNA	MDT	1,2,3,7,8	1,2,3,7,8	1,2,3,7,8
Dyn Spl Adj	DSA	0 (0 TO 1)	0 (0 TO 1)	0 (0 TO 1)
Cycle Plan Sel	CP	4 (0 TO 48)	1 (0 TO 48)	0 (0 TO 48)
Offset Select	OFF	1 (0 TO 48)	1 (0 TO 48)	0 (0 TO 48)
Semi/Fully Act	S/F	0 (0 TO 48)	0 (0 TO 48)	0 (0 TO 48)
Flash Enable	FLA	0 (0 TO 48)	0 (0 TO 48)	0 (0 TO 48)
Spcl Func Enbl	SPF			
Dimming Enable	DIM	0 (0 TO 1 0=Off 1=On)	0 (0 TO 1 0=Off 1=On)	0 (0 TO 1 0=Off 1=On)
TOD Min Recall	MNR			
TOD Max Recall	MXR			
TOD Ped Recall	PDR			
TOD Max2 Sel	MX2		4 8	MX4
Density Enable	DEN			
Phase Rotation	SEQ	0 (0 TO 15)	0 (0 TO 15)	0 (0 TO 15)
Cond Service	CSV			
Rest in Red	RRD			
Phase Omit	OMT			
Ped Omit	OMP			
Omit All Red	OMR			

	DISPLAY	TOD Plan #10	TOD Plan #11	TOD Plan #12
TOD Plan #	NUM	0 (0 TO 48)	0 (0 TO 48)	0 (0 TO 48)
Effective Year	YR	0 (0 TO 99)	0 (0 TO 99)	0 (0 TO 99)
Effective Month	WED	0 (1 TO 12)	TUE 0 (1 TO 12)	0 (1 TO 12)
Effective Day	DOM	0 (1 TO 31)	0 (1 TO 31)	0 (1 TO 31)
Effective Hour	HR	0 (0 TO 23)	0 (0 TO 23)	0 (0 TO 23)
Effective Minute	MIN	0 (0 TO 59)	0 (0 TO 59)	0 (0 TO 59)
Effective DOW	TYP	0 (0 TO 10)	0 (0 TO 10)	0 (0 TO 10)
Free or Coord	F/C	0 (0 TO 1,0=Free 1=Coord)	0 (0 TO 1,0=Free 1=Coord)	0 (0 TO 1,0=Free 1=Coord)
Sel Det, WRM, CNA	MDT	1,2,3,7,8	1,2,3,7,8	1,2,3,7,8
Dyn Spl Adj	DSA	0 (0 TO 1)	0 (0 TO 1)	0 (0 TO 1)
Cycle Plan Sel	CP	0 (0 TO 48)	0 (0 TO 48)	0 (0 TO 48)
Offset Select	OFF	0 (0 TO 48)	0 (0 TO 48)	0 (0 TO 48)
Semi/Fully Act	S/F	0 (0 TO 48)	0 (0 TO 48)	0 (0 TO 48)
Flash Enable	FLA	0 (0 TO 48)	0 (0 TO 48)	0 (0 TO 48)
Spcl Func Enbl	SPF			
Dimming Enable	DIM	0 (0 TO 1 0=Off 1=On)	0 (0 TO 1 0=Off 1=On)	0 (0 TO 1 0=Off 1=On)
TOD Min Recall	MNR			
TOD Max Recall	MXR			
TOD Ped Recall	PDR			
TOD Max2 Sel	MX4		MX3	MX4
Density Enable	DEN			
Phase Rotation	SEQ	0 (0 TO 15)	0 (0 TO 15)	0 (0 TO 15)
Cond Service	CSV			
Rest in Red	RRD			
Phase Omit	OMT			
Ped Omit	OMP			
Omit All Red	OMR			

Traconex TMP-390 **CITY OF SACRAMENTO**

Intersection #: 485 **IP Address:** 0
N/S St: Evergreen St **E/W St:** El Camino Ave
Device ID: 5054 **Channel:** 61 **Drop#:** 4

Aux Detector Parameters		Key: 390 - Page - 33 - Enter							
Auxiliary Detector #1		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Det Phas Assign	PPH	.	.	.	.	.	.	.	.
Delay B4 Call	DLY	0	sec						
Ext of Call	EXT	0.0	sec						
Type of Disconnect	DSC	0	0 TO 4						
Length of Det Area	LEN	22	Veh - Det (Ft) 1 TO 223						
Avg Speed Readout	SPD	0	1min Speed (MPH) 1 TO 255						
Auxiliary Detector #2		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Det Phas Assign	PPH	.	2	.	.	.	.	.	.
Delay B4 Call	DLY	0	sec						
Ext of Call	EXT	0.0	sec						
Type of Disconnect	DSC	0	1 TO 4						
Length of Det Area	LEN	22	Veh - Det (Ft) 1 TO 224						
Avg Speed Readout	SPD	0	1min Speed (MPH) 1 TO 256						
Auxiliary Detector #3		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Det Phas Assign	PPH	.	.	.	.	.	.	.	.
Delay B4 Call	DLY	0	sec						
Ext of Call	EXT	0.0	sec						
Type of Disconnect	DSC	0	2 TO 4						
Length of Det Area	LEN	22	Veh - Det (Ft) 1 TO 225						
Avg Speed Readout	SPD	0	1min Speed (MPH) 1 TO 257						
Auxiliary Detector #4		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Det Phas Assign	PPH	.	.	.	.	.	.	.	.
Delay B4 Call	DLY	0	sec						
Ext of Call	EXT	0.0	sec						
Type of Disconnect	DSC	0	3 TO 4						
Length of Det Area	LEN	22	Veh - Det (Ft) 1 TO 226						
Avg Speed Readout	SPD	0	1min Speed (MPH) 1 TO 258						

Aux Detector Parameters		Key: 390 - Page - 33 - Enter							
Auxiliary Detector #5		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Det Phas Assign	PPH	.	.	.	.	5	.	.	.
Delay B4 Call	DLY	0	sec						
Ext of Call	EXT	0.0	sec						
Type of Disconnect	DSC	0	0 TO 4						
Length of Det Area	LEN	22	Veh - Det (Ft) 1 TO 223						
Avg Speed Readout	SPD	0	1min Speed (MPH) 1 TO 255						
Auxiliary Detector #6		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Det Phas Assign	PPH	.	.	.	.	.	.	.	.
Delay B4 Call	DLY	0	sec						
Ext of Call	EXT	0.0	sec						
Type of Disconnect	DSC	0	1 TO 4						
Length of Det Area	LEN	22	Veh - Det (Ft) 1 TO 224						
Avg Speed Readout	SPD	0	1min Speed (MPH) 1 TO 256						
Auxiliary Detector #7		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Det Phas Assign	PPH	.	.	.	.	.	.	.	.
Delay B4 Call	DLY	0	sec						
Ext of Call	EXT	0.0	sec						
Type of Disconnect	DSC	0	2 TO 4						
Length of Det Area	LEN	22	Veh - Det (Ft) 1 TO 225						
Avg Speed Readout	SPD	0	1min Speed (MPH) 1 TO 257						
Auxiliary Detector #8		Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
Det Phas Assign	PPH	.	.	.	.	.	.	.	.
Delay B4 Call	DLY	0	sec						
Ext of Call	EXT	0.0	sec						
Type of Disconnect	DSC	0	3 TO 4						
Length of Det Area	LEN	22	Veh - Det (Ft) 1 TO 226						
Avg Speed Readout	SPD	0	1min Speed (MPH) 1 TO 258						

Econolite ASC/2 CITY OF SACRAMENTO

CONTROLLER DETECTOR SCHEDULE

Intersection #: 0 IP Address: 0
N/S St: 0 E/W St: 0
Device ID: 0 Channel: 0 Drop#: 0

	Phase	Controller Detector Input	Location	Direction	Controller / Detector Type / Function			
					Extend	Delay	Passage	Notes
BIU 1	Loops or Retrofit Video							All Detection Type 1 or 5
	Φ1	1		E-N			X	video
	Φ2	2	Rear	WB			X	video type 3
	Φ3	3		N-W			X	
	Φ4	4		SB			X	
	Φ5	5	Rear	W-S			X	video type 3
	Φ6	6		EB			X	Video
	Φ7	7		S-E			X	
	Φ8	8		NB			X	
	Loops							
	Φ1	9	Rear	E-N			X	
	Φ2	10	Rear	WB			X	
	Φ3	11	Rear	N-W			X	
	Φ4	12	Rear	SB			X	
	Φ5	13	Rear	W-S			X	
	Φ6	14	Rear	EB			X	
	Φ7	15	Rear	S-E			X	
	Φ8	16	Rear	NB			X	
BIU 2	New Video Detection BIU 2 RESERVED							
		17-32						
BIU 3	Φ1	33	Front (left)	E-N			X	not used
	Φ1	34		E-N				not used
	Φ6	35	Front (through)	EB			X	not used
	Φ6	36		EB				not used
	Φ6	37		EB				not used
	Φ6	38		EB				not used
	Φ6	39	Bike	EB	2 sec		X	not used
	Φ6	40	Right	E-S			X	not used
	Φ5	41	Front (left)	W-S			X	not used
	Φ5	42		W-S				not used
	Φ2	43	Front (through)	WB			X	not used
	Φ2	44		WB				not used
	Φ2	45		WB				not used
	Φ2	46		WB				not used
	Φ2	47	Bike	EB	2 sec		X	not used
	Φ2	48	Right	E-S			X	not used
BIU 4	Φ3	49	Front (left)	N-W			X	not used
	Φ3	50		N-W				not used
	Φ8	51	Front (through)	NB			X	not used
	Φ8	52		NB				not used
	Φ8	53		NB				not used
	Φ8	54		NB				not used
	Φ8	55	Bike	EB	2 sec		X	not used
	Φ8	56	Right	E-S			X	not used
	Φ7	57	Front (left)	S-E			X	not used
	Φ7	58		S-E				not used
	Φ4	59	Front (through)	SB			X	not used
	Φ4	60		SB				not used
	Φ4	61		SB				not used
	Φ4	62		SB				not used
	Φ4	63	Bike	EB	2 sec		X	not used
	Φ4	64	Right	E-S			X	not used

Traconex TMP 390 M0d

CITY OF SACRAMENTO

Reviewed: [signature]

Compiled by: [signature]

Approved: [signature] 1/15/13

Date Implemented: 1/17/13

Phase Timing — Key: 390 - Page - 3 - Enter

Phase		1	2	3	4	5	6	7	8
Min Green	MIN	9	7	9	8	7	8		4
Walk	WLK		4			4			5
Ped Clr	WCL		10			10			19
Passage Time	PSG	2.0	2.9	2.0	2.0	2.9	2.0		2.0
Max No. 1	MX1								
Max No. 2	MX2								
Yellow Clr	YEL	3.5	4.3	3.7	3.7	4.3	3.5		3.7
All Red Clr	RED		0.3			0.3			
Red Revert	RRT	2.0	2.0	2.0	2.0	2.0	2.0		2.0
Act. B4 Added	ABA								
Sec / Act	S/A								
Max Initial	MXI								
Time B4 Reduce	TBR								
Time to Reduce	TTR								
Min Gap	MNG								
Cond Min Green	CMN								

Options — Key: 390 - Page - 2 - Enter

Phase		8	7	6	5	4	3	2	1
Phase in Use	USE	8		6	5	4	3	2	1
Ped Phases	PED	8			5			2	
Flashing Walk	FWK								
Act Rest in Walk	ARW								
Walk Clr Protect	WCP								
Density Phases	DEN								
Last Car Passage	LCP								
Veh call to NonAct 1	VN1								
Ped call to NonAct 1	PN1								
Veh call to NonAct 2	VN2								
Ped call to NonAct 2	PN2								
Fast Flash Green	FGN								
Enable Menu Scroll	MNU								
Left Turn Yellow Blan	LAB								
Select Anti -Backup	ABU								

Additional Parameters — Key: 390 - Page 4 - Enter

Phase		8	7	6	5	4	3	2	1
Power Up Flash	PUF			sec					
Start Up Red Time	SAR	6		sec					
Start Up in Red	SUR								
Start up in Yel	SUY				5			2	
Start Up In Green	SUG								
Main ST (MUTCD)	MSF				5			2	
Min MUTCD FL Time	FMN	15		sec					
Dual Entry	DLE				5			2	
Sim Gap Out	SGO				5			2	
Min Recall	MNR				5			2	
Min Soft Recall	MNS								
Max Recall	MXR								
Ped Recall	PDR								
Lock Detector	LKD				5			2	
Liq Crys Dis Test	LCD	0		0=OFF 1=ON					
Backlight On/Off	LBT	1		0=OFF 1=ON					

CITY OF SACRAMENTO

MORE DATA

Function Enable — **Key: 390 - Page - 6 - Enter**

Frnt Pnl O/L Enable	FOE	1	0 TO 3
Spcl Func Enable	SFE	0	0 OR 1 0=OFF 1=ON
Stop Time Enable	STE	0	0 OR 1 0=OFF 1=ON
Seq Rotat Enable	SQE	0	0 TO 2
Cond Serv Enable	CSE		6 1
Neg OVL Enable	NOE	0	0 OR 1 0=OFF 1=ON
Dimming Enable	DME	0	1=50%, 2=66%, 3=
Pre w/Flsh Dwell	PFE	Preempt 1-5	
Preempt Out Mode	POM	0	0 TO 3
TOD On/Off	TOD	1	0 OR 1 0=OFF 1=ON
Coord On/Off	CRD	1	0 OR 1 0=OFF 1=ON
Diag Test Enable	DIA	1 TO 4	1 2 3 4
Security Code Accs	SCY	0	0-255 0=No Code
Config Control	CFG	0	0 TO 7
Volt Mon off Dur Flsh	FLE	1	0=OFF 1=ON
ime after Init B4 reduc	TBS	0	0 OR 1

More Data — **Key: 390 - Page - 7 - Enter**

Printer Report Enable	PNT		0 TO 99
Manual ø Rotate Sel	SQK		0 TO 15
Disp ø Seq, Remote	SQC		0 TO 15
Disp Effect ø Seq	SQI		0 TO 15
Dimming Red Enable	DRD		
Dimming Yello Enable	DYL		
Dimming Grn Enable	DGN		
Dim Ped Walk Enable	DWK		
Dim Ped DWlk Enable	DDW		
Dim Red OVLP's	DOR		
Dim Yello OVLP's	DOY		
Dim Grn OVLP's	DOG		
Clock	CLK		READ ONLY
Non Volatile Ram Sel	NVR		.
Active TOD Plan	ACT	0	0 TO 48
Audible Keyboard	AUD	1	0 OR 1 O=OFF 1=ON

Traconex TMP 390 M0d

CITY OF SACRAMENTO

PREEMPT

Emergency Vehicle Preempt

Key: 390 - Page - 10 - Enter

Preempt		1	2	3	4
EVP Delay	EDE	0	0	0	0
EVP Ped Clear	EPC	19	19	19	19
EVP Yellow Clear #1	EY1	4.3	4.3	4.3	4.3
EVP Red Clear #1	ER1	0.3	0.3	0.3	0.3
EVP Min Green	EMN	6	6	6	6
EVP Gap Time	EPG	3.0	3.0	3.0	3.0
EVP Yellow Clear #2	EY2	4.3	4.3	4.3	4.3
EVP Red Clear #2	ER2	0.3	0.3	0.3	0.3
EVP Green Dwell	PRG	1 5	2 6	3	4
EVP OVL Green Dwell	OLG				
EVP Return ø	ERG				
OVL On w/ Return	ROG				
Lock / Max Mode	LOK	3 1	4 2	5 3	6 4
EVP Max Green	EMX	55	55	55	55

Railroad Preempt

Key: 390 - Page - 8 - Enter

Ped Clearr into RR Preempt	TPC	6	0 TO 255 sec
RR Preempt Yelo for Premptd ø's	TY1	3.5	3.0 TO 25.5 sec
RR Prempt All Red for Premptd ø's	TR1	0.0	0 TO 25.5 sec
1st Track Clear Min Green	TM1	12	0 TO 255 sec
DO NOT EDIT	TG1	DO NOT EDIT	
Trk Prempt Yelo for 1st Track ø's	TY2	3.5	3.0 TO 25.5 sec
Trk Prempt Red for 1st Track ø's	TR2	0.0	0 TO 25.5 sec
2nd Track Clear Min Green	TM2	0	0 TO 255 sec
DO NOT EDIT	TG2	DO NOT EDIT	
Trk Preempt Yelo for 2nd Track ø's	TY3	3.0	3.0 TO 25.5 sec
Trk Preempt Red for 2nd Track ø's	TR3	0.0	0 TO 25.5 sec
Min Preempt Dwell Green	TPM	22	0 TO 255 sec
Trk Preempt Gap for Dwell ø's	TPG	3.0	0 TO 25.5 sec
Trk Preempt Yelo for Preempt ø's	TY4	3.5	3.0 TO 25.5 sec
Trk Preempt Red for Preempt ø's	TR4	1.0	0 TO 25.5 sec

RR Pre Sequence Sel

Key: 390 - Page - 9 - Enter

Phase		8	7	6	5	4	3	2	1
1st Trak Clear Grn	CRG								
1st Trak Clear OVL	COG	1 TO 4							
2nd Trak Clear Grn	TC2								
2nd Trak Clear OVL	T2O	1 TO 4							
RR Prmpt Hold Grn	TGR								
RR Prmpt Hold OVL	TOG	1 TO 4							
RR Prmpt Retn Grn	TRG								
RR Prmpt Ret OVL	TRO	1 TO 4							
Prempt Red Revert	PRR	2.0	2.0 TO 25.5 sec						
Ped Calls After	PPE								
Veh Calls After	PVE								
Veh Omits-Mini	TVO								
Ped Omits-Mini	TPO								
OVLP Omits-Mini	TOO	1 TO 4							1

CITY OF SACRAMENTO

OPTIONS

Manual Selections

Key: 390 - Page - 11 - Enter

Man Free-Coord	F/C	0	0=Free 1=Coordinated
Man Semi or Fully Act	S/F	0	0=Semi 1=Fully
Man Dwnld Request	DRQ	0	0=OFF 1=ON
Synch Puls Tolerance	SYC	2	0 TO 10 sec
Master/Local Cycle	M/L	1	0=Master 1=Local
Man Cycle Plan	CP	0	0 TO 18
Man Offset Selection	OFF	0	0 TO 5
Man Local/Remote	L/R	1	0=Local 1=Remote
Man TOD Plan	TDP	0	0 TO 48
Det Sample Period	SMP	15	0-255 sec
Divide Vol 4 Report	DVV	1	1 TO 100
Enable Max Coord	CME		
Disable Ped Omit Crd	DPO		
Enable Secdry Coord	SCP		

Manual Offset Set

Key: 390 - Page - 35 - Enter

Select CP to Synch	CP	0	1 TO 6
Select Ofset to Synch	OFF	0	1 TO 5
Synch	SET	0	SET 1,Press ENTER to Synch

System Parameters

Key: 390 - Page - 15 - Enter

System Enable	SYE	2	0 TO 2,1=Traconet 2= TOC
System Det Enable	SDT		
Drop Address	ADD	4	0 TO 31
Inter Plan# Disp	IPL	0	0 TO 48 READ ONLY
Inter Plan Mode	IPM	1	0 TO 2,2=WWV Time Receive
Local Det Fail Time	DFT	255	0-255 sec
Failed Local Det Disp	FDT		
Enable Local Det Mon	DFM		
Disp Local 5min Vol	5MV	0	0 TO 255
Sync Time to Hour	SHR	0	0 TO 23
Sync Time to Min	SMN	0	0 TO 59
Time On-Line B4 Bkup	ONL	5	min 0 TO 255 0=MODE2
Dyn Split Adjust, Glob	DSA	1	0 TO 1
Dyn Split Adjust Max	DS%	25	0 TO 100
DB Change Flag	DBC	NO ACCESS	
Drop Request	DRP	0	0 TO 1

CITY OF SACRAMENTO

AUXILIARY DETECTOR PARAMETERS

Aux Detector # 1

Key: 390-Page 33-Enter

Phase		8	7	6	5	4	3	2	1	
Phase Assignment	PPH									
Delay B4 Call	DLY									sec
Ext of Call	EXT									sec
Type of Disconnect	DSC									0 to 4
Length of Det Area	LEN									Veh-Det (Ft) 1-223
Avg Speed Readout	SPD									1 min spd (mph) 1-255

Aux Detector # 2

Phase		8	7	6	5	4	3	2	1	
Phase Assignment	PPH							2		
Delay B4 Call	DLY									sec
Ext of Call	EXT									sec
Type of Disconnect	DSC									0 to 4
Length of Det Area	LEN							22		Veh-Det (Ft) 1-223
Avg Speed Readout	SPD									1 min spd (mph) 1-255

Aux Detector # 3

Phase		8	7	6	5	4	3	2	1	
Phase Assignment	PPH									
Delay B4 Call	DLY									sec
Ext of Call	EXT									sec
Type of Disconnect	DSC									0 to 4
Length of Det Area	LEN									Veh-Det (Ft) 1-223
Avg Speed Readout	SPD									1 min spd (mph) 1-255

Aux Detector # 4

Phase		8	7	6	5	4	3	2	1	
Phase Assignment	PPH									
Delay B4 Call	DLY									sec
Ext of Call	EXT									sec
Type of Disconnect	DSC									0 to 4
Length of Det Area	LEN									Veh-Det (Ft) 1-223
Avg Speed Readout	SPD									1 min spd (mph) 1-255

Aux Detector # 5

Phase		8	7	6	5	4	3	2	1	
Phase Assignment	PPH				5					
Delay B4 Call	DLY									sec
Ext of Call	EXT									sec
Type of Disconnect	DSC									0 to 4
Length of Det Area	LEN			22						Veh-Det (Ft) 1-223
Avg Speed Readout	SPD									1 min spd (mph) 1-255

Aux Detector # 6

Phase		8	7	6	5	4	3	2	1	
Phase Assignment	PPH									
Delay B4 Call	DLY									sec
Ext of Call	EXT									sec
Type of Disconnect	DSC									0 to 4
Length of Det Area	LEN									Veh-Det (Ft) 1-223
Avg Speed Readout	SPD									1 min spd (mph) 1-255

Aux Detector # 7

Phase		8	7	6	5	4	3	2	1	
Phase Assignment	PPH									
Delay B4 Call	DLY									sec
Ext of Call	EXT									sec
Type of Disconnect	DSC									0 to 4
Length of Det Area	LEN									Veh-Det (Ft) 1-223
Avg Speed Readout	SPD									1 min spd (mph) 1-255

Aux Detector # 8

Phase		8	7	6	5	4	3	2	1	
Phase Assignment	PPH									
Delay B4 Call	DLY									sec
Ext of Call	EXT									sec
Type of Disconnect	DSC									0 to 4
Length of Det Area	LEN									Veh-Det (Ft) 1-223
Avg Speed Readout	SPD									1 min spd (mph) 1-255

Econolite ASC/2

CITY OF SACRAMENTO

DETECTION SCHEDULE

Evergreen Street at El Camino Avenue

	Phase	Controller Det. Input	Location	Direction	Controller / Detector Type / Function			
					Extend	Delay	Passage	Notes
BIU 1	Loops or Retrofit Video							
	Ø1	1	Left	E-N			x	
	Ø2	2	Front	WB			x	
	Ø3	3	Front	NB			x	
	Ø4	4	Front	SB			x	
	Ø5	5	Front	EB			x	
	Ø6	6	Left	W-S			x	
	Ø7	7						
	Ø8	8						
	Loops							
	Ø1	9						
	Ø2	10	Rear	WB			x	
	Ø3	11						
	Ø4	12						
	Ø5	13	Rear	EB			x	
	Ø6	14						
	Ø7	15						
	Ø8	16						
	New Video Detection		BIU 2 (RESERVED)	17-32				
BIU 3	Ø1	33						
	Ø1	34						
	Ø6	35						
	Ø6	36						
	Ø6	37						
	Ø6	38						
	Ø6	39						
	Ø6	40						
	Ø5	41						
	Ø5	42						
	Ø2	43						
	Ø2	44						
	Ø2	45						
	Ø2	46						
	Ø2	47						
	Ø2	48						
BIU 4	Ø3	49						
	Ø3	50						
	Ø8	51						
	Ø8	52						
	Ø8	53						
	Ø8	54						
	Ø8	55						
	Ø8	56						
	Ø7	57						
	Ø7	58						
	Ø4	59						
	Ø4	60						
	Ø4	61						
	Ø4	62						
	Ø4	63						
	Ø4	64						

Econolite ASC/2

CITY OF SACRAMENTO

N/S ST: Howe Ave **E/W ST:** Fair Oaks Blvd

REVIEWED: [illegible] **APPROVED:** [signature] **DATE IMPLEMENTED:** 4/25/11

Compiled by: Wys

Controller Timing Data

Key: (F1)-2-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Min Green	14	11	11	11	13	10	11	10				
Bike Green												
CndSrv MinGrn												
Walk		7		7		7		7				
Ped Clr		25		23		20		24				
Veh Ext	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
Veh Ext 2												
Max Ext												
Max1	30	50	30	50	30	50	30	50				
Max2												
Max3												
Det Max												
Yellow	3.5	4.7	3.5	4.3	3.5	4.7	3.5	4.3				
Red Clr	2.0	0.9	1.0	0.7	2.0	0.7	1.0	0.6				
Red Rvt	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
Act B4 Init												
Sec/Actuation												
Max Initial												
Time B4 Reduct												
Cars Wt												
Time To Reduce												
Min Gap												

Controller Recall Data

Key: (F1)-2-4

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Locking Memory	1	2	3	4	5	6	7	8				
Vehicle Recall				4				8				
Ped Recall												
Recall to Max												
Soft Recall												
Don't Rest Here												
Ped Dark N/Call												

Controller Start/Flash Data

Key: (F1)-2-6

Phase	1	2	3	4	5	6	7	8	9	10	11	12
ø's Startup				4				8				
Entry Rem Flash												
Exit Rem Flash												
Rem Flash Yello												
Flsh Together ø	.	2	.	4	.	6	.	8				
Flsh Tgther OV	A:	.	B:	.	C:	.	D:	.				

Startup Intvl Rng1	Yellow
Startup Intvl Rng2	Yellow
Power Start All Red	6 sec
Power Start Flash	sec

Remote Flash Options	
Out of Flash Yellow	X
Out of Flash All Red	
Minimum Recall	X
Spare	
Flash Thru Ld Switch	
Cycle Thru Phases	

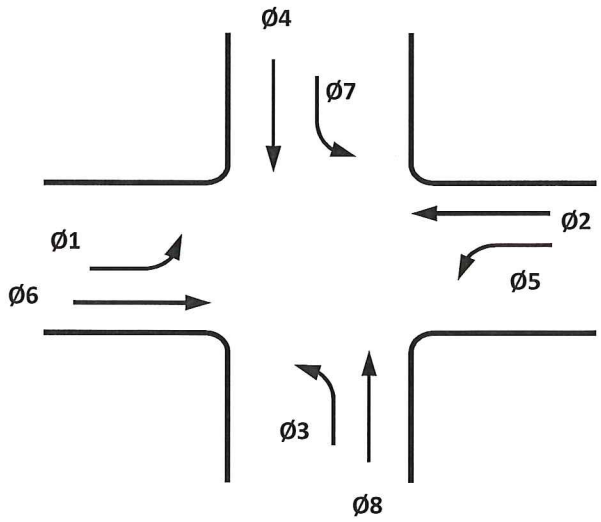
Controller Option Data

Key: (F1)-2-9

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Guar Passage												
NonActuated I				4				8				
NonActuated II				4				8				
Dual Entry		2		4		6		8				
Cond Service												
Cond Reservice												
Rest in Walk												
Flashing Walk												

Five Section Left Turn Heads						
	5-2:		7-4:		1-6:	
	3-8:		11-10:		9-12:	

Dual Entry	ON	Backup Protection Grp 1	OFF
Cond Service Enable		Backup Protection Grp 2	OFF
Cond Service Det X Switch		Backup Protection Grp 3	OFF
Ped Clr Protect	ON	Simul Gap Grp 1	ON
Spec Pre OVL Flash	OFF	Simul Gap Grp 2	ON
Lock Det in Red		Simul Gap Grp 3	ON
Reserved		unitBackup Time	
Reserved		unitRed Revert	



CITY OF SACRAMENTO

Configuration

Controller Sequence

Key: (F1)-1-1

Priority	1	2	3	4	5	6	7	8	9	10	11	12
Ring 1	1	2	3	4								
Ring 2	5	6	7	8								
CG Barrier		^		^		^						

Phases in Use

Key: (F1)-1-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Phases in Use	1	2	3	4	5	6	7	8				
Exclusive Ped												

SDLC Options

Key: (F1)-1-4

BIU Number	1	2	3	4	5	6	7	8
Term & Facil								
Detector Rack								

Type 2 Runs as Type 1	
MMU Disable	X
Diagnostic Enable	
Peer to Peer Enable	

Peer to Peer Addresses									
1)	255	2)	255	3)	255	4)	255	5)	255
6)	255	7)	255	8)	255	9)	255	10)	255

NEW CONTROLLER SHOULD BE DEFAULTED BEFORE INSTALLATION

To Default Controller: (F1)-8-2 Select All Press ENTER

(F1)-8-1-3 Select All Press ENTER

Ped Timing Carryover

Key: (F1)-2-3

Phase	Carryover
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0

Port 2

Key: (F1)-1-5

Port 2 Protocol	TERMNL
Port 2 Enable	NO
Data Rate (bps)	9600
Data, Parity, Stop	8, N, 1
NTCIP Address	0
NTCIP Grp Address	0
NTCIP Resp Delay	0
NTCIP Sgl Flg Enable	NO
NTCIP BackUp Time	0
NTCIP Drop-Out Time	0
Port2 Drop-Out Time	0
NTCIP RTS Timing	NO
NTCIP RTS to CTS Dlay	0
NTCIP RTS TurnOff Dlay	0
NTCIP Early RTS	NO

Port 3

Key: (F1)-1-6

Port 3 Protocol	TELEM
Port 3 Enable	YES
Port 3 millisec Timing	NO
Port 3 RTS to CTS Delay	0
Port 3 RTS TurnOff Delay	0
Duplex -Half or Full	FULL
Modem Data Rate (bps)	1200
Data, Parity, Stop	8, N, 1
Telemetry Address	1
System Detector 9-16 Add	
Telemtry Response Delay	1
NTCIP Address	0
NTCIP Grp Address	0
NTCIP Resp Delay	0
NTCIP Single Flag Enable	NO
NTCIP BackUp Time	0
Port 3 Drop-Out Time	0
NTCIP Early RTS	NO

Options

Key: (F1)-1-8

Supervisor Access Code	0
Data Change Acces Code	0
Key Click Enable	NO
Backlight Enable	YES
Request Download	NO

CITY OF SACRAMENTO

Coordination/Time of Day

Coordinator Options

Key: (F1)-3-1

Split Units	SEC	Actuated Coord ø	X
Offset Units	SEC	Actuated Rest In Walk	
Interconnect Format	PLAN	Inhibit Max	X
Interconnect Source	NIC	Max 2 Select	
Resync Count	15	Multisync	
Transition	SMOOTH	Float Force Off	

Dwell Period	0 sec	A	B	C	D	E	F
	Free Alternate Sequence						

Coord Manual and Split Demand

Key: (F1)-3-2

Manual Enable	OFF	Manual Pattern	4

Split Demand	Demand 1	Demand 2
Demand Call Time	0	0
Demand Cycle Count	0	0

Demand ø	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 ø's												
Demand 2 ø's												

Coord Auto Permissive Min Green

Key: (F1)-3-3

Phase	Perm Min Grn
1	0 sec
2	0 sec
3	0 sec
4	0 sec
5	0 sec
6	0 sec
7	0 sec
8	0 sec
9	0 sec
10	0 sec
11	0 sec
12	0 sec

Clock/ Calendar Data

Key: (F1)-5-1

DATE SET:	0/0/00	Enter Date/Time Then Press Enter
TIME SET:	0:00:00	
Manual NIC Prgrm Step	0	
Manual TOD Prgrm Step	0	
Sync Reference Time	0:00	
Sync Reference	REFERENCE TIME	
Week 1 begins on 1st Sunday		
Disable Daylight Savings		
DST begins Last Sunday		

TOD Weekly Programs

Key: (F1)-5-2

Week	SU	MO	TU	WE	TH	FR	SA
1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1

TOD Yearly Program

Key: (F1)-5-3

Week of Year	1	2	3	4	5	6	7	8
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	9	10	11	12	13	14	15	16
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	17	18	19	20	21	22	23	24
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	25	26	27	28	29	30	31	32
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	33	34	35	36	37	38	39	40
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	41	42	43	44	45	46	47	48
Weekly Program	1	1	1	1	1	1	1	1
Week of Year				49	50	51	52	53
Weekly Program				1	1	1	1	1

Coordination Pattern Tables

Coordination Pattern Data Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	120	Plan	1									
Offset	0											
SPLITS: BY PHASE	1)	23	2)	42	3)	19	4)	36				
	5)	19	6)	46	7)	18	8)	37				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patte	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases				4				8				
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

Coordination Pattern Data Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	130	Plan	2									
Offset	0											
SPLITS: BY PHASE	1)	34	2)	38	3)	21	4)	37				
	5)	28	6)	44	7)	20	8)	38				
	9)		10)		11)		12)					
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patte	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases				4				8				
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	X	B:	.	C:	X	D:	.	E:	.	F:	.

