LACO - 1R WW - TIME - BASED

TYPE 170 PROGRAM

By: PP.D Revisedon 1.30 HT por Micheel Orte Date Requested: 7-23-02

By:

TRAFFIC AND LIGHTING DIVISION TRAFFIC SIGNAL TIMING

DEPARTMENT OF PUBLIC WORKS

S COUNTY

LOS ANG

ai ai MONTEBELLO <u>(g)</u> Intersection: BEVERLY BL T.S. No.: MTB 8950

T.S. No.: MTB 8950	5			S	YSTE	SYSTEM COMPLETED	MPLE	TED	Da	Date: By	By:	7	Date Completed:
PHASE TIMING			Keyst	trokes	+	Keystrokes: F + Phase + Interval	+ Inte	rval		PREEMPTION	Z		PHASE
Phase #		-	7	m	4	c)	ဖ	2	∞	Keystrokes: F + E + Function	nction		Keystn
Minimum Walk	0	0	7	0	7	0	13	0	1	RR Select (0, 1, 2)		0	Phases Permitted
Flashing Don't Walk	fem	0	$\widetilde{\omega}$	Q	īči	0	61	0	lan.	Track Clearance		4	Red Lock
Minimum Green	7	4	9	-c.\	0	4	Q	#	9	RR Red		N	Red & Yellow Lock Minimum Vehicle Reca
Queue Maxin, um	ന	0	10	0	23	0	25	0	N	RR2 Maximum (Minutes)		8	Pedestrian Recall + Re
Added Green/Actuation	4	0.0		0.0	0.0 0.0 0.0	0.0	0.0	0,0	0.0	EV- A Delay		4	Pedestrian Phases
Vehicle Extension	S	2.5		0	から	4.0 0.2 4.0 2.5	2.0 0.2 4.0	0.2	0.4	EV- A Clearance		LO LO	Semi Traffic Actuated I
Maximum Gap	9	2.5	O.	5.0 0.2	5.0	2.5	3.0 0.2		Q 183	EV- B Delay		0	Double Entry
Minimum Gap	2	100	3.0	0.5		50 25	1.0 0.2	0.2	3.0	EV- B Clearance		210	Maximum Vehicle Reca
Max Extension 1 (Free)	œ	20	50	20	50	20	50	20	50	EV- C Delay		0	Overlap B
Max Extension 2 (Coord)	ത	07	110	33	55	97.	0	02	000	EV- C Clearance		<u></u> ത	Barrier Recall
Offset 1	4	1	Dial 2	Dial 3						EV- D Delay	0	X X	Kest In Green Yellow Start Up
Offset 2	Q		9 20					••••		EV- D Clearance	30	٩	Protected / Permissive
Offset 3	U			74				********		EV Maximum (Seconds)	35 (U	LAG PHASE
Reduce 0.1 Sec. Every	ט	0		1.2 0.0 1.2	2	0,0	1.2 0.0 1.2	0.0	4	Delay Timer	0	7	Lag Free
		•											

LAGP	G PHASE FLAGS	_U)	40	N	ന	4	เก	w	1	63
Lag Free		아스		X		X		X		X
Lag Dial 1		1-4-B		X		X		X		X
Lag Dial 2		4-F-2		X		X		X		X
Lag Dial 3		64-b		X		X		><		X

Ш

Clearance Timer Maximum Timer

3.040

0,0

10 00

4

Ш Ц

Yellow

0

D D

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9

0 9

8000

8 3

Red Clearance

CAMPAN AMADIC

DNIG FBT

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Remarks:

0

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Max Added Green

N

いつよ

Red Revert

ব	60
<u></u>	
2	9
*	*
Phase North	
True	

LACO-1R WWV DETECTOR ASSIGNMENTS

Page 2 of 🤙

T.S.: 8930 Intersection: BEVERLY EL. @ MONTEBELLO BL. Date Req: 10-1-96 By: 990

)			Phase File - Slot	Ď	elay	Exten	ded Call	Note: The four Programmable Disconnect CI	lueue earing
Арр	Lanes	Description	Channel	Code	Saconda	Code	Seconds	Detectors will default to normal phasing if not flagged. Code Lite On Code	Lite On
M	1.7	Q-LENGTH	.สูเ1 บ	_d10		±d30		-dF4 1 -dF8	
			111L	-470	5	-400		-dF4 1 -dF8	1
E	1,2	ADVANCE	212U	d11		d31		dF4 2 dF8	2
			212L	d12		d32		dF4 3 dF8	3
	ļ		213U	d13		d33		dF4 4 dF8	4
-			213L	d14		d34		dF4 5 dF8	5
E	1,2	QUEUE CL.	214U	d15		d35		Call Ø 1 2 3 4 5 6 7 8 dF4 6 dF8	8
			214L					dd8	
N	LT	6'X100'	315U	d16		d36		dF4 7 dF8	7
			315L						
=	1	ADVANCE	416U	d17		d37		dF4 8 dF8	8
<u>5</u>	2	ADVANCE	416L	d18	5	d38		dF5 1 dF9	1
13	RT	OUTUE CL.	417U	d19	10	d39		dF5 2 dF9	2 🔀
	RT	WHENE CL.	417L	d1A	255	d3A		dF6 3 dF9	3
	1.2	QUEUE CL.	418U	d1b		d3b		1 2 3 4 5 6 7 8 dF5 4 dF9	4
			418L					dd9	
-			119U	d1C		d3C		dF5 5 dF9	5
1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		319L	d1d	/*************************************	d3d		dF5 6 dF9	6
1		Q-LEMBT 4	5J1U	d20	5	d40		dF6 1 dFA	1
-			5J1L		7		<u> </u>		, l
E	12	ADMINACE	6J2U	d21		d41	2.0	dF6 2 dFA	2
		***	6J2L	d22		d42		dF6 3 dFA	3
'		#1 DWG	6J3U	d23		d43		dF6 4 dFA	4
1	1_11	HOLDING	6J3L	d24		d44		dF6 5 dFA	5
2.7	1,2	Dugue AL.	6J4U	d25		d45		AHØ 1 2 3 4 5 6 7 8 dF6 6 dFA	6
			6J4L					Abi	
5	LT	6×100'	7J5U	d26		d46		dF6 7 dFA	7
			7J5L			•			<u> </u>
Mi		ASV/ANCE	8 1 60	d27		d47		dF6 B dFA	8
N	2_	ADVANCE	8J6L,	d28	5	d48		dF7 1 dFb	1
N	RT	avere cl.	8J7U	d29	10	d49		dF7 2 dFb	2 🔀
N	RT	के महिल्हा है	8J7L	d2A	255	d4A		dF7 3 dFb	3
N	1,2	QUEUE CL.	8780	d2b		d4b		all Ø 1 2 3 4 5 6 7 8 dF7 4 dFb	4
			8781		.			ddb drb	
			5J9U	d2C		d4C		dF7 5 dFb	5
			7J9L	d2d		d4d		dF7 6 dFb	6

<u></u>	Y	ELL(OW E	DISCO	ONNE	CT E		
<u> </u>				Call	.ight	5		
Lude	1	2	3	4	5	6	7	8
dF4								
d F5								·
dF6				\times	X			
dF7								

Remarks:

	QUI	UE QL		ARIN REF				R
			c	all L	ight	\$		
Code	1	2	3	4	5	6	7	8
dF8						X		
dF9		X	X	X				
dFA						\times		
dFb		X	X	\boxtimes				

T.S. No .: 1	MTB 8390 Intersec	lion: BEVE	RLY BL	. @ M	10NTEBELLO BL.		
System L.	imits: PARAMOUNT BL.	TO BEVERLY	L. TO A.	CACIA AV. I MONTEB	10NTEBELLO BL.	PD t	ZXX
	laster: ww				Date Requested: 2 - 0	6-03 PD By: 35	沿
lem N	10.: 45F + 46E				Date Completed:	By:	
	TIN	E OF DAY	OPERA	TION SU	MMARY	*Set Local Manual to 14 (fi	g dial
	Dial 1		Dial 2		Dial 3 / Offset Timing	 Intervals & functions. Set either of the Manuals to 0 	
Offset 1	ALL OTHER TIMES				X	release that Manual.	
Offset 2		0600	COPP-	M-F		Offset Timing Mode:	
Offset 3					1500-1900 M-F	A 12 at C-0-1 or by T.O.D.	
Free	2200-0600 M-	F/2200-	0800	5-5		this mode and uses the Di Intervals and Functions.	al 3
Special						Observe:	
d-0-0 []	ERCONNECT SELECT 7 = Slave [170 = Master Maximum Width 4.0 Seconds Minimum Width 1.0 Seconds	Remarks:	,			Call Hold Ped Restrict Force • Off Cycle with Field Calls Master Sync Pulse Width	d.FC d.FE d.FF C.OL d-OC

Keystrokes:			ITERVAL						F	UNCTIC	N FLAG	S]
C + Column + Row	Turne	(ii	second	ds)		DIA	L 1			DIA	L 2		DIAL	3/OFF	SET TIM	IING]
Goordination Parameters		Dial 1	Dial 2	Dial 3	Force Off	Hold	Ped Ratrict	Call	Force Off	Hold	Ped Ratrict	Call	Force Off	Hold	Ped Rstrict	Call	
0	Int	1	2	3	4	5	6	7	8	9	Α	b	C	d	E	F	Int
System Manual*	0	.90	100	100	2,6				2,6				2,6		ĺ		0
'ocal Manual'	1	1	1	1	-,-				-,-				-,-				1
Master Dial	2	19	'3	(5)	3,7				3,7				3,7				2
Current Dial	3	20	19	19	-,-				-,-				-,-				3
Offset Number	4	23	22	22			4,8				4.3				4,8		4
Time of Day Plan	5	36	35	35			4,8	2.6			4,3	2,6			4,8	2,6	5
Function 6	6	48	47	47	4,8			2,6	4.3		-,-	2,6	4,3			2,6	6
Current Table	7	49	481	43/	-,-			2,6	٦, ٦			2,6	-,-			2,6	7
Minimum Cycle	8	60	60	61	1,5			2,6	1,5			2,6	1,5			2,6	8
Maximum Cycle 255	9	61	61	62		2,6		-,-	-,-	2,6		-,-	-,-	2,6		-,-	9
Masier Timer	Α	(04	74	74		2,6	2,6			2,6	2,6			2,5	2.5		А
Local Timer	b	67	82	86		-, -	2,6			· ₁	2.6			-; -	2,6		b
New Offset	С	90	100	ico			-,-								-,-		С
Gurrent Offset	d														150		d
Last Master Cycle	E								3								E
Last Local Cycle	F																F

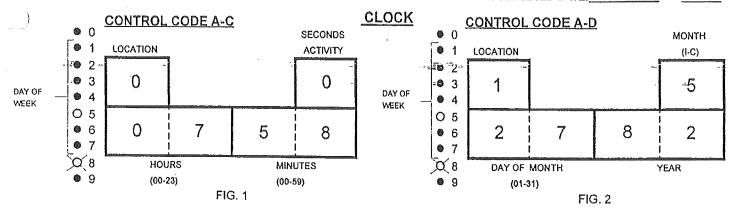
LACO-1R WWV TIME BASE UNIT

CLOCK AND EVENT TABLE SHEET

PAGE 4 OF 6

INTERSECTION: BEVERLY BL. @ MONTEBELLO EL. TS NO: MTB 8930

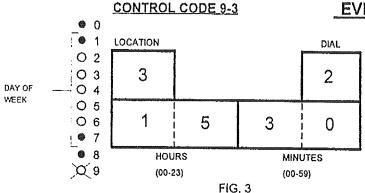
REQUESTED DATE: 12-70-94 BY: PPP
COMPLETED DATE: BY:



ABOVE EXAMPLES	DAY OF WEEK		MONTH		
7:58 A.M. ON THURSDAY (FIG. 1)	1 SUNDAY	1	JANUARY	7	JULY
MAY 27, 1982 (FIG. 2)	2 MONDAY	2	FEBRUARY	8	AUGUST
	3 TUESDAY	3	MARCH	9	SEPTEMBER
•	4 WEDNESDAY	4	APRIL	\mathbf{A}^{\cdot}	OCTOBER
	5 THURSDAY	5	MAY	В	NOVEMBER
	6 FRIDAY	8	JUNE	С	DECEMBER
	7 SATURDAY				

DIRECTIONS

At control code A - C, key in hours and minutes, then key in 0 for seconds activity. Enter key E and turn on call light corresponding to day of the week. (NOTE: Seconds start at 0 seconds - for observation and correction use address D - 4 - F). pontrol code A - D, key in the day of the month, year, and month, then enter key E.