Alt Sequence: A=switch Ø1 & Ø2 C=switch Ø5 & Ø6 E=switch Ø9 & Ø10
B=switch Ø3 & Ø4 D=switch Ø7 & Ø8 F=switch Ø11 & Ø12

Coordination Pattern Data Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	130	Plan	3									
Offset	0											
SPLITS: BY PHASE	1)	27	2)	38	3)	24	4)	41				
	5)	25	6)	40	7)	20	8)	45				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patte	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases				4				8				
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:		B:	X	C:	X	D:	X	E:		F:	

Coordination Pattern Data Key: (F1)-3-4

PLAN FORMAT												
Cycle Length		Plan	4									
Offset												
SPLITS: BY PHASE	1)		2)		3)		4)					
	5)		6)		7)		8)					
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patte	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases												
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

Alt Sequence: A=switch Ø1 & Ø2 C=switch Ø5 & Ø6 E=switch Ø9 & Ø10
B=switch Ø3 & Ø4 D=switch Ø7 & Ø8 F=switch Ø11 & Ø12

CITY OF SACRAMENTO

NIC Program Table

NIC Program Step

Key: (F1)-5-5

Step	Program	Time	Pattern	Override
1	1	7:00	1	
2	1	9:30	2	
3	1	14:30	3	
4	1	19:00	0	
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

TOD Holiday Program

Key: (F1)-5-4

Holiday	Float / Fixed	Month	DOW/ DOM	WOM/ Year	Program
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					

TOD Program Tables

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	1
Day Pgm Num	1
Step Begins	7:00
Flash	
Red Rest	
Spare 5	
Spare 3	
Type 0 Delay	0
Det Diag Plan	0

Dim Enable	
Alt Veh Extensior	
Det Log Enable	
Spare 4	
Spare 2	

Alt Sequence	A:		B:		C:		D:		E:		F:	
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable												
Max3 Enable												
Veh Recall												
Veh Max Recal												
Ped Recall												
Cond Serv Inh												
Phase Omit												
Special Fnctns									(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	2
Day Pgm Num	1
Step Begins	9:30
Flash	
Red Rest	
Spare 5	
Spare 3	
Type 0 Delay	0
Det Diag Plan	0

Dim Enable	
Alt Veh Extensior	
Det Log Enable	
Spare 4	
Spare 2	

Alt Sequence	A:		B:		C:		D:		E:		F:	
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable												
Max3 Enable												
Veh Recall												
Veh Max Recal												
Ped Recall												
Cond Serv Inh												
Phase Omit												
Special Fnctns									(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	3
Day Pgm Num	1
Step Begins	14:00
Flash	
Red Rest	
Spare 5	
Spare 3	
Type 0 Delay	0
Det Diag Plan	0

Dim Enable	
Alt Veh Extensior	
Det Log Enable	
Spare 4	
Spare 2	

Alt Sequence	A:		B:		C:		D:		E:		F:	
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable												
Max3 Enable												
Veh Recall												
Veh Max Recal												
Ped Recall												
Cond Serv Inh												
Phase Omit												
Special Fnctns									(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	
Day Pgm Num	0
Step Begins	0:00
Flash	
Red Rest	
Spare 5	
Spare 3	
Type 0 Delay	0
Det Diag Plan	0

Dim Enable	
Alt Veh Extensior	
Det Log Enable	
Spare 4	
Spare 2	

Alt Sequence	A:		B:		C:		D:		E:		F:	
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable												
Max3 Enable												
Veh Recall												
Veh Max Recal												
Ped Recall												
Cond Serv Inh												
Phase Omit												
Special Fnctns									(1-8)			

CITY OF SACRAMENTO

Pre-emption Tables

Priority Preemptor 3

Key: (F1)-4-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases	1					6						
Exit Phases												
Exit Calls												
Spare												
Term Overlaps	A:	.	B:	.	C:	.	D:	.				

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	
Don't Override Flash		X	
Flash all Outputs			
Yellow-Red goes Green			
Enable Max Preempt Time			
Active only During Hold			
No CVM in Flash			
Fast Flash GRN on Hold			
Out of Flash		GREEN	

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

Priority Preemptor 4

Key: (F1)-4-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases		2			5							
Exit Phases												
Exit Calls												
Spare												
Term Overlaps	A:	.	B:	.	C:	.	D:	.				

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	
Don't Override Flash		X	
Flash all Outputs			
Yellow-Red goes Green			
Enable Max Preempt Time			
Active only During Hold			
No CVM in Flash			
Fast Flash GRN on Hold			
Out of Flash		GREEN	

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

Priority Preemptor 5

Key: (F1)-4-3

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases			3					8				
Exit Phases												
Exit Calls												
Spare												
Term Overlaps	A:		B:		C:		D:					

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	
Don't Override Flash		X	
Flash all Outputs			
Yellow-Red goes Green			
Enable Max Preempt Time			
Active only During Hold			
No CVM in Flash			
Fast Flash GRN on Hold			
Out of Flash		GREEN	

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

Priority Preemptor 6

Key: (F1)-4-4

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases				4			7					
Exit Phases												
Exit Calls												
Spare												
Term Overlaps	A:		B:		C:		D:					

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	
Don't Override Flash		X	
Flash all Outputs			
Yellow-Red goes Green			
Enable Max Preempt Time			
Active only During Hold			
No CVM in Flash			
Fast Flash GRN on Hold			
Out of Flash		GREEN	

					GRN	YEL	RED
Max Time	60	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

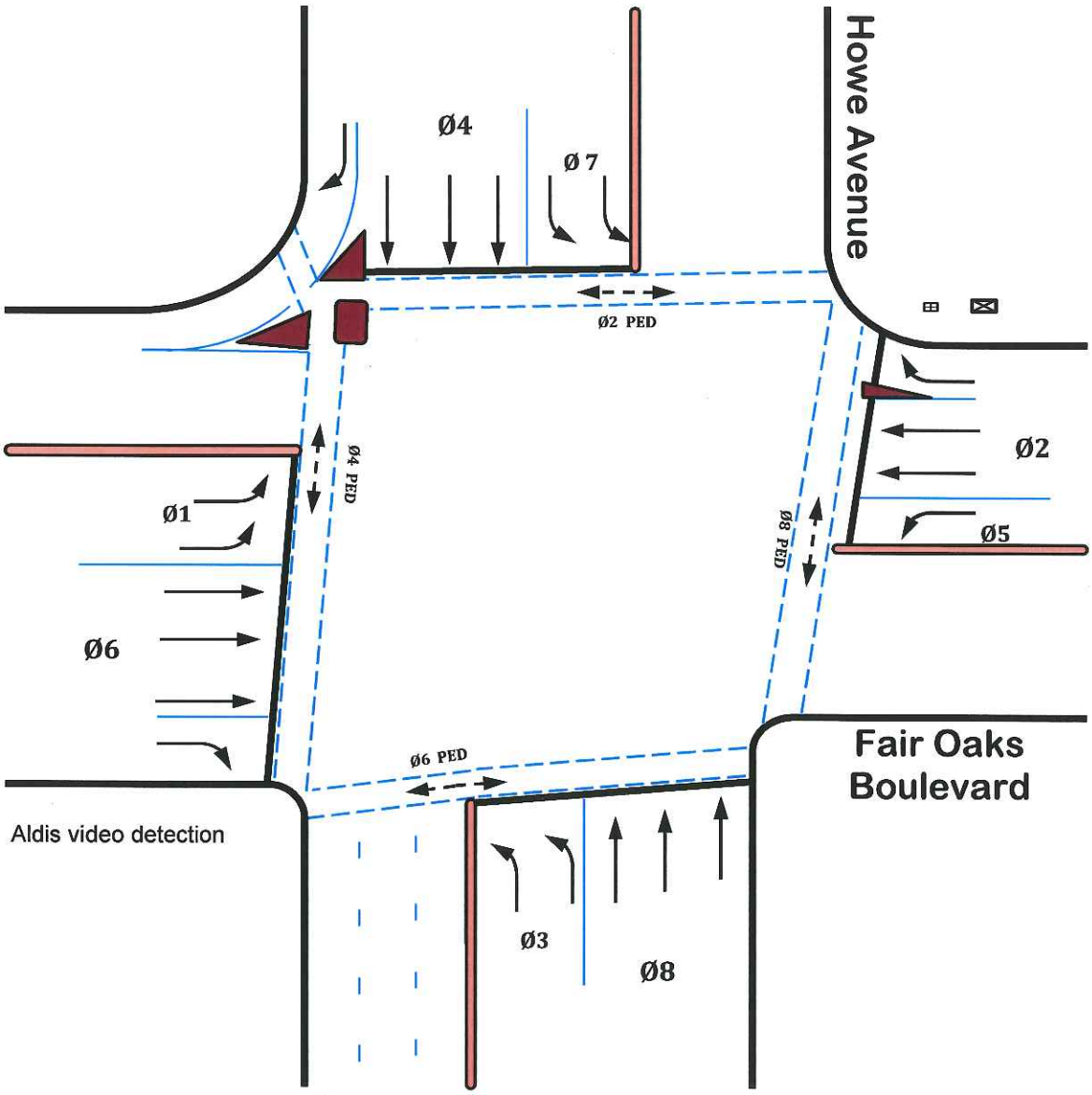
ECONOLITE ASC/3

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

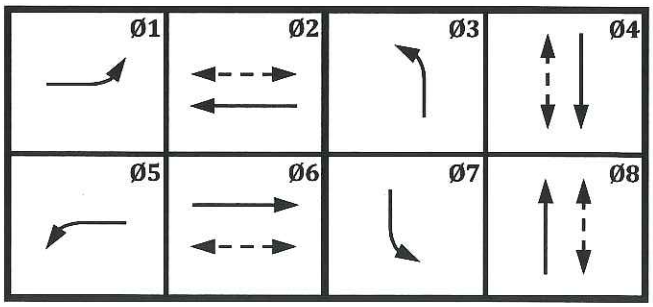
N/S Howe Ave **E/W** Fair Oaks Blvd

INTERSECTION # 281 SYSTEM: _____ IP Address: _____

Device ID: _____ Channel: _____ Drop #: _____



Notes: Aldis video detection



CITY OF SACRAMENTO

PHASE TIMING

Prepared by: _____ **Approved by:** _____ **Date Implemented:** 9/25/13

Controller Timing Data — Key: 2-1

Phase	1	2	3	4	5	6	7	8
Min Green	14	11	11	11	13	10	11	10
Bike Green								
CndSrv Min Green								
Delay Green								
Walk		7		7		7		7
Walk 2								
Walk Max								
Ped Clear		30		27		24		28
Ped Clear 2								
Ped Clear Max								
Ped CarryOver								
Vehicle Ext	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Vehicle Ext 2								
Max Ext								
Max 1	40	60	40	60	40	60	40	60
Max 2								
Max 3								
Dym Green								
Yellow	3.5	4.3	3.5	4.3	3.5	4.3	3.5	4.3
Red Clearance	2.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
Red Max								
Red Rvt	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Act B4								
Sec/Act								
Max Ini								
Time B4								
Cars Wt								
Steps to Reduce								
Time to Reduce								
Min Gap								

Controller Start/Flash Data — Key: 2-5

Phase	1	2	3	4	5	6	7	8	
Ø's Startup				4				8	
Overlap				4				8	
Start All Red	6	sec		Start Flash				0	sec

Automatic Flash

Phase	1	2	3	4	5	6	7	8	
Entry				4				8	
Exit				4				8	

Overlap	A	B	C	D	E	F	G	H	I	J
Exit	X	X	X	X						

Exit Rem Flash	Yes	Min Auto Flash	8
Min Recall	No	Cycle Through Phase	No

Controller Recall Data — Key: 2-8

Phase	1	2	3	4	5	6	7	8
Lock Det	1	2	3	4	5	6	7	8
Vehicle Recall								
Ped Recall								
Max Recall								
Soft Recall				4				8
No Rest								
Added Initial Calc								

Phase in Use/Exclusive Peds — Key: 1-2

Phase	1	2	3	4	5	6	7	8
Phases in Use	1	2	3	4	5	6	7	8
Exclusive Ped								

CITY OF SACRAMENTO

CONFIGURATION

Phase Ring Seq and Assignment — Key: 1-1-1

Data for Controller (1) and Sequence (1)									
Hardware Alternate Sequance Enable									No
Ring 1	1	2	3	4	9	10	13	14	
Ring 2	5	6	7	8	11	12	15	16	
Ring 3									
Ring 4									

Simultaneous Gap Phases — Key: 1-1-4

	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												

Load Switch Assign (MMU Chan) — Key: 1-3

	PHASE OVLP	type	DIMMING R	DIMMING Y	DIMMING G	DIMMING D	AUTO R	AUTO Y	FLASH WITH
1	1	V				+	X		
2	2	V				+	X		X
3	3	V				+	X		
4	4	V				+	X		X
5	5	V				-	X		
6	6	V				-	X		X
7	7	V				-	X		
8	8	V				-	X		X
9	2	P				+			
10	4	P				+			
11	6	P				-			
12	8	P				-			
13	1	O				+	X		
14	2	O				-	X		X
15	3	O				+	X		
16	4	O				-	X		X

Controller Options — KEY: 2-6-1

Phase	1	2	3	4	5	6	7	8
Guar Pass								
Non Act I								
Non Act II								
Dual Entry								
Cond Service								
Cond Reservice								
Ped Reservice								
Rest in Walk								
Flashing Walk								
Ped Clr Protect		Off						
PED CLE > RED								
IG + VEH EXT								

Guaranteed Min Time Data — Key: 2-4

Phase	1	2	3	4	5	6	7	8
Min Green	14	11	11	11	13	10	11	10
Walk		7		7		7		7
Ped Clear		30		27		24		28
Yellow	3.5	4.3	3.5	4.3	3.5	4.3	3.5	4.3
Red Clear	2.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0
Overlap	A	B	C	D	E	F	G	H
Overlap Green	5	5	5	5	5	5	5	5

CITY OF SACRAMENTO

DETECTION SCHEDULE

Fair Oaks Boulevard/Howe Avenue

	Phase	Controller Det. Input	Location	Direction	Controller / Detector Type / Function			
					Extend	Delay	Passage	Notes
BIU 1	**Loops or Retrofit Video**							
	Ø1	1						Aldis Video Detection
	Ø2	2						
	Ø3	3						
	Ø4	4						
	Ø5	5						
	Ø6	6						
	Ø7	7						
	Ø8	8						
	Loops							
	Ø1	9						
	Ø2	10						
	Ø3	11						
	Ø4	12						
	Ø5	13						
	Ø6	14						
	Ø7	15						
	Ø8	16						
	New Video Detection		**BIU 2 (RESERVED)**	**17-32**				
BIU 3	Ø1	33	Front	E-N			x	
	Ø1	34						
	Ø6	35	Front	EB			x	
	Ø6	36						
	Ø6	37						
	Ø6	38						
	Ø6	39	Bike	EB	3 sec			
	Ø6	40	Right	E-S		6 sec	x	
	Ø5	41	Front	W-S			x	
	Ø5	42						
	Ø2	43	Front	WB			x	
	Ø2	44						
	Ø2	45						
	Ø2	46						
	Ø2	47	Bike	WB	3.5 sec			
	Ø2	48	Right	W-N		6 sec	x	
BIU 4	Ø3	49	Front	N-W			x	
	Ø3	50						
	Ø8	51	Front	NB			x	
	Ø8	52						
	Ø8	53						
	Ø8	54						
	Ø8	55	Bike	NB	3.5 sec			
	Ø8	56	Right	N-E		6 sec	x	
	Ø7	57	Front	S-E			x	
	Ø7	58						
	Ø4	59	Front	SB			x	
	Ø4	60						
	Ø4	61						
	Ø4	62						
	Ø4	63	Bike	SB	3.5 sec			
	Ø4	64	Right	S-W		6 sec	x	

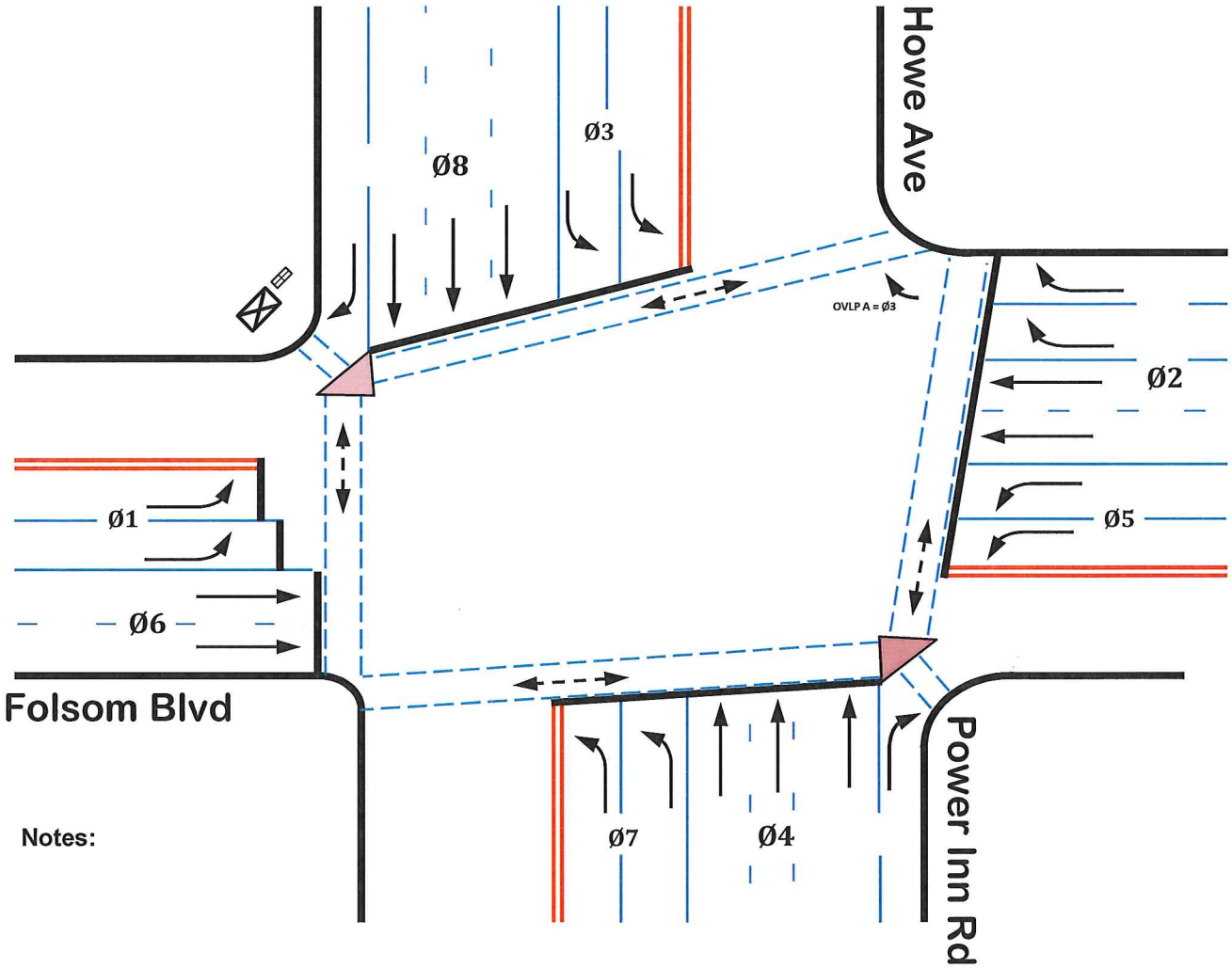
ECONOLITE ASC/2

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

N/S Howe/Power Inn E/W Folsom Blvd

INTERSECTION: 324 SYSTEM: _____ IP Address: _____

Device ID: 324 Channel: 213 Drop #: 7



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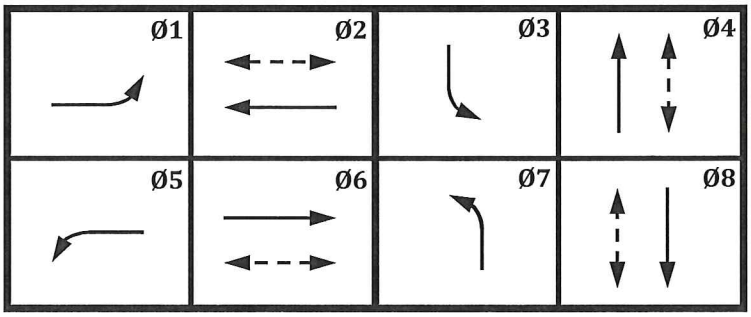


Econolite ASC/2

CITY OF SACRAMENTO

Phase Timing Tables

N/S ST: Howe Ave/Power Inn **E/W ST:** Folsom Blvd

REVIEWED: [illegible] **APPROVED:** [signature] 9/23/11 **DATE IMPLEMENTED:** 9/29/11

Controller Timing Data

Key: (F1)-2-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Min Green	12	11	13	10	11	11	13	11				
Bike Green												
CndSrv MinGrn												
Walk		7		7		7		7				
Ped Clr		26		25		23		19				
Veh Ext	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
Veh Ext 2												
Max Ext												
Max1	30	50	30	50	30	50	30	50				
Max2	64	64	64	64	64	64	64	64				
Max3												
Det Max												
Yellow	3.5	4.7	3.5	4.3	3.5	4.7	3.5	4.3				
Red Clr	1.1	1.1	1.9	1.0	1.0	1.0	2.0	1.0				
Red Rvt	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
Act B4 Init												
Sec/Actuation												
Max Initial												
Time B4 Reduct												
Cars Wt												
Time To Reduce												
Min Gap												

Controller Recall Data

Key: (F1)-2-4

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Locking Memory												
Vehicle Recall		X				X						
Ped Recall												
Recall to Max												
Soft Recall												
Don't Rest Here	X			X	X			X				
Ped Dark N/Call												

Controller Start/Flash Data

Key: (F1)-2-6

Phase	1	2	3	4	5	6	7	8	9	10	11	12
ø's Startup		2				6						
Entry Rem Flash		2				6						
Exit Rem Flash		2				6						
Rem Flash Yello												
Flsh Together ø		2		4		6		8				
Flsh Tgther OV	A:		B:		C:		D:					

Startup Intvl Rng1	Yellow
Startup Intvl Rng2	Yellow
Power Start All Red	6
Power Start Flash	
Remote Flash Options	
Out of Flash Yellow	X
Out of Flash All Red	
Minimum Recall	X
Spare	
Flash Thru Ld Switch	
Cycle Thru Phases	

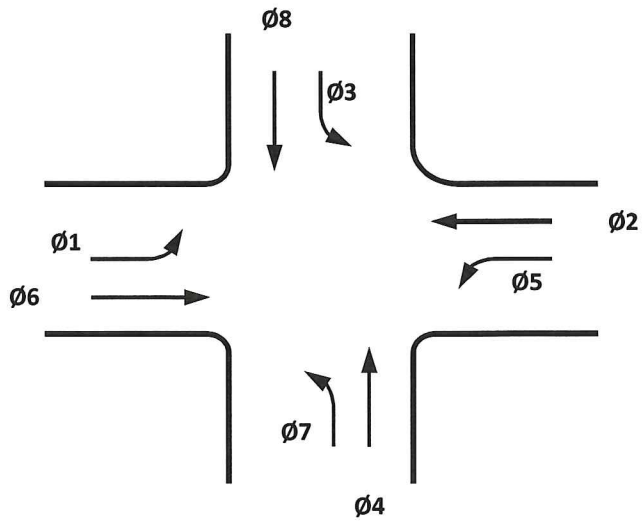
Controller Option Data

Key: (F1)-2-9

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Guar Passage												
NonActuated I												
NonActuated II												
Dual Entry		2				6						
Cond Service												
Cond Reservice												
Rest in Walk												
Flashing Walk												

Five Section Left Turn Heads	5-2:			7-4:			1-6:	
	3-8:			11-10:			9-12:	

Dual Entry	ON	Backup Protection Grp 1	OFF
Cond Service Enable		Backup Protection Grp 2	OFF
Cond Service Det X Switch		Backup Protection Grp 3	OFF
Ped Clr Protect	ON	Simul Gap Grp 1	ON
Spec Pre OVL Flash	OFF	Simul Gap Grp 2	ON
Lock Det in Red		Simul Gap Grp 3	ON
Reserved		unitBackup Time	
Reserved		unitRed Revert	



CITY OF SACRAMENTO

CONFIGURATION

Controller Sequence

Key: (F1)-1-1

Priority	1	2	3	4	5	6	7	8	9	10	11	12
Ring 1	1	2	3	4	9	10	0	0	0	0	0	0
Ring 2	5	6	7	8	11	12	0	0	0	0	0	0
CG Barrier	.	^	.	^	.	^	.	.	.	.	.	.

Phases in Use

Key: (F1)-1-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Phases in Use	1	2	3	4	5	6	7	8	.	.	.	.
Exclusive Ped	.	.	.	.	.	.	.	.	.	.	.	.

SDLC Options

Key: (F1)-1-4

BIU Number	1	2	3	4	5	6	7	8
Term & Facil								
Detector Rack								

Type 2 Runs as Type 1	.
MMU Disable	X
Diagnostic Enable	.
Peer to Peer Enable	.

Peer to Peer Addresses										
1)	255	2)	255	3)	255	4)	255	5)	255
6)	255	7)	255	8)	255	9)	255	10)	255

NEW CONTROLLER SHOULD BE DEFAULTED BEFORE INSTALLATION

To Default Controller: (F1)-8-2 Select All Press ENTER

(F1)-8-1-3 Select All Press ENTER

Ped Timing Carryover

Key: (F1)-2-3

Phase	Carryover
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0

Port 2

Key: (F1)-1-5

Port 2 Protocol	TERMNL
Port 2 Enable	NO
Data Rate (bps)	9600
Data, Parity, Stop	8, N, 1
NTCIP Address	0
NTCIP Grp Address	0
NTCIP Resp Delay	0
NTCIP Sgl Flg Enal	NO
NTCIP BackUp Tim	0
NTCIP Drop-Out Time	0
Port2 Drop-Out Tim	0
NTCIP RTS Timing	NO
NTCIP RTS to CTS Dlay	0
NTCIP RTS TurnOff Dla	0
NTCIP Early RTS	NO

Port 3

Key: (F1)-1-6

Port 3 Protocol	TELEM
Port 3 Enable	YES
Port 3 millisec Timing	NO
Port 3 RTS to CTS Dela	0
Port 3 RTS TurnOff Del	0
Duplex -Half or Full	FULL
Modem Data Rate (bps	1200
Data, Parity, Stop	8, N, 1
Telemetry Address	1
System Detector 9-16 Adc	
Telemtry Response Delay	1
NTCIP Address	0
NTCIP Grp Address	0
NTCIP Resp Delay	0
NTCIP Single Flag Ena	NO
NTCIP BackUp Time	0
Port 3 Drop-Out Time	0
NTCIP Early RTS	NO

Options

Key: (F1)-1-8

Supervisor Access Cod	0
Data Change Acces Code	0
Key Click Enable	NO
Backlight Enable	YES
Request Download	NO

CITY OF SACRAMENTO

Enable Event Logs

Key: (F1)-1-7

Critical RFE's (MMU/TF	X
NonCritical RFE's (Det/Tst)	X
Detector Errors	X
Coordination Errors	X
MMU Flash Faults	X
Local Flash Faults	X
Preempt	X
Power On/Off	X
Low Battery	X
Spare	.
Alarm 1	.
Alarm 2	.
Alarm 3	.
Alarm 4	.
Alarm 5	.
Alarm 6	.
Alarm 7	.
Alarm 8	.
Alarm 9	.
Alarm 10	.
Alarm 11	.
Alarm 12	.
Alarm 13	.
Alarm 14	.
Alarm 15	.
Alarm 16	.

No Serve Phases

Key: (F1)-2-7

Cannot Serve With	12	11	10	9	8	7	6	5	4	3	2
1	.	.	.	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.	.	.	
3	.	.	.	.	.	.	.	.	.		
4	.	.	.	.	.	.	.	.			
5	.	.	.	.	.	.	.				
6	.	.	.	.	.	.					
7	.	.	.	.	.						
8	.	.	.	.							
9	.	.	.								
10	.	.									
11	.										

Phase to Load Switch Assignment

Key: (F1)-1-3

Load Switch (MMU) Channel	Signal Driver Group L	PED	Load Switch (MMU) Channel	Signal Driver Group L	PED
1	1	.	9	2	.
2	2	.	10	4	.
3	3	.	11	6	.
4	4	.	12	8	.
5	5	.	13	13	.
6	6	.	14	14	.
7	7	.	15	15	.
8	8	.	16	16	.

Dimming

Key: (F1)-2-8

Load Switch	1	2	3	4	5	6	7	8
Dim Grn/Wlk	.	.	.	.	.	.	.	.
Dim Yell/PdCl	.	.	.	.	.	.	.	.
Dim Red/DWl	.	.	.	.	.	.	.	.
Load Switch	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Dim Grn/Wlk	.	.	.	.	.	.	.	.
Dim Yell/PdCl	.	.	.	.	.	.	.	.
Dim Red/DWl	.	.	.	.	.	.	.	.

MMU Program

Key: (F1)-1-9

	Can Serve With														
Channel	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
3	.	.	.	.	.	.	.	.	.	.	.	.	.		
4	.	.	.	.	.	.	.	.	.	.	.	.			
5	.	.	.	.	.	.	.	.	.	.	.				
6	.	.	.	.	.	.	.	.	.	.					
7	.	.	.	.	.	.	.	.	.						
8	.	.	.	.	.	.	.	.							
9	.	.	.	.	.	.	.								
10	.	.	.	.	.	.									
11	.	.	.	.	.										
12	.	.	.	.											
13	.	.	.												
14	.	.													
15	.														

CITY OF SACRAMENTO

Coordination/Time of Day

Coordinator Options

Key: (F1)-3-1

Split Units	SEC	Actuated Coord ø	X
Offset Units	SEC	Actuated Rest In Walk	.
Interconnect Format	PLAN	Inhibit Max	X
Interconnect Source	NIC	Max 2 Select	.
Resync Count	15	Multisync	.
Transition	SMOOTH	Float Force Off	.
Dwell Period	0 sec	A B C D E F	
	Free Alternate Sequence	. . . . . .	

Coord Manual and Split Demand

Key: (F1)-3-2

Manual Enable	OFF	Manual Pattern	4								
Split Demand		Demand 1		Demand 2							
Demand Call Time		0		0							
Demand Cycle Count		0		0							
Demand ø	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 ø's	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 ø's	.	.	.	.	.	.	.	.	.	.	.	.

Coord Auto Permissive Min Green

Key: (F1)-3-3

Phase	Perm Min Grn
1	0 sec
2	0 sec
3	0 sec
4	0 sec
5	0 sec
6	0 sec
7	0 sec
8	0 sec
9	0 sec
10	0 sec
11	0 sec
12	0 sec

Clock/ Calendar Data

Key: (F1)-5-1

DATE SET:	0/0/00	Enter Date/Time Then Press Enter
TIME SET:	0:00:00	
Manual NIC Prgrm Step	0	
Manual TOD Prgrm Step	0	
Sync Reference Time	0:00	
Sync Reference	REFERENCE TIME	
Week 1 begins on 1st Sunday	.	
Disable Daylight Savings	.	
DST begins Last Sunday	.	

TOD Yearly Program

Key: (F1)-5-3

Week of Year	1	2	3	4	5	6	7	8
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	9	10	11	12	13	14	15	16
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	17	18	19	20	21	22	23	24
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	25	26	27	28	29	30	31	32
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	33	34	35	36	37	38	39	40
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	41	42	43	44	45	46	47	48
Weekly Program	1	1	1	1	1	1	1	1
Week of Year				49	50	51	52	53
Weekly Program				1	1	1	1	1

TOD Weekly Programs

Key: (F1)-5-2

Week	SUN	MON	TUE	WED	THU	FRI	SAT
1	2	1	1	1	1	1	2
2							
3							
4							
5							
6							
7							
8							
9							
10							

CITY OF SACRAMENTO

Coordination Pattern Tables

COORDINATION PATTERN DATA

Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	120	Plan	1									
Offset	34											
SPLITS: BY PHASE	1)	17	2)	40	3)	25	4)	38				
	5)	18	6)	39	7)	22	8)	41				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patter	[1]	0	[2]	0								
Xartery Pattern	0											

PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases				4				8				
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	X	B:	X	C:	.	D:	.	E:	.	F:	.

COORDINATION PATTERN DATA

Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	130	Plan	2									
Offset	123											
SPLITS: BY PHASE	1)	17	2)	39	3)	36	4)	38				
	5)	18	6)	38	7)	26	8)	48				
	9)		10)		11)		12)					
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patter	[1]	0	[2]	0								
Xartery Pattern	0											

PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases				4				8				
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	X	B:	X	C:	.	D:	.	E:	.	F:	.

COORDINATION PATTERN DATA

Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	130	Plan	3									
Offset	128											
SPLITS: BY PHASE	1)	17	2)	39	3)	38	4)	36				
	5)	17	6)	39	7)	24	8)	50				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patter	[1]	0	[2]	0								
Xartery Pattern	0											

PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases				4				8				
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	X	C:	X	D:	.	E:	.	F:	.

COORDINATION PATTERN DATA

Key: (F1)-3-4

PLAN FORMAT												
Cycle Length		Plan	4									
Offset												
SPLITS: BY PHASE	1)		2)		3)		4)					
	5)		6)		7)		8)					
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patter	[1]	0	[2]	0								
Xartery Pattern	0											

PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases												
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.

Alt Sequence: A=switch Ø1 & Ø2 C=switch Ø5 & Ø6 E=switch Ø9 & Ø10
B=switch Ø3 & Ø4 D=switch Ø7 & Ø8 F=switch Ø11 & Ø12

CITY OF SACRAMENTO

NIC Program Step

Key: (F1)-5-5

Step	Program	Time	Pattern	Override
1	1	7:00	1	.
2	1	9:30	2	.
3	1	14:00	3	.
4	1	19:00	0	.
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

TOD Holiday Program

Key: (F1)-5-4

Holiday	Float / Fixed	Month	DOW/ DOM	WOM/ Year	Program
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					

Econolite ASC/2

CITY OF SACRAMENTO

TOD Program Tables

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	1	Dim Enable	.
Day Pgm Num	1	Alt Veh Extension	.
Step Begins	7:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	X	B:	X	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	2	Dim Enable	.
Day Pgm Num	1	Alt Veh Extension	.
Step Begins	9:30	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	X	B:	X	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	3	Dim Enable	.
Day Pgm Num	1	Alt Veh Extension	.
Step Begins	14:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	X	C:	X	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step		Dim Enable	.
Day Pgm Num	0	Alt Veh Extension	.
Step Begins	0:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step		Dim Enable	.
Day Pgm Num	0	Alt Veh Extension	.
Step Begins	0:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step		Dim Enable	.
Day Pgm Num	0	Alt Veh Extension	.
Step Begins	0:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step		Dim Enable	.
Day Pgm Num	0	Alt Veh Extensio	.
Step Begins	0:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step		Dim Enable	.
Day Pgm Num	0	Alt Veh Extensio	.
Step Begins	0:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step		Dim Enable	.
Day Pgm Num	0	Alt Veh Extensio	.
Step Begins	0:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step		Dim Enable	.
Day Pgm Num	0	Alt Veh Extensio	.
Step Begins	0:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step		Dim Enable	.
Day Pgm Num	0	Alt Veh Extensio	.
Step Begins	0:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step		Dim Enable	.
Day Pgm Num	0	Alt Veh Extensio	.
Step Begins	0:00	Det Log Enable	.
Flash	.	Spare 4	.
Red Rest	.	Spare 2	.
Spare 5	.		
Spare 3	.		
Type 0 Delay	0		
Det Diag Plan	0		

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

CITY OF SACRAMENTO

Pre-emption Tables

Priority Preemptor 2

Key: (F1)-4-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases	X					X						
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

Priority Preemptor 3

Key: (F1)-4-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases		X			X							
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

Priority Preemptor 4

Key: (F1)-4-3

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases			X					X				
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

Priority Preemptor 5

Key: (F1)-4-4

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases				X			X					
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

					GRN	YEL	RED
Max Time	60	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

CITY OF SACRAMENTO

DETECTION SCHEDULE

Folsom at Howe Ave/ Power Inn Road #324

	Phase	Controller Detector Input	Location	Direction	Controller / Detector Type / Function			
					Extend	Delay	Passage	Notes
BIU 1	Loops or Retrofit Video							
	Φ1	(1)	Left	E-N			X	D-2, D-3
	Φ2	(2)	Front	WB		X	X	D-3, D-4 Delay 2 sec
	Φ3	(3)	Left	S-E			X	D-2, D-3
	Φ4	(4)	Front	NB			X	D3, D4
	Φ5	(5)	Left	W-S			X	D-2, D-3
	Φ6	(6)	Front	EB		X	X	D-3
	Φ7	(7)	Front	N-W			X	D-2, D-3
	Φ8	(8)	Front	SB			X	D-3, D-4
	Loops							
	Φ1	(9)	Rear	E-N			X	D-1
	Φ2	(10)	Rear, Mid	WB			X	D-1, D-2
	Φ3	(11)	Rear	S-E			X	D-1
	Φ4	(12)	Rear, Mid	NB			X	D-1, D-2
	Φ5	(13)	Rear	W-S			X	D-1
	Φ6	(14)	Rear, Mid	EB			X	D-1, D-2
	Φ7	(15)	Rear	N-W			X	D-1
	Φ8	(16)	Rear	SB			X	D-1, D-2
	New Video Detection							
	BIU 2 (RESERVED)	17-22						
BIU 3	Φ1	33						
	Φ1	34						
	Φ6	35						
	Φ6	36						
	Φ6	37						
	Φ6	38						
	Φ6	39						
	Φ6	40						
	Φ5	41						
	Φ5	42						
	Φ2	43						
	Φ2	44						
	Φ2	45						
	Φ2	46						
	Φ2	47						
	Φ2	48						
BIU 4	Φ3	49						
	Φ3	50						
	Φ8	51						
	Φ8	52						
	Φ8	53						
	Φ8	54						
	Φ8	55						
	Φ8	56						
	Φ7	57						
	Φ7	58						
	Φ4	59						
	Φ4	60						
	Φ4	61						
	Φ4	62						
	Φ4	63						
	Φ4	64						

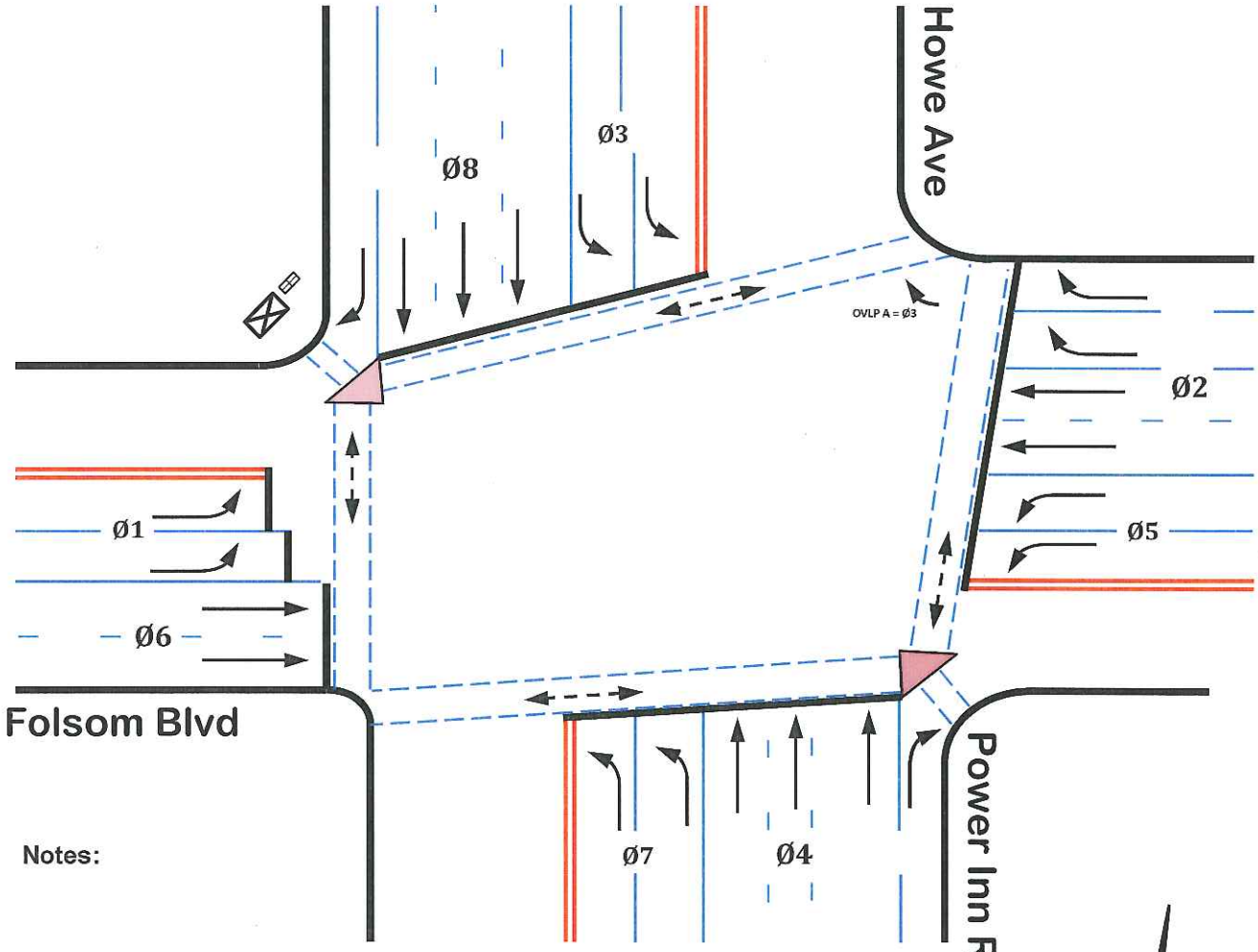
ECONOLITE ASC/2

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

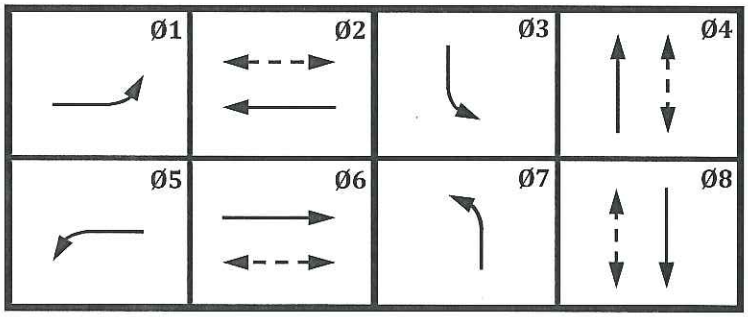
N/S Howe/Power Inn E/W Folsom Blvd

INTERSECTION: 324 SYSTEM: _____ IP Address: _____

Device ID: 324 Channel: 213 Drop #: 7



Notes:



Econolite ASC/2

CITY OF SACRAMENTO

Phase Timing Tables

N/S ST: Howe Ave/Power Inn **E/W ST:** Folsom Blvd

REVIEWED: [illegible] **APPROVED:** [illegible] 12/10/12 **DATE IMPLEMENTED:** 12/14/12

Controller Timing Data

Key: (F1)-2-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Min Green	12	11	13	10	11	11	13	10				
Bike Green												
CndSrv MinGrn												
Walk		6		6		6		6				
Ped Clr		31		22		27		29				
Veh Ext	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
Veh Ext 2												
Max Ext												
Max1	30	50	30	50	30	50	30	50				
Max2	64	64	64	64	64	64	64	64				
Max3												
Det Max												
Yellow	3.5	4.7	3.5	4.7	3.5	4.7	3.5	4.3				
Red Clr	1.1	1.1	1.9	1.0	1.0	1.0	2.0	1.0				
Red Rvt	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0				
Act B4 Init												
Sec/Actuation												
Max Initial												
Time B4 Reduct												
Cars Wt												
Time To Reduce												
Min Gap												

Controller Recall Data

Key: (F1)-2-4

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Locking Memory												
Vehicle Recall		X				X						
Ped Recall												
Recall to Max												
Soft Recall												
Don't Rest Here	X			X	X			X				
Ped Dark N/Call												

Controller Start/Flash Data

Key: (F1)-2-6

Phase	1	2	3	4	5	6	7	8	9	10	11	12
ø's Startup		2				6						
Entry Rem Flash		2				6						
Exit Rem Flash		2				6						
Rem Flash Yello												
Flsh Together ø		2		4		6		8				

Flsh Tgther OV	A:		B:		C:		D:	

Startup Intvl Rng1	Yellow
Startup Intvl Rng2	Yellow
Power Start All Red	6
Power Start Flash	
Remote Flash Options	
Out of Flash Yellow	X
Out of Flash All Red	
Minimum Recall	X
Spare	
Flash Thru Ld Switch	
Cycle Thru Phases	

Controller Option Data

Key: (F1)-2-9

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Guar Passage												
NonActuated I												
NonActuated II												
Dual Entry		2				6						
Cond Service												
Cond Reservice												
Rest in Walk												
Flashing Walk												

Five Section Left Turn Heads												
	5-2:				7-4:				1-6:			
	3-8:				11-10:				9-12:			

Dual Entry	ON	Backup Protection Grp 1	OFF
Cond Service Enable		Backup Protection Grp 2	OFF
Cond Service Det X Switch		Backup Protection Grp 3	OFF
Ped Clr Protect	ON	Simul Gap Grp 1	ON
Spec Pre OVL Flash	OFF	Simul Gap Grp 2	ON
Lock Det in Red		Simul Gap Grp 3	ON
Reserved		unitBackup Time	
Reserved		unitRed Revert	

CITY OF SACRAMENTO

CONFIGURATION

Controller Sequence

Key: (F1)-1-1

Priority	1	2	3	4	5	6	7	8	9	10	11	12
Ring 1	1	2	3	4	9	10	0	0	0	0	0	0
Ring 2	5	6	7	8	11	12	0	0	0	0	0	0
CG Barrier	.	^	.	^	.	^	.	.	.	.	.	.

Phases in Use

Key: (F1)-1-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Phases in Use	1	2	3	4	5	6	7	8	.	.	.	.
Exclusive Ped	.	.	.	.	.	.	.	.	.	.	.	.

SDLC Options

Key: (F1)-1-4

BIU Number	1	2	3	4	5	6	7	8
Term & Facil								
Detector Rack								

Type 2 Runs as Type 1	.
MMU Disable	X
Diagnostic Enable	.
Peer to Peer Enable	.

Peer to Peer Addresses										
1)	255	2)	255	3)	255	4)	255	5)	255
6)	255	7)	255	8)	255	9)	255	10)	255

NEW CONTROLLER SHOULD BE DEFAULTED BEFORE INSTALLATION

To Default Controller: (F1)-8-2 Select All Press ENTER

(F1)-8-1-3 Select All Press ENTER

Ped Timing Carryover

Key: (F1)-2-3

Phase	Carryover
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0

Port 2

Key: (F1)-1-5

Port 2 Protocol	TERMNL
Port 2 Enable	NO
Data Rate (bps)	9600
Data, Parity, Stop	8, N, 1
NTCIP Address	0
NTCIP Grp Address	0
NTCIP Resp Delay	0
NTCIP Sgl Flg Enal	NO
NTCIP BackUp Tim	0
NTCIP Drop-Out Time	0
Port2 Drop-Out Tim	0
NTCIP RTS Timing	NO
NTCIP RTS to CTS Dlay	0
NTCIP RTS TurnOff Dla	0
NTCIP Early RTS	NO

Port 3

Key: (F1)-1-6

Port 3 Protocol	TELEM
Port 3 Enable	YES
Port 3 millisec Timing	NO
Port 3 RTS to CTS Dela	0
Port 3 RTS TurnOff Del	0
Duplex -Half or Full	FULL
Modem Data Rate (bps	1200
Data, Parity, Stop	8, N, 1
Telemetry Address	1
System Detector 9-16 Adc	
Telemtry Response Delay	1
NTCIP Address	0
NTCIP Grp Address	0
NTCIP Resp Delay	0
NTCIP Single Flag Ena	NO
NTCIP BackUp Time	0
Port 3 Drop-Out Time	0
NTCIP Early RTS	NO

Options

Key: (F1)-1-8

Supervisor Access Cod	0
Data Change Acces Code	0
Key Click Enable	NO
Backlight Enable	YES
Request Download	NO

CITY OF SACRAMENTO

Enable Event Logs Key: (F1)-1-7

Critical RFE's (MMU/TF	X
NonCritical RFE's (Det/Tst)	X
Detector Errors	X
Coordination Errors	X
MMU Flash Faults	X
Local Flash Faults	X
Preempt	X
Power On/Off	X
Low Battery	X
Spare	.
Alarm 1	.
Alarm 2	.
Alarm 3	.
Alarm 4	.
Alarm 5	.
Alarm 6	.
Alarm 7	.
Alarm 8	.
Alarm 9	.
Alarm 10	.
Alarm 11	.
Alarm 12	.
Alarm 13	.
Alarm 14	.
Alarm 15	.
Alarm 16	.

No Serve Phases Key: (F1)-2-7

Cannot Serve With	12	11	10	9	8	7	6	5	4	3	2
1	.	.	.	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.	.	.	
3	.	.	.	.	.	.	.	.	.		
4	.	.	.	.	.	.	.	.			
5	.	.	.	.	.	.	.				
6	.	.	.	.	.	.					
7	.	.	.	.	.						
8	.	.	.	.							
9	.	.	.								
10	.	.									
11	.										

Phase to Load Switch Assignment Key: (F1)-1-3

Load Switch (MMU) Channel	Signal Driver Group L	PED	Load Switch (MMU) Channel	Signal Driver Group L	PED
1	1	.	9	2	.
2	2	.	10	4	.
3	3	.	11	6	.
4	4	.	12	8	.
5	5	.	13	13	.
6	6	.	14	14	.
7	7	.	15	15	.
8	8	.	16	16	.

Dimming Key: (F1)-2-8

Load Switch	1	2	3	4	5	6	7	8
Dim Grn/Wlk	.	.	.	.	.	.	.	.
Dim Yell/PdCl	.	.	.	.	.	.	.	.
Dim Red/DWI	.	.	.	.	.	.	.	.
Load Switch	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**
Dim Grn/Wlk	.	.	.	.	.	.	.	.
Dim Yell/PdCl	.	.	.	.	.	.	.	.
Dim Red/DWI	.	.	.	.	.	.	.	.

MMU Program Key: (F1)-1-9

	Can Serve With														
Channel	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	
3	.	.	.	.	.	.	.	.	.	.	.	.	.		
4	.	.	.	.	.	.	.	.	.	.	.	.			
5	.	.	.	.	.	.	.	.	.	.	.				
6	.	.	.	.	.	.	.	.	.	.					
7	.	.	.	.	.	.	.	.	.						
8	.	.	.	.	.	.	.	.							
9	.	.	.	.	.	.	.								
10	.	.	.	.	.	.									
11	.	.	.	.	.										
12	.	.	.	.											
13	.	.	.												
14	.	.													
15	.														

CITY OF SACRAMENTO

Coordination/Time of Day

Coordinator Options

Key: (F1)-3-1

Split Units	SEC	Actuated Coord ø	X					
Offset Units	SEC	Actuated Rest In Walk	.					
Interconnect Format	PLAN	Inhibit Max	X					
Interconnect Source	NIC	Max 2 Select	.					
Resync Count	15	Multisync	.					
Transition	SMOOTH	Float Force Off	.					
Dwell Period	0 sec	A	B	C	D	E	F	
	Free Alternate Sequence	.	.	.	.	.	.	

Coord Manual and Split Demand

Key: (F1)-3-2

Manual Enable	OFF	Manual Pattern	4								
Split Demand	Demand 1	Demand 2									
Demand Call Time	0	0									
Demand Cycle Count	0	0									
Demand ø	1	2	3	4	5	6	7	8	9	10	11	12
Demand 1 ø's	.	.	.	.	.	.	.	.	.	.	.	.
Demand 2 ø's	.	.	.	.	.	.	.	.	.	.	.	.

Coord Auto Permissive Min Green

Key: (F1)-3-3

Phase	Perm Min Grn
1	0 sec
2	0 sec
3	0 sec
4	0 sec
5	0 sec
6	0 sec
7	0 sec
8	0 sec
9	0 sec
10	0 sec
11	0 sec
12	0 sec

Clock/ Calendar Data

Key: (F1)-5-1

DATE SET:	0/0/00	Enter Date/Time Then Press Enter
TIME SET:	0:00:00	
Manual NIC Prgrm Step	0	
Manual TOD Prgrm Step	0	
Sync Reference Time	0:00	
Sync Reference	REFERENCE TIME	
Week 1 begins on 1st Sunday	.	
Disable Daylight Savings	.	
DST begins Last Sunday	.	

TOD Yearly Program

Key: (F1)-5-3

Week of Year	1	2	3	4	5	6	7	8
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	9	10	11	12	13	14	15	16
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	17	18	19	20	21	22	23	24
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	25	26	27	28	29	30	31	32
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	33	34	35	36	37	38	39	40
Weekly Program	1	1	1	1	1	1	1	1
Week of Year	41	42	43	44	45	46	47	48
Weekly Program	1	1	1	1	1	1	1	1
Week of Year				49	50	51	52	53
Weekly Program				1	1	1	1	1

TOD Weekly Programs

Key: (F1)-5-2

Week	SUN	MON	TUE	WED	THU	FRI	SAT
1	2	1	1	1	1	1	2
2							
3							
4							
5							
6							
7							
8							
9							
10							

CITY OF SACRAMENTO

Coordination Pattern Tables

COORDINATION PATTERN DATA

Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	120	Plan	1									
Offset	34											
SPLITS: BY PHASE	1)	17	2)	43	3)	26	4)	34				
	5)	21	6)	39	7)	19	8)	41				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	x											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patte	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases				4				8				
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	X	B:	X	C:		D:		E:		F:	

COORDINATION PATTERN DATA

Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	130	Plan	2									
Offset	123											
SPLITS: BY PHASE	1)	18	2)	43	3)	35	4)	34				
	5)	18	6)	43	7)	26	8)	43				
	9)		10)		11)		12)					
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	x											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patte	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases				4				8				
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:	X	B:	X	C:		D:		E:		F:	

COORDINATION PATTERN DATA

Key: (F1)-3-4

PLAN FORMAT												
Cycle Length	130	Plan	3									
Offset	128											
SPLITS: BY PHASE	1)	18	2)	43	3)	35	4)	34				
	5)	16	6)	45	7)	24	8)	45				
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	x											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patte	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases				4				8				
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:		B:	X	C:	X	D:		E:		F:	

COORDINATION PATTERN DATA

Key: (F1)-3-4

PLAN FORMAT												
Cycle Length		Plan	4									
Offset												
SPLITS: BY PHASE	1)		2)		3)		4)					
	5)		6)		7)		8)					
	9)	0	10)	0	11)	0	12)	0				
Veh Permissive	[1]	0	[2]	0								
Veh Perm 2 Disp	0											
Phase Reservice	.											
Split Extension/Ring	[1]	0	[2]	0								
Splt Demand Patte	[1]	0	[2]	0								
Xartery Pattern	0											
PHASE	1	2	3	4	5	6	7	8	9	10	11	12
Coord Phases												
Veh Recall												
Veh Max Recal												
Ped Recall												
Phase Omit												
Spare												
Alt Sequence	A:		B:		C:		D:		E:		F:	

Alt Sequence: A=switch Ø1 & Ø2 C=switch Ø5 & Ø6 E=switch Ø9 & Ø10
B=switch Ø3 & Ø4 D=switch Ø7 & Ø8 F=switch Ø11 & Ø12

CITY OF SACRAMENTO

NIC Program Step

Key: (F1)-5-5

Step	Program	Time	Pattern	Override
1	1	7:00	1	.
2	1	9:30	2	.
3	1	14:00	3	.
4	1	19:00	0	.
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

TOD Holiday Program

Key: (F1)-5-4

Holiday	Float / Fixed	Month	DOW/ DOM	WOM/ Year	Program
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					

CITY OF SACRAMENTO

TOD Program Tables

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	1
Day Pgm Num	1
Step Begins	7:00
Flash	.
Red Rest	.
Spare 5	.
Spare 3	.
Type 0 Delay	0
Det Diag Plan	0

Dim Enable	.
Alt Veh Extensior	.
Det Log Enable	.
Spare 4	.
Spare 2	.