ABOVE EXAMPLE

The example (FIG. 3), shows a time of day event at control code 9-3 with dial 2 to start at 3:30 P.M. each weekday from Monday through Friday.

DIRECTIONS

To set an event, key in 9 + the table location, key in hour, minute, and event, then enter key E. Set day(s) with call/active lights. To observe current event use address C - 0 - 5. (NOTE: These time of day events are local - not system events.)

REMARKS

EVENT TABLE

FOR DIRECT INTERCONNECT ONLY. (D00=7)

				DA	ΥA	ND L	.IGh	łT	
				SelDA					
LOC.		EVENT	SUN	мом	TUE	WED	THU	FRI	
9+↓	TIME	* DIAL	1	2	3	4	5	6	7
0									
1									
2		VIII VIII DIII 3							
3									
4									
5									
6									
7		200					-		
8									
9			- 34-7444						4
Α									
В			Ī						
С									
D									
Ε									
F									

*DIAL 1=1, 2=2, 3=3, FREE = E, OFF = 0. (NOTE: At C - 0 - 5, FREE = 14) OFFSET TIMING = C T.O.D. FLASH = F

Intersection: Beverly BI C Montebello BI Date Requested: 7-23-02 PD By: KAI T.S. No.: MTR 8930

Date Completed:___

5540-40-600 Marie				-	garana.				
TAD	E.O .DEFA	ULT	:8:	m	1	W	ŧ	f	ь
Code	Hour! Min	Plan	1	2	3	4	5	6	7
0-0	00:00	E.	X	X	又	X	X	X	X
0-1	(X) : (X)	5		X	X	X	X	X	
0-2	08:00	1	X						X
0-3	20:00	1		X	X.	X	戊	X	
0-4	15 :00	q		X	1	X	75	7.	
0.5	19:00	į		X.	X	X	X	X	
0-6	22:00	E	X	X	X	X	X	X	X
0-7	:						_		-
0-8	;								
0-9	;								
0-A	:								
0-b									
0-0	;								
_0-d	:							-	
0-E									
0-F	;								

	TABLE 3		8	m	t	·w	t	1	8
Code	Hour : Min	Plan	1	2	3	4	5	6	7
3-0	:								
3-1	:								·
3-2	;		Γ						Г
3-3	;								
3-4	:								
3-5	:								
3-6	:								
3-7									
3-8	:								****
3-9	:						-		
3-A	;								
3.6	<u>:</u>								
3.0	. :								
3-d	:								
3-E	: :								
3.F	:								

400000	NO VINCENSIA			-	NAME OF TAXABLE PARTY.	dadeermen			-	-
_	ANI	NUALTEVEN	TS	8	m	t	W	t	- 5	8
<u>c</u>	ode	Month /_Day	Lable	1	2	3	-4	5	6	7
L	5-0							-		
L	5-1				-					
L	5-2	1								
L	5-3	1				·				
	5-4]								
L	5-5	. 1								
	5-6	1								
L	5-7	. 1								
L	5-8	1								
	5-9									
	5-A									
	5-b	1								
	5-C									
	5-d									
L	5-E	/								
	5-F	1								
-								-		THE OWNER OF THE OWNER OWNE

	TABLE 1		В	m	t	w	t	ľ	5
Code	Hour: Min	Pinn	1	2	3	4	5	6	7
1-0		1-		1.				,	Ė
1-1		i		[-	•	Ĭ,	1	٠, ۱	
)1-2	: 1,5					۸.	·	Λ	-
<u>/1-3</u>	_ :			П					
1-4						-			
1-5									
1-6	:								
1-7									
1-8	:								
1-9	:				1				
1-A								_	
1-6					1				
1-C	:							\neg	
1-d	:_			i		İ	_	1	
1.E	:			Ī	T			1	
1.F				Ť					

—Plan	=	Pla	ın Nu	ımber
	Ţ	21_	D2	D3_
01 =	=	1	2	3
O2 =	3	4	5	6
O3 =	=	7	В	9
Plans:				Keys:
A = Arrows On				0 = No Days
d ≈ Arrows Off				B = All Days
_C = Offset Timin	ıg			9 = Weekdays
E = Function 6				•
F = Flash				•
Table #4, N th = Tl occurence in the the last occurence	П	าดก	1th (1	-5). 99 = Alwavs
I.E. Thanksgiving Thursday.	1 =	= 1	1 / 04	[Table] and

			-	-					
AN	NUAL EVEN	TS-	8	m	1	w	t	ſ	s
Code	Month / Day	Table	1	2	3	4	5	6	7
6-0	1								
6-1	/								
6-2									
6-3									
6-4									
6-5	1								Γ
6-6	/								
6-7	1								
6-8	1								
6-9	ŀ								
6•A	i								
6-b									
6-C									
6-d	I						•		
6∙E	Ţ,								
6-F	1								العادات

	TABLE	2		s	m	t	W	t	1	6
Code	Hour!	Min	Plan	1	2	3	4	5	6	7
2-0	:									
2-1	:			Ī						
2-2										
2-3		_								
2-4	:		!							
2-5	:			_					_	
2-6	:							-		
2.7	:							_		
2-8	:			_						
2-9	:									
2.A										
2.b										
2-0	:									
2-d	:									
2-E			l							
2-F	:			İ						

FLOA	TING HOLIC	AYS	8	m	t	W	t	1	8
Code	Month / Hh	Table	1	2	3	4	5	6	7,
4-0	3110s			X		Ī			Г
4-1	0903	-		X					
4-2	05199	î		X					
4-3	59.101	1.		χ	_			·	
4-4	11 104	}					Χ		_
4-5	l i						<u>^</u>		
4-5	. 1				-	_			
4-7	1								
4-8	1			-	_				_
4-9	1							_	
4-A	1				_			-	
4-b	1					-	·		
4-C	1								
4-d	I								
4-6	1						_		
4-F	1	· · · · · · · · · · · · · · · · · · ·							

ANI	YUAL EVEN	ITS	8	m	t	W	1	f	s
Code	Month / Day	Table	1	2	3	4	5	6	7
7-0	. 1							Г	1
7-1	1								
7-2	/								Г
7-3	. 1								
7-4	/								Ī
7-5									1
7-6	1 .			Γ					Ī
7-7	1						_		Γ
7-8	I				_		_		Ī
7-9	1					_		Г	T
7-A	1								Γ
7-b	ī								
7-C	1								T
7-ਰ	1								
7-E									
7.F	1								1

LACO-1R WWV-TIME-BASED ANNUAL TABLES

Page 6 of ______

Intersection: Beverly BI & Montehella BI	Date Requested: 7.23-02 PD	By: KAA
T.S. No.: 1071 8 8930	Date Completed:	Ву:

-									
EXC	EPTION DA	Y\$	s	m	<u> t</u>	W	t	f	s
Code	Mouth / Day	Fing	1	2	3	4	5	6	7
8-0	01 101	.1		X	X	X	X	X	
8-1	01/02			X					
8-2	07/04			Х	X	X	X	Y	
8-3	07105			Á		-			
8-4	111 110							X	
8-5	11///			X	X	\overline{X}	X	X	
8.6	1 / 12	1		X		_			
8-7	12124	}		X	X	X	X	\overline{X}	
8-8	12/25			X	X	X	\overline{X}	Χ	~
8-9	12/20	1		X				X	-
8-A	. 1	- April and -				-			
_3-b	1					*****	-		
8-C	1								
8-d	1								\neg
8-E	1						_		
8-F	1								

EXC	EPTION TIN			T	able	8 1	Flac	18	
Code	Hour : Min	Plan	1	2	3	4	5	6	7
9-0	00:00	Ē,	X				_		
9-1	CK:05	1	X						
9-2	22 750	F.	X						
9-3			Ì		-	-			
9-4	:	TER Concess				-			
9-5	:					_		_	
9-6								-	
9-7	:					_		-	
9-8	:								
9-9								-	
9-A	:								
9-b	:		-						
9-C	:							-	
9-d	:							_	
9-E	;								
9-F	1								

						IL.	9-F	<u> </u>	_ ;			
						L			w.J			
SPECI	AL FI	JNCT	гюи	TAE	LE							
Keystr	okes:	F+	d + F	unc	ion	*************						
		Phase Flags										
		1	2	3	4	5	6	7	8			
(Green) Calling Phases	0								Ť			
(Green) Call To Phases	1								 			
(Yellow) Calling Phases	2											
(Yellow) Call To Phases	3											
Auxiliary Ovlp A Output	4											
Mid-Block Ped Crossing	5	100		12035		能認	300	9000				
Driveway Flash	6											
Green Extension	7								<u> </u>			
Sequential Ped	8		NE				# 1 P	温度	3.5			
Not Used	9	* 83	擔該	級推	रें	鵽	(i)	14.4	-M			
EV- A Clearance Phases	Α							<u> </u>				
EV- B Clearance Phases	b											
EV- C Clearance Phases	Ç											
EV- D Clearance Phases	ď			X					X			
Track Clearance Phases	E								-``			

NOTES ON USING TABLES:

Starting from the base display [A/b] Table access is gained with a two digit Table Code. Access is verified by the flashing of both Call Light 9 and the Phase digit* of the display (* No Flash if Table # & Event # match).

Five keypresses will be required followed by [E] to enter the data and open the flag mode. Day of Week flags can now be set.

ADDITIONAL KEY CODES:

d-0-3 = 1 Search Tables d-0-3 = 3Repoll WWV Clock

d-A-F = 1Repoll WWV Clock

d-0-3 = 071 Save Timing to Prom Module d-0-3 = 170 Download Timing into 170

d-0-3 = 999 Clear All Tables

F-0-0 = Phase / Dial Copy - Source

F-0-1 = Phase / Dial Copy - Destination

F-0-4 = Program Number (66)

d-0-8,9,A = Mo,Day,Yr of Latest Revision

E-E-0-0 = Reinitialization

When Any Flagged Phase is Green - - -

--- Place A Locked Call To These Phases.

When Any Flagged Phase Is Yellow ---

· · · Place A Locked Call To These Phases.

"Three Color Single Phase Overlap" Outputs On Auxiliary File - Slot 1

Ø4P Only. Ø2 & Ø6 Reds Flash During Ø4P Clearance

Flashes The Green Outputs Of The Selected Phases

Staggered Termination At Barrier Crossing

Allows Ø1, Ø3 or Ø5 Ped to output on the Ø8P Load Switch

OVERLAP GREEN OMIT	Keys	1	2	3	4	5	6	7	8
Green Omit for Overlap A	F-C-4								
Green Omit for Overlap B	F-C-5								
Green Omit for Overlap C	F-C-6								
Green Omit for Overlap D	F-C-7								

F-9-7	Coordination Free Time (Seconds) After Railroad Preempt
F-9-d	Green Rest Delay Time (Seconds)
d-0-1	RAILROAD ROUTINE SELECT: 0 = Normal Railroad 1 = Special Two Input Railroad Routine
d-0-2	MANUAL CONTROL: 0 = Not Enabled 1 = No Recalls 2 = Vehicle Recalls 3 = Vehicle and Ped Recalls
	voltate recounts & - Yenrele and Fed Recans

			1		-			-	·								
PHASE OMIT	Keys	1	2	3	4	5	6	7	8	ADDITIONAL OVERLAPS	Kove	1	2	2	,	6 1	
Phase Omit (Observe Only)	d - d - 4						T					 	-			-	-2-1
Phase Omit for Dial 1	d - d - 5					_	1		$\vdash \dashv$				<u> </u>				
**************************************	-	 		 	 		┼										
						_	-	ļ		Ø7 Load Sw. 3 Color Ovrip E	d - d - E						- 1
Phase Umit for Dial 3	d - d - 7	<u> </u>		L	<u> </u>		<u></u>			Green Omit for Overlap E	d · d · F						
	PHASE OMIT Phase Omit (Observe Only) Phase Omit for Dial 1 Phase Omit for Dial 2 Phase Omit for Dial 3	Phase Omit (Observe Only) d - d - 4 Phase Omit for Dlal 1 d - d - 5 Phase Omit for Dlal 2 d - d - 6	Phase Omit (Observe Only) d · d · 4 Phase Omit for Dial 1 d · d · 6 Phase Omit for Dial 2 d · d · 6	Phase Omit (Observe Only) d - d - 4 Phase Omit for Dial 1 d - d - 5 Phase Omit for Dial 2 d - d - 6	Phase Omit (Observe Only) d · d · 4 Phase Omit for Dlal 1 d · d · 6 Phase Omit for Dlal 2 d · d · 6	Phase Omit (Observe Only) d - d - 4 Phase Omit for Dial 1 d - d - 5 Phase Omit for Dial 2 d - d - 6	Phase Omit (Observe Only) d - d - 4 Phase Omit for Dial 1 d - d - 6 Phase Omit for Dial 2 d - d - 6	Phase Omit (Observe Only) d - d - 4 Phase Omit for Dial 1 d - d - 6 Phase Omit for Dial 2 d - d - 6	Phase Omit (Observe Only) d - d - 4 Phase Omit for Dial 1 d - d - 5 Phase Omit for Dial 2 d - d - 6	Phase Omit (Observe Only) d · d · 4 Phase Omit for Dial 1 d · d · 6 Phase Omit for Dial 2 d · d · 6	Phase Omit (Observe Only) d · d · 4 Phase Omit for Dial 1 d · d · 5 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 2 d · d · 6	Phase Omit (Observe Only) d · d · 4 Phase Omit for Dial 1 d · d · 5 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 3 d · d · 6	Phase Omit (Observe Only) d · d · 4 Aux File 2 Color Overlap C d · d · C Phase Omit for Dial 1 d · d · 6 Aux File 2 Color Overlap D d · d · d Phase Omit for Dial 2 d · d · 6 Ø7 Load Sw. 3 Color Ovrlp E d · d · E	Phase Omit (Observe Only) d · d · 4 AUX File 2 Color Overlap C d · d · C Phase Omit for Dial 1 d · d · 5 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 2 d · d · 6	Phase Omit (Observe Only) d · d · 4 Phase Omit for Dial 1 d · d · 6 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 2 d · d · 6 Phase Omit for Dial 2 d · d · 6	Phase Omit (Observe Only) d·d·4 Aux File 2 Color Overlap C d·d·C Aux File 2 Color Overlap D d·d·d Department of Dial 2 d·d·6 Ø7 Load Sw. 3 Color Overlap E d·d·E	Phase Omit (Observe Only) d · d · 4

Limited Service Phases

DEPARTMENT OF PUBLIC WORKS TRAFFIC AND LIGHTING DIVISION TRATTIC SIGNAL TIMING S COUNTY

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TYPE 170 PROGRAM

Ø,

PARAMOUNT

0

ø

Intersection: MONTEBELLO

8

1100

1-12-00

Date Requested:

6 7 il Il เก w D 0 4 4 | X | X | X | 0 1 2 3 PHASE FUNCTION FLAGS ଶ Keystrokes: F + F + Function 1 0 Ø U ш 0-1-0 4-F-2 4. 1. G-F-A G-F-5 9-1-5 6-17-D 4-F-7 Green Rest → (Set Delay F- 0-8) (Parents must be Yellow Start Up) 1-12-80 → (Set Delay F- 0-7) Pedestrian Recall & Rest In Walk Profected / Permissive Left Furn Semi Traffic Actuated Mode First Phases After Start Up PEDESTRIAN PHASES Maximum Vehicle Recall Minimum Vehicle Recall Overlap Yellow Start Up: AG PHASE FLAGS Date Completed: Red & Yellow Lock Phases Permitted Restricted Phases 2 Ped Load Switch 4 Ped Load Switch 6 Ped Load Switch 8 Ped Load Switch Phase Yellow Start Up Barrier Recall Double Entry Red Lock Red Rest Lag Dial 3 ag Dial 2 Lag Dial 1 Lag Free True North ¢) N で 4 LO) ω 1- ∞ თ ⋖ 12345678 Δ O Q ш Keystrokes: F + E + Function Keystrokes: F + d + Function PREEMPTION PHASES PREEMPTION RR Delay/Cisar/Mark Timer RR2 Maximum (Minutes) (Seconds) (0, 1, 2)EV Delay/Clearance Timer Free Time After Preempt RR Track Clearance RR1 Exit Phase 6 RR2 Ltd Service 5 EV- A Clearance EV- B Clearance EV- C Clearance EV- D Clearance RR Track Clear EV Maximum RR1 All Red EV- B Delay EV- A Delay EV- C Delay EV- D Delay RR Select EV-A 6V-8 G- 73 EV-C 0.0 0.0 ó 0 O O 0 ထ 0 0 \mathcal{O} C1 Keystrokes: F + Phase + Interval £₩ ÔΦ 40 8 OVLP P 5.0 0 i 0.0 ဖ 0 7 0 i 3 OVLP 'n 0 OVLP 20 40 0 4 0 0 20 1115 TREPER 1919 0,0 iŲ O OMP O 100 N ∞ 8 0 m 0 Remarks: 0 4140 00 Ġ 0 N 2 0 0.0 (0,0) OYLP. 10 10 10 0 MID Q 0 O 0 73 15/ 0 0 0 N 'n 4 W 411 ١, ಟ Ö L 707 67 67 II. 4 4 のなり Max Extension 2 (Doore) Reduce 3.5 Sec. Every... Added Green/Actuation Wax Extension 1 (Free) PHASE TIMING Ovlp Green Extension Ovip Yellow Clearance Flashing Don't Walk Phase # Ovip Red Clearance rebles Extension Oveue Maximum Max Addod Green Green Rast Detay Yellow Clearance Minimum Green Minimum Walk Hed Rest Delay MUNICIPAL CONT Red Clearance Cap menming .S. No.: Red Revert

LOS AN ELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC AND LIGHTING DIVISION TRAFFIC SIGNAL TIMING

Example: Ø1 Detector delay will be avarridden while Ø2 is Yallow or Red.

LACO-3 DETECTOR ASSIGNMENTS

Page 2 of ...

Intersection: MONTEBELLO BL. @ ENL. PARAMOUNT Date Requested: /-/2-00 T.S. No .: 8149 (MTB) Date Completed: \-\2-00 NOTE: Ensure ALL Blank Data Fields are Detector Timing Detector Avaignments set to ZERO or CLEARED. Phase Flags Delay Extended Call Attribute Flage Siot-Lanes Code Seconde Code Seconde Code App Description Channel 2 7 8 3 4 5 6 Code 1 2 3 4 5 6 7 W 6 × 100 LT-1 HUU d10 **d**30 db0 dd0 W LT . 2 6' x 100' MLO E 1.2 ADVANCE 120 d11 **d31** 2.0 db1 dd1 E LT HOLDING (2-6'X6') 12L d12 d:32 db2 dd2 61×751 N RT-1 เรษ (REDR) d13 255 **d**:33 db3 dd3 6' x 75' (REDR.) N KT-2 13L d14 d:34 db4 4 255 dd4 X HU d15 d35 db5 dd5 14L ż ALL IST YELL 15U d16 7 ditto db6 dd6 ISL. ЮU d17 N **ADVANCE** d37 db7 dd7 16L d18 **d3**8 db8 dd8 17U d19 d39 db9 dd9 ĩ7L dIA d3A dbA ddA LT-1 IAII QUEUE dth dala dbb ddh 1/LT-2 IBL. QUEDIE. 19U d1C d3C dbC ddC ЮĹ did d34 dbd ddd JIU d20 **d4**0 dCo dE0 JIL W ALL JZU DOVANCE d21 **d41** dC1 dE1 J2L d22 d42 dC2 dE2 J3U d23 des dr3 dE3 J3L d24 **d44** dC4 dE4 4.3 J4U d45 d25 dC6 dE5 J4L J5U d26 **d46** dC6 dE6 JEL ระบ d27 d47 dC7 dE7 J6L d28 d48 dCe dE0 J7U d29 d49 dCs dE9 171 d2A d4A dCA dEA لالان d2b d4b dCb dEb J81. Ň. RT-1 2-6'x6' (FRONT) USL d2C dac 7 dCC dEC N RT - 2 2-6'x6' J9L oʻz d dCd d4d dEd REMARKS: DETECTOR ATTRIBUTES FLAG 1 - Kud Lock FLAG 5 - Queue Clauding FLAGE- How & Vellow Lock FLAG 6 - Non-Counting FLAG 3 - Yellow Disconnect FLAG 7 - Special Dalay Option FLAG 4 - Red Calling FLAG 8 - Special Delay Option SPECIAL DETECTOR DELAY ASSIGNMENTS Phase All options: Delay Timer touch during detector phase vellow. Code 1 2 3 4 5 6 7 Special Delay Option 1 (Attribute Bit 7) - Hypsones delay while fixing processes are timing. d-d-E Special Delay Option 2 (Attribute Bit 9) - Bypseen delay white flagged phase(s) and finding. **d-**d-F Special Delay Option 3 (Attribute Bits ? & 9) - Bypasses dolly when other phase in same quadrant is NOT Green (1:2) (3:4) (5:6) (7:8).

LACO-3 COORDINATION

Page 3 of 6

1.9. NO."	b/47 intersection:	MONIEDELLO BL. G	PAKAMUUNI	ФĽ.		
System L	imits: DIRECT I/C TO DW)	BEYERLY BL. ON MONTEB	SELLO BL,	decades to the endiable book, acrossosopour	Commission Appeared a commission was a commission and commission a	
Remote N	Aaster: <u>ww</u> ∨	DOGODOWNIA WAS BELLEVILLE OF B			ted: 1-12-00 MAA 1	By: toL
System N	IO.:	· 		Date Comple	ted: 1-12-00	By: DPW
	TIME (OF DAY OPERATION S	UMMARY		* Set Local Manual to 1 before setting or chang	ging dial
	Dial 1	Dial 2	D!al 3 / O	ffset Timing	Intervals & functions. either of the Manuals to	
Offset 1	ALL OTHER TIMES				release that Manual.	
Offset 2		0600 - 0830 M-F			Local Manual 11 = Slave Mode	C-0-1
Offset 3			1500 - 19	00 M-F	12 = Offset Timing Mod	le
Free	2200 - 0600 M-F / 2200	2-2 0000 - 0			14 = Free Operation	
Special					Observe:	d-F-C
F 'S	YNC PARAMETERS Rei	narks:			Hold	d-F-d
	ein Sync Width 2.0 Seconds				Ped Restrict	q-E-E
4	· · · · · · · · · · · · · · · · · · ·				Force Off Local Cycle Timer	d ቴ ቲ
A	Aix!mum \Vidth <u>4,0</u> Seconds Ainimum V/ldth <u>1,0 Seconds</u>				with Field Calls	C-0-b