Alt Sequence	A:	X	B:	X	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	2
Day Pgm Num	1
Step Begins	9:30
Flash	.
Red Rest	.
Spare 5	.
Spare 3	.
Type 0 Delay	0
Det Diag Plan	0

Dim Enable	.
Alt Veh Extensior	.
Det Log Enable	.
Spare 4	.
Spare 2	.

Alt Sequence	A:	X	B:	X	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	3
Day Pgm Num	1
Step Begins	14:00
Flash	.
Red Rest	.
Spare 5	.
Spare 3	.
Type 0 Delay	0
Det Diag Plan	0

Dim Enable	.
Alt Veh Extensior	.
Det Log Enable	.
Spare 4	.
Spare 2	.

Alt Sequence	A:	.	B:	X	C:	X	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	
Day Pgm Num	0
Step Begins	0:00
Flash	.
Red Rest	.
Spare 5	.
Spare 3	.
Type 0 Delay	0
Det Diag Plan	0

Dim Enable	.
Alt Veh Extensior	.
Det Log Enable	.
Spare 4	.
Spare 2	.

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

TOD Program Steps

Key: (F1)-5-6

TOD Program Step	
Day Pgm Num	0
Step Begins	0:00
Flash	.
Red Rest	.
Spare 5	.
Spare 3	.
Type 0 Delay	0
Det Diag Plan	0

Dim Enable	.
Alt Veh Extensior	.
Det Log Enable	.
Spare 4	.
Spare 2	.

Alt Sequence	A:	.	B:	.	C:	.	D:	.	E:	.	F:	.
Phase	1	2	3	4	5	6	7	8	9	10	11	12
Max2 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Max3 Enable	.	.	.	.	.	.	.	.	.	.	.	.
Veh Recall	.	.	.	.	.	.	.	.	.	.	.	.
Veh Max Recal	.	.	.	.	.	.	.	.	.	.	.	.
Ped Recall	.	.	.	.	.	.	.	.	.	.	.	.
Cond Serv Inh	.	.	.	.	.	.	.	.	.	.	.	.
Phase Omit	.	.	.	.	.	.	.	.	.	.	.	.
Special Fnctns	.	.	.	.	.	.	.	.	(1-8)			

CITY OF SACRAMENTO

Pre-emption Tables

Priority Preemptor 2

Key: (F1)-4-1

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases	X					X						
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

Priority Preemptor 3

Key: (F1)-4-2

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases		X			X							
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

Priority Preemptor 4

Key: (F1)-4-3

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases			X					X				
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

					GRN	YEL	RED
Max Time	55	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

Priority Preemptor 5

Key: (F1)-4-4

Phase	1	2	3	4	5	6	7	8	9	10	11	12
Term Phase Ovlp												
Trk Clr Phase												
Hold Phases				X			X					
Exit Phases												
Exit Calls												
Spare												

Term Overlaps	A:	.	B:	.	C:	.	D:	.

Active	YES	Ped Dark	
Priority		Ped Active	
Det Lock		Zero PC Time	
Hold Flash		PC Thru Yellow	
Term Ovlp ASAP		Term Phases	

Don't Override Flash	X
Flash all Outputs	
Yellow-Red goes Green	
Enable Max Preempt Time	
Active only During Hold	
No CVM in Flash	
Fast Flash GRN on Hold	
Out of Flash	GREEN

					GRN	YEL	RED
Max Time	60	Duration Time					
Min Hold Time	6	Delay Time		Minimum			
Min Ped Clear		Inhibit Time		Track Clear			
Exit Max		Hld Delay Time		Hold			

CITY OF SACRAMENTO

DETECTION SCHEDULE

Folsom at Howe Ave/ Power Inn Road

	Phase	Controller Detector Input	Location	Direction	Controller / Detector Type / Function			
					Extend	Delay	Passage	Notes
BIU 1	**Loops or Retrofit Video**							
	Φ1	1	Left	E-N			X	D-2, D-3
	Φ2	2	Front	WB		X	X	D-3, D-4 Delay 2 sec
	Φ3	3	Left	S-E			X	D-2, D-3
	Φ4	4	Front	NB			X	D3, D4
	Φ5	5	Left	W-S			X	D-2, D-3
	Φ6	6	Front	EB		X	X	D-3
	Φ7	7	Front	N-W			X	D-2, D-3
	Φ8	8	Front	SB			X	D-3, D-4
	Loops							
	Φ1	1	Rear	E-N			X	D-1
	Φ2	2	Rear, Mid	WB			X	D-1, D-2
	Φ3	3	Rear	S-E			X	D-1
	Φ4	4	Rear, Mid	NB			X	D-1, D-2
	Φ5	5	Rear	W-S			X	D-1
	Φ6	6	Rear, Mid	EB			X	D-1, D-2
	Φ7	7	Rear	N-W			X	D-1
	Φ8	8	Rear	SB			X	D-1, D-2
	New Video Detection							
	BIU 2 (RESERVED)	17-22						
BIU 3	Φ1	33						
	Φ1	34						
	Φ6	35						
	Φ6	36						
	Φ6	37						
	Φ6	38						
	Φ6	39						
	Φ6	40						
	Φ5	41						
	Φ5	42						
	Φ2	43						
	Φ2	44						
	Φ2	45						
	Φ2	46						
	Φ2	47						
	Φ2	48						
BIU 4	Φ3	49						
	Φ3	50						
	Φ8	51						
	Φ8	52						
	Φ8	53						
	Φ8	54						
	Φ8	55						
	Φ8	56						
	Φ7	57						
	Φ7	58						
	Φ4	59						
	Φ4	60						
	Φ4	61						
	Φ4	62						
	Φ4	63						
	Φ4	64						

2070-D-4

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

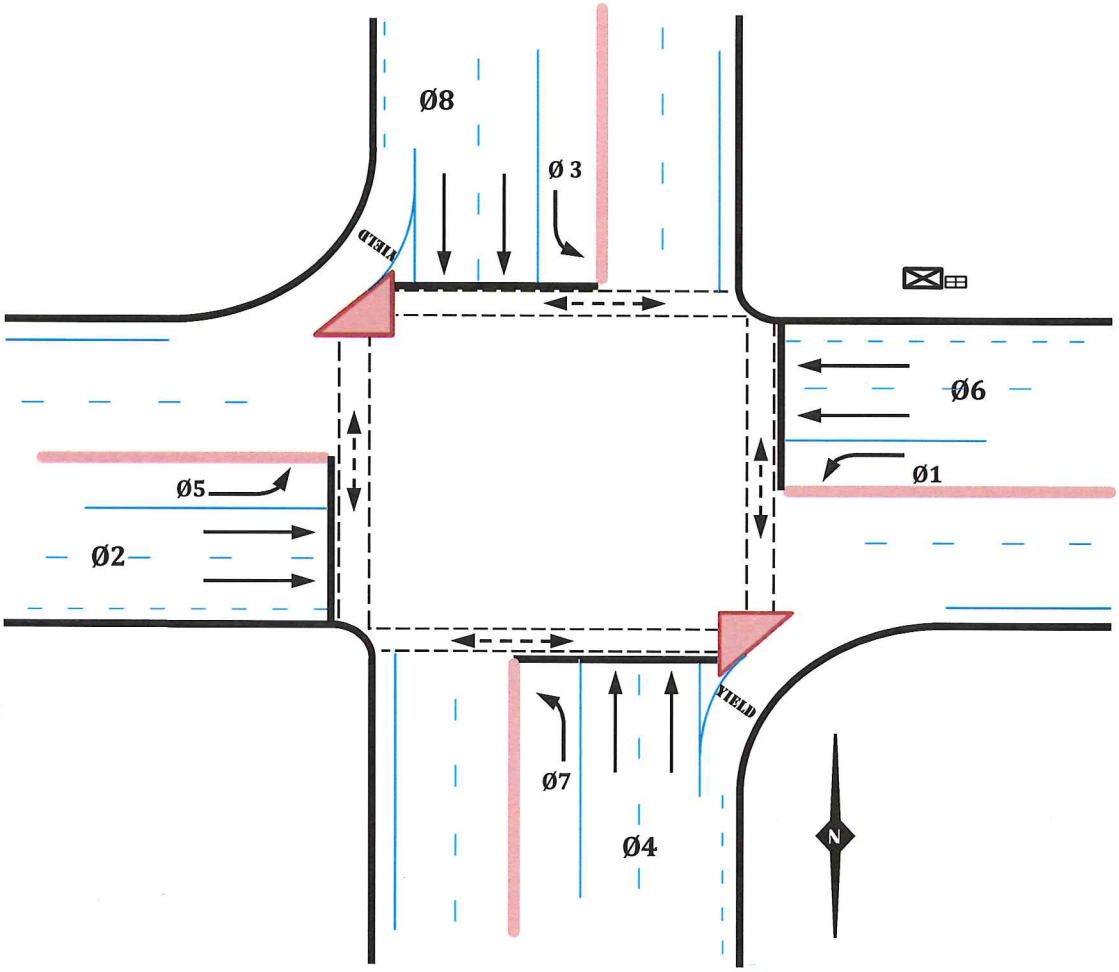
N/S Center Parkway **E/W** Mack Road

INTERSECTION #: 418 SYSTEM: _____ IP Address: 172.31.44.20

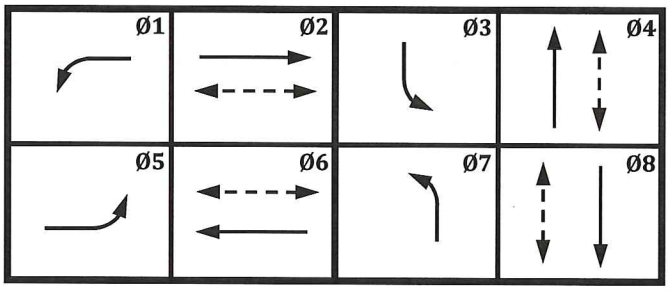
Device ID: 418 Channel: 305 Drop #: 9

Reviewed: lee/SMS Approved: _____ Date Implemented: 7/11/11

Compiled by: Wys



Notes:



418 - Mack Road/Center Parkway

Phase Timing

7/11/2011 11:04:30 AM

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Min Green	10	9	10	10	10	9	10	10	0	0	0	0	0	0	0	0
Veh Ext	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Green 1	30	50	30	50	30	50	30	50	0	0	0	0	0	0	0	0
Max Green 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yellow	3.5	4.7	3.5	3.5	3.5	4.7	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clr	0.1	0.5	0.1	0.0	0.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk	0	7	0	7	0	7	0	7	0	0	0	0	0	0	0	0
Ped Clr	0	18	0	19	0	18	0	19	0	0	0	0	0	0	0	0
Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Early Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Added	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce After	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTReduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neg Ped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AP Disc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Phase Options

7/11/2011 11:04:30 AM

Phases	1-8								9-16							
Min Recalls		2				6										
Max Recalls																
Ped Recalls																
Soft Recall																
Dual Entry		2		4		6		8								
Red Rest																
Walk Rest																
Walk Expand																
Ped Recycle																
No Simult Gap																
Yel Lock																
Red Lock																
PhaseNext Lock	1	2	3	4	5	6	7	8								
No Term Call	1	2	3	4	5	6	7	8								
Cond Serv	1		3		5		7									
CS Enable		2		4		6		8								
Cond Reserve		2				6										
Reserve																
Veh Omit																
Ped Omit																
Perm Phase																
Protect Calls																
Flash Entry																
Flash Exit																
Flash Exit Yel																
Flash Exit Red																
Ped Scramble																
No Min Yel																
No Min Red Rev																
Max Scramble Walk																
Flash Yellow																
CNA 1																
CNA 2																

418 - Mack Road/Center Parkway

Phase Startup Options

7/11/2011 11:04:30 AM

Startup Flash	0	Mode	Red->Yel
Startup All Red	6	Yellow	0.0

Phases	1-8							9-16							
Startup Phases		2			6										
Startup Yellow		2			6										
Startup Red															
Startup No Walk															
Startup Next															
No Veh Call															
No Ped Call															

Phase Startup Timing

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Start Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Ring Sequence / Conflicting Phases

7/11/2011 11:04:30 AM

Ringgroup 1

Ring 1	1	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0
Ring 2	5	6	7	8	0	0	0	0	0	0	0	0	0	0	0	0

Ringgroup 2

Custom Sequences

Seq 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Conflicting Phases

	1-8							9-16							
Phase 1															
Phase 2															
Phase 3															
Phase 4															
Phase 5															
Phase 6															
Phase 7															
Phase 8															
Phase 9															
Phase 10															
Phase 11															
Phase 12															
Phase 13															
Phase 14															
Phase 15															
Phase 16															

418 - Mack Road/Center Parkway

MCE Options

7/11/2011 11:04:30 AM

Phases	1-8	9-16
MCE Ped Protect		
MCE Veh Call		
MCE Ped Call		
MCE Veh Omit		
MCE Ped Omit		
MCE Veh Sync		
MCE Ped Sync		
MCE Halt Don't Walk		

LRV Phases	1-8
MCE LRV Term Early	

418 - Mack Road/Center Parkway

Overlap Startup Options

7/11/2011 11:04:30 AM

Overlaps	1-8								9-16							
Startup Overlap Green																
Startup Overlap Yellow																

Overlap Startup Timing

Overlap	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Start Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Min Green	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Overlap Unit Options

Overlaps	1-8								9-16							
Overlap Ped Recalls																
MCE Olap Ped Protect																
MCE Olap Ped Calls																
MCE Olap Ped Expand																
No Min Yellow																
No Min Red Rev																
Flash Yellow																
No Conflict																

418 - Mack Road/Center Parkway

Coordination Options

7/11/2011 11:04:30 AM

Sync Time	00:00	RTC Set Time	00:00
Transition Mode	Best	Overlap F/O	Disabled
Master Sync Mode	RTC	Master Sync Length	0
Offset Reference	Crd Grp End	Dual Entry	Strict
External Plan Max	0		
Hardwire No Match	Sched	Hardwire Sync Fail	0
Override Omit/Recall	No		

Phases	1-8	9-16
No Trans Recall		
Trans Ped Recall		
Trans Phases		

418 - Mack Road/Center Parkway

Hardwire Plans

7/11/2011 11:04:30 AM

Hardwire	Plan Select								Pattern	Offset	Mode
Plan 1									0	0	Hardwire
Plan 2									0	0	Hardwire
Plan 3									0	0	Hardwire
Plan 4									0	0	Hardwire
Plan 5									0	0	Hardwire
Plan 6									0	0	Hardwire
Plan 7									0	0	Hardwire
Plan 8									0	0	Hardwire
Plan 9									0	0	Hardwire
Plan 10									0	0	Hardwire
Plan 11									0	0	Hardwire
Plan 12									0	0	Hardwire
Plan 13									0	0	Hardwire
Plan 14									0	0	Hardwire
Plan 15									0	0	Hardwire
Plan 16									0	0	Hardwire
Plan 17									0	0	Hardwire
Plan 18									0	0	Hardwire
Plan 19									0	0	Hardwire
Plan 20									0	0	Hardwire
Plan 21									0	0	Hardwire
Plan 22									0	0	Hardwire
Plan 23									0	0	Hardwire
Plan 24									0	0	Hardwire
Plan 25									0	0	Hardwire
Plan 26									0	0	Hardwire
Plan 27									0	0	Hardwire
Plan 28									0	0	Hardwire
Plan 29									0	0	Hardwire
Plan 30									0	0	Hardwire
Plan 31									0	0	Hardwire
Plan 32									0	0	Hardwire

418 - Mack Road/Center Parkway

Soft Interconnect

7/11/2011 11:04:30 AM

Mode	Slave	Remote Int Number	0
Yield Delay	0		
Yield Duration	0		
Permissive	0		
Local Hold Limit	0		

Phases	1-8	9-16
Local Control Phases		
Local Hold Phases		
Local Perm Phases		
Local Call Phases		
Remote Perm Phases		
Remote Hold Phases		

418 - Mack Road/Center Parkway

Coordination Pattern 1

7/11/2011 11:04:30 AM

Cycle: 120 | Ringgroup 1 - Offset 1: 16 | Offset 2: 0 | Offset 3: 0

Ringgroup 2 - Offset 1: 0 | Offset 2: 0 | Offset 3: 0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	15	51	16	38	15	51	22	32	0	0	0	0	0	0	0	0
Split Ext	0	15	0	0	0	15	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	11	34	13	31	11	34	18	26	0	0	0	0	0	0	0	0
Max Trans Split	17	58	19	45	17	58	26	38	0	0	0	0	0	0	0	0

Permissive Mode: Reservice | Max Mode: Max Inh | Walk Rest: Yield

Ped Permissive: Partial

Permissive Limit: 0 | Alt Sequence: | TOD Link: 0

Phases/Overlaps	1-8							9-16							
Coord Phases		2			6										
No Extend															
Float Enable															
Veh = Ped Perm		2		4		6		8							
Walk Rest															
Ped Recall															
Cond Ped Call															
Olap Ped Recall															
Ped Recycle															
Min Recall															
Max Recall															
Cond Serv															
Reservice															
Veh Omit															
Ped Omit															
Olap Omit															
Perm Reserve															
Max Inhibit															

Disable Priority																
Progression Phases																
Priority Alt Seq																
Reserve Extend																

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Coordination Pattern 1

7/11/2011 11:04:30 AM

Alternate Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Alt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Early Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Delay Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt CS Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt CS Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Coordination Pattern 2

7/11/2011 11:04:30 AM

Cycle	120	Ringgroup 1 - Offset 1	13	Offset 2	0	Offset 3	0
		Ringgroup 2 - Offset 1	0	Offset 2	0	Offset 3	0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	18	53	17	32	16	55	17	32	0	0	0	0	0	0	0	0
Split Ext	0	15	0	0	0	15	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	15	37	12	26	11	40	11	27	0	0	0	0	0	0	0	0
Max Trans Split	21	58	18	38	17	58	19	39	0	0	0	0	0	0	0	0

Permissive Mode	Reservice	Max Mode	Max Inh	Walk Rest	Yield
Ped Permissive	Partial				
Permissive Limit	0	Alt Sequence		TOD Link	0

Phases/Overlaps	1-8								9-16							
Coord Phases		2			6											
No Extend																
Float Enable																
Veh = Ped Perm		2		4		6		8								
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv																
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority																
Progression Phases																
Priority Alt Seq																
Reserve Extend																

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Coordination Pattern 2

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Alternate Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Alt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Early Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Delay Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt CS Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt CS Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Preempt Inputs

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Preempt Input	1	2	3	4	5	6	7	8	9	10
Delay	0	0	0	0	0	0	0	0	0	0
Checkout Limit	0	0	0	0	0	0	0	0	0	0
Locked	No	No	No	No	No	No	No	No	No	No
Interlock	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Input Number	1	2	3	4	5	0	0	0	0	0
Input Priority	All	All	All	All	All	All	All	All	All	All
Delay Mode	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp

Preempt Priority

Preempt	1	2	3	4	5	6	7	8	9	10
Priority	0	0	0	0	0	0	0	0	0	0

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Preempt 2 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	2	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 2 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	1 6	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	1 6	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 3 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	3	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 3 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	2 5	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	2 5	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 4 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	4	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 4 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	3, 8	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	3, 8	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2, 4, 6, 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 5 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	5	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash			
LRV Omit		Delay	0

Preempt 5 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	4 7	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	4 7	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

418 - Mack Road/Center Parkway

TOD Pattern Events

7/11/2011 11:04:30 AM

	Time	DOW							Holidays								Mode	Pattern	Offset
Event 1	07:00		M	T	W	T	F										Sched	1	1
Event 2	09:00		M	T	W	T	F										Sched	2	1
Event 3	14:00		M	T	W	T	F										Sched	2	1
Event 4	19:00	S	M	T	W	T	F	S									Free	0	0
Event 5	00:00																Sched	0	0
Event 6	00:00																Sched	0	0
Event 7	00:00																Sched	0	0
Event 8	00:00																Sched	0	0
Event 9	00:00																Sched	0	0
Event 10	00:00																Sched	0	0
Event 11	00:00																Sched	0	0
Event 12	00:00																Sched	0	0
Event 13	00:00																Sched	0	0
Event 14	00:00																Sched	0	0
Event 15	00:00																Sched	0	0
Event 16	00:00																Sched	0	0
Event 17	00:00																Sched	0	0
Event 18	00:00																Sched	0	0
Event 19	00:00																Sched	0	0
Event 20	00:00																Sched	0	0
Event 21	00:00																Sched	0	0
Event 22	00:00																Sched	0	0
Event 23	00:00																Sched	0	0
Event 24	00:00																Sched	0	0
Event 25	00:00																Sched	0	0
Event 26	00:00																Sched	0	0
Event 27	00:00																Sched	0	0
Event 28	00:00																Sched	0	0
Event 29	00:00																Sched	0	0
Event 30	00:00																Sched	0	0
Event 31	00:00																Sched	0	0
Event 32	00:00																Sched	0	0

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TS1 Outputs (Connector A)

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	Pin D	Pin E	Pin F	Pin G	Pin H	Pin J	Pin X	Pin Y
Output	VehRed	DntWlk	VehRed	DntWlk	PedClr	Walk	GenOut	GenOut
Index	1	1	2	2	2	2	0	0

	Pin Z	Pin a	Pin b	Pin c	Pin d	Pin e	Pin r	Pin s
Output	VehYel	PedClr	VehYel	VehGrn	PhsChk	PhsOn	GenOut	VehGrn
Index	1	1	2	2	2	2	0	1

	Pin t	Pin u	Pin CC	Pin DD
Output	Walk	PhsChk	GenOut	PhsOn
Index	1	1	0	1

TS1 Outputs (Connector B)

	Pin A	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H	Pin J
Output	PhsNxt	PhsNxt	VehGrn	VehYel	VehRed	VehRed	PedClr	DntWlk
Index	1	2	3	3	3	4	4	4

	Pin K	Pin Y	Pin Z	Pin a	Pin b	Pin c	Pin d	Pin e
Output	PhsChk	Walk	PedClr	DntWlk	VehGrn	VehYel	Walk	PhsOn
Index	4	3	3	3	4	4	4	4

	Pin f	Pin p	Pin q	Pin r	Pin s	Pin t	Pin u	Pin w
Output	PhsNxt	OlpYel	OlpRed	PhsChk	PhsOn	PhsNxt	OlpRed	OlpGrn
Index	4	1	1	3	3	3	4	4

	Pin AA	Pin BB	Pin CC	Pin DD	Pin EE	Pin FF	Pin GG	Pin HH
Output	OlpGrn	OlpYel	OlpRed	OlpRed	OlpYel	VehGrn	OlpGrn	OlpYel
Index	1	2	2	3	4	3	2	3

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TS1 Outputs (Connector C)

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	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H
Output	GenOut	GenOut	DntWlk	VehRed	VehYel	VehRed	VehRed	VehRed
Index	0	0	8	8	7	7	6	5
	Pin J	Pin K	Pin L	Pin M	Pin N	Pin c	Pin d	Pin e
Output	VehYel	PedClr	DntWlk	PhsNxt	PhsOn	GenOut	Walk	VehYel
Index	5	5	5	5	5	0	8	8
	Pin f	Pin g	Pin h	Pin i	Pin j	Pin k	Pin w	Pin x
Output	VehGrn	VehGrn	VehYel	VehGrn	Walk	PhsChk	PedClr	VehGrn
Index	7	6	6	5	5	5	8	8
	Pin y	Pin z	Pin AA	Pin BB	Pin CC	Pin DD	Pin FF	Pin GG
Output	DntWlk	DntWlk	PedClr	PhsChk	PhsOn	PhsNxt	PhsChk	PhsOn
Index	7	6	6	6	6	6	8	8
	Pin HH	Pin JJ	Pin KK	Pin LL	Pin MM	Pin NN	Pin PP	
Output	PhsNxt	Walk	PedClr	Walk	PhsChk	PhsOn	PhsNxt	
Index	8	7	7	6	7	7	7	

TS1 Outputs (Connector D)

	Pin z	Pin AA	Pin BB	Pin CC	Pin DD	Pin EE	Pin FF	Pin GG
Output	GenOut	GenOut	GenOut	VehRed	VehRed	VehRed	VehRed	GenOut
Index	0	0	0	0	0	0	0	0
	Pin HH	Pin JJ	Pin LL					
Output	GenOut	DntWlk	VehRed					
Index	0	8	0					

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TS1 Inputs (Connector A)

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	Pin K	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S	Pin T
Input	VehDet	PedDet	Hold	StopTm	MaxInh	None	IntAdv	None
Index	2	2	2	1	1	0	0	0

	Pin f	Pin g	Pin h	Pin i	Pin j	Pin k	Pin m	Pin n
Input	VehDet	PedDet	Hold	Force	MinRec	ManCtrl	CNA	None
Index	1	1	1	1	0	0	1	0

	Pin q	Pin v	Pin w	Pin x	Pin y	Pin z	Pin AA	Pin BB
Input	GenIn	PedOmt	OmtRed	RedRst	GenIn	CNA	None	None
Index	1	2	1	1	0	2	0	0

	Pin EE	Pin FF	Pin GG	Pin HH
Input	VehOmt	PedRcy	MaxII	GenIn
Index	1	1	1	3

TS1 Inputs (Connector B)

	Pin B	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S	Pin T
Input	Preempt	VehDet	PedDet	VehDet	PedDet	VehOmt	VehOmt	PedOmt
Index	2	4	4	3	3	3	2	5

	Pin U	Pin V	Pin W	Pin X	Pin g	Pin h	Pin i	Pin j
Input	VehOmt	PedRcy	Preempt	Preempt	VehOmt	Hold	Hold	PedOmt
Index	1	2	4	5	4	4	3	3

	Pin k	Pin m	Pin n	Pin v	Pin x	Pin z
Input	PedOmt	PedOmt	PedOmt	Preempt	PedOmt	MaxII
Index	6	7	8	6	4	2

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TS1 Inputs (Connector C)

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	Pin P	Pin R	Pin S	Pin T	Pin U	Pin V	Pin W	Pin X
Input	VehDet	PedDet	VehDet	PedDet	PedDet	VehDet	PedDet	Hold
Index	5	5	6	6	7	7	8	8

	Pin Y	Pin Z	Pin a	Pin b	Pin m	Pin n	Pin p	Pin q
Input	Force	StopTm	MaxInh	None	Hold	VehOmt	Hold	VehOmt
Index	2	2	2	0	5	5	6	6

	Pin r	Pin s	Pin t	Pin u	Pin v	Pin EE
Input	VehOmt	VehOmt	VehDet	RedRst	None	Hold
Index	7	8	8	2	0	7

TS1 Inputs (Connector D)

	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin J	Pin K	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin T	Pin U	Pin V	Pin W	Pin X	Pin Y	Pin Z	Pin a
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin b	Pin c	Pin d	Pin e	Pin f	Pin g	Pin h	Pin i
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin j	Pin k	Pin m	Pin n	Pin p	Pin q	Pin r	Pin s
Input	None	None	None	None	None	None	Preempt	Preempt
Index	0	0	0	0	0	0	2	3

	Pin t	Pin u	Pin v	Pin w	Pin x	Pin y
Input	Preempt	Preempt	Preempt	Preempt	Preempt	Preempt
Index	4	5	1	0	0	0

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Vehicle Detector 1

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Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0
Fail Time	0						

Phases	1-8	9-16
Call Phases	1	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	1	
XSwitch Phases		

Vehicle Detector 2

Delay	4.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0
Fail Time	0						

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

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Vehicle Detector 3

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Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	3	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	3	
XSwitch Phases		

Vehicle Detector 4

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	4	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	4	
XSwitch Phases		

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Vehicle Detector 5

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Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8							9-16							
Call Phases					5										
Yellow Lock Phases															
Red Lock Phases															
Extend Phases					5										
XSwitch Phases															

Vehicle Detector 6

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8							9-16							
Call Phases					6										
Yellow Lock Phases															
Red Lock Phases															
Extend Phases					6										
XSwitch Phases															

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Vehicle Detector 7

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Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	7	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	7	
XSwitch Phases		

Vehicle Detector 8

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	8	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	8	
XSwitch Phases		

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Vehicle Detector 10

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Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases		2														
Yellow Lock Phases																
Red Lock Phases																
Extend Phases		2														
XSwitch Phases																

Vehicle Detector 12

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases				4												
Yellow Lock Phases																
Red Lock Phases																
Extend Phases				4												
XSwitch Phases																

418 - Mack Road/Center Parkway

Vehicle Detector 14

7/11/2011 11:04:30 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases					6											
Yellow Lock Phases																
Red Lock Phases																
Extend Phases					6											
XSwitch Phases																

Vehicle Detector 16

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases								8								
Yellow Lock Phases																
Red Lock Phases																
Extend Phases								8								
XSwitch Phases																

418 - Mack Road/Center Parkway

Restricted Data

7/11/2011 11:04:30 AM

(Serial Ports)

Serial Port 1	4					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0
Serial Port 2	0					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0

(Ethernet)

IP Address	172. 31. 44. 20		
Netmask	255. 255. 254. 0		
Broadcast Address	0. 0. 0. 0		
Gateway	172. 31. 44. 253		
Port	161	Reply Mode	Host
Broadcast Port	0	Response	Time/Plan
Time Port	0		

(General)