Keystrokes;		İN	TERVA	L5	·				F	UNCTIO	N FLAG	S .	· · · · · · · · · · · · · · · · · · ·		**************************************		٦ .
C + Column + Roy	42 eoeses	(i)	n secon	ds)		DIA	\L 1	rs ir Alexander		DIA	L 2		DIAI	. 3 / OFI	SET TIM	ING	
Coordination Parameters		Dial 1	Dial 2	Dial 3	Force Off	Hold	Ped Retrict	Call	Force Off	Hold	Ped Retrict	Call	Force Off	Hold	Ped Rstrict	Call	
0	int	1	2	3	4	5	6	7	8	9	А	b	С	d	E	F	Int
tem Manual*	0	90	90	90	2,6			- -	2,6				2, 6				0
Local Monual* O	1	l	(1	-,-	2,6			-/-	2,6		,	-,-	2,6			4
Master Dial	2	フ	フ	フ		-, -	3			-, -	3			-1	3		2
Local Dial	3	19	19	19		2,6	3			2,6	3			2,6	3		3
Offset Number	4	32	32	32	, 3	2,6	-		3	2,6	-		3	2,6		**************************************	4
Time of Day Plan	5	33	33	33	-	2,6)	2,6				2,6			5
Function 6	6	43	43	43	4	2,6			4	2,6			4	2,6		***************************************	6
Current Table	7	14	44	44	-	2,6			-	2,6				2,6	-		7
Minimum Cycle	8	57	57	57	<u>l,</u>	2,6			!	2,6				2,6			8
Maximum Cycle 255	8	58	58	<i>5</i> 8		2,6			-	2,6				2,6			ย์
Master Timer	A	62	62	62		2,6	2			2,6	2			2,6	2		А
Local Timer	b	67	67	67		***/ - -	2			-, -	2			ب	2		ь
lystem Taner	·C	82	82	82			2,6				2,6				2,6		c
Current Offset	d	90	90	90		~	-, -				-,				-,-		d
Last Master Cycle	E																E
Just Local Cycle	F		PODE VICE	ener benen	740 3700 00	1341 AUL		1953 KAN -E-									F

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC AND LIGHTING DIVISION TRAFFIC SIGNAL TIMING

LACO-3 SPECIAL FUNCTIONS

Page 4"of

Intersection: MONTEBELLO BL. @	PARAMOUNT EL. Date R	equested: /-/2-00 MAR	By: to-
T.S. No.: 6149	Date C	ompleted: -\7	By: DP 4
	A CONTRACTOR OF THE PARTY OF TH	2.51)	

OVE	RLAP PH								
i	& 4 TEMP OFF								
Pha	ses →	1	2	3	4	5	в	7	8
Overlap A	F-A-A	Χ		1	X	2		L	
Overlap B	F-A-b				•/				
Overlap C	F-A-C					L			
Overlap D	F-A-d								
Overlap E	F-A-E								
Overlap F	F-A-F								

Ph	ases>	1.	2	3	4	5	6	7	8
Overlap A	F-b-A						Ĺ		
Overlap B	F-b-b								
Overlap C	F-b-C	Ĺ							
Overlap D	F-b-d								
Overlap E	F-b-E								Γ
Overlap F	F-b-F								

RAILRO	AD PI	REEMP'	T C	VE	RL	AF	F	LA	GS	
	Phase	s →	1	2	3	4	5	6	7	8
Overlap A	,	F-C-A			Γ					
Overlap B		F-C-b	Ľ							
Overlap C		F-C-C								
Overlap D		F-C-d								
Overlap E		F-C-E					Γ			
Overlap F		F-C-F	Ŀ							

EMERG	ENGY VEI OVERLAI					EM	PT		
		_	1	_					_
Phi	8868 ->	1	2	3	4	5	6	7	8
Overlap A	F-d-A								
Overlap B	F-d-b	L	<u> </u>	L					
Overlap C	F-d-C								
Overlap D	F-d-d								
Overiap E	F-d-E	L.							
Overlap F	F-d-F								

LOAD SWITCH ASSIGNMENT					
Ped A to Overlap A **	F-9-A				
Ped B to Overlap B **	F-9-b				
Send Overlap C Output to Phase	F-9-C				
Send Overlap D Output to Phase	F-9-d				
Send Overlap E Output to Phase	F-9-E				
Send Overlap F Output to Phase	F-9-F				

Overlap Notes:

2-Color Overlap (A - B) 3-Color Overlap (C - (?)
Unused Right Turn Overlap outputs may be assigned as additional Peds.

PED A uses J110 for Ped Pushbutton Input.

PED B uses Still for Ped Pushbutton Input.

** Set Vehicle Phases for Ped A/D to time with

USER FLAG OPTIONS Neyutrokes: d + E + F		user flag notes
True Maximum Extension	1	The True Meximum Extension flag does NOT allow a maxed out Phase to exter
EV Psoisstrian Cirgrance NOT Protected	2	EV Cisarance is NOT protected when this flag is set.
	3	Unuond.
Mid-Block Podestrian Crossing	4	Fhac as 2 & 6 Red Flach during Phase 4 Ped Protection.
Delay RR Track Clearunce Phase Green	5	Delays Track Clearance until Overlaps time out.
Echo Remete Coordination Input to Output	6	SUS-MASTER OPERATION: Echo Slave Data to Master Output.
Enable Manual Control	7	Enables Maxual Advance Operation. Requires MANUAL Switch.
Delay EV Clearance Phase Green	8	Delays EV Clearance until Overlaps time out.

ASSC	ASSOCIATED PHASE RECALL Locked Call is placed on the Flagger										PHASE / OVERLAP	REAS	31Q	NN	ΙEΝ	ITS				
A Locked C	all is plac	ed	10	th	e F	la	gge	:d		Ì	Phas	38 >	1	2	3	4	5	6	7	8
Phase where is Green.	n the Ass	DC	ata	d F	lec	ail	Ph	88	8		Phase Driveway Flash	F-A-0	L							
Flagged P	hasa -→	1	2	3	4	5	В	7	T	8	Phase Yellow Ranging *	F-A-1	L	L		٠,,,			-	
Phase t	F-C-1	ŕ	Ť	Ť	Ė	Ť	Ť	Ť	t		Overla	<u> </u>	Α	В	Ç	D	E	8		
Phase 2	F-C-2	-	忊	┢	Г	†-	T	✝	†		Cverlap Driveway Flash	F-A-2			_					
Phase 3	F-C-3	╁	十		H	1	†	✝	t	T	Overlap Yellow Ranging *	F-A-3	L	Ŀ	L					
Phase 4	F-C-4	一	一	╅	H	<u> </u>	T		t	-	Ped 2 Load Switch Overlap	F-A-4								
Pluse 5	F-C-5	 	T	\vdash	 	 	†	T	t	-	Ped 4 Load Switch Overlap	F-A-5			_				×	
Phase 6	F-C-6	-	+	┢	†	t	+	+	+		Ped 6 Load Switch Overlap	F-A-6								
Phase 7	F-C-7	T	十	┢	-	╁╴	T	t	t	_	Ped 6 Load Switch Overlap	F-A-7								
Dhees 0	F.C.e	┢	\vdash	 -	H	t	t	+	t											

Notva:

^a Phase / Overlap Yellow Ranging -These Flags remove the minimum and maximum limits on the yellow settings.

Remarks:

T.S. No .: 8149

LACO-3 ANNUAL TABLES

Interception.	MONTERELLO		C .	mama comb	•
mersection;_	MONTEBELLO	BL.	(G)	PARAMOUNT	BL.

Date Requested: /-/2-00

By: tol DV: DP

The state of the s	Vo.: 814									harmone and the second	A-242 No. 1					1	Dat	0 (on	nplete.l:	12-00
	<u>NUAL EVEN</u>	<u>TS</u>	8	m	1	W	1	f	8	AA	NUAL EVEN	TS	B	m	8	W	ť	i	6	NOTES C	N USING
Code	Merch / Day	Table	<u>_1</u>	2	3	4	5	6	7		Month / Day			•	-		5	6	7	Starting (rom the ba
8-0			L.	ŧ						9-0	1			,			-	- *- -	<u> </u>	accass is	gained wi
8-1										9-1	1				_		<u> </u>			Light 9.	verified b
8-2						Γ				9-2	1					-	 -		-	Light 3.	
8-3	1		<u> </u>		_					9.3				-	_			-	-	Five key	W sesses
8-4	1								1	9-4										El to ent	or the data
8-5	/									9.5	1				_	-	-	-	-	Day or W	eek flags o
8-6	/			[]		-				9-6	1						_		-		
8-7	1					-				9.7	- 						-	-		ADDITION	VAL KEY C
8-8	1						_	_		9-8	 				_		-		-	A-C = Clo	ck Display
8-9	1	-								9.9	/			-			\vdash		-	A-D = Dal	le Display
8-4	1				_					9-A	 	-	~						 		
8-b	7				_		_			9.5	 									d-0-0=1	Force Rap
8-C	,									9-C	 		-		-		<u> </u>			d-0-1 = H	our of Last
8-6	7					-				9+d	 		-	-		-	-	-		M = 3-0-b	lnuto "
8-E	7	-								9-E	 				_		-		_	d-0-3 ≈ 3a	
8-F	,			1		-	-			0.5	 			{				-		d-0-4 = M	enth "

	NOTES ON USING TAULES: Starting from the base display [A/b], Table access is gained with a two digit Table Code Access is verified by the flashing of Call Light 9.
١	Light 9.

Five keypresses will be required followed by [E] to enter the data and open the flag mode. Day of Week flags can now be set.

		OFFSETS	arittena)			
	Keystrok	08: F + 9 +	COE	E		
. 5		Dial 1	#	5,1		
1	OPPLET 1	Dist 2	2			
	and answers and solved the decrease the suppression of the state of the solution of the state of	Claid	3			
Here con		Dial 1 4				
	OFFSET 2	Olai 2	5	22		
	ن در دران پیچون و پستند مدر رسوندرد به در در باد است	\$ less:	Ú			
MOTATI: STATE		Dia! 1	7			
	opfart 5	Olet 2	,			
	ares calar was the triples	Diat 8	n	64		

COMMUNIC	ATIONS A	SSIGNMENTS						
Keyetrok	98: də 🕽 +	FUNCTION						
FURT 1	7	L						
PORT 2	8							
P0813	9							
PERTA	A							
0 ≈ QIf	4,75							
1 = WWV Radio R	ecelver							
2 = ML2 Protocol - Coord OUY only								
4 = ML2 Protocol - Coord 'N & OUT								
7 ≈ ML2 Protocol - Coord IN only								

8 = Remote Monitoring (Future)

12 = Sends Thre/Date String Out of Modern

17 = Received Time/Date Saving from Modern

ADDITIONAL KEY CODES:

d-0-0 = 1 Force Repoil of WWV Receiver

d-0-1 = Hour of Last Repoll

d-0-4 = Month

d-6-5 = Day

6-6-6 : Year

OBSERVE ONLY:

E-3-0 = Ring A Max Timer

E-4-5 = Ring B Max Timer

E-6-3 = 4 T.O.D. Ontput

E-6-3 = 5 Piffact Timing Mode

E-6-3 = 6 Slave Mode

E-6-3 = 7 Maximum Extension 2 (Coord)

E-9-3 to 8 Aurowa Dinastrol

F-0-9 = ?!:ase / Eldl Copy - Source Phaua (1-6) Dial (15-13)

F-I)-1 :2 Phane / Dial Copy - Decitination Phase (1-8) Diai (11-3)

F-U-2 = Table/Dial Insert/Delate - Target

Table (0.9) Table (1 = 10) Diai (11-13) F-0-3 = Table/Dial Insert/Delate - Interval

Insert 1-16 Delete 101-116 F-0-4 = Program Number.

F-C-5 = Vorsion Number.

F-G-A = 1 Searches Annual Event Tables.

F-0-A = 071 Save Timing to Prom Module. F-0-A = 170 Download Timing into 170.