Controller Address	1	Timeout	0
Peer Address	0	Timeout	0
Remote Calls	Disabled		
Remote Preempt	Disabled		
Remote Soft Preempt	Disabled		
Remote Priority	Disabled		
Remote MCE	Disabled	MCE Max	0

2070-D-4

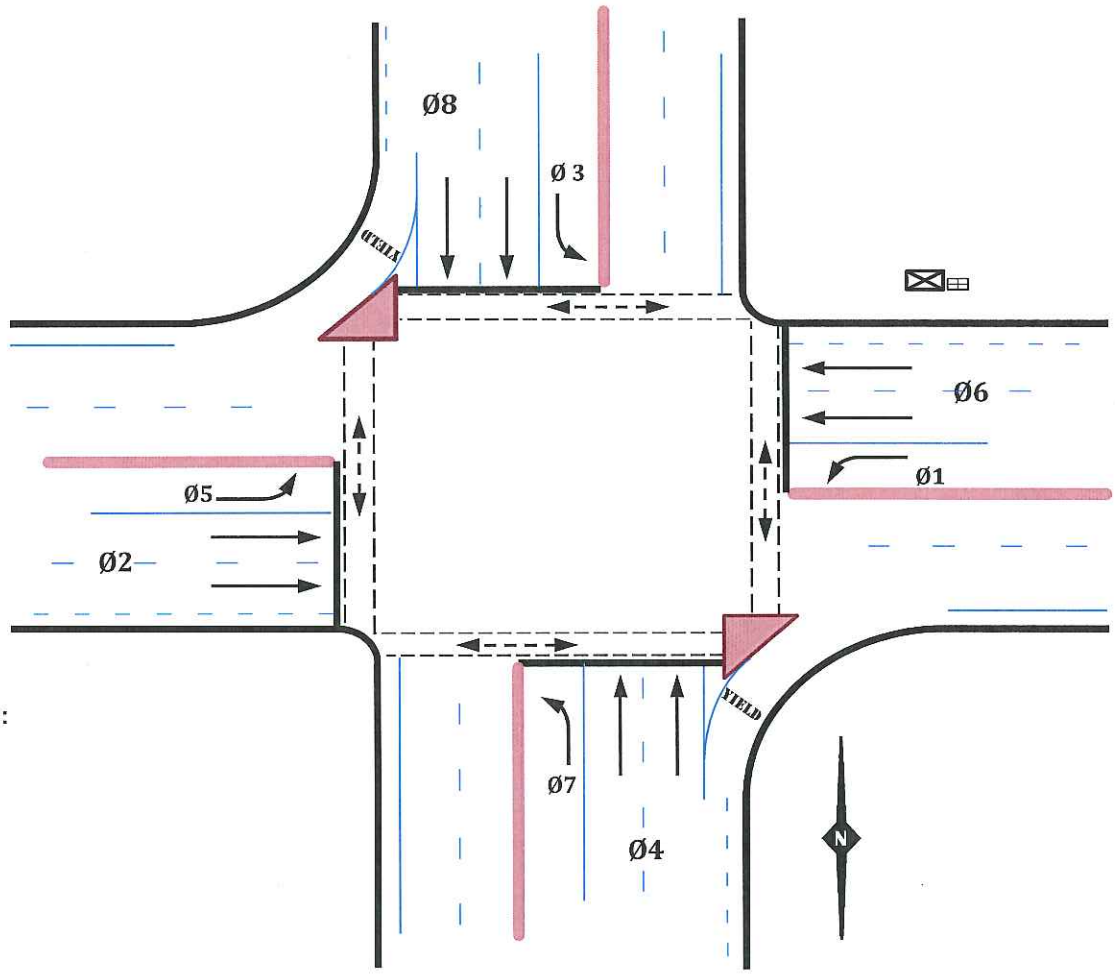
TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

N/S Center Parkway **E/W** Mack Road

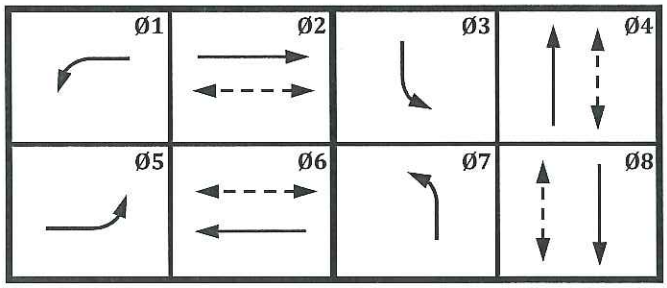
INTERSECTION #: 418 SYSTEM: _____ IP Address: 172.31.44.20

Device ID: 418 Channel: 305 Drop #: 9

Reviewed: [illegible] Approved: [illegible] Date Implemented: 12/14/12



Notes:



418 - Mack Road/Center Parkway

Phase Timing

12/14/2012 1:20:01 PM

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Min Green	10	9	10	9	10	9	10	10	0	0	0	0	0	0	0	0
Veh Ext	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Green 1	30	50	30	50	30	50	30	50	0	0	0	0	0	0	0	0
Max Green 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yellow	3.5	4.7	3.5	4.3	3.5	4.7	3.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clr	0.1	0.5	0.1	0.3	0.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk	0	7	0	7	0	7	0	7	0	0	0	0	0	0	0	0
Ped Clr	0	21	0	21	0	21	0	21	0	0	0	0	0	0	0	0
Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Early Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Added	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce After	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTReduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neg Ped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AP Disc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Phase Options

12/14/2012 1:20:01 PM

Phases	1-8								9-16							
Min Recalls		2				6										
Max Recalls																
Ped Recalls																
Soft Recall																
Dual Entry		2		4		6		8								
Red Rest																
Walk Rest																
Walk Expand																
Ped Recycle																
No Simult Gap																
Yel Lock																
Red Lock																
PhaseNext Lock	1	2	3	4	5	6	7	8								
No Term Call	1	2	3	4	5	6	7	8								
Cond Serv	1		3		5		7									
CS Enable		2		4		6		8								
Cond Reserve		2				6										
Reserve																
Veh Omit																
Ped Omit																
Perm Phase																
Protect Calls																
Flash Entry																
Flash Exit																
Flash Exit Yel																
Flash Exit Red																
Ped Scramble																
No Min Yel																
No Min Red Rev																
Max Scramble Walk																
Flash Yellow																
CNA 1																
CNA 2																

418 - Mack Road/Center Parkway

Phase Startup Options

12/14/2012 1:20:01 PM

Startup Flash	0	Mode	Red->Yel
Startup All Red	6	Yellow	0.0

Phases	1-8							9-16							
Startup Phases		2				6										
Startup Yellow		2				6										
Startup Red																
Startup No Walk																
Startup Next																
No Veh Call																
No Ped Call																

Phase Startup Timing

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Start Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Ring Sequence / Conflicting Phases

12/14/2012 1:20:01 PM

Ringgroup 1

Ring 1	1	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0
Ring 2	5	6	7	8	0	0	0	0	0	0	0	0	0	0	0	0

Ringgroup 2

Custom Sequences

Seq 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Conflicting Phases

	1-8							9-16							
Phase 1															
Phase 2															
Phase 3															
Phase 4															
Phase 5															
Phase 6															
Phase 7															
Phase 8															
Phase 9															
Phase 10															
Phase 11															
Phase 12															
Phase 13															
Phase 14															
Phase 15															
Phase 16															

418 - Mack Road/Center Parkway

Coordination Options

12/14/2012 1:20:01 PM

Sync Time	00:00	RTC Set Time	00:00
Transition Mode	Best	Overlap F/O	Disabled
Master Sync Mode	RTC	Master Sync Length	0
Offset Reference	Crd Grp End	Dual Entry	Strict
External Plan Max	0		
Hardwire No Match	Sched	Hardwire Sync Fail	0
Override Omit/Recall	No		

Phases	1-8	9-16
No Trans Recall		
Trans Ped Recall		
Trans Phases		

418 - Mack Road/Center Parkway

Coordination Pattern 1

12/14/2012 1:20:01 PM

Cycle: 120 | Ringgroup 1 - Offset 1: 16 | Offset 2: 0 | Offset 3: 0

Ringgroup 2 - Offset 1: 0 | Offset 2: 0 | Offset 3: 0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	15	51	16	38	15	51	22	32	0	0	0	0	0	0	0	0
Split Ext	0	15	0	0	0	15	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	11	34	13	31	11	34	18	26	0	0	0	0	0	0	0	0
Max Trans Split	17	58	19	45	17	58	26	38	0	0	0	0	0	0	0	0

Permissive Mode: Reservice | Max Mode: Max Inh | Walk Rest: Yield

Ped Permissive: Partial

Permissive Limit: 0 | Alt Sequence: | TOD Link: 0

Phases/Overlaps	1-8								9-16							
Coord Phases		2				6										
No Extend																
Float Enable																
Veh = Ped Perm		2		4		6		8								
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv	1				5											
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority								
Progression Phases								
Priority Alt Seq								
Reserve Extend								

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Coordination Pattern 2

12/14/2012 1:20:01 PM

Cycle: 120 | Ringgroup 1 - Offset 1: 13 | Offset 2: 0 | Offset 3: 0

Ringgroup 2 - Offset 1: 0 | Offset 2: 0 | Offset 3: 0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	18	53	16	33	16	55	17	32	0	0	0	0	0	0	0	0
Split Ext	0	15	0	0	0	15	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	15	37	12	26	11	40	11	27	0	0	0	0	0	0	0	0
Max Trans Split	21	58	18	38	17	58	19	39	0	0	0	0	0	0	0	0

Permissive Mode: Reservice | Max Mode: Max Inh | Walk Rest: Yield

Ped Permissive: Partial

Permissive Limit: 0 | Alt Sequence: | TOD Link: 0

Phases/Overlaps	1-8							9-16							
Coord Phases	2				6										
No Extend															
Float Enable															
Veh = Ped Perm	2		4		6		8								
Walk Rest															
Ped Recall															
Cond Ped Call															
Olap Ped Recall															
Ped Recycle															
Min Recall															
Max Recall															
Cond Serv															
Reservice															
Veh Omit															
Ped Omit															
Olap Omit															
Perm Reserve															
Max Inhibit															

Disable Priority								
Progression Phases								
Priority Alt Seq								
Reserve Extend								

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Preempt Inputs

12/14/2012 1:20:01 PM

Preempt Input	1	2	3	4	5	6	7	8	9	10
Delay	0	0	0	0	0	0	0	0	0	0
Checkout Limit	0	0	0	0	0	0	0	0	0	0
Locked	No	No	No	No	No	No	No	No	No	No
Interlock	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Input Number	1	2	3	4	5	0	0	0	0	0
Input Priority	All	All	All	All	All	All	All	All	All	All
Delay Mode	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp

Preempt Priority

Preempt	1	2	3	4	5	6	7	8	9	10
Priority	0	0	0	0	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Preempt 2 (Configuration)

12/14/2012 1:20:01 PM

Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	2	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 2 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	1 6	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	1 6	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

418 - Mack Road/Center Parkway

Preempt 3 (Configuration)

12/14/2012 1:20:01 PM

Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	3	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash			
LRV Omit		Delay	0

Preempt 3 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	2 5	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	2 5	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

418 - Mack Road/Center Parkway

Preempt 4 (Configuration)

12/14/2012 1:20:01 PM

Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	4	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 4 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	3 8	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	3 8	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

418 - Mack Road/Center Parkway

Preempt 5 (Configuration)

12/14/2012 1:20:01 PM

Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	5	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash			
LRV Omit		Delay	0

Preempt 5 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	4 7	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	4 7	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

418 - Mack Road/Center Parkway

TOD Pattern Events

12/14/2012 1:20:01 PM

	Time	DOW							Holidays								Mode	Pattern	Offset
Event 1	07:00		M	T	W	T	F										Sched	1	1
Event 2	09:00		M	T	W	T	F										Sched	2	1
Event 3	14:00		M	T	W	T	F										Sched	2	1
Event 4	19:00	S	M	T	W	T	F	S									Free	0	0
Event 5	00:00																Sched	0	0
Event 6	00:00																Sched	0	0
Event 7	00:00																Sched	0	0
Event 8	00:00																Sched	0	0
Event 9	00:00																Sched	0	0
Event 10	00:00																Sched	0	0
Event 11	00:00																Sched	0	0
Event 12	00:00																Sched	0	0
Event 13	00:00																Sched	0	0
Event 14	00:00																Sched	0	0
Event 15	00:00																Sched	0	0
Event 16	00:00																Sched	0	0
Event 17	00:00																Sched	0	0
Event 18	00:00																Sched	0	0
Event 19	00:00																Sched	0	0
Event 20	00:00																Sched	0	0
Event 21	00:00																Sched	0	0
Event 22	00:00																Sched	0	0
Event 23	00:00																Sched	0	0
Event 24	00:00																Sched	0	0
Event 25	00:00																Sched	0	0
Event 26	00:00																Sched	0	0
Event 27	00:00																Sched	0	0
Event 28	00:00																Sched	0	0
Event 29	00:00																Sched	0	0
Event 30	00:00																Sched	0	0
Event 31	00:00																Sched	0	0
Event 32	00:00																Sched	0	0

418 - Mack Road/Center Parkway

TS1 Outputs (Connector A)

12/14/2012 1:20:01 PM

	Pin D	Pin E	Pin F	Pin G	Pin H	Pin J	Pin X	Pin Y
Output	VehRed	DntWlk	VehRed	DntWlk	PedClr	Walk	GenOut	GenOut
Index	1	1	2	2	2	2	0	0

	Pin Z	Pin a	Pin b	Pin c	Pin d	Pin e	Pin r	Pin s
Output	VehYel	PedClr	VehYel	VehGrn	PhsChk	PhsOn	GenOut	VehGrn
Index	1	1	2	2	2	2	0	1

	Pin t	Pin u	Pin CC	Pin DD
Output	Walk	PhsChk	GenOut	PhsOn
Index	1	1	0	1

TS1 Outputs (Connector B)

	Pin A	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H	Pin J
Output	PhsNxt	PhsNxt	VehGrn	VehYel	VehRed	VehRed	PedClr	DntWlk
Index	1	2	3	3	3	4	4	4

	Pin K	Pin Y	Pin Z	Pin a	Pin b	Pin c	Pin d	Pin e
Output	PhsChk	Walk	PedClr	DntWlk	VehGrn	VehYel	Walk	PhsOn
Index	4	3	3	3	4	4	4	4

	Pin f	Pin p	Pin q	Pin r	Pin s	Pin t	Pin u	Pin w
Output	PhsNxt	OlpYel	OlpRed	PhsChk	PhsOn	PhsNxt	OlpRed	OlpGrn
Index	4	1	1	3	3	3	4	4

	Pin AA	Pin BB	Pin CC	Pin DD	Pin EE	Pin FF	Pin GG	Pin HH
Output	OlpGrn	OlpYel	OlpRed	OlpRed	OlpYel	VehGrn	OlpGrn	OlpYel
Index	1	2	2	3	4	3	2	3

418 - Mack Road/Center Parkway

TS1 Outputs (Connector C)

12/14/2012 1:20:01 PM

	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H
Output	GenOut	GenOut	DntWlk	VehRed	VehYel	VehRed	VehRed	VehRed
Index	0	0	8	8	7	7	6	5
	Pin J	Pin K	Pin L	Pin M	Pin N	Pin c	Pin d	Pin e
Output	VehYel	PedClr	DntWlk	PhsNxt	PhsOn	GenOut	Walk	VehYel
Index	5	5	5	5	5	0	8	8
	Pin f	Pin g	Pin h	Pin i	Pin j	Pin k	Pin w	Pin x
Output	VehGrn	VehGrn	VehYel	VehGrn	Walk	PhsChk	PedClr	VehGrn
Index	7	6	6	5	5	5	8	8
	Pin y	Pin z	Pin AA	Pin BB	Pin CC	Pin DD	Pin FF	Pin GG
Output	DntWlk	DntWlk	PedClr	PhsChk	PhsOn	PhsNxt	PhsChk	PhsOn
Index	7	6	6	6	6	6	8	8
	Pin HH	Pin JJ	Pin KK	Pin LL	Pin MM	Pin NN	Pin PP	
Output	PhsNxt	Walk	PedClr	Walk	PhsChk	PhsOn	PhsNxt	
Index	8	7	7	6	7	7	7	

TS1 Outputs (Connector D)

	Pin z	Pin AA	Pin BB	Pin CC	Pin DD	Pin EE	Pin FF	Pin GG
Output	GenOut	GenOut	GenOut	VehRed	VehRed	VehRed	VehRed	GenOut
Index	0	0	0	0	0	0	0	0
	Pin HH	Pin JJ	Pin LL					
Output	GenOut	DntWlk	VehRed					
Index	0	8	0					

418 - Mack Road/Center Parkway

TS1 Inputs (Connector A)

12/14/2012 1:20:01 PM

	Pin K	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S	Pin T
Input	VehDet	PedDet	Hold	StopTm	MaxInh	None	IntAdv	None
Index	2	2	2	1	1	0	0	0

	Pin f	Pin g	Pin h	Pin i	Pin j	Pin k	Pin m	Pin n
Input	VehDet	PedDet	Hold	Force	MinRec	ManCtrl	CNA	None
Index	1	1	1	1	0	0	1	0

	Pin q	Pin v	Pin w	Pin x	Pin y	Pin z	Pin AA	Pin BB
Input	GenIn	PedOmt	OmtRed	RedRst	GenIn	CNA	None	None
Index	1	2	1	1	0	2	0	0

	Pin EE	Pin FF	Pin GG	Pin HH
Input	VehOmt	PedRcy	MaxII	GenIn
Index	1	1	1	3

TS1 Inputs (Connector B)

	Pin B	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S	Pin T
Input	Preempt	VehDet	PedDet	VehDet	PedDet	VehOmt	VehOmt	PedOmt
Index	2	4	4	3	3	3	2	5

	Pin U	Pin V	Pin W	Pin X	Pin g	Pin h	Pin i	Pin j
Input	VehOmt	PedRcy	Preempt	Preempt	VehOmt	Hold	Hold	PedOmt
Index	1	2	4	5	4	4	3	3

	Pin k	Pin m	Pin n	Pin v	Pin x	Pin z
Input	PedOmt	PedOmt	PedOmt	Preempt	PedOmt	MaxII
Index	6	7	8	6	4	2

418 - Mack Road/Center Parkway

TS1 Inputs (Connector C)

12/14/2012 1:20:01 PM

	Pin P	Pin R	Pin S	Pin T	Pin U	Pin V	Pin W	Pin X
Input	VehDet	PedDet	VehDet	PedDet	PedDet	VehDet	PedDet	Hold
Index	5	5	6	6	7	7	8	8

	Pin Y	Pin Z	Pin a	Pin b	Pin m	Pin n	Pin p	Pin q
Input	Force	StopTm	MaxInh	None	Hold	VehOmt	Hold	VehOmt
Index	2	2	2	0	5	5	6	6

	Pin r	Pin s	Pin t	Pin u	Pin v	Pin EE
Input	VehOmt	VehOmt	VehDet	RedRst	None	Hold
Index	7	8	8	2	0	7

TS1 Inputs (Connector D)

	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin J	Pin K	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin T	Pin U	Pin V	Pin W	Pin X	Pin Y	Pin Z	Pin a
Input	Preempt	Preempt	Preempt	Preempt	None	None	None	None
Index	2	3	4	5	0	0	0	0

	Pin b	Pin c	Pin d	Pin e	Pin f	Pin g	Pin h	Pin i
Input	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet
Index	9	10	11	12	13	14	15	16

	Pin j	Pin k	Pin m	Pin n	Pin p	Pin q	Pin r	Pin s
Input	None	None	None	None	None	None	Preempt	Preempt
Index	0	0	0	0	0	0	0	0

	Pin t	Pin u	Pin v	Pin w	Pin x	Pin y
Input	Preempt	Preempt	Preempt	Preempt	Preempt	Preempt
Index	0	0	0	0	0	0

418 - Mack Road/Center Parkway

Cabinet / MMU Configuration

12/14/2012 1:20:01 PM

Cabinet Type	TS1-2B
MMU Disable	Yes

	1-8	9-16
MMU Channel Ignore		
Det BIU 1-No Fail Call		
Det BIU 2-No Fail Call		
Alt LS Flash		
Alt Phase Flash	2 4 6 8	
Alt Overlap Flash		
Alt LRV Flash		

	1-8	9-16	17-24	25-32
CMU Channel Ignore	1 2 3 4 5 6 7 8	9 0 1 2 3 4 5 6	7 8 9 0 1 2 3 4	5 6 7 8 9 0 1 2

	1-8	9-16	17-24
Det IASM1-Det Diag			
Det IASM2-Det Diag			

Phase / Overlap Outputs

	Phase	Overlap
1	Normal	Normal
2	Normal	Normal
3	Normal	Normal
4	Normal	Normal
5	Normal	Normal
6	Normal	Normal
7	Normal	Normal
8	Normal	Normal
9	Normal	Normal
10	Normal	Normal
11	Normal	Normal
12	Normal	Normal
13	Normal	Normal
14	Normal	Normal
15	Normal	Normal
16	Normal	Normal

LRV Outputs

	LRV
1	2 Head
2	2 Head
3	2 Head
4	2 Head
5	2 Head
6	2 Head
7	2 Head
8	2 Head

418 - Mack Road/Center Parkway

Vehicle Detector 1

12/14/2012 1:20:01 PM

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	1	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	1	
XSwitch Phases		

Vehicle Detector 2

Delay	Extend	Carryover	Queue Limit
4.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

418 - Mack Road/Center Parkway

Vehicle Detector 3

12/14/2012 1:20:01 PM

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	3	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	3	
XSwitch Phases		

Vehicle Detector 4

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	4	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	4	
XSwitch Phases		

418 - Mack Road/Center Parkway

Vehicle Detector 5

12/14/2012 1:20:01 PM

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	5	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	5	
XSwitch Phases		

Vehicle Detector 6

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	6	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	6	
XSwitch Phases		

418 - Mack Road/Center Parkway

Vehicle Detector 7

12/14/2012 1:20:01 PM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	7	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	7	
XSwitch Phases		

Vehicle Detector 8

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	8	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	8	
XSwitch Phases		

418 - Mack Road/Center Parkway

Vehicle Detector 10

12/14/2012 1:20:01 PM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0				
Mode	No Disc			Added	Disabled			System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0		

Phases	1-8								9-16							
Call Phases		2														
Yellow Lock Phases																
Red Lock Phases																
Extend Phases		2														
XSwitch Phases																

Vehicle Detector 12

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0				
Mode	No Disc			Added	Disabled			System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0		

Phases	1-8								9-16							
Call Phases				4												
Yellow Lock Phases																
Red Lock Phases																
Extend Phases				4												
XSwitch Phases																

418 - Mack Road/Center Parkway

Vehicle Detector 14

12/14/2012 1:20:01 PM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0		
Mode	No Disc	Added	Disabled	System	Disabled				
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases						6										
Yellow Lock Phases																
Red Lock Phases																
Extend Phases						6										
XSwitch Phases																

Vehicle Detector 16

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0		
Mode	No Disc	Added	Disabled	System	Disabled				
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases								8								
Yellow Lock Phases																
Red Lock Phases																
Extend Phases								8								
XSwitch Phases																

418 - Mack Road/Center Parkway

Pedestrian Detector 2

12/14/2012 1:20:01 PM

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	2	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 4

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	4	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 6

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	6	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 8

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	8	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

418 - Mack Road/Center Parkway

Control / Config

12/14/2012 1:20:01 PM

Pattern Mode	Central		
Manual Pattern	0	Manual Offset	0
Stop Time Input	Enabled		
Aux Switch	StopTm		5
DLS Mode	D4	Time Zone	Pac (UTC-8)
Password Timeout	5		

	1-8	9-16
Maint Phs Recalls		
Maint Ped Recalls		

Serial 1 Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00
Serial Rebroadcast	Disabled	Response	None

Serial 2 Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00

Ethernet Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00
Serial Rebroadcast	Disabled		

Peer Configuration

Peer 1	0
Peer 2	0
Peer 3	0
Peer 4	0
Peer 5	0
Peer 6	0
Peer 7	0
Peer 8	0

418 - Mack Road/Center Parkway

Logging

12/14/2012 1:20:01 PM

Power On	Disabled	1 of 2 Hits (Det BIU 1)	
Ext Start	Disabled	1 of 2 Hits (Det BIU 2)	
Man Control	Disabled	1 of 2 Hits (Det BIU 3)	
Cabinet Door	Disabled	1 of 2 Hits (Det BIU 4)	
MMU Faults	Disabled	SPmt 1 Req Switch	
BIU Faults	Disabled	SPmt 2 Req Switch	
Det Faults	Disabled	SPmt 3 Req Switch	
Coordination	Disabled	SPmt 4 Req Switch	
Preempt	Disabled	Zone 1 Req Switch	
Soft Preempt	Disabled	Zone 2 Req Switch	
Zone	Disabled	Zone 3 Req Switch	
Speed Traps	Disabled	Zone 4 Req Switch	
		Zone 5 Req Switch	
		Zone 6 Req Switch	
		Zone 7 Req Switch	
		Zone 8 Req Switch	
		Trap Grp 1 Req Switch	
		Trap Grp 2 Req Switch	
		Trap Grp 3 Req Switch	
		Trap Grp 4 Req Switch	

418 - Mack Road/Center Parkway

Restricted Data

12/14/2012 1:20:01 PM

(Serial Ports)

Serial Port 1	4					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0
Serial Port 2	0					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0

(Ethernet)

IP Address	172. 31. 44. 20		
Netmask	255. 255. 254. 0		
Broadcast Address	0. 0. 0. 0		
Gateway	172. 31. 44. 254		
Port	161	Reply Mode	Host
Broadcast Port	0	Response	Time/Plan
Time Port	0		

(General)

Controller Address	1	Timeout	0
Peer Address	0	Timeout	0
Remote Calls	Disabled		
Remote Preempt	Disabled		
Remote Soft Preempt	Disabled		
Remote Priority	Disabled		
Remote MCE	Disabled	MCE Max	0

CITY OF SACRAMENTO

DETECTION SCHEDULE

Center Parkway at Mack Road

	Phase	Controller Detector Input	Location	Direction	Controller / Detector Type / Function			
					Extend	Delay	Passage	Notes
BIU 1	Loops or Retrofit Video							
	Ø1	(1)	Left	W-S			X	D-2
	Ø2	(2)	Front	EB			X	D-1
	Ø3	(3)	Left	S-E			X	D-2
	Ø4	(4)	Front	NB			X	D-1
	Ø5	(5)	Left	E-N			X	D-2
	Ø6	(6)	Front	WB			X	D-1
	Ø7	(7)	Left	N-W			X	D-2
	Ø8	(8)	Front	SB			X	D-1
	Loops							
	Ø1	9						
	Ø2	(10)	Mid, Rear	EB			X	D-1
	Ø3	11						
	Ø4	(12)	Mid, Rear	NB			X	D-1
	Ø5	13						
	Ø6	(14)	Mid, Rear	WB			X	D-1
	Ø7	15						
	Ø8	(16)	Mid, Rear	SB			X	D-1
	New Video Detection							
	BIU 2 (RESERVED)	17-22						
BIU 3	Ø1	33						
	Ø1	34						
	Ø6	35						
	Ø6	36						
	Ø6	37						
	Ø6	38						
	Ø6	39						
	Ø6	40						
	Ø5	41						
	Ø5	42						
	Ø2	43						
	Ø2	44						
	Ø2	45						
	Ø2	46						
	Ø2	47						
	Ø2	48						
BIU 4	Ø3	49						
	Ø3	50						
	Ø8	51						
	Ø8	52						
	Ø8	53						
	Ø8	54						
	Ø8	55						
	Ø8	56						
	Ø7	57						
	Ø7	58						
	Ø4	59						
	Ø4	60						
	Ø4	61						
	Ø4	62						
	Ø4	63						
	Ø4	64						

2070-D-4

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

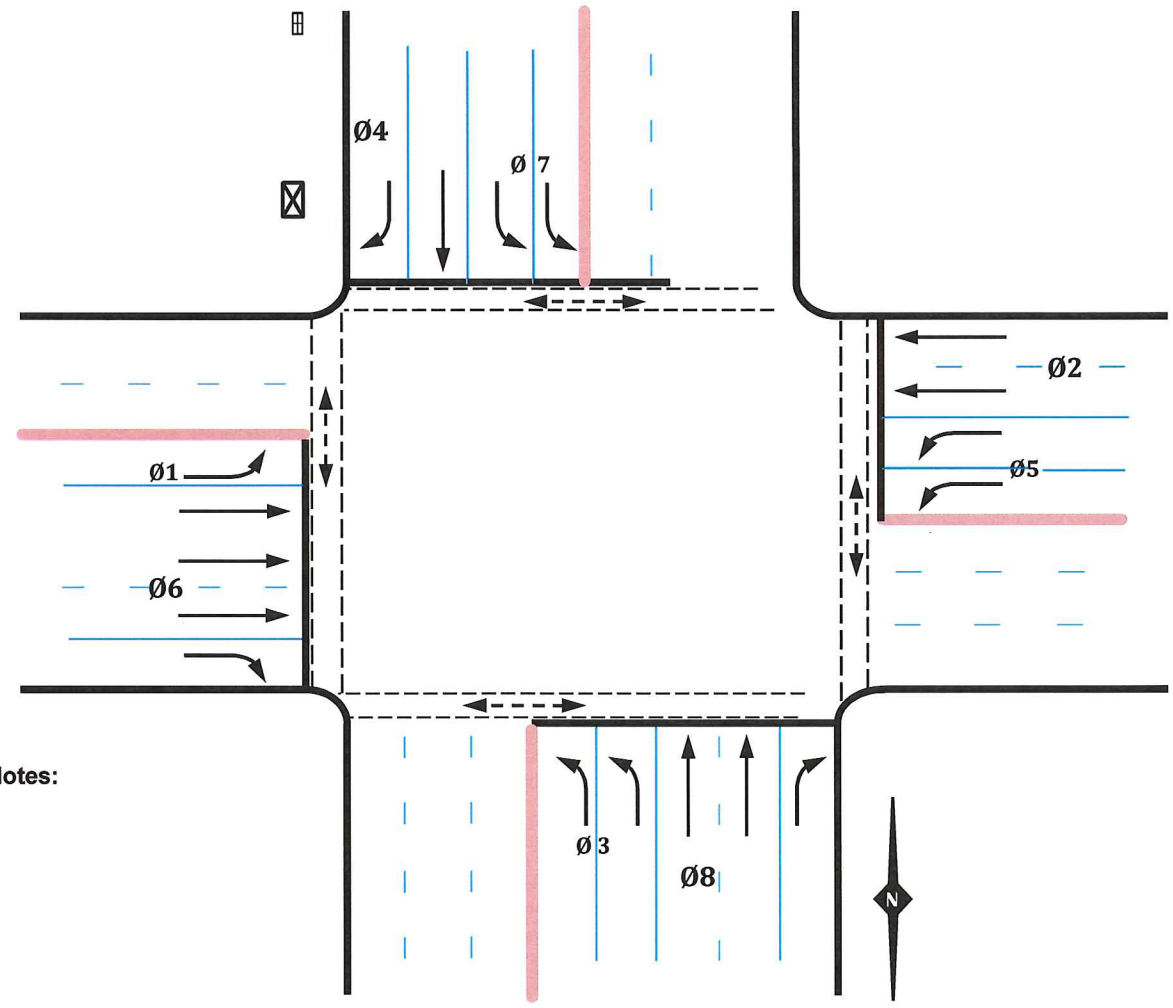
N/S Valley Hi/La Mancha **E/W** Mack Road