F-0-A = 777

Reinitalization from NOVHAM.

F-0-A = 968 Reinitialization from EPROM.

F-0-A n 699 Clears All Tables and Loads Default Hollday Events.

LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS TRAFFIC AND LIGHTING DIVISION TRAFFIC SIGNAL TIMING

LACO - 3 EVENT TABLES

lintersection	n:	MOI	NT)	EE	E	<u>-L(</u>	2_	BL		@	PARA	MOU	NT	.El					4 FIRE	L)at	9 Re	que	ste	ed:_	1-	/2-	00	M	4d	B	v:	to	L
T.S. No.:	814	2																		Ľ	at	9 Co	וכן חי	et	ed:_	١	12-	-GO	************	******	B	v:	X	71
TABLE 0 - D	EFAL	JLT	8	m	ı	w	t	1	8			TABI	.E 3		8	m	t	w	t	9	8		SL	٩V	E MC	DE	TABI	E	я	m	1	wĪ	T	7
Code Hour:	Min	Plan	1	2	3	4	5	6	7		Code	Hour	Min	Plan	1	2	3	4	5	6	7		Cod		Hour		1	ial	1	2	3	ā	1	Ġ
0-0 00:	00	E	X	X	X	X	X	X	X		3-0					П							5-0	,		:	┪		-	_	Ť	-	Ť	×
	2	_		1	1	T	1.	T		N I					1					-		l		}		·								

TABI	E 0 - DEFA	ULT	8.	m	t	w	t	1	8
Code	Hour: Min	Plan	1	2	3	4	5	6	7
0-0	00:00	ш	X	Х	X	Х	X	x	区
0-1	06:00	5		X	×	X	X	X	
0-2	07:00	_	Х						X
0-3	08:30	-		X	X	X	Х	×	
0-4	15:00	9		X	X	Х	X	X	
0-5	19:00	-		Х	Х	×	Х	X	
0-6	22:00	E	X	X	X	X	х	X	X
0-7									
0-8	;								
0-9	;								
0-A	:								
0-b	;								
0-C	;								
0-d									
0-E	:								
0-F	:								

	TABLE 3		8	m	-	w	t	9	8
Code	Hour: Min	Plan	1	2	3	4	5	6	7
3-0									
3-1	<u> </u>								
3-2									
3-3	;								
3.4	:								
3-5	:				•				
3-6	;								
3-7	:								
3-8	:								
3-9	:								
3-A	;				_				
3-b									
3-C	:								
3-d	:								
3-E	:								
3-F		700 B. TO B. TO							

SLAV	E MODE TA	BLE	8	m	t	w	t	7	8
Code		Dial	1	2	3	4	5	6	7
5-0			Γ						
6-1									
5-2	:								
5-3									
5-4									
6-5									
5-6	:								
5-7							-		
5-8									
5-9									
5-A									
5-b									
5-C	:								
5-d	:	,							
5-E	:		·			******			
5-F	:								

_			1		-	-	,		
	TABLE 1		8	m	1	W	ŧ	1	8
Code	Hour: Min	Plan	1	2	3	4	5	6	7
1-0	00:00	Ш		X	Х	X	×	X	
1-1	07:00			Х	X	х	×	×	
1-2	22:00	E		X	X	X.	X	X	
1-3	:								
1-4	:								
1-5	:								
1-6	;								
1-7	;								
1-8	:								
1-9	;						_		
1-A	:				_				
1-b	:							\Box	
1-C	:			-					
1-d	:								
1-E	:	-							
1-F	:								

. Plan ≔ l	rian Ni	างเฉพา	Keys:							
O/D	D1 D	2 D3	0 = No Days							
01=	1 2	3	0 = All Days							
O2 =	4 5	6	9 = Week Days							
O3 =	7 8	9								
Plane:										
A = Protec	ted/Pe	rmise;ve	Arrows (F-F-b) Disabled.							
			Wire input).							
C = Offeet	Timing	Mode								
d = T.O.D.	Output	t (Dotect	of Reset Line) "ON".							
도 = Functi	on 6		·							
F = Reset	F = Reget Plane A & d.									
Table 6:										
C = Continue the Floating Holiday by C (0-9) days.										
NIA The r	umhar	of the o	nnuranna in the month							

(1.5, 9 = Always the last occurence in the l.e. Thankegiving = 11/1/4 (table) flag Thursday continues 1 extra day.

		THE PERSON		ртана			7 KD I	, Atalahan	Men.
FLOA	TING HOLIE	PAYS	8	m	t	w	t	1	g
Code	Month / C / N th	Table	1	2	3	4	5	6	7
6-0	01/0/3	1		X					
6-1	02/0/3	1		х				,	
6-2	05/0/9	1		Х	1.4				
6-3	09/0/1	1		X				1	
6-4	11/1/4	_ 1					Х		
6-5	[]								
6-6	11								
6-7	1 1								
6-8	11								
6-9	1 1								
6-A	1 1								
6-b	1 1								
6-C	1 1								
6-d	1 1								1
6-E	11								
6-F	11								

	TABLE 2		24	m	t	w	1	r	8
Code	Hour: Min	Plan	1	2	3	4	5	6	7
2-0	:								
2-1									Г
2-2									
2-3									
2-4	:_								
2-5									
2-6	:								
2-7	:								
2-8									
2-9									
2-A									
2-b	•								
2-C									
2-d									
3-E	:								
2-F	•	<u> </u>							

	TABLE 4	LEL ENTERNA	8	m	t	w	ŧ	f	6
Code	Hour : min	Plan	1	2	3	4	5	6	7
4-0									
4-1	:								
4-2	;								
4-3	;	İ			Ĺ				
4-4	1								
4-5	<u>:</u>								
4-6									
4-7									
4-8	:								
4-9									
4-A									
4-b									
4-C									
4-d									
4-6	<u>:</u>								
4-F	AND LEGAL DAYS AND LAST AND	articus ("e ses	43.45						

EXC	EPTION DA	YS	9	m	t	w	ŧ	1	8
Code	Month / Day	Yable	1	2	3	4	5	6	7
7-0	01 / 01	1		χ	Х	X	Х	Х	
7-1	01 / 02	_1		X					Γ
7-3	07 / 04	1		X	Х	X	X	х	
7-3	07 / 05	1		Х					
7-4	11 / 10	1						Х	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
7-5	11 / 11	1		X	X	X	X	Х	
7-8	11 / 12	1		X	1 (C)				Г
7-7	12 / 24	1		X	χ̈́	Х	X	x	Г
7-8	12 / 25	1		Х	¥	X	Х	Х	
7-9	12 / 26			Х	1.5	7.		7	
7-A	1	-						ŀ.	
7-h				\Box					Т
7-C	1					6			Γ
7-d						1	-		
7-E	I	100				4.24			ŕ
7- F	1		_						

LACO - 1HC

DEPARTMENT OF PUBLIC WORKS

LOS ANGELES COUNTY

TRAFFIC & LIGHTING DIVISION TRAFFIC SIGNAL TIMING

TYPE 170 PROGRAM

WHITTIER BLVD @ MONTEBELLO BLVD

By: MC

Date Pr

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U)	
17	
4	
ed:	
repared	
0	,

e Prepared: 4/17 e Implemented:	112 //	
	vare Prepared: 4/17	-

m	
plemented:	

AGS	uo	3 4 5 6	× × × × ×		×
正	ncti	2	X	┞	×
NO	흎	=		-	
PHASE FUNCTION FLAGS	Keystokes: F+F+Function		Phasos Permitted	Red Lock	Red & Yellow Lock

Keystrokes: F+E+Function PREEMPTION

 ∞

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rO 0

3 0 0 4 0

N

Phase #

Keystrokes: F + Phase + Interval

PHASE TIMING

8452

Intersection:

T.S. No.:

(0, 1, 2)

RR Soloct

0 0 4

Track Clearance

52

20

0 4

17 9

9

Flashing Don't Walk

0 0

0

Minimum Walk

RR Red

Ø

9

RR2 Maximum(Minutes)

25

0

25

0

20

25

0

3

Queue Maximum Minimum Groen

Q

N

EV-A Cloarance

4.5

1,5 1.5 5

5.5 50

1.5

1.5 4.5 1.5 4.5

Ŋ 9

Vehicle Extension

Maximum Gap Minimum Gap

EV-B Delay

5.0 3.0

5.0 1.5

5.0 1.5

۲٠ س

EV-A Delay

0.0 0.0

0.0

0.0 0.0 0.0 0.0 0.0

4

Added Green/Actuation

EV-B Clearance

EV-C Dolay

ည

20

ည

20

20

20

50

20 20

Ø ത 4 0 Ç

Max Extension 1 (Froe)

3.0

۸-i

3.0

1.5 3.0 1.5

			١	-				,	,	
	L	Phasos Permitted	0	×	×	×	XXXX		×	×
	-	Red Lock	40	-		Γ	T	1	T	
	N	Red & Yellow Lock	N		×		×		×	
	T	Minimum Vehicle Recall	3				T	\vdash	1	
	3	Podestrian Recall + Rest in Walk	4		T	Г	T	1	1	
	4	Podestrian Phases	r.	T	×		×	T	×	
	1	Rost in Rod	0	Γ					-	
	0	Semi Traffic Actuated Mode	7			T	T	T	1	
	Ø	Double Entry	œ			T	1	T	\vdash	
	I	Maximum Vohicle Recall	ത				1		H	
	-	Overlap A	A			T	T	1	1	
	œ	Overlap B	Ω		П				-	
T	1	Barrior Rocall	Ö						_	
	n	Rost in Green	TO					_	-	Г
	d	Yellow Start Up	Ш	T	×		-	-	×	
T	T.	Protected/Permissive Left Turn	ш						-	Г
	C							١	1	1

_	(1							
)	I AG PHASE EL AGS		4	0	0	9	u	0	1	0
1000	-	מיני ווייני			1	2	î	7	9	,	0
	0	Lag Free	d-F-0		×		×	Γ	×	T	×
	Ш	Lag Dial 1	d-F-1		×		×		×	Γ	×
梦餐	Ti	Lag Dial 2	d-F-2		×		×		×	T	×
被	L	Lag Dial 3	d-F-3		×		×		×		><
					1		ı	1	1	1	1
		7		I	L			ŀ	I	I	I

EV Maximum (Seconds)

Dolay Timer

0.0 | 1.5 | 0.0 | 1.5 | 0.0 | 1.5 | 0.0 | 1.5 3.0 | 4.0 | 3.0 | 4.0 | 3.0 | 4.0 | 4.0 | 4.0 0.5 | 1.0 | 0.5 | 1.0 | 0.5 | 1.0 | 0.5 | 1.0

7

Reduce 0.1 Sec. Every ...

ш

L

Red Clearance

Yellow

Maximum Timer Clerance Timer

EV-D Clearance

EV-D Dolay

EV-C Clearance

110

20

20 110

110

20 51 51

110

Max Extension 2 (Coord)

Offset 2 Offset 1

Offset 3

Dist 2

		4
4.	- ⊳	∞
m ₩		1
2	1	₩
1	▶	ιο 4
Phase North	4	
True North	4	

) Remarks:	0	7
_	vi	
F-0-E	F-0-F	
Max Added Green	Red Revort	

LACO-1HC - DETECTOR ASSIGNMENTS

8452

Intersection: WHITTIER BLVD @ MONTEBELLO BLVD

			Phase File - Slot		Delay .	Exten	ided Cali				le 1		Pr	ogr		nabl		·	'ellov conr			Quei	-
Арг	Lanes	Description	Channel	Code	Seconds	Cods	Seconds	De	etec n	tors has	in:	ill d g if	iefa not	ult	to r	orm	al	Code	Lite	On	Code	ш	a 0
E	LT	1ST VEH 4-6'X6"	1110	-		1	-	-							9,50		******	 	╫	╁	-	+	-
		V OF TOURSON PROVINCE THE ALL	111L	d10		d30		-				-carcinome				~	-	dF4	1		dF8	1	
W	1	ADVANCE	212U	d11		d31												dF4	2	T	dF8	7	
W	2	ADVANCE	2121.	d12		d32		1		Autoria de la constanti			************	********				dF4	3	T	dF8	3	╅
			2131	d13		d33										*******		dF4	4	1	dF8	14	_
			213L	d14		d34					********	··-						dF4	5	T	dF8	5	\top
W	1	QUEUE 2-6'X6'	214U	d15			2.0	Call Ø	1	2	1	3	4	5	6	7	8	dF4		T	dF8	1	1
W	2	QUEUE 2-6'X6'	214L	u 15		d35	2.0	dd8		T	1		*****	<u> </u>	T	Т	-	dF4	6		dF8	- 6	X
5	LT	1ST VEH 4-6'X6'	315U	d16		d36			•					ـــــــ			·	dF4			dF8	†	T
			315L	uio		uso		,										dF4	7		df8	7	
Ν	1	ADVANCE	416U	d17		d37						******		-			MINISTENSON.	dF4	8		dF8	8	+-
2	2	ADVANCE	416L	d18	·	d38						*********						dF5	1		dF9	1	1
N	1	QUEUE 2-6'X6'	417U	d19		d39	2.0										******	dF5	2		dF9	2	X
N	2-1, 2-2	QUEUE 2-6'X6'	417L	d1A		d3A	2.0		******									dF5	3		dF9	3	X
			418U	d1b		d3b		Call Ø	1	2	T	3	4	5	6	7	8	dF5	<u> </u>		dF9		1
			418L	4.0		uso		dd9			T	7					-	dF5	4		dF9	4	
			1 9U	d1C		d3c					_		,				-	dF5	5		dF9	5	
			319L	d1d		d3d												dF5	6		dF9	6	T
W	LT	1ST VEH 4-6'X6'	5J1U	d20		d40					-					ide a franchis de la companya de la companya de la companya de la companya de la companya de la companya de la		dF6			dFA	Ι.	
			5J1L			440												dF6	1		dFA	1	
E	1	ADVANCE	6J2U	d21		d41												dF6	2		dFA	2	
E	2	ADVANCE	6J2L	d22		d42							-	-				dF6	3	\neg	dFA	3	
Ε	LT	1ST VEH 4-6'X6'	6J3U	d23		d43										-		dF6	4		dFA	4	
			6J3L	d24		d44										**********		dF6	5		dFA	5	
Ε	1	QUEUE 2-6'X6'	6J4U	d25		d45	2.0	Call Ø	1	2	3	3 7	4	5	6	7	8	dF6			dFA		
Ε	2	QUEUE 2-6'X6'	6J4L				۵,۷	ddA				Τ	Т					dF6	6	Ì	dFA	6	X
N	LT	1ST VEH 4-6'X6'	7J5U	d26	1	d46		Disc	onr	iec	te	d	2 F	₹ea	r l	qoo.	s	dF6			dFA		
		***************************************	7J5L			440												dF6	7	ſ	dFA	7	
S	1	ADVANCE	8J6U	d27		d47												dF8	8	1	dFA	8	
5	2	ADVANCE	8J6L	d28		d48												dF7	1		dFb	1	
5	1	QUEUE 2-6'X6'	8J7U	d29		d49	2.0				_							dF7	2	\top	dFb	2	Х
5	2-1, 2-2	QUEUE 2-6'X6'	8J7L	d2A		d4A	2.0											dF7	3		dFb	3	X
			878A	d2b		d4b		Call Ø	1	2	3	4	J	5	6	7	8	dF7	_		dFb		
			8J8L					ddb								T	\Box	dF7	4		dFb	4	
				d2G		d4C												dF7	5	1	dFb	5	
Olympics			7J9L	d2d		d4d]										\neg	dF7	6	_	dFb	6	

		LLO' UICI					T								
	Call Lights														
Code	1	2	3	4	5	6	7	8							
dF4						Г.									
dF5							魏	数							
dF6															
dF7							热蒙	34.5							

Remarks:

	zwawieka)			CONTRACTOR OF THE PARTY OF THE	-	<u>्</u> या अस्ति केत्र	ESI Romania							
QUEUE CLEARING DETECTOR														
QUICK REFERENCE														
Call Lights														
Code	1	2	3	4	5	6	7	8						
dF8						X								
dF9		X	Х				貌	談						
dFA						X		2.231						
dFb		X	X			-	旗	信						

LACO-1HC - COORDINATION

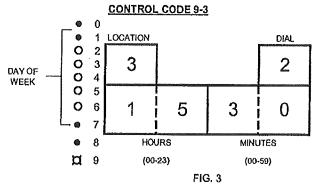
T.S. No. :	8452	Intersection:	WHITTIER B	LVD @ MONTEBELLO BL	.VD	
System Lir	nits:	Garfield Ave to First	St/Bluff Rd on Whittier Blvd	; Paramount Blvd to Union	5t on Montebello Blvd.	
Remote Ma	aster:	WWV		Date Prepared: 4/17/	12 M By: 1 By:	10
		TIME OF D	AY OPERATION SUMMARY		* Set Local Manual to 14 (fr	ee)
		Dial 1	Dlal 2	Dial 3 / Offset Timing	intervals & functions. Setti	ng.
Offset 1	AL	LL OTHER TIMES	0600-0900 M-F	1500-1900 M-F	either of the Manuals to 0 v	/111
Offset 2					Offset Timing Mode:	
Offset 3		• • • • • • • • • • • • • • • • • • •			A 12 at C-0-1 or by T.O.D er this mode and uses the Dia	iables I 3
Free		210	00-0600 M-F; 2100-0900 S	i-s	Intervals and Functions.	
Special					Observe:	
	RCONNE 7 = Siav	CT SELECT /e [X] 170 = Master	<u>Remarks</u> :		Call Hold Ped Restrict	d-F-C d-F-d d-F-E
d-0-E Set Maxin d-0-F Set Minim					Force - Off Cycle with Field Calls Master Sync Pulse Width	d-F-F C-0-b d-0-d
Keystrokes:		INTERVALS		FUNCTION FLAGS		1

Keystrokes:			NTERVA								ON FLAG	S		and the second second		An implies (Rep (Gro)) (Man)	1
C + Column + Row	_	<u> </u>	n secon	ds)		DI	AL 1			IG	AL 2		DIA	L3/0F	FSET YII	AING	1
Coordination Parameters		Dial t	Olal 2	Diai 3	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Rstrict	Call	
0	Int	1	2	3	4	5	6	7	8	9	А	b	С	d	E	F	Int
System Manual*	0	90	100	100	2,6				2,6				2,6				0
Local Manual* O	1	1	1	1	-,-				٠,-				۵,۵				1
Master (Pipi)	2	15	15	15	3,7				3,7				3,7				2
CurrentiDal	3	16	16	16	-,-				٠,٠				-,-			-ai	3
Office Number	4	21	26	26			4,8				4,8				4,8		4
Time of Day Plans	5	33	38	38		2,6	4,8			2,6	4,8			2,6	4,8		5
Function 6	6	45	50	50	4,8	2,6	-,-		4,8	2,6	*,*		4,8	2,6	-,-		6
Current Table	7	46	51	51	-,-	2,6			-,-	2,6			-,-	2,6			7
Minimum Cycle	8	60	65	65	1,5	2,6			1,5	2,6			1,5	2,6			8
Maximum Cycle 255	9	61	66	66	-,-	2,6			-,-	2,6			-,-	2,6			9
Master Timer to	A	64	74	74		2,6	2,6			2,6	2,6			2,6	2,6		A
Cocalifination	b	78	85	77		.,.	2,6			-,-	2,6			-,-	2,6		b
New Officer	С	90	100	100			-,-				-,-				-,-		С
Curon Office	d			NA STATE OF THE PARTY OF THE PA												The state of the s	d
te List Masier Cyclos	E			a de la companya de l													E
Lastitocal Cycle 4	F																F

Intersection: T.S. No.: 8	W 452		TTIER BL	/D @ MOI	NTEBELLO	BLVD					epared: plemente	4/17/12 d:		y: <u>MC</u>
DAY OF WEEK	0	0 1 2 3 4	LOCATION 0	. CODE A-(2	SECONDS ACTIVITY	DAY OF WEEK		• •	0	CONTRO LOCATION	L CODE A-I	<u>.</u>	MONTH (I-C)
	0	5 6 7	0	7	5	8			0	5 6 7	2	7	8	2
	ø	8 9	(00		(00	UTES -59)				8 9		= MONTH 1-31) FIC	YE 3. 2	AR
ABOVE EXAM 7:58 A.M. ON T MAY 27, 1982	THUF	RSE	OAY (FIG. 1)		1 SUI 2 MO 3 TUE 4 WE 5 THU 6 FRI	AY OF WEE NDAY NDAY ESDAY DNESDAY JRSDAY DAY		1	MON JANUA FEBRU MARCI APRIL MAY JUNE	ARY JAR	7	JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER		

DIRECTIONS

At control code A - C, key in hours and minutes, then key in 0 for seconds activity. Enter key E and turn on call light corresponding to day of the week. (NOTE: Seconds start at 0 seconds - for observation and correction use address D - 4 - F). At cibtrik cide A - D, key in the day of the month, year and month, then enter key E.



ABOVE EXAMPLE

The example (FIG. 3), shows a time of day event at control code 9-3 with dial 2 to start at 3:30 P.M. each weekday from Monday through Friday.

DIRECTIONS

To set an event, key in 9 + the table location, key in hour, minute, and event, then enter key E. Set day(s) with call/active lights. To observe current event use address C - 0 - 5. (NOTE: These time of day events are local - not system events.)

EVENT TABLE

FOR DIRECT INTERCONNECT ONLY. (D00=7)

	↓ TIME 'DIAL 1 2 3 4 5 6 7 . <td< th=""></td<>										
y											
LOC.					•			FRI			
9+↓	TIME	'DIAL	1	2	3	4	5	6	7		
0				,							
1											
2					-						
3											
4											
5											
6											
7								-			
8											
9									_		
Α											
В			Î					一			
_ C											
D									一		
E				Ī							
F		Ī									
* DIAI	1 = 1.2	-22	- O 1								

* DIAL 1 = 1, 2 = 2, 3 = 3, FREE = E, OFF = 0. (NOTE: At C - 0 - 5, Free = 14) OFFSET TIMING = C T.O.D. FLASH=F

LACO-1HC - EVENT TABLES

Intersection:	WHITTIER BLVD @	MONTEBELLO BLVD	Date Prepared:4/17/12	By: MC
T.S. No.: 8452			Date Implemented:	By:
TABLE 0 - DEFAUL	T s m t w t f s	TABLE 3 m t	W t f s ANNUAL EVENTS S M t	w t 1 s

TAE	LE 0	Q.	EFAU	LT	s	m	t	W	1	1	8
Code	Hour	;	Min	Pian	1	2	3	4	5	6	7
0 -0	00	;	00	E	X	X	X	X	X	X	X
0 -1	06	;	00	2	П	X	X	X	X	X	
0 -2	09	;	00	1	X	X	X	X	X	X	X
0 -3	15	:	00	3	П	X	X	X	X	X	
0-4	19	;	00	1		X	X	X	X	X	
0 -5	21	:	00	E	X	X	X	X	X	X	X
0 -6		;									
0 -7		ţ									
0 -8		ı									
0 -9		;									
0 -A		:									
0 -b		ŧ									
0 -C		:									
0 -d		;									
0 -E		:				\Box					
0 -F		;						[

	TAB	LE	3			m	t	W	t	1	S
Code	Hour	;	Min	Plan	1	2	3	4	5	6	7
3 -0		1									
3 -1		:									
3 -2		:		L							
3 -3		:									
3 -4		;									
3 -5		;									
3 -6		:									
3 -7		:									
3 -8		1									
3 -9		;									
3 -A		:									
3 -b		:									
3 -C		:									
3 ·d		1									
3 -E		:									
3 -F		<u>:</u>									