INTERSECTION #: 419 SYSTEM: _____ IP Address: 172.31.44.15

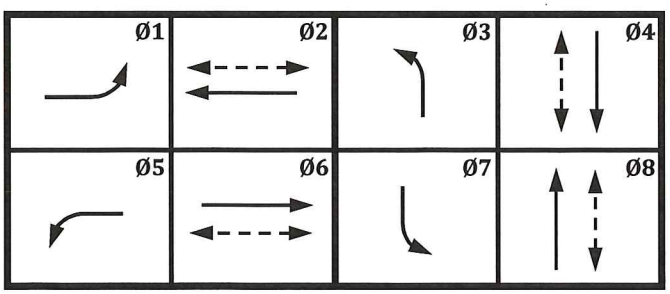
Device ID: 419 Channel: 305 Drop #: 24

Reviewed: [signature] Approved: [signature] Date Implemented: 7/11/11

Compiled by: [signature]



Notes:



419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Phase Timing

8/4/2011 7:52:42 AM

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Min Green	12	9	12	10	12	9	12	10	0	0	0	0	0	0	0	0
Veh Ext	2.0	3.0	2.0	3.9	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Green 1	30	50	30	50	30	50	30	50	0	0	0	0	0	0	0	0
Max Green 2	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yellow	3.5	4.7	3.5	4.3	3.5	4.7	3.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clr	1.0	1.0	1.4	1.0	1.3	1.0	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk	0	7	0	7	0	7	0	7	0	0	0	0	0	0	0	0
Ped Clr	0	18	0	21	0	18	0	22	0	0	0	0	0	0	0	0
Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Early Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Added	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce After	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTReduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neg Ped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AP Disc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Phase Options

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Phases	1-8								9-16							
Min Recalls		2				6										
Max Recalls																
Ped Recalls																
Soft Recall																
Dual Entry		2		4		6		8								
Red Rest																
Walk Rest																
Walk Expand																
Ped Recycle																
No Simult Gap																
Yel Lock																
Red Lock	1		3		5		7									
PhaseNext Lock	1	2	3	4	5	6	7	8								
No Term Call	1	2	3	4	5	6	7	8								
Cond Serv	1				5											
CS Enable		2		4		6		8								
Cond Reserve		2				6										
Reserve																
Veh Omit																
Ped Omit																
Perm Phase																
Protect Calls																
Flash Entry																
Flash Exit																
Flash Exit Yel																
Flash Exit Red																
Ped Scramble																
No Min Yel																
No Min Red Rev																
Max Scramble Walk																
Flash Yellow																
CNA 1																
CNA 2																

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Phase Startup Options

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Startup Flash	0	Mode	Red->Yel
Startup All Red	6	Yellow	0.0

Phases	1-8							9-16							
Startup Phases		2			6										
Startup Yellow		2			6										
Startup Red															
Startup No Walk															
Startup Next			4			8									
No Veh Call															
No Ped Call															

Phase Startup Timing

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Start Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Ring Sequence / Conflicting Phases

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Ringgroup 1

Ring 1	1	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0
Ring 2	5	6	7	8	0	0	0	0	0	0	0	0	0	0	0	0

Ringgroup 2

Custom Sequences

Seq 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Conflicting Phases

	1-8	9-16
Phase 1		
Phase 2		
Phase 3		
Phase 4		
Phase 5		
Phase 6		
Phase 7		
Phase 8		
Phase 9		
Phase 10		
Phase 11		
Phase 12		
Phase 13		
Phase 14		
Phase 15		
Phase 16		

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Coordination Options

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Sync Time	00:00	RTC Set Time	00:00
Transition Mode	Best	Overlap F/O	Disabled
Master Sync Mode	RTC	Master Sync Length	0
Offset Reference	Crd Grp End	Dual Entry	Strict
External Plan Max	0		
Hardwire No Match	Sched	Hardwire Sync Fail	0
Override Omit/Recall	No		

Phases	1-8	9-16
No Trans Recall		
Trans Ped Recall		
Trans Phases		

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Coordination Pattern 1

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Cycle	120	Ringgroup 1 - Offset 1	82	Offset 2	0	Offset 3	0
		Ringgroup 2 - Offset 1	0	Offset 2	0	Offset 3	0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	18	47	17	38	18	47	20	35	0	0	0	0	0	0	0	0
Split Ext	0	20	0	0	0	20	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	14	35	12	29	14	35	15	25	0	0	0	0	0	0	0	0
Max Trans Split	20	51	18	41	20	51	23	37	0	0	0	0	0	0	0	0

Permissive Mode	Reservice	Max Mode	Max Inh	Walk Rest	Yield		
Ped Permissive	Partial						
Permissive Limit	0	Alt Sequence		TOD Link	0		

Phases/Overlaps	1-8								9-16							
Coord Phases		2				6										
No Extend																
Float Enable																
Veh = Ped Perm		2		4		6		8								
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv	1				5											
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority								
Progression Phases								
Priority Alt Seq								
Reserve Extend								

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Coordination Pattern 2

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Cycle: 120 | Ringgroup 1 - Offset 1: 80 | Offset 2: 0 | Offset 3: 0

Ringgroup 2 - Offset 1: 0 | Offset 2: 0 | Offset 3: 0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	17	47	22	34	22	42	21	35	0	0	0	0	0	0	0	0
Split Ext	0	30	0	0	0	30	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	12	36	13	29	15	33	20	22	0	0	0	0	0	0	0	0
Max Trans Split	18	52	19	41	23	47	28	32	0	0	0	0	0	0	0	0

Permissive Mode: Reservice | Max Mode: Max Inh | Walk Rest: Yield

Ped Permissive: Partial

Permissive Limit: 0 | Alt Sequence: | TOD Link: 0

Phases/Overlaps	1-8								9-16							
Coord Phases		2			6											
No Extend																
Float Enable																
Veh = Ped Perm		2		4		6		8								
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv	1			5												
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority								
Progression Phases								
Priority Alt Seq								
Reserve Extend								

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Preempt Inputs

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Preempt Input	1	2	3	4	5	6	7	8	9	10
Delay	0	0	0	0	0	0	0	0	0	0
Checkout Limit	0	0	0	0	0	0	0	0	0	0
Locked	No	No	No	No	No	No	No	No	No	No
Interlock	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Input Number	1	2	3	4	5	0	0	0	0	0
Input Priority	All	All	All	All	All	All	All	All	All	All
Delay Mode	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp

Preempt Priority

Preempt	1	2	3	4	5	6	7	8	9	10
Priority	0	0	0	0	0	0	0	0	0	0

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Preempt 2 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	2	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 2 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	1 6	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	1 6	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 3 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	3	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 3 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	2 5	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	2 5	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 4 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	4	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 4 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	3 8	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	3 8	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 5 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	5	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash			
LRV Omit		Delay	0

Preempt 5 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	4 7	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	4 7	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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TOD Pattern Events

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	Time	DOW							Holidays								Mode	Pattern	Offset
Event 1	07:00		M	T	W	T	F										Sched	1	1
Event 2	09:00		M	T	W	T	F										Sched	2	1
Event 3	14:00		M	T	W	T	F										Sched	2	1
Event 4	19:00	S	M	T	W	T	F	S									Free	0	0
Event 5	00:00																Sched	0	0
Event 6	00:00																Sched	0	0
Event 7	00:00																Sched	0	0
Event 8	00:00																Sched	0	0
Event 9	00:00																Sched	0	0
Event 10	00:00																Sched	0	0
Event 11	00:00																Sched	0	0
Event 12	00:00																Sched	0	0
Event 13	00:00																Sched	0	0
Event 14	00:00																Sched	0	0
Event 15	00:00																Sched	0	0
Event 16	00:00																Sched	0	0
Event 17	00:00																Sched	0	0
Event 18	00:00																Sched	0	0
Event 19	00:00																Sched	0	0
Event 20	00:00																Sched	0	0
Event 21	00:00																Sched	0	0
Event 22	00:00																Sched	0	0
Event 23	00:00																Sched	0	0
Event 24	00:00																Sched	0	0
Event 25	00:00																Sched	0	0
Event 26	00:00																Sched	0	0
Event 27	00:00																Sched	0	0
Event 28	00:00																Sched	0	0
Event 29	00:00																Sched	0	0
Event 30	00:00																Sched	0	0
Event 31	00:00																Sched	0	0
Event 32	00:00																Sched	0	0

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TS1 Outputs (Connector A)

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	Pin D	Pin E	Pin F	Pin G	Pin H	Pin J	Pin X	Pin Y
Output	VehRed	DntWlk	VehRed	DntWlk	PedClr	Walk	GenOut	GenOut
Index	1	1	2	2	2	2	0	0

	Pin Z	Pin a	Pin b	Pin c	Pin d	Pin e	Pin r	Pin s
Output	VehYel	PedClr	VehYel	VehGrn	PhsChk	PhsOn	GenOut	VehGrn
Index	1	1	2	2	2	2	0	1

	Pin t	Pin u	Pin CC	Pin DD
Output	Walk	PhsChk	GenOut	PhsOn
Index	1	1	0	1

TS1 Outputs (Connector B)

	Pin A	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H	Pin J
Output	PhsNxt	PhsNxt	VehGrn	VehYel	VehRed	VehRed	PedClr	DntWlk
Index	1	2	3	3	3	4	4	4

	Pin K	Pin Y	Pin Z	Pin a	Pin b	Pin c	Pin d	Pin e
Output	PhsChk	Walk	PedClr	DntWlk	VehGrn	VehYel	Walk	PhsOn
Index	4	3	3	3	4	4	4	4

	Pin f	Pin p	Pin q	Pin r	Pin s	Pin t	Pin u	Pin w
Output	PhsNxt	OlpYel	OlpRed	PhsChk	PhsOn	PhsNxt	OlpRed	OlpGrn
Index	4	1	1	3	3	3	4	4

	Pin AA	Pin BB	Pin CC	Pin DD	Pin EE	Pin FF	Pin GG	Pin HH
Output	OlpGrn	OlpYel	OlpRed	OlpRed	OlpYel	VehGrn	OlpGrn	OlpYel
Index	1	2	2	3	4	3	2	3

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TS1 Outputs (Connector C)

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	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H
Output	GenOut	GenOut	DntWlk	VehRed	VehYel	VehRed	VehRed	VehRed
Index	0	0	8	8	7	7	6	5
	Pin J	Pin K	Pin L	Pin M	Pin N	Pin c	Pin d	Pin e
Output	VehYel	PedClr	DntWlk	PhsNxt	PhsOn	GenOut	Walk	VehYel
Index	5	5	5	5	5	0	8	8
	Pin f	Pin g	Pin h	Pin i	Pin j	Pin k	Pin w	Pin x
Output	VehGrn	VehGrn	VehYel	VehGrn	Walk	PhsChk	PedClr	VehGrn
Index	7	6	6	5	5	5	8	8
	Pin y	Pin z	Pin AA	Pin BB	Pin CC	Pin DD	Pin FF	Pin GG
Output	DntWlk	DntWlk	PedClr	PhsChk	PhsOn	PhsNxt	PhsChk	PhsOn
Index	7	6	6	6	6	6	8	8
	Pin HH	Pin JJ	Pin KK	Pin LL	Pin MM	Pin NN	Pin PP	
Output	PhsNxt	Walk	PedClr	Walk	PhsChk	PhsOn	PhsNxt	
Index	8	7	7	6	7	7	7	

TS1 Outputs (Connector D)

	Pin z	Pin AA	Pin BB	Pin CC	Pin DD	Pin EE	Pin FF	Pin GG
Output	GenOut	GenOut	GenOut	VehRed	VehRed	VehRed	VehRed	GenOut
Index	0	0	0	0	0	0	0	0
	Pin HH	Pin JJ	Pin LL					
Output	GenOut	DntWlk	VehRed					
Index	0	8	0					

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TS1 Inputs (Connector A)

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	Pin K	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S	Pin T
Input	VehDet	PedDet	Hold	StopTm	MaxInh	None	IntAdv	None
Index	2	2	2	1	1	0	0	0

	Pin f	Pin g	Pin h	Pin i	Pin j	Pin k	Pin m	Pin n
Input	VehDet	PedDet	Hold	Force	MinRec	ManCtrl	CNA	None
Index	1	1	1	1	0	0	1	0

	Pin q	Pin v	Pin w	Pin x	Pin y	Pin z	Pin AA	Pin BB
Input	GenIn	PedOmt	OmtRed	RedRst	GenIn	CNA	None	None
Index	1	2	1	1	0	2	0	0

	Pin EE	Pin FF	Pin GG	Pin HH
Input	VehOmt	PedRcy	MaxII	GenIn
Index	1	1	1	3

TS1 Inputs (Connector B)

	Pin B	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S	Pin T
Input	Preempt	VehDet	PedDet	VehDet	PedDet	VehOmt	VehOmt	PedOmt
Index	2	4	4	3	3	3	2	5

	Pin U	Pin V	Pin W	Pin X	Pin g	Pin h	Pin i	Pin j
Input	VehOmt	PedRcy	Preempt	Preempt	VehOmt	Hold	Hold	PedOmt
Index	1	2	4	5	4	4	3	3

	Pin k	Pin m	Pin n	Pin v	Pin x	Pin z
Input	PedOmt	PedOmt	PedOmt	Preempt	PedOmt	MaxII
Index	6	7	8	6	4	2

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TS1 Inputs (Connector C)

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	Pin P	Pin R	Pin S	Pin T	Pin U	Pin V	Pin W	Pin X
Input	VehDet	PedDet	VehDet	PedDet	PedDet	VehDet	PedDet	Hold
Index	5	5	6	6	7	7	8	8

	Pin Y	Pin Z	Pin a	Pin b	Pin m	Pin n	Pin p	Pin q
Input	Force	StopTm	MaxInh	None	Hold	VehOmt	Hold	VehOmt
Index	2	2	2	0	5	5	6	6

	Pin r	Pin s	Pin t	Pin u	Pin v	Pin EE
Input	VehOmt	VehOmt	VehDet	RedRst	None	Hold
Index	7	8	8	2	0	7

TS1 Inputs (Connector D)

	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin J	Pin K	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin T	Pin U	Pin V	Pin W	Pin X	Pin Y	Pin Z	Pin a
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin b	Pin c	Pin d	Pin e	Pin f	Pin g	Pin h	Pin i
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0

	Pin j	Pin k	Pin m	Pin n	Pin p	Pin q	Pin r	Pin s
Input	None	None	None	None	None	None	Preempt	Preempt
Index	0	0	0	0	0	0	2	3

	Pin t	Pin u	Pin v	Pin w	Pin x	Pin y
Input	Preempt	Preempt	None	None	None	None
Index	4	5	0	0	0	0

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 1

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0		
Mode	No Disc	Added	Disabled	System	Disabled				
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	1	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	1	
XSwitch Phases		

Vehicle Detector 2

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0		
Mode	No Disc	Added	Disabled	System	Disabled				
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 3

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	3	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	3	
XSwitch Phases		

Vehicle Detector 4

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	4	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	4	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 5

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases				5												
Yellow Lock Phases																
Red Lock Phases																
Extend Phases				5												
XSwitch Phases																

Vehicle Detector 6

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases						6										
Yellow Lock Phases																
Red Lock Phases																
Extend Phases						6										
XSwitch Phases																

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 7

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases							7									
Yellow Lock Phases																
Red Lock Phases																
Extend Phases							7									
XSwitch Phases																

Vehicle Detector 8

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases								8								
Yellow Lock Phases																
Red Lock Phases																
Extend Phases								8								
XSwitch Phases																

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 10

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0		
Mode	No Disc	Added	Disabled	System	Disabled				
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

Vehicle Detector 12

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0		
Mode	No Disc	Added	Disabled	System	Disabled				
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	4	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	4	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 14

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases						6										
Yellow Lock Phases																
Red Lock Phases																
Extend Phases						6										
XSwitch Phases																

Vehicle Detector 16

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases								8								
Yellow Lock Phases																
Red Lock Phases																
Extend Phases								8								
XSwitch Phases																

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 18

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0		
Mode	No Disc	Added	Disabled	System	Disabled				
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8							9-16							
Call Phases		2													
Yellow Lock Phases															
Red Lock Phases															
Extend Phases		2													
XSwitch Phases															

Vehicle Detector 21

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0		
Mode	No Disc	Added	Disabled	System	Disabled				
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8							9-16							
Call Phases				4											
Yellow Lock Phases															
Red Lock Phases															
Extend Phases				4											
XSwitch Phases															

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 33

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	Disconnect	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	1	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	1	
XSwitch Phases		

Vehicle Detector 35

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	Disconnect	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	6	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	6	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 41

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	Disconnect	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	5	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	5	
XSwitch Phases		

Vehicle Detector 43

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	Disconnect	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 51

8/4/2011 7:52:42 AM

Delay	4.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	Disconnect	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	8	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	8	
XSwitch Phases		

Vehicle Detector 57

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	7	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	7	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 59

8/4/2011 7:52:42 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	Disconnect	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases				4												
Yellow Lock Phases																
Red Lock Phases																
Extend Phases				4												
XSwitch Phases																

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Pedestrian Detector 2

8/4/2011 7:52:42 AM

No Act: 0 | Max Pres: 0 | Erratic: 0 | Fail Mode: None

Phases/Overlaps	1-8	9-16
Call Ped Phases	2	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 4

No Act: 0 | Max Pres: 0 | Erratic: 0 | Fail Mode: None

Phases/Overlaps	1-8	9-16
Call Ped Phases	4	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 6

No Act: 0 | Max Pres: 0 | Erratic: 0 | Fail Mode: None

Phases/Overlaps	1-8	9-16
Call Ped Phases	6	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 8

No Act: 0 | Max Pres: 0 | Erratic: 0 | Fail Mode: None

Phases/Overlaps	1-8	9-16
Call Ped Phases	8	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Control / Config

8/4/2011 7:52:42 AM

Pattern Mode	Sched			
Manual Pattern	0	Manual Offset	0	
Stop Time Input	Enabled			
Aux Switch	StopTm		5	
DLS Mode	D4	Time Zone	Pac (UTC-8)	
Password Timeout	5			

	1-8	9-16
Maint Phs Recalls		
Maint Ped Recalls		

Serial 1 Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00
Serial Rebroadcast	Disabled	Response	None

Serial 2 Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00

Ethernet Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00
Serial Rebroadcast	Disabled		

Peer Configuration

Peer 1	0
Peer 2	0
Peer 3	0
Peer 4	0
Peer 5	0
Peer 6	0
Peer 7	0
Peer 8	0

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Restricted Data

8/4/2011 7:52:42 AM

(Serial Ports)

Serial Port 1	4					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0
Serial Port 2	0					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0

(Ethernet)

IP Address	172. 31. 44. 15		
Netmask	255. 255. 254. 0		
Broadcast Address	0. 0. 0. 0		
Gateway	172. 31. 44. 253		
Port	161	Reply Mode	Host
Broadcast Port	0	Response	Time/Plan
Time Port	0		

(General)

Controller Address	1	Timeout	0
Peer Address	0	Timeout	0
Remote Calls	Disabled		
Remote Preempt	Disabled		
Remote Soft Preempt	Disabled		
Remote Priority	Disabled		
Remote MCE	Disabled	MCE Max	0

2070 ATCeX

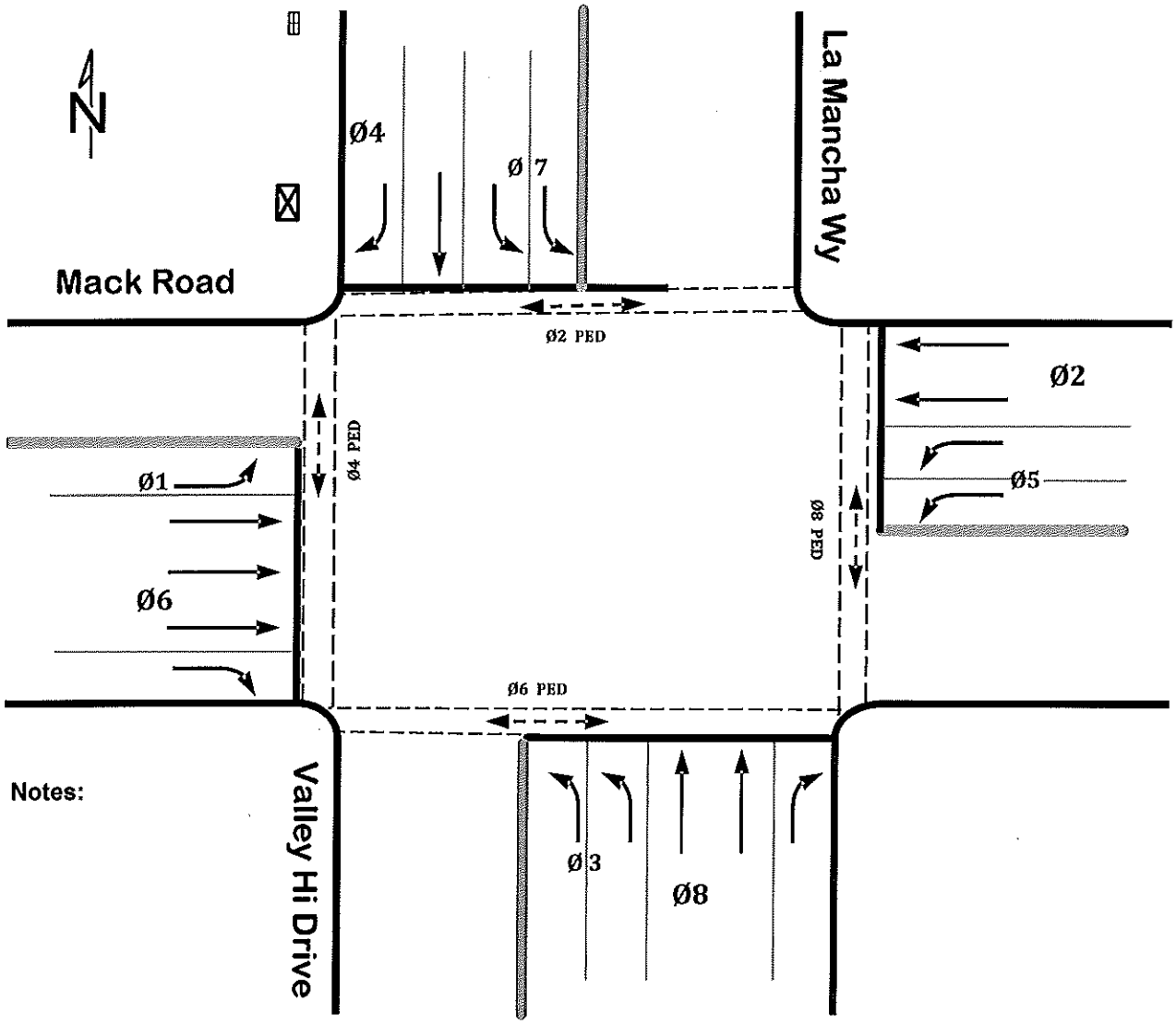
TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

N/S Valley Hi/La Mancha Wy **E/W** Mack Road

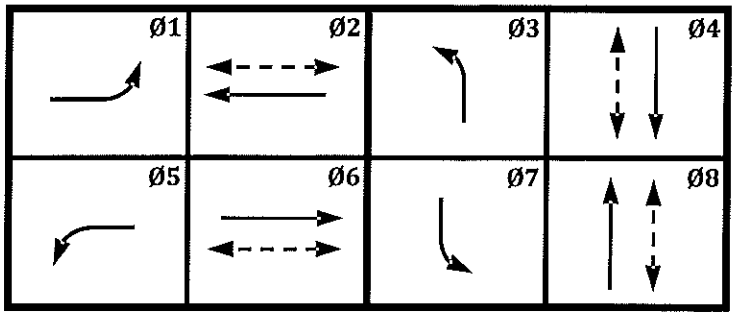
Intersection #: 419 System: _____ IP Address: 172.31.44.15

CCS: 3 Channel: 305 Drop #: 24

Prepared by: _____ Approved by: _____ Date Implemented: 9-4-14



Notes:



419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Phase Timing

9/4/2014 1:58:32 PM

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Min Green	12	9	12	10	12	9	12	11	0	0	0	0	0	0	0	0
Veh Ext	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Green 1	30	50	30	30	30	50	30	50	0	0	0	0	0	0	0	0
Max Green 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yellow	3.5	4.7	3.5	4.3	3.5	4.7	3.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clr	1.0	1.0	1.4	1.0	1.3	1.0	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk	0	7	0	5	0	7	0	5	0	0	0	0	0	0	0	0
Ped Clr	0	21	0	24	0	21	0	24	0	0	0	0	0	0	0	0
Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Early Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Added	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce After	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTReduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neg Ped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AP Disc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Phase Options

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Phases	1-8								9-16							
Min Recalls		2				6										
Max Recalls																
Ped Recalls																
Soft Recall																
Dual Entry																
Red Rest																
Walk Rest																
Walk Expand																
Ped Recycle																
No Simult Gap																
Yel Lock																
Red Lock	1		3		5		7									
PhaseNext Lock	1	2	3	4	5	6	7	8								
No Term Call	1	2	3	4	5	6	7	8								
Cond Serv	1		3		5		7									
CS Enable																
Cond Reserve																
Reserve																
Veh Omit																
Ped Omit																
Perm Phase																
Protect Calls																
Flash Entry																
Flash Exit																
Flash Exit Yel																
Flash Exit Red																
Ped Scramble																
No Min Yel																
No Min Red Rev																
Max Scramble Walk																
Flash Yellow																
CNA 1																
CNA 2																

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Phase Startup Options

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Startup Flash	0	Mode	Red->Yel
Startup All Red	6	Yellow	0.0

Phases	1-8								9-16							
Startup Phases		2				6										
Startup Yellow		2				6										
Startup Red																
Startup No Walk																
Startup Next				4				8								
No Veh Call																
No Ped Call																

Phase Startup Timing

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Start Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Ring Sequence / Conflicting Phases

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Ringgroup 1

Ring 1	1	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0
Ring 2	5	6	7	8	0	0	0	0	0	0	0	0	0	0	0	0

Ringgroup 2

Custom Sequences

Seq 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Conflicting Phases

	1-8	9-16
Phase 1		
Phase 2		
Phase 3		
Phase 4		
Phase 5		
Phase 6		
Phase 7		
Phase 8		
Phase 9		
Phase 10		
Phase 11		
Phase 12		
Phase 13		
Phase 14		
Phase 15		
Phase 16		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Coordination Options

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Sync Time	00:00	RTC Set Time	00:00
Transition Mode	Best	Overlap F/O	Disabled
Master Sync Mode	RTC	Master Sync Length	0
Offset Reference	Lead Grn	Dual Entry	Strict
External Plan Max	0		
Hardwire No Match	Sched	Hardwire Sync Fail	0
Override Omit/Recall	No		

Phases	1-8	9-16
No Trans Recall		
Trans Ped Recall		
Trans Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Coordination Pattern 1

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Cycle: 120 | Ringgroup 1 - Offset 1: 82 | Offset 2: 0 | Offset 3: 0

Ringgroup 2 - Offset 1: 0 | Offset 2: 0 | Offset 3: 0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	18	47	17	38	18	47	20	35	0	0	0	0	0	0	0	0
Split Ext	0	37	0	0	0	37	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	14	35	12	29	14	35	15	25	0	0	0	0	0	0	0	0
Max Trans Split	20	51	18	41	20	51	23	37	0	0	0	0	0	0	0	0

Permissive Mode: Reservice | Max Mode: Max Inh | Walk Rest: Yield

Ped Permissive: Partial

Permissive Limit: 0 | Alt Sequence: | TOD Link: 0

Phases/Overlaps	1-8								9-16							
Coord Phases		2				6										
No Extend																
Float Enable																
Veh = Ped Perm		2		4		6		8								
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv																
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority								
Progression Phases								
Priority Alt Seq								
Reserve Extend								

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Coordination Pattern 2

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Cycle: 120 | Ringgroup 1 - Offset 1: 80 | Offset 2: 0 | Offset 3: 0