IA.	INUAL E	ENT.	\$	S	m	ī	w	t	1	s
Code	Month /	Nn	Table	1	2	3	4	5	6	7
5 -0	/									
5 -1	/									
5 -2	/									
5 -3	. /									
5 -4	/									
5 -5	/									
5 -6										
5 -7	1									
5 -8	1									
5 -9	1									
5 -A	1				П			7		
5 -b	1									
5 -C	/									
5 -d	/							П	\Box	
5 -E	1									
5 -F	1									

					_			v			
	TAB	LE	1		s	m	1	W	t	f	s
Code	Hour	:	Man	Plan	1	2	3	4	5	6	7
1 -0	80	:	00	ш		X	X	X	X	X	
1 -1	09		00	1		X	X	X	X	X	Γ
1 -2	21	ï	00	E		X	X	X	X	X	Г
1 -3		t									
1 -4		1									Γ
1 -5		;									
1 -8		:									Г
1 -7		:									
1 -8		:									
1 -9		:									
1 -A		:									
1 -b		:									
1 ·C		:									
1-4		:									
1-E		:								-	
1 -F		:					\neg	\neg			

Plan =	Plar	ı Nu	mb	16
		<u>D1</u>	D2	D3
01	=	1	2	3
02	=	4	5	6
03	=	7	8	9

Plans:	Keys:
A = Arrows On	0 = No Days
d = Arrows Off	8 = All Days
C = Offset Timing	9 = Weekday:
E = Function 6	·
F = Flash	

Table #4, Nth = The number of the occurrence in the month (1-5), 99 = Alvrays the last occurrence in the month.

I.E. Thanksglving = 11/04 [Table] and Thursday.

AN	NUAL EV	ENT:	S	s	m	t	w	t	ī	s
Code	Month /	Na	Table	1	2	3	4	5	6	7
6 -0	/									
6 -1	1									
6 •2	1									
6-3	/									
6 -4	/									
6-5	/									
6 - 6	/									
6 -7	1									
6 -8	1									
6 -9	/							٦	\neg	\neg
6 -A	/						\neg	٦	\neg	
6 -b	/									
6 -C	/									
6 -q	/							\neg		
6 -E	1									
6 -F	/_									

	TABLE	2		8	m	t	w	t	ſ	6
Code	Hour :	Min	Plan	1	2	3	4	5	6	7
2-0	:									
2-1	:				L					
2 -2	:									Г
2-3	:			L						
2-3	**									
2 -5	:									
2-6	:									Γ.
2-7	:									
2 -8				-						
2 -9										
2 -A	; "									
2 ·b	;									
2 -C	:									
2 -d										
2 ·E	:									
2-F	:					\neg	\neg	_		

	ATING HO)LIDA	YS	s	m	1	W	t	f	s
Code	Month /	Νħ	Table	1	2	3	4	5	6	7
4 -0	1									
4 -1	1									
4 -2	1									
4 • 3	1									
4 -4	1									
4 -5	1								-	
4 -6	1							-		
4 -7	1									
4 -8	1									
4 -9	/									
4 -A	1									
4 -b	1									
4 -C	/								٦	\neg
4 -d	1									
4 -E	1									
4 -F	/									

LA L	NUAL EV	ENT	S	s	m	ī	w	t	1	s
Code	Month /	Nt	Table	1	2	3	4	5	6	7
7 -0	/						П	Γ		Г
7 -1	/					_				
7 -2	1									_
7 -3	1									
7 -4	/									-
7 -5	/									
7-6	/									
7 -7	/									
7 -8	1.									
7 -9	/			\Box	\neg					
7 -A	1									
7 -b	/									
7 -C	1									~
7 ·d	7									
7 ⋅€	7				\neg					
7-F	/									

LACO-1HC - ANNUAL TABLES

WHITTIER BLVD @ MONTEBELLO BLVD	Date Prepared: 4/7/12/1/ By: MC

T.S. No.: 8452

Date Implemented: By:

	*******************************				•				
EX	CEPTION DA	YS	s	m	t	W	t	f	s
Code	Month / Day	Flag	1	2	3	4	5	6	7
8.0	01 / 01	1		X	X	X	X	X	
8 - 1	01 / 02	1		X					
8-2	07 / 04	1		X	X	X	X	X	
8.3	07 / 05	_1		X					
8-4	11 / 10	1						X	
8 - 5	11 / 11	1		X	X	X	X	X	
8 - 6	11 / 12	1		X					
8:7	12 / 24	1		X	X	X	X	X	
8-8	12 / 25	1		X	X	Х	X	X	
8-9	12 / 26	1		X				X	
8-A	1								
8-b	1						\Box		
8-C	1						\neg	\neg	
8 - d	1								
8.E			T						

	EPTION TIN	MES	Table 8 Flags						
Code	Hour : Min	Pian	1	2	3	4	5	6	7
9.0	00 : 00	E	X		Г	Г	Γ		
9-1	:					Γ			
9-2	:							Г	
9-3	:								
9.4	:					Ī			
9-5	:								
9.6	;								
9-7	:								
9.8	:								
9.9	:								
9.A	: -								
9 - b	:								
9.C	;								
9-d	:								
9-E	:			\neg	\neg			\neg	_
9.F					\neg				

NOTES ON USING TA	ABLES:
-------------------	--------

Starting from the base display [A/b], Table access is gained with a two digit Table Code. Access is verified by the flashing of both Call Light 9 and the Phase digit of the display (* No Flash if Table # & Event # match).

Five keypresses will be required followed by (E) to either the data and open the flag mode. Day of Week flags can now be set.

ADDITIONAL KEY CODES:
d-0-3=1 Search Tables
d-0-3=3 Repoil WWV Clock
d-A-F=1 Repoil WWV Clock
d-0-3=071 Save Timing to Prom Module
d-0-3=170 Download Timing Into 170
d-0-3=999 Clear All Tables
F-0-0=Phase/Dial Copy - Source
F-0-1=Phase/Dial Copy - Destination
F-0-4=Program Number (66)
d-0-8,9,A=Mo,Day,Yr of Latest Revision
E-E-0-0= Reinitialization

	_	-							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
SPECIAL FUNCTION TABLE												
Keys	strokes: F + d + Function											
			Phase Flags									
		1	2	3	4	5	6	7	8			
(Green) Calling Phases	0											
(Green) Call To Phases	1											
(Yellow) Calling Phases	2											
(Yellow) Call To Phases	3						-					
Auxiliary Ovip A Output	4	Π					<u> </u>					
Mid-Block Ped Crossing	5						쮏					
Driveway Flash	6											
Green Extension	7											
Sequential Ped	8		186									
Not Used	9	影響		鑁				13				
EV- A Clearance Phases	Α											
EV- B Clearance Phases	b											
EV- C Clearance Phases	С											
EV- D Clearance Phases	d											
Track Clerance Phases	E											
Limited Servoes Phases	F											

When Any Flagged Phase Is Green -

- Place A Locked Call To These Phases.

When Any Flagged Phase is Yellow --

- Place A Locked Call To These Phases.

"Three Color single Phase Overlap" Outputs On Auxillary File - Stot 1

Ø4P Only. Ø2 & Ø6 Reds Flash During Ø4P Clearance

Flashes The Green Outputs of The Selected Phases

Staggered Termination At Barrier Crossing

Allows Ø1, Ø3 or Ø5 Ped to output on the Ø8P Load Switch

OVERLAP GREEN OMIT	Keys	1	2	3	4	5	6	7	8
Green Omit for Overlap A	F-C-4								
Green Omit for Overlap B	F-C-5								
Green Omit for Overlap C	F-C-6				_				
Green Omit for Overlap D	F-C-7						_		

F-9-7	Coordination Free Time (Seconds) After railroad preempt
F-9-d	Green Rest Delay Time (Seconds)
d-0-1	RAILROAD ROUTINE SELECT: 0=Normal Railroad 1=Special Two Input Railroad Routine
d-0-2	MANUAL CONTROL: 0=Not Enabled 1=No Realls 2=Vehicle recalls 3=Vehicle and Ped Recalls

PHASE OMIT	Keys	1	2	3	4	5	6	7	8
Phase Omit (Observe Only)	'd-d-4	T							Π
Phase Omit for Dial 1	d-d-5	1							
Phase Omit for Dial 2	d-d-6	1							
Phase Omit for Dial 3	d-d-7								

ADDITIONAL OVERLAPS	Keys	1	2	3	4	5	6	7	8
Aux File 2 Color Overlap C	d-d-C							1	İ
Aux File 2 Color Overlap D	d-d-d							l	-
Ø7 Load Sw. 3 Color Ovrip E	d-d-E								
Green Omit for Overlap E	d-d-F								

PHASE OMIT is active when Coordination CALL function is active and the OMIT flag is set.

Overlap E will not function if the Railroad Preempt has been selected.

AAE, Inc. 1858 E. Helm Avenue, Sulte 100 Orange, CA 92865 (714) 940-0100, (714) 940-0700-fax

Intersection: Garfield Avenue @ Via Campo T.S. No.: 9511 R-1 c/o MTB

TYPE 170 PROGRAM LACO - 3

Intersection: Garfield Avenue @ Via Campo	(0)	Ş	Camp	0								Date Prepared	4/5/2010	Š	#	
T.S. No.: 9511 R-1 c/o M	13											Date Implemented:		By		
PHASE TIMING			Keys	Keystrakes: F		+ Phase + Interval	nterva		PREEMPTION			PHASE	PHASE FUNCTION FLAGS			
	-	-						-	1		T	Keystrokes:	as: F + F + Function			
702300#		-	7	77	4	9	g	7	STOKES.	Lonoi	7		1 2 3	4	9	2 8
Minimum Walk	. 0	7	٢		7			0	PVP Track Character (U, 1, 2)		D .	Phases Permitted	X X O	×		×
Contract to the second	1	0			,		T	-	RxR1 All Red			Red Lock				
resulting Doll (Wells	-	0	14		77			0	RxR2 Maximum (Minutes)		1 6	Red & Yellow Lock	z x			
Minimum Green	N	0	v		9			9	l a		,	Minimum Vehicle Recall	m			
	1					1	†	1	7		1	Pedestrian Recall + Rest in Walk	Walk 4		_	
Queue Maximum	m	20	52		30			0	EV - A Delay		n c	Green Rest (Set Delay F-0-8)	-8) 5 X		_	
Topic and the state of the stat	-	0	0				+	3	7		0 1	Red Rest (Set Delay F-0-7)	÷7) 6			
HOREMON MARIE DANNE	7	0.0	0.0		0.0			0.0	-		,	Semi Traffic Actuated Mode				
Vehicle Extension	'n	4.0	4.0		4.0		-	3.0	-		00	Double Entry	00	×	F	×
	_					1	\dagger	+	-		on I	Maximum Vehicle Recall	o			
Maximum Gap	ø	2.0	5.0		2.0			3.0	EV - C Clearance		4	Restricted Phases	4		F	Г
CFO Billion	1	.0	0		0		T	0	T		۵	Protected/Permissive Left Turn	d man		F	Г
	-	2	2.0		0.0			 	EV - D Clearance		v	Barrier Recall	O	-	F	Т
Max Extension 1 (Free)	ω	30	30		14			14	î		ס	First Phases After Start Up		F	I	T
	_	_	1	T	T	\dagger	\dagger	+			ш	Yellow Start Up	Ж		-	Т
Max Extension 2 (Coord)	σı	9	130		ဓ္က			8	RxR Delay/Clear/Mark Timer		ш.	Overlap Yellow Start Up:	A A P C	Ш	墨山	
	톭	OMP	OWPOWIP	P P	d IVO	OVI P	d IVO		EV AFTER ROR PREEMPTION	NOL		The state of the s	>	1		
		A	0	U	۵	ш	L		EV Type Select	F-Co	Γ	(raiche must bu renow se	-	-		2
Ovlp Green Extension	4	_				_	100		Select: EV - A Enter 16		1	LAG PHASE FLAGS	1 2 3	4 5	2 9	œ
	+	†	7	1		1			EV - B Enter 32			Lag Free	X 0-1-P	×	×	×
Ovlp Yellow Clearance	Ω	0,4	4.0						EV - C Enter 64			Lag Dial 1	4-F-1 X	×	ж	×
	1	u	u	T	T				EV - D Enter 128			Lag Dial 2	d-F-2	×	×	×
	_	-	3						Keystrokes: F + d + Function	thon	Γ	Lag Dial 3	X 8-4-P	×	×	×
Reduce 0.1 Sec. Every	ס	1.5	1.5		10			0.0	EV After RxR Delay		~	PEDESTRIAN PHASES	SES 1 2 3	4	6 7	00
	_			7	1		+	7	EV After RxR Clearance		œ	2 Ped Load Switch	d-F-4			
		D. 4.	5.		5		\neg	2	EV After RxR Maximum		6	4 Ped Load Switch	d-F-5	×		
Red Clearance	L	0.5	0.5		S			, S	PREEMPTION PHASES	S	Г	6 Ped Load Switch	9-4-P	-		Т
	+	+	1	7	4-		1		Keystrokes: F + d + Function	Hon	T	8 Ped Load Switch	Y 2-3-P	-		7
red rest Delay		0	Remarks:	اق	. <	1.		0.7	1 2 3	234567	8 2	Dhaen	-	-	1	Г
Green Rest Dolay F-0-8	φ	0	10=4-10	100	5	•					П	North North	N I	4	190	=
	+	T	OL-8-Ø2	95					EV-8		_					=
Max Added Green	щ	0		l								1 1	↑ I		*	_ (
Revert	1	0							EV-D 3		4	17 17 5	2	60	1	
		?									7	L.				
									RR2 Ltd Service 5	_				1	>	1
									RR1 Exit Phase 6							_
														1	1	1