Ringgroup 2 - Offset 1: 0 | Offset 2: 0 | Offset 3: 0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	17	47	22	34	22	42	21	35	0	0	0	0	0	0	0	0
Split Ext	0	37	0	0	0	32	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	12	36	13	29	15	33	20	22	0	0	0	0	0	0	0	0
Max Trans Split	18	52	19	41	23	47	28	32	0	0	0	0	0	0	0	0

Permissive Mode: Reservice | Max Mode: Max Inh | Walk Rest: Yield

Ped Permissive: Partial

Permissive Limit: 0 | Alt Sequence: | TOD Link: 0

Phases/Overlaps	1-8								9-16							
Coord Phases		2				6										
No Extend																
Float Enable																
Veh = Ped Perm		2		4		6		8								
Walk Rest																
Ped Recall																
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall																
Cond Serv																
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority																
Progression Phases																
Priority Alt Seq																
Reserve Extend																

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Preempt Inputs

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Preempt Input	1	2	3	4	5	6	7	8	9	10
Delay	0	0	0	0	0	0	0	0	0	0
Checkout Limit	0	0	0	0	0	0	0	0	0	0
Locked	No	No	No	No	No	No	No	No	No	No
Interlock	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Input Number	1	2	3	4	5	0	0	0	0	0
Input Priority	All	All	All	All	All	All	All	All	All	All
Delay Mode	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp

Preempt Priority

Preempt	1	2	3	4	5	6	7	8	9	10
Priority	0	0	0	0	0	0	0	0	0	0

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Preempt 2 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	2	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 2 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	1 6	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	1 6	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 3 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	3	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash			
LRV Omit		Delay	0

Preempt 3 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	2 5	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	2 5	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 4 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	4	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 4 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	3, 8	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	3, 8	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2, 4, 6, 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 5 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	5	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash			
LRV Omit		Delay	0

Preempt 5 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	4 7	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	4 7	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk	2 4 6 8	
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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TOD Pattern Events

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	Time	DOW							Holidays								Mode	Pattern	Offset
Event 1	07:00		M	T	W	T	F										Sched	1	1
Event 2	09:00		M	T	W	T	F										Sched	2	1
Event 3	14:00		M	T	W	T	F										Sched	2	1
Event 4	19:00	S	M	T	W	T	F	S									Free	0	0
Event 5	00:00																Sched	0	0
Event 6	00:00																Sched	0	0
Event 7	00:00																Sched	0	0
Event 8	00:00																Sched	0	0
Event 9	00:00																Sched	0	0
Event 10	00:00																Sched	0	0
Event 11	00:00																Sched	0	0
Event 12	00:00																Sched	0	0
Event 13	00:00																Sched	0	0
Event 14	00:00																Sched	0	0
Event 15	00:00																Sched	0	0
Event 16	00:00																Sched	0	0
Event 17	00:00																Sched	0	0
Event 18	00:00																Sched	0	0
Event 19	00:00																Sched	0	0
Event 20	00:00																Sched	0	0
Event 21	00:00																Sched	0	0
Event 22	00:00																Sched	0	0
Event 23	00:00																Sched	0	0
Event 24	00:00																Sched	0	0
Event 25	00:00																Sched	0	0
Event 26	00:00																Sched	0	0
Event 27	00:00																Sched	0	0
Event 28	00:00																Sched	0	0
Event 29	00:00																Sched	0	0
Event 30	00:00																Sched	0	0
Event 31	00:00																Sched	0	0
Event 32	00:00																Sched	0	0

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TS1 Outputs (Connector A)

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	Pin D	Pin E	Pin F	Pin G	Pin H	Pin J	Pin X	Pin Y
Output	VehRed	DntWlk	VehRed	DntWlk	PedClr	Walk	GenOut	GenOut
Index	1	1	2	2	2	2	0	0

	Pin Z	Pin a	Pin b	Pin c	Pin d	Pin e	Pin r	Pin s
Output	VehYel	PedClr	VehYel	VehGrn	PhsChk	PhsOn	GenOut	VehGrn
Index	1	1	2	2	2	2	0	1

	Pin t	Pin u	Pin CC	Pin DD
Output	Walk	PhsChk	GenOut	PhsOn
Index	1	1	0	1

TS1 Outputs (Connector B)

	Pin A	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H	Pin J
Output	PhsNxt	PhsNxt	VehGrn	VehYel	VehRed	VehRed	PedClr	DntWlk
Index	1	2	3	3	3	4	4	4

	Pin K	Pin Y	Pin Z	Pin a	Pin b	Pin c	Pin d	Pin e
Output	PhsChk	Walk	PedClr	DntWlk	VehGrn	VehYel	Walk	PhsOn
Index	4	3	3	3	4	4	4	4

	Pin f	Pin p	Pin q	Pin r	Pin s	Pin t	Pin u	Pin w
Output	PhsNxt	OlpYel	OlpRed	PhsChk	PhsOn	PhsNxt	OlpRed	OlpGrn
Index	4	1	1	3	3	3	4	4

	Pin AA	Pin BB	Pin CC	Pin DD	Pin EE	Pin FF	Pin GG	Pin HH
Output	OlpGrn	OlpYel	OlpRed	OlpRed	OlpYel	VehGrn	OlpGrn	OlpYel
Index	1	2	2	3	4	3	2	3

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TS1 Outputs (Connector C)

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	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H
Output	GenOut	GenOut	DntWlk	VehRed	VehYel	VehRed	VehRed	VehRed
Index	0	0	8	8	7	7	6	5
	Pin J	Pin K	Pin L	Pin M	Pin N	Pin c	Pin d	Pin e
Output	VehYel	PedClr	DntWlk	PhsNxt	PhsOn	GenOut	Walk	VehYel
Index	5	5	5	5	5	0	8	8
	Pin f	Pin g	Pin h	Pin i	Pin j	Pin k	Pin w	Pin x
Output	VehGrn	VehGrn	VehYel	VehGrn	Walk	PhsChk	PedClr	VehGrn
Index	7	6	6	5	5	5	8	8
	Pin y	Pin z	Pin AA	Pin BB	Pin CC	Pin DD	Pin FF	Pin GG
Output	DntWlk	DntWlk	PedClr	PhsChk	PhsOn	PhsNxt	PhsChk	PhsOn
Index	7	6	6	6	6	6	8	8
	Pin HH	Pin JJ	Pin KK	Pin LL	Pin MM	Pin NN	Pin PP	
Output	PhsNxt	Walk	PedClr	Walk	PhsChk	PhsOn	PhsNxt	
Index	8	7	7	6	7	7	7	

TS1 Outputs (Connector D)

	Pin z	Pin AA	Pin BB	Pin CC	Pin DD	Pin EE	Pin FF	Pin GG
Output	GenOut	GenOut	GenOut	VehRed	VehRed	VehRed	VehRed	GenOut
Index	0	0	0	0	0	0	0	0
	Pin HH	Pin JJ	Pin LL					
Output	GenOut	DntWlk	VehRed					
Index	0	8	0					

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TS1 Inputs (Connector A)

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	Pin K	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S	Pin T
Input	VehDet	PedDet	Hold	StopTm	MaxInh	None	IntAdv	None
Index	2	2	2	1	1	0	0	0

	Pin f	Pin g	Pin h	Pin i	Pin j	Pin k	Pin m	Pin n
Input	VehDet	PedDet	Hold	Force	MinRec	ManCtrl	CNA	None
Index	1	1	1	1	0	0	1	0

	Pin q	Pin v	Pin w	Pin x	Pin y	Pin z	Pin AA	Pin BB
Input	GenIn	PedOmt	OmtRed	RedRst	GenIn	CNA	None	None
Index	1	2	1	1	0	2	0	0

	Pin EE	Pin FF	Pin GG	Pin HH
Input	VehOmt	PedRcy	MaxII	GenIn
Index	1	1	1	3

TS1 Inputs (Connector B)

	Pin B	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S	Pin T
Input	Preempt	VehDet	PedDet	VehDet	PedDet	VehOmt	VehOmt	PedOmt
Index	2	4	4	3	3	3	2	5

	Pin U	Pin V	Pin W	Pin X	Pin g	Pin h	Pin i	Pin j
Input	VehOmt	PedRcy	Preempt	Preempt	VehOmt	Hold	Hold	PedOmt
Index	1	2	4	5	4	4	3	3

	Pin k	Pin m	Pin n	Pin v	Pin x	Pin z
Input	PedOmt	PedOmt	PedOmt	Preempt	PedOmt	MaxII
Index	6	7	8	6	4	2

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TS1 Inputs (Connector C)

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	Pin P	Pin R	Pin S	Pin T	Pin U	Pin V	Pin W	Pin X
Input	VehDet	PedDet	VehDet	PedDet	PedDet	VehDet	PedDet	Hold
Index	5	5	6	6	7	7	8	8
	Pin Y	Pin Z	Pin a	Pin b	Pin m	Pin n	Pin p	Pin q
Input	Force	StopTm	MaxInh	None	Hold	VehOmt	Hold	VehOmt
Index	2	2	2	0	5	5	6	6
	Pin r	Pin s	Pin t	Pin u	Pin v	Pin EE		
Input	VehOmt	VehOmt	VehDet	RedRst	None	Hold		
Index	7	8	8	2	0	7		

TS1 Inputs (Connector D)

	Pin A	Pin B	Pin C	Pin D	Pin E	Pin F	Pin G	Pin H
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0
	Pin J	Pin K	Pin L	Pin M	Pin N	Pin P	Pin R	Pin S
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0
	Pin T	Pin U	Pin V	Pin W	Pin X	Pin Y	Pin Z	Pin a
Input	Preempt	Preempt	Preempt	Preempt	None	None	None	None
Index	2	3	4	5	0	0	0	0
	Pin b	Pin c	Pin d	Pin e	Pin f	Pin g	Pin h	Pin i
Input	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet
Index	9	10	11	12	13	14	15	16
	Pin j	Pin k	Pin m	Pin n	Pin p	Pin q	Pin r	Pin s
Input	None	None	None	None	None	None	Preempt	Preempt
Index	0	0	0	0	0	0	0	0
	Pin t	Pin u	Pin v	Pin w	Pin x	Pin y		
Input	Preempt	Preempt	None	None	None	None		
Index	0	0	0	0	0	0		

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Cabinet / MMU Configuration

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Cabinet Type	TS1-2B
MMU Disable	Yes

	1-8	9-16
MMU Channel Ignore		
Det BIU 1-No Fail Call		
Det BIU 2-No Fail Call		
Alt LS Flash		
Alt Phase Flash	2 4 6 8	
Alt Overlap Flash		
Alt LRV Flash		

	1-8	9-16	17-24	25-32
CMU Channel Ignore	1 2 3 4 5 6 7 8	9 0 1 2 3 4 5 6	7 8 9 0 1 2 3 4	5 6 7 8 9 0 1 2

	1-8	9-16	17-24
Det IASM1-Det Diag			

	1-8	9-16	17-24
Det IASM2-Det Diag			

Phase / Overlap Outputs

	Phase	Overlap
1	Normal	Normal
2	Normal	Normal
3	Normal	Normal
4	Normal	Normal
5	Normal	Normal
6	Normal	Normal
7	Normal	Normal
8	Normal	Normal
9	Normal	Normal
10	Normal	Normal
11	Normal	Normal
12	Normal	Normal
13	Normal	Normal
14	Normal	Normal
15	Normal	Normal
16	Normal	Normal

LRV Outputs

	LRV
1	2 Head
2	2 Head
3	2 Head
4	2 Head
5	2 Head
6	2 Head
7	2 Head
8	2 Head

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Vehicle Detector 1

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Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	1	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	1	
XSwitch Phases		

Vehicle Detector 2

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

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Vehicle Detector 3

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Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	3	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	3	
XSwitch Phases		

Vehicle Detector 4

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	4	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	4	
XSwitch Phases		

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Vehicle Detector 5

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Delay [0.0] Extend [0.0] Carryover [0.0] Queue Limit [0]

Mode [No Disc] Added [Disabled] System [Disabled]

Fail Mode [None] Max Pres [0] No Act [0] Erratic [0] Fail Time [0]

Phases	1-8	9-16
Call Phases	5	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	5	
XSwitch Phases		

Vehicle Detector 6

Delay [0.0] Extend [0.0] Carryover [0.0] Queue Limit [0]

Mode [No Disc] Added [Disabled] System [Disabled]

Fail Mode [None] Max Pres [0] No Act [0] Erratic [0] Fail Time [0]

Phases	1-8	9-16
Call Phases	6	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	6	
XSwitch Phases		

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Vehicle Detector 7

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Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	7	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	7	
XSwitch Phases		

Vehicle Detector 8

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	8	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	8	
XSwitch Phases		

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Vehicle Detector 10

9/4/2014 1:58:32 PM

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

Vehicle Detector 12

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	4	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	4	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 14

9/4/2014 1:58:32 PM

Delay 0.0 Extend 0.0 Carryover 0.0 Queue Limit 0

Mode No Disc Added Disabled System Disabled

Fail Mode None Max Pres 0 No Act 0 Erratic 0 Fail Time 0

Phases	1-8								9-16							
Call Phases						6										
Yellow Lock Phases																
Red Lock Phases																
Extend Phases						6										
XSwitch Phases																

Vehicle Detector 16

Delay 0.0 Extend 0.0 Carryover 0.0 Queue Limit 0

Mode No Disc Added Disabled System Disabled

Fail Mode None Max Pres 0 No Act 0 Erratic 0 Fail Time 0

Phases	1-8								9-16							
Call Phases								8								
Yellow Lock Phases																
Red Lock Phases																
Extend Phases								8								
XSwitch Phases																

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 18

9/4/2014 1:58:32 PM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8							9-16							
Call Phases		2													
Yellow Lock Phases															
Red Lock Phases															
Extend Phases		2													
XSwitch Phases															

Vehicle Detector 21

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8							9-16							
Call Phases				4											
Yellow Lock Phases															
Red Lock Phases															
Extend Phases				4											
XSwitch Phases															

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 33

9/4/2014 1:58:32 PM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	Disconnect	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	1	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	1	
XSwitch Phases		

Vehicle Detector 35

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	Disconnect	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	6	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	6	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 41

9/4/2014 1:58:32 PM

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
Disconnect	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	5	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	5	
XSwitch Phases		

Vehicle Detector 43

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
Disconnect	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 51

9/4/2014 1:58:32 PM

Delay	Extend	Carryover	Queue Limit
4.0	0.0	0.0	0

Mode	Added	System
Disconnect	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	8	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	8	
XSwitch Phases		

Vehicle Detector 57

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	7	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	7	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Vehicle Detector 59

9/4/2014 1:58:32 PM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	Disconnect	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8	9-16
Call Phases	4	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	4	
XSwitch Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Pedestrian Detector 2

9/4/2014 1:58:32 PM

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	2	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 4

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	4	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 6

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	6	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 8

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	8	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Control / Config

9/4/2014 1:58:32 PM

Pattern Mode: Sched

Manual Pattern: 0 Manual Offset: 0

Stop Time Input: Enabled

Aux Switch: StopTm 5

DLS Mode: D4 Time Zone: Pac (UTC-8)

Password Timeout: 5

	1-8	9-16
Maint Phs Recalls		
Maint Ped Recalls		

Serial 1 Port Configuration

Broadcast Plan/Sync: Disabled Broadcast Time: 00:00

Serial Rebroadcast: Disabled Response: None

Serial 2 Port Configuration

Broadcast Plan/Sync: Disabled Broadcast Time: 00:00

Ethernet Port Configuration

Broadcast Plan/Sync: Disabled Broadcast Time: 00:00

Serial Rebroadcast: Disabled

Peer Configuration

Peer 1: 0

Peer 2: 0

Peer 3: 0

Peer 4: 0

Peer 5: 0

Peer 6: 0

Peer 7: 0

Peer 8: 0

419 -Mack Rd @ Valley Hi Dr/La Mancha Wy

Restricted Data

9/4/2014 1:58:32 PM

(Serial Ports)

Serial Port 1	4					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0
Serial Port 2	0					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0

(Ethernet)

IP Address	172. 31. 44. 15		
Netmask	255. 255. 254. 0		
Broadcast Address	0. 0. 0. 0		
Gateway	172. 31. 44. 254		
Port	161	Reply Mode	Host
Broadcast Port	0	Response	Time/Plan
Time Port	0		

(General)

Controller Address	1	Timeout	0
Peer Address	0	Timeout	0
Remote Calls	Disabled		
Remote Preempt	Disabled		
Remote Soft Preempt	Disabled		
Remote Priority	Disabled		
Remote MCE	Disabled	MCE Max	0

City of Sacramento

DETECTION SCHEDULE

Valley High/ La Mancha at Mack Road #419

	Phase	Controller Detector Input	Location	Direction	Controller / Detector Type / Function			
					Extend	Delay	Passage	Notes
BIU 1	Loops or Retrofit Video							
	Φ1	1	Left	E-N			X	D-1
	Φ2	2	Front	WB			X	D-2
	Φ3	3	Left	N-W			X	D-1, D-2
	Φ4	4	Front	SB			X	D2, D3 Type 3
	Φ5	5	Left	W-S			X	D-1, D-2
	Φ6	6	Front	EB			X	D-2
	Φ7	7	Left	S-E			X	D1, D2
	Φ8	8	Front	NB			X	D-1, D-2
	Loops							
	Φ1	9						
	Φ2	10						
	Φ3	11						
	Φ4	12						
	Φ5	13						
	Φ6	14						
	Φ7	15						
	Φ8	16						
	New Video Detection							
	BIU 2 (RESERVED)	17-22						
BIU 3	Φ1	33						
	Φ1	34						
	Φ6	35						
	Φ6	36						
	Φ6	37						
	Φ6	38						
	Φ6	39						
	Φ6	40						
	Φ5	41						
	Φ5	42						
	Φ2	43						
	Φ2	44						
	Φ2	45						
	Φ2	46						
	Φ2	47						
	Φ2	48						
BIU 4	Φ3	49						
	Φ3	50						
	Φ8	51						
	Φ8	52						
	Φ8	53						
	Φ8	54						
	Φ8	55						
	Φ8	56						
	Φ7	57						
	Φ7	58						
	Φ4	59						
	Φ4	60						
	Φ4	61						
	Φ4	62						
	Φ4	63						
	Φ4	64						

2070-D-4

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

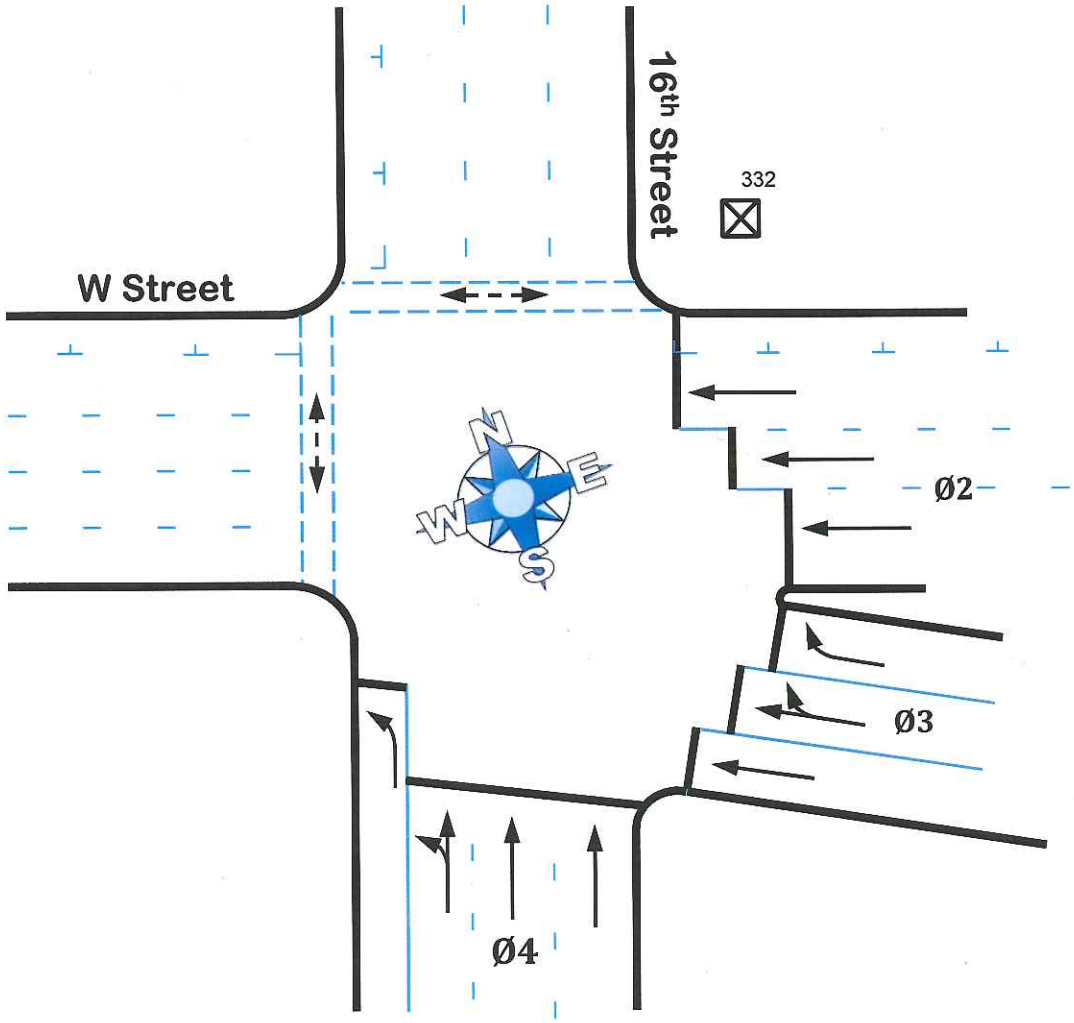
N/S 16th Street **E/W** W Street

Intersection #: 305 System _____ IP Address: _____

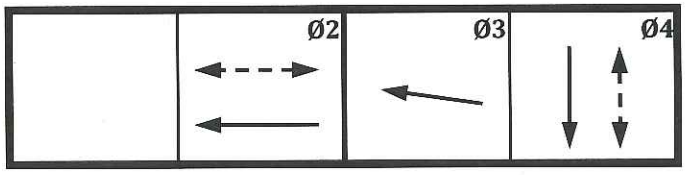
Device ID: 3041 Channel: 36 Drop #: 4

Reviewed: ael/sm Approved: _____ Date Implemented: 12/20/12

Compiled by: Wys



Notes:



305 - 16th Street at W Street

Phase Timing

12/14/2012 2:33:34 PM

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Min Green	0	8	9	8	0	0	0	0	0	0	0	0	0	0	0	0
Veh Ext	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Green 1	30	25	25	25	0	0	30	40	0	0	0	0	0	0	0	0
Max Green 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yellow	0.0	3.9	3.7	3.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clr	0	11	0	12	0	0	0	0	0	0	0	0	0	0	0	0
Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Early Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Added	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce After	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTReduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neg Ped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AP Disc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

Phase Options

3/28/2012 8:26:37 AM

Phases	1-8								9-16							
Min Recalls		2	3	4												
Max Recalls																
Ped Recalls		2		4												
Soft Recall																
Dual Entry																
Red Rest																
Walk Rest																
Walk Expand		2		4												
Ped Recycle																
No Simult Gap																
Yel Lock																
Red Lock																
PhaseNext Lock																
No Term Call																
Cond Serv																
CS Enable																
Cond Reserve																
Reserve																
Veh Omit																
Ped Omit																
Perm Phase																
Protect Calls																
Flash Entry																
Flash Exit																
Flash Exit Yel																
Flash Exit Red																
Ped Scramble																
No Min Yel																
No Min Red Rev																
Max Scramble Walk																
Flash Yellow																
CNA 1																
CNA 2																

305 - 16th Street at W Street

Phase Startup Options

3/28/2012 8:26:37 AM

Startup Flash	0	Mode	Red->Yel
Startup All Red	6	Yellow	0.0

Phases	1-8								9-16							
Startup Phases				4												
Startup Yellow				4												
Startup Red																
Startup No Walk																
Startup Next		2														
No Veh Call																
No Ped Call																

Phase Startup Timing

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Start Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

Ring Sequence / Conflicting Phases

3/28/2012 8:26:37 AM

Ringgroup 1

Ring 1	0	2	3	4	0	0	0	0	0	0	0	0	0	0	0	0
Ring 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Ringgroup 2

Custom Sequences

Seq 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Seq 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Conflicting Phases

	1-8	9-16
Phase 1		
Phase 2		
Phase 3		
Phase 4		
Phase 5		
Phase 6		
Phase 7		
Phase 8		
Phase 9		
Phase 10		
Phase 11		
Phase 12		
Phase 13		
Phase 14		
Phase 15		
Phase 16		

305 - 16th Street at W Street

Coordination Options

3/28/2012 8:26:37 AM

Sync Time	00:00	RTC Set Time	00:00
Transition Mode	Best	Overlap F/O	Disabled
Master Sync Mode	RTC	Master Sync Length	0
Offset Reference	Lead Grn	Dual Entry	Normal
External Plan Max	0		
Hardwire No Match	Sched	Hardwire Sync Fail	0
Override Omit/Recall	No		

Phases	1-8	9-16
No Trans Recall		
Trans Ped Recall		
Trans Phases		

305 - 16th Street at W Street

Hardwire Plans

3/28/2012 8:26:37 AM

Hardwire	Plan Select								Pattern	Offset	Mode
Plan 1									0	0	Hardwire
Plan 2									0	0	Hardwire
Plan 3									0	0	Hardwire
Plan 4									0	0	Hardwire
Plan 5									0	0	Hardwire
Plan 6									0	0	Hardwire
Plan 7									0	0	Hardwire
Plan 8									0	0	Hardwire
Plan 9									0	0	Hardwire
Plan 10									0	0	Hardwire
Plan 11									0	0	Hardwire
Plan 12									0	0	Hardwire
Plan 13									0	0	Hardwire
Plan 14									0	0	Hardwire
Plan 15									0	0	Hardwire
Plan 16									0	0	Hardwire
Plan 17									0	0	Hardwire
Plan 18									0	0	Hardwire
Plan 19									0	0	Hardwire
Plan 20									0	0	Hardwire
Plan 21									0	0	Hardwire
Plan 22									0	0	Hardwire
Plan 23									0	0	Hardwire
Plan 24									0	0	Hardwire
Plan 25									0	0	Hardwire
Plan 26									0	0	Hardwire
Plan 27									0	0	Hardwire
Plan 28									0	0	Hardwire
Plan 29									0	0	Hardwire
Plan 30									0	0	Hardwire
Plan 31									0	0	Hardwire
Plan 32									0	0	Hardwire

305 - 16th Street at W Street

Soft Interconnect

3/28/2012 8:26:37 AM

Mode	Slave	Remote Int Number	0
Yield Delay	0		
Yield Duration	0		
Permissive	0		
Local Hold Limit	0		

Phases	1-8	9-16
Local Control Phases		
Local Hold Phases		
Local Perm Phases		
Local Call Phases		
Remote Perm Phases		
Remote Hold Phases		

305 - 16th Street at W Street

Coordination Pattern 1

3/28/2012 8:26:37 AM

Cycle	70	Ringgroup 1 - Offset 1	54	Offset 2	0	Offset 3	0
		Ringgroup 2 - Offset 1	0	Offset 2	0	Offset 3	0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	0	22	17	31	0	0	0	0	0	0	0	0	0	0	0	0
Split Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	0	17	12	26	0	0	0	0	0	0	0	0	0	0	0	0
Max Trans Split	0	27	22	36	0	0	0	0	0	0	0	0	0	0	0	0

Permissive Mode	Sing Band	Max Mode	Max Inh	Walk Rest	Yield
Ped Permissive	Yield				
Permissive Limit	0	Alt Sequence		TOD Link	0

Phases/Overlaps	1-8								9-16							
Coord Phases				4												
No Extend																
Float Enable																
Veh = Ped Perm																
Walk Rest																
Ped Recall		2		4												
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall		2	3	4												
Cond Serv																
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority								
Progression Phases								
Priority Alt Seq								
Reserve Extend								

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

Coordination Pattern 1

3/28/2012 8:26:37 AM

Alternate Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Alt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Early Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Delay Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt CS Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt CS Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

Coordination Pattern 2

3/28/2012 8:26:37 AM

Cycle	70	Ringgroup 1 - Offset 1	48	Offset 2	0	Offset 3	0
		Ringgroup 2 - Offset 1	0	Offset 2	0	Offset 3	0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	0	22	24	24	0	0	0	0	0	0	0	0	0	0	0	0
Split Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	0	17	19	19	0	0	0	0	0	0	0	0	0	0	0	0
Max Trans Split	0	27	29	29	0	0	0	0	0	0	0	0	0	0	0	0

Permissive Mode	Sing Band	Max Mode	Max Inh	Walk Rest	Yield
Ped Permissive	Yield				
Permissive Limit	0	Alt Sequence		TOD Link	0

Phases/Overlaps	1-8								9-16							
Coord Phases				4												
No Extend																
Float Enable																
Veh = Ped Perm																
Walk Rest																
Ped Recall		2		4												
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall		2	3	4												
Cond Serv																
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority								
Progression Phases								
Priority Alt Seq								
Reserve Extend								

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

Coordination Pattern 2

3/28/2012 8:26:37 AM

Alternate Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Alt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Early Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Delay Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt CS Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt CS Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

Coordination Pattern 3

3/28/2012 8:26:37 AM

Cycle	70	Ringgroup 1 - Offset 1	55	Offset 2	0	Offset 3	0
		Ringgroup 2 - Offset 1	0	Offset 2	0	Offset 3	0

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Splits	0	23	16	31	0	0	0	0	0	0	0	0	0	0	0	0
Split Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Float Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Perm Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Trans Split	0	18	11	26	0	0	0	0	0	0	0	0	0	0	0	0
Max Trans Split	0	28	21	36	0	0	0	0	0	0	0	0	0	0	0	0

Permissive Mode	Sing Band	Max Mode	Max Inh	Walk Rest	Yield
Ped Permissive	Yield				
Permissive Limit	0	Alt Sequence		TOD Link	0

Phases/Overlaps	1-8								9-16							
Coord Phases				4												
No Extend																
Float Enable																
Veh = Ped Perm																
Walk Rest																
Ped Recall		2		4												
Cond Ped Call																
Olap Ped Recall																
Ped Recycle																
Min Recall																
Max Recall		2	3	4												
Cond Serv																
Reservice																
Veh Omit																
Ped Omit																
Olap Omit																
Perm Reserve																
Max Inhibit																

Disable Priority								
Progression Phases								
Priority Alt Seq								
Reserve Extend								

Priority Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Priority Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recovery Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

Coordination Pattern 3

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Alternate Timing-Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Alt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Veh Ext	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Early Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt Delay Walk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Alt CS Min	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alt CS Max	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

Preempt Inputs

3/28/2012 8:26:37 AM

Preempt Input	1	2	3	4	5	6	7	8	9	10
Delay	0	0	0	0	0	0	0	0	0	0
Checkout Limit	0	0	0	0	0	0	0	0	0	0
Locked	No	No	No	No	No	No	No	No	No	No
Interlock	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
Input Number	0	2	3	4	5	0	0	0	0	0
Input Priority	All	All	All	All	All	All	All	All	All	All
Delay Mode	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp	Inp

Preempt Priority

Preempt	1	2	3	4	5	6	7	8	9	10
Priority	0	0	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

Preempt 3 (Configuration)

3/28/2012 8:26:37 AM

Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	3	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 3 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	2	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	2	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk		
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

305 - 16th Street at W Street

Preempt 4 (Configuration)

3/28/2012 8:26:37 AM

Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	4	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash	1-8		
LRV Omit	1-8	Delay	0

Preempt 4 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	3	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	3	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk		
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

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Preempt 5 (Configuration)

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Enabled	Yes	Dwell Mode	Normal	Output Mode	All
Output2 Mode	All	Fail Action	Preempt Off	Exit Mode	Normal
Override Flash	No	Change Phasenext	Yes		

	1-8	9-16
Enable Phases		
Preempt Inputs	5	

	1-8		
LRV Disable		Max	0
LRV Dwell Flash			
LRV Omit		Delay	0

Preempt 5 (Timing/Phases/Overlaps)

Phases/Overlaps	1-8	9-16
Omit Olap Grn Clr		
Phs EWlk to Grn		
TClr 1 Veh Phases		
TClr 1 Ped Phases		
TClr 1 Olap		
TClr 1 Olap Ped		
TClr 2 Veh Phases		
TClr 2 Ped Phases		
TClr 2 Olap		
TClr 2 Olap Ped		
Init Dwell Phases		
Dwell Veh Phases	4	
Dwell Ped Phases		
Dwell Olap		
Dwell Olap Ped		
Exit Veh Phases	4	
Exit Ped Phases		
Exit Olap		
Exit Olap Ped		
Zero Phase Walk		
Zero Phase Ped Clr		
Zero Phase Green		
Zero Olap Walk		
Zero Olap Ped Clr		
Zero Olap Green		
Dwell-Phase Red		
Dwell-Phase Red Flash		
Dwell-Phase Yel Flash		
Dwell-Olap Red Flash		
Dwell-Olap Yel Flash		
Dwell-Ped Dark		
Dwell-Olap Ped Dark		

Start Green	0	Start Walk	0
		Start Ped Clr	0
Track Clear 1	0	Track Clear 2	0
TC1 Extend	0	TC1 Max	0
Exit Ped Clr	0	Exit Yellow	0.0
Exit Red	0.0		
Min Dwell	6	Min Duration	0
Dwell Extend	3		
Max Dwell	55	Max Call	0
Reserve Inh Same	0		
Reserve Inh All	0		
Delay	0		

305 - 16th Street at W Street

TOD Pattern Events

3/28/2012 8:26:37 AM

	Time	DOW							Holidays								Mode	Pattern	Offset
Event 1	06:00	S	M	T	W	T	F	S									Sched	1	1
Event 2	07:00	S	M	T	W	T	F	S									Sched	2	1
Event 3	09:00	S	M	T	W	T	F	S									Sched	1	1
Event 4	15:30	S	M	T	W	T	F	S									Sched	3	1
Event 5	18:00	S	M	T	W	T	F	S									Sched	1	1
Event 6	00:00																Sched	0	0
Event 7	00:00																Sched	0	0
Event 8	00:00																Sched	0	0
Event 9	00:00																Sched	0	0
Event 10	00:00																Sched	0	0
Event 11	00:00																Sched	0	0
Event 12	00:00																Sched	0	0
Event 13	00:00																Sched	0	0
Event 14	00:00																Sched	0	0
Event 15	00:00																Sched	0	0
Event 16	00:00																Sched	0	0
Event 17	00:00																Sched	0	0
Event 18	00:00																Sched	0	0
Event 19	00:00																Sched	0	0
Event 20	00:00																Sched	0	0
Event 21	00:00																Sched	0	0
Event 22	00:00																Sched	0	0
Event 23	00:00																Sched	0	0
Event 24	00:00																Sched	0	0
Event 25	00:00																Sched	0	0
Event 26	00:00																Sched	0	0
Event 27	00:00																Sched	0	0
Event 28	00:00																Sched	0	0
Event 29	00:00																Sched	0	0
Event 30	00:00																Sched	0	0
Event 31	00:00																Sched	0	0
Event 32	00:00																Sched	0	0

305 - 16th Street at W Street

332/336 Outputs (Connector C1S)

3/28/2012 8:26:37 AM

	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehYel	VehGrn
Index	4	4	4	4	4	3	3	3
	Pin 10	Pin 11	Pin 12	Pin 13	Pin 15	Pin 16	Pin 17	Pin 18
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehYel	VehGrn
Index	2	2	2	2	2	1	1	1
	Pin 19	Pin 20	Pin 21	Pin 22	Pin 23	Pin 24	Pin 25	Pin 26
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehYel	VehGrn
Index	8	8	8	8	8	7	7	7
	Pin 27	Pin 28	Pin 29	Pin 30	Pin 31	Pin 32	Pin 33	Pin 34
Output	DntWlk	Walk	VehRed	VehYel	VehGrn	VehRed	VehYel	VehGrn
Index	6	6	6	6	6	5	5	5
	Pin 35	Pin 36	Pin 37	Pin 38	Pin 83	Pin 84	Pin 85	Pin 86
Output	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	0	0	0	0	0	0	0	0
	Pin 87	Pin 88	Pin 89	Pin 90	Pin 91	Pin 93	Pin 94	Pin 95
Output	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	0	0	0	0	0	0	0	0
	Pin 96	Pin 97	Pin 98	Pin 99	Pin 100	Pin 101	Pin 102	Pin 103
Output	VehRed	VehRed	VehRed	VehRed	VehRed	Flash	VehRed	VehRed
Index	0	0	0	0	0	1	0	0

332/336 Outputs (Connector C11S)

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
Output	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed	VehRed
Index	0	0	0	0	0	0	0	0

305 - 16th Street at W Street

332/336 Inputs (Connector C1S)

3/28/2012 8:26:37 AM

	Pin 39	Pin 40	Pin 41	Pin 42	Pin 43	Pin 44	Pin 45	Pin 46
Input	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet
Index	2	6	4	8	2	6	4	8
	Pin 47	Pin 48	Pin 49	Pin 50	Pin 51	Pin 52	Pin 53	Pin 54
Input	VehDet	VehDet	VehDet	VehDet	None	None	None	None
Index	2	6	4	8	0	0	0	0
	Pin 55	Pin 56	Pin 57	Pin 58	Pin 59	Pin 60	Pin 61	Pin 62
Input	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet	VehDet
Index	5	1	7	3	5	1	7	3
	Pin 63	Pin 64	Pin 65	Pin 66	Pin 67	Pin 68	Pin 69	Pin 70
Input	VehDet	VehDet	VehDet	VehDet	PedDet	PedDet	PedDet	PedDet
Index	2	6	4	8	2	6	4	8
	Pin 71	Pin 72	Pin 73	Pin 74	Pin 75	Pin 76	Pin 77	Pin 78
Input	Preempt	Preempt	Preempt	Preempt	None	VehDet	VehDet	VehDet
Index	4	2	5	3	0	2	4	6
	Pin 79	Pin 80	Pin 81	Pin 82				
Input	VehDet	None	LocFlash	StopTm				
Index	8	0	1	1				

332/336 Inputs (Connector C11S)

	Pin 10	Pin 11	Pin 12	Pin 13	Pin 15	Pin 16	Pin 17	Pin 18
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0
	Pin 19	Pin 20	Pin 21	Pin 22	Pin 23	Pin 24	Pin 25	Pin 26
Input	None	None	None	None	None	None	None	None
Index	0	0	0	0	0	0	0	0
	Pin 27	Pin 28	Pin 29	Pin 30				
Input	None	None	None	None				
Index	0	0	0	0				

305 - 16th Street at W Street

Vehicle Detector 1

3/28/2012 8:26:37 AM

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	1	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	1	
XSwitch Phases		

Vehicle Detector 2

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	2	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	2	
XSwitch Phases		

305 - 16th Street at W Street

Vehicle Detector 3

3/28/2012 8:26:37 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases			3													
Yellow Lock Phases																
Red Lock Phases																
Extend Phases			3													
XSwitch Phases																

Vehicle Detector 4

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0	Fail Time	0

Phases	1-8								9-16							
Call Phases				4												
Yellow Lock Phases																
Red Lock Phases																
Extend Phases				4												
XSwitch Phases																

305 - 16th Street at W Street

Vehicle Detector 5

3/28/2012 8:26:37 AM

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0
Fail Time	0						

Phases	1-8								9-16							
Call Phases					5											
Yellow Lock Phases																
Red Lock Phases																
Extend Phases					5											
XSwitch Phases																

Vehicle Detector 6

Delay	0.0	Extend	0.0	Carryover	0.0	Queue Limit	0
Mode	No Disc	Added	Disabled	System	Disabled		
Fail Mode	None	Max Pres	0	No Act	0	Erratic	0
Fail Time	0						

Phases	1-8								9-16							
Call Phases						6										
Yellow Lock Phases																
Red Lock Phases																
Extend Phases						6										
XSwitch Phases																

305 - 16th Street at W Street

Vehicle Detector 7

3/28/2012 8:26:37 AM

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	7	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	7	
XSwitch Phases		

Vehicle Detector 8

Delay	Extend	Carryover	Queue Limit
0.0	0.0	0.0	0

Mode	Added	System
No Disc	Disabled	Disabled

Fail Mode	Max Pres	No Act	Erratic	Fail Time
None	0	0	0	0

Phases	1-8	9-16
Call Phases	8	
Yellow Lock Phases		
Red Lock Phases		
Extend Phases	8	
XSwitch Phases		

305 - 16th Street at W Street

Pedestrian Detector 2

3/28/2012 8:26:37 AM

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	2	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

Pedestrian Detector 4

No Act	Max Pres	Erratic	Fail Mode
0	0	0	None

Phases/Overlaps	1-8	9-16
Call Ped Phases	4	
Call Ped Olaps		
Call Phases		
Locked Call Phases		
Ped Entry Phases		
Olap Ped Entry Phases		
Ped Cascade Phases		

305 - 16th Street at W Street

Control / Config

3/28/2012 8:26:37 AM

Pattern Mode	Central		
Manual Pattern	0	Manual Offset	0
Stop Time Input	Enabled		
Aux Switch	None		0
DLS Mode	Off	Time Zone	Pac (UTC-8)
Password Timeout	5		

	1-8	9-16
Maint Phs Recalls		
Maint Ped Recalls		

Serial 1 Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00
Serial Rebroadcast	Disabled	Response	None

Serial 2 Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00

Ethernet Port Configuration

Broadcast Plan/Sync	Disabled	Broadcast Time	00:00
Serial Rebroadcast	Disabled		

Peer Configuration

Peer 1	0
Peer 2	0
Peer 3	0
Peer 4	0
Peer 5	0
Peer 6	0
Peer 7	0
Peer 8	0

305 - 16th Street at W Street

Logging

3/28/2012 8:26:37 AM

Power On	Disabled	1 of 2 Hits (Det BIU 1)	
Ext Start	Disabled	1 of 2 Hits (Det BIU 2)	
Man Control	Disabled	1 of 2 Hits (Det BIU 3)	
Cabinet Door	Disabled	1 of 2 Hits (Det BIU 4)	
MMU Faults	Disabled	SPmt 1 Req Switch	
BIU Faults	Disabled	SPmt 2 Req Switch	
Det Faults	Disabled	SPmt 3 Req Switch	
Coordination	Disabled	SPmt 4 Req Switch	
Preempt	Disabled	Zone 1 Req Switch	
Soft Preempt	Disabled	Zone 2 Req Switch	
Zone	Disabled	Zone 3 Req Switch	
Speed Traps	Disabled	Zone 4 Req Switch	
		Zone 5 Req Switch	
		Zone 6 Req Switch	
		Zone 7 Req Switch	
		Zone 8 Req Switch	
		Trap Grp 1 Req Switch	
		Trap Grp 2 Req Switch	
		Trap Grp 3 Req Switch	
		Trap Grp 4 Req Switch	

305 - 16th Street at W Street

Restricted Data

3/28/2012 8:26:37 AM

(Serial Ports)

Serial Port 1	4					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0
Serial Port 2	0					
Baud Rate	9600	8N1	RTS On	0	RTS Off	0

(Ethernet)

IP Address	192. 168. 1. 200		
Netmask	255. 255. 255. 0		
Broadcast Address	0. 0. 0. 0		
Gateway	0. 0. 0. 0		
Port	161	Reply Mode	Host
Broadcast Port	0	Response	None
Time Port	0		

(General)

Controller Address	1	Timeout	0
Peer Address	0	Timeout	0
Remote Calls	Disabled		
Remote Preempt	Disabled		
Remote Soft Preempt	Disabled		
Remote Priority	Disabled		
Remote MCE	Disabled	MCE Max	0

2070-D-4

TRAFFIC SIGNAL CONTROLLER PROGRAM CHART

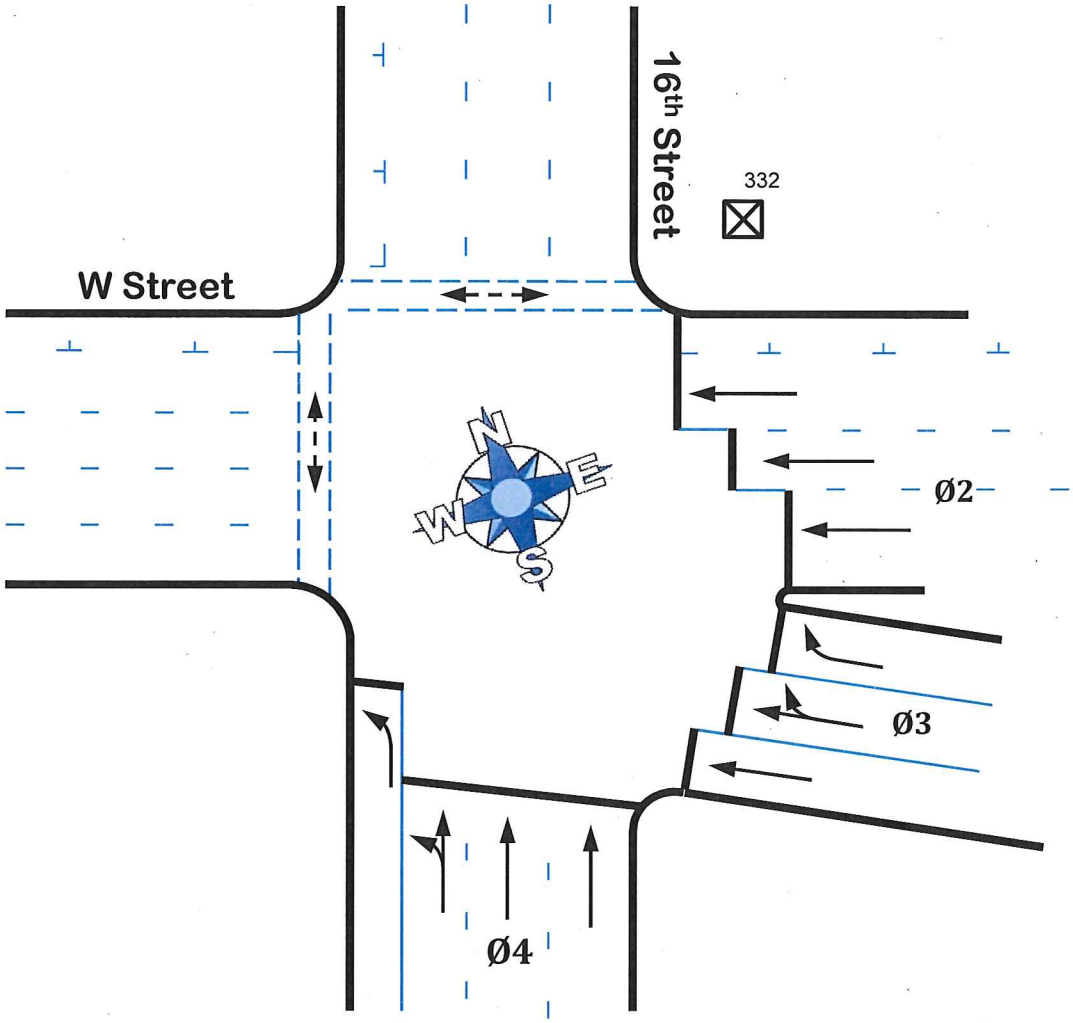
N/S 16th Street **E/W** W Street

Intersection #: 305 System _____ IP Address: _____

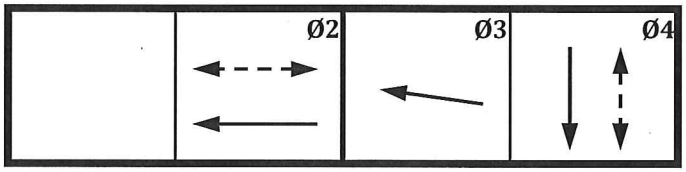
Device ID: 3041 Channel: 36 Drop #: 4

Reviewed: ee/SNB Approved: 4/2/12 Date Implemented: 4/3/12

Compiled by: Wys



Notes:



305 - 16th Street at W Street

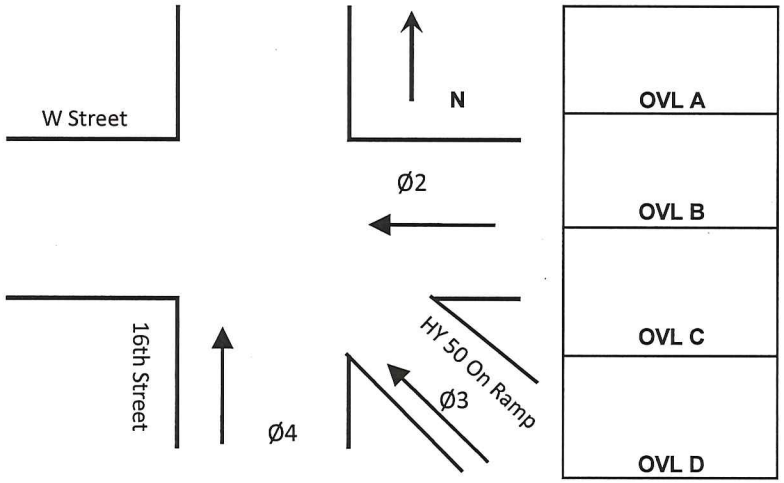
Phase Timing

3/28/2012 8:26:37 AM

Phase	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Min Green	0	8	9	8	0	0	0	0	0	0	0	0	0	0	0	0
Veh Ext	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Green 1	30	25	25	25	0	0	30	40	0	0	0	0	0	0	0	0
Max Green 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Green 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Max Ext	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yellow	0.0	3.9	3.5	3.9	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Red Clr	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Walk	0	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0
Ped Clr	0	11	0	12	0	0	0	0	0	0	0	0	0	0	0	0
Sol DW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Early Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Wlk	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Added	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max Initial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Min Gap	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Reduce After	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTReduce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Min Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CS Max Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Red Revert	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neg Ped	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AP Disc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pmt Ped Clr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Return Green	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Bi-Tran 170-222 **CITY OF SACRAMENTO**

Intersection #: 305 **IP Address:**
N/S St: 16th Street **E/W St:** W Street
Device ID: 3041 **Channel:** 36 **Drop#:** 0



Coordination - 0
Demand (Veh & Ped) 1 2 3 4 5 6 7 8
Preemption - 9

A		B	
PHASE	INTVL	PHASE	INTVL
Ring A		Ring B	

Intervals (INTVL)
0 - Walk
1 - Flash Don't Walk
2 - Minimun Green
3 -
4 - Variable Initial
5 - Extension
6 -
7 - Reduced Gap
8 - Red Rest
9 - Preemption
A - Stop Time
B - Red Revert
C - Gap Termination
D - Max Termination
E - Force Off
F - Red Clearance

badE	EPROM error, see C-E-D watchdog stops if F-C-F = 0
bAdA	Turn stoptime switch on then off to reinitialize

Overlap Load Switch Assignment D-0-

Overlap A		(0-8)
Overlap B		(0-8)
Overlap C		(0-8)
Overlap D		(0-8)

Keystrokes: F+ColorCode+Overlap

Overlap Timing	9 Green	C Yellow	D Red
Overlap A			
Overlap B			
Overlap C			
Overlap D			

Phase Timing Keystrokes: F + Phase + Interval

Interval		1	2	3	4	5	6	7	8
Walk	0		7		7				
Flash D/W	1		9		10				
Min Green	2		10	10	10				
Type 3 Det	3								
Add/Veh	4								
Veh Exten *	5		2.0	2.0	2.0				
Max Gap *	6		2.0	2.0	2.0				
Min Gap *	7		2.0	2.0	2.0				
Max Exten	8		15	15	30				
Max 2	9								
	A								
Call 2 Ø	B								
Reduce By	C								
Reduce Every	D								
Yellow	E		3.9	3.9	3.7				
Red Clear	F								

Interval		E
RR1 DELAY	0	
RR1 CLEAR	1	
EVA DELAY	2	
EVA CLEAR	3	
EVB DELAY	4	
EVB CLEAR	5	
EVC DELAY	6	
EVC CLEAR	7	
EVD DELAY	8	
EVD CLEAR	9	
RR2 DELAY	A	
RR2 CLEAR	B	
EV CLR TMR	C	
EV DLY TMR	D	
RR CLR TMR	E	
RR DLY TMR	F	

Max Initial (F-0-E) = 20
* must be same for non-density operation

Red Revert (F-0-F) = 2.0
All Red Start (F-C-0) = 4

Phase Function Flags

Interval		1	2	3	4	5	6	7	8
Permit	0		2	3	4				
Red Lock	1								
Yellow Lock	2								
Veh Recall	3		2	3	4				
Ped Recall	4		2		4				
Peds	5								
Rest in walk	6		~~2~~		~~4~~				
Red Rest	7					10/7/10			
Double Entry	8							BLL	
Max Recall	9		2	3	4				
Reserved	A								
Max 2	B								
Cond Serve	C								
RR1 Exit phase	D								
Yellow Startup	E				4				
First phases	F		2						

Keystrokes: F + F + Function#

IMPLEMENTED: 10/1/10

REVIEWED: SMB

APPROVED: 8/26/10

C-0-0(Drop): _____
C-0-1: _____
F-0-8: _____
F-0-9: _____

Bi-Tran 170-222 **CITY OF SACRAMENTO**

Intersection #:	305	IP Address:	0
N/S St:	16th Street	E/W St:	W Street
Device ID:	3041	Channel: 36	Drop#: 0

Configuration Data

Note: "E" key enabled (F-9-E ≠ 0)

Keystrokes: E + E + Interval

Interval		1	2	3	4	5	6	7	8
EXCLU PH	0								
RR1 TK CL	1								
RR2 TK CL	2								
RR2 LTD SV	3								
	4								
OLA GOMIT	5								
OLB GOMIT	6								
OLC GOMIT	7								
OLD GOMIT	8								
OV FL YEL	9								
EMVEH A	A								
EMVEH B	B								
EMVEH C	C								
EMVEH D	D								
EXTRA	E								
IC SELECT	F								

Extra: (E-E-E)
1-TBC Type 1
3-Daylight Savings
4-EV Advance
7-Pretimed
8-Split Ring

ICSEL: (E-E-F)
1-Simplex In
2-2-Way Modem
4-FLH/Free
5-Simplex Out

ASSIGN5:(E-F-F)
1-RT OVLP
2-TOD Outputs
8-Spec Function

Keystrokes: E + F + Interval

Interval		1	2	3	4	5	6	7	8
	0								
RR OVLP A	1								
RR OVLP B	2								
RR OVLP C	3								
RR OVLP D	4								
PED2P	5		X						
PED6P	6								
PED4P	7				X				
PED8P	8								
FLH YELO	9								
OVLP A	A								
OVLP B	B								
OVLP C	C								
OVLP D	D								
RESTRICT	E								
ASSIGN5	F								

Bi-Tran 170-222

CITY OF SACRAMENTO

Page (F-9-F): _____

1 = Plans 1 - 10
2 = Plans 11 - 20
3 = Plans 21 - 30

Intersection #: 305 IP Address: 0
N/S St: 16th Street E/W St: W Street
Device ID: 3041 Channel: 36 Drop#: 0

PHASE SEQUENCES

FUNCTION		1	2	3	4	5	6	7	8
Lag 1	1		X		X		X		X
Lag 2	2		X		X		X		X
Lag 3	3		X		X		X		X
Lag 4	4		X		X		X		X
Lag 5	5		X		X		X		X
Lag 6	6		X		X		X		X
Lag 7	7		X		X		X		X
Lag 8	8		X		X		X		X
Lag 9	9		X		X		X		X
Lag 10	A		X		X		X		X

KEYSTROKES: C + F + FUNCTION #

SYNCHRONIZED PHASES

PLAN		1	2	3	4	5	6	7	8
Sync 1	1		X						
Sync 2	2		X						
Sync 3	3		X						
Sync 4	4								
Sync 5	5								
Sync 6	6								
Sync 7	7								
Sync 8	8								
Sync 9	9								
Sync 10	A								

KEYSTROKES: C + E = PLAN

COORDINATION TIMING

FEATURE		TIMING PLAN 1	2	3	4	5	6	7	8	9	A
Cycle	0	70	70	70							
Force 1	1										
Force 2	2										
Force 3	3	17	24	16							
Force 4	4	53	54	47							
Force 5	5										
Force 6	6										
Force 7	7										
Force 8	8										
Ring Offset	9										
Offset	A	54	48	55							
	B										
	C										
Permissive	D										
	E										
	F										

KEYSTROKES: C + PLAN + FEATURE

COORDINATION RECALLS

		1	2	3	4	5	6	7	8
C-E-0	Coor Ped Recall								
C-E-A	Green Flash								
C-E-B	Coor Max Recall		X	X	X				
C-F-B	Coor lag Recall								

Bi-Tran 170-222 CITY OF SACRAMENTO

Intersection #: 305 IP Address: 0
N/S St: 16th Street E/W St: W Street
Device ID: 3041 Channel: 36 Drop#: 0

NOTE: Plans = 1...A, E = Free, F = Flash
Coordination Plans 1-10: F - 9 - F = A
Coordination Plans 11-20: F - 9 - F = B
Coordination Plans 21-30: F - 9 - F = C

Day of Week

9 Key Table - ☼ 0 ☼ 1 ☼ 2 ☼ 3 ☼ 4 ☼ 5 ☼ 6 ☼ 7 ☼ 8 ☼ 9

Event No.		Plan / Offset
Hour (00-23)		Minute (00-59)

TIME BASE COORDINATION SCHEDULE

KEYSTROKES: 9+EVENT#

EVENTS 0-15, D-O-E = 0			DOW	S	M	T	W	TH	F	S
Event	Time	Plan	Page	1	2	3	4	5	6	7
0	0:00	1		1	2	3	4	5	6	7
1	6:00	1		1	2	3	4	5	6	7
2	7:00	2		1	2	3	4	5	6	7
3	9:00	1		1	2	3	4	5	6	7
4	15:30	3		1	2	3	4	5	6	7
5	18:00	1		1	2	3	4	5	6	7
6										
7										
8										
9										
A										
B										
C										
D										
E										
F										

EVENTS 16-31,D-O-E >0			DOW	S	M	T	W	TH	F	S
Event	Time	Plan	Page	1	2	3	4	5	6	7
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
A										
B										
C										
D										
E										
F										

F-0-6: _____ Long Power Failure Correction Factor
F-0-7: _____ Short Power Failure Correction Factor

Bi-Tran 170-222

CITY OF SACRAMENTO

Intersection #: 305 IP Address: 0
N/S St: 16th Street E/W St: W Street
Device ID: 3041 Channel: 36 Drop#: 0

Day of Week

☼ 1
☼ 2
☼ 3
☼ 4
☼ 5
☼ 6
☼ 7
☼ 8
☼ 9

Event No.		Function
Hour	Minute	

TIME OF DAY FUNCTIONS

KEYSTROKES: 7+EVENT#

		DOW	S	M	T	W	TH	F	S
Event	Time	Funct	1	2	3	4	5	6	7
0									
1									
2									
3									
4									
5									
6									
7									
8									
9									
A									
B									
C									
D									
E									
F									

FUNCTION BY PHASE

KEYSTROKES: D+F+EVENT#

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

TIME OF DAY LOCAL FUNCTION CODES

0 Permit	**7** Red Rest	**Bit**	F - TOD Outputs
1 Red Lock	**8** Dbl Entry	E-1-Local Overide	**Bit**
2 Yellow Lock	**9** Veh Max Rcl		**1** TOD Out 1
3 Veh Recall	**A**		**2** TOD Out 2
4 Ped Recall	**B** Max II Ext		
5 Reserved	**C** Cond Serve		
6 Rest in Walk	**D**		