LACO-3 DETECTOR ASSIGNMENTS

Page 2 of 6

1858 E. Helm Avenue, Suite 100 Orange, CA 92865

(714	940-0100,	(714) 940-0700-fax																			
Inte	ersection	n: <u>Garfield Avenue</u>	⊕ Viα Cα	mpo			D	ate P	rep	are	edi	;	•	4,	/5/10		E	Зу:			
T.S	. No.:	9511 R-1 c/o MTB					Dat	e Impi	eme	ente	d:						E	Зу:			
רסא		ALL Blank Data Fields are		De	tector Tim	Ing				tanian e	-	De	tecto	r A	selgnme	ints		-		-	naThiotop
	set to Z	ERO or CLEARED.	File-Slot-	1	Delay	T	nded Call		Pł	iase	FI				T	Attr	enterthicked	a Fi	ans	4,44,41	-
App	Lanes	Description	Channel		Seconds	Code		Code	Ti	2	3	4 5	a	7 R	Code	14	2	3 4	[5]	8 -	7
N	1	ADVANCE	1 110	1	-		1				Ť	+	计	+		╁	7	+	H	Ť	+
			I1L	d10		430	2,0	db0						1	dd0		-				
5	1	ADVANCE	I2U	d11		d31	2.0	db1	1"	X	+	十	\sqcap	┪	dd1	${\sf H}$	+	+	H	十	\dagger
5	2	ADVANCE	I2L	d12	5	d32	2.0	db2		X	十	┪	TT	\top	dd2	††	+	1	H	+	\dagger
5	RT	FIRST VEH 6'X25'*	2 I3U	d13	10	d33		db3	\top	X	1	T	<u>††</u>	十	dd3	† †		\top	H	十	†
			13L	d14		d34		db4	\Box	3	1	T	TT	+	dd4	T	\top	+		+	t
5	1	QUEUE CL 6'X25'*	2 I4U	HAR		.00	20		\sqcap	×	Ť	1-	11			Ħ	十	\top		+	十
S	2,3	QUEUE al 6'X25'*	2 I4L	d15		d35	2.0	db5							dd5	[]	ı	1	X		
			15U	d16		700			\Box		1	T	\sqcap	1		11	十	1	一	\top	十
			15L	410		d36		db6						1	dd6	Н					
W	1	ADVANCE	4 I6U	d17		d37	2.0	db7	\Box		3	d		T	dd7	什	十	\forall	\sqcap	十	+
W	2	ADVANCE	4 16L	d18		d38	2.0	db8	\sqcap	\top	2	4	H	T	dd8	$\dagger \dagger$	\dagger		H	┪	t
W	1,2	QUEUE CL 6'X25'*	4 17U	d19		d39	2,0	db9	\Box	7	Þ	1	\sqcap		dd9	忕	十	1-1	x	+	T
W	RT	FIRST VEH 6'X25'*	8 17L	d1A	10	d3A		dbA	\Box				\sqcap	X	Abb	H	十	\forall		\top	t
W	LT	6'X50'*	8 18U	d1b		436		416.6	П	\top			11	1.		$\dagger \uparrow$	T	1.1	\sqcap	\top	T
			181.	. 410		d3b		ddb						X	ddb				H		
N	N 2 ADVANCE 1 19U d1C d3C 2,0 dbC																T				
<u> </u>	19L d1d d3d dbd ddd														1	T					
	***************************************		J1U_						П	T	T	188		T		Ħ	T	T	〒		Ť
	I9L d1d d3d dbd ddd ddd																				
			J2U	d21		d41		dC1	T	十	T	1-33	XX	+1	dE1	H	+	+	+	+	╁
			J2L ·	d22		d42		dC2	H	+	+	Н		+	dE2	- -	+-	+	+	+	╁
			J3U	d23		d43		dC3	\Box	十	十	T			dE3	\vdash		+	+	+	十
			J3L	d24	***************************************	d44		dC4	H	+	十	\vdash	% †	H	dE4	\vdash	+	+	+	+	+
7	LT-1	QUEUE CL 6'X25'*	1 J4U						1 1	+	+-	\vdash	-	+		H	╁	╆╅	+	+	\vdash
N	LT-2/1,2	QUEUE CL 6'X25'*	1 J4L	d25		d45	2.0	dC5	×			П			dE5				X		
		·	J5U	100					††		\dagger	Н	***	+		廾	+	H	-	-	┢
			J5L	d26		d46		dC6		l					dE6	11					
E	LT	6'X25'*	8 J6U	d27		d47		dC7	\Box	十	T	Н	-	X	dE7	ΠŤ	+	$\dagger \dagger$	+	+	1
E	RT	FIRST VEH 6'X25'*	8 J6L	d28	10	d48		dC8	\Box	+	†	П	1	X	dE8		十	\Box	+	+	一
			J7U	d29		d49		d¢9	11	+	T	П		M	dE9	一十	十	H	十	十	H
			J7L	d2A		d4A		dÇA	П	T	T				dEA	十	\top	П	十	十	一
			JBU	d2b		-141.			ŀ	\top	1			闣		\sqcap	十	H	十		
			JBL	020		d4b		dCb							dEb		i	П	-		
			J9U	d2C		d4C		qCC.	\Box	1	⇈		\top	۳	dEC		1	H	. †	十	Г
			J9L	d2d		d4d		dCd	\Box	1	T		░	1	dEd	十	+	H	_	\top	一
Remo	orks: * = VI	DEO DETECTION		W. W	I		***************************************	1	ET	FOT	OR	AT	TRIE	IIIT	FS		-	للــــــــــــــــــــــــــــــــــــ			=
						FLAG 1	- Red Lock			1000					- Queце	Cle	arin	o			
						FLAG 2	- Red & Yel	low Loc					FLA	36	Non-G	ount	ling				_
							- Yellow Di - Red Callir		cŧ			_	FLA	37	Spacia	1 De	lay	Opt	ion		_
<u> </u>	2-7-110-14-1-1-100-100-100-100-100-100-100-		DECLAL DE	TPAYA-				ıy.					rLA	. ال في	Specia	I Ŋ6	-	-			
		All options: D	PECIAL DE	IEUIU)	CDELAY AS	tor pha	ENIS	*******							Code	41.		Pha			<u> </u>
		opasia: D		. Julia U	munity dated	roi hiigi	ae youluw,							- 1	Code	71 7	4 3	1 4 I	01 f	a) []	ď

Special Delay Option 1 (Attribute Bit 7) - Bypasses delay while flagged phase(s) are timing. d-d-E Special Delay Option 2 (Attribute Bit 8) - Bypasses delay while flagged phase(s) are timing.

Special Delay Option 3 (Attribute Bits 7 & 8) - Bypasses delay when other phase in same quadrant IS NOT Green (1:2) (3:4) (5:6) (7:8).

Example: Phase 1 Detector delay will be overridden while Phase 2 is Yellow or Red.

LACO-3 COORDINATION

Page 3 of 6

1858 E. Helm Avenue, Suite 100 Orange, CA 92865 (714) 940-0100, (714) 940-0700-fax

Intersection:	Garfield Avenue @ Via Campo			T.S. No.:	इद्या कि १३११६६	ı
System Limits:	Pomona Boulevard to Via Campo					
Remote Master:	wwv	Date Prepared:	4/5/10	By:	jth	
Svatem N	lp.;	Date Implemented:		By:		

	TIME OF D	AY OPERATION SUMMARY	
	Dial 1	Dial 2	Dial 3 / Offset Timing
Offset 1	ALL OTHER TIMES	0600-0900 M-F	1600-1900 M-F
Offset 2			
Offset 3			
Free	2	100-0600 M-F, 1930-0800 M-	F
Special			

REMARKS:

- Set Local Manual to 14 (Free) before setting or changing dial intervals or functions. Setting either of the manuals to zero will release that Manual.

Local Manual C-0-1
11 = Slave Mode
12 = Offset Timing Mode
14 = Free Operation
Observe Locations:
Calls d-F-C
Hold d-F-d
Ped Restrict d-F-E
Force Off d-F-F
Local Cycle Timer
w/Field Calls C-0-b

d - 0 - d System Sync Width 2.0 Seconds

d - 0 - E Sot Maximum Width 4.0 Seconds

d - 0 - F Set Minimum Width 1,0 Seconds

Keystrokes: C + Column + Row			NTERVAL n Second			DU	AL 1		· · · · ·		N FLAGS		1	D)	AL 3		7
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LACO-3 SPECIAL FUNCTIONS

Page 4 of 6

T.S. No.: 9	n: <u>G</u> e 9511 R-1				eni	ie (<u> </u>	∕ia	Ca	mpc	<u> </u>										Date Pi Date Imple	repared: mented:	_				B	/; /:	jtł
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LACO-3 EVENT TABLES

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AAE, Inc. 1858 E. Heim Avenue, Sulto 100 Orange, CA 92865 (714) 940-0100, (714) 940-0700-fa

Intersection: Garfield Avenue @ Via Campo Date Prepared: 4/5/10 By: jth T.S. No.: 9511 R-1 c/o MTB Date Implemented: Ву:____

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1-b		1					-		_	-		Table 6
1-C		:				-	-	_	_	-	-1	C = Co
1-d		ï	***********			П	П				ᅱ	N th = T
1-E	~~~~~	;					-				\dashv	(1-5, 9
1-F		;									\exists	i.e

		-							
Plan	# Plan	Numi	per	Keys:					
0/0	D1	D2	<u>D3</u>	0 = No Days					
01=	11 = 1 2 3 8 = All Days								
02 ≃	4	5	6	9 = Week Days					
03 =	7	8	9						
Piens:									
A = Prot	ected/	Permi	isho A	rrows (F-F-b) Disabled.					
b = Slave Mode (4 Wire / 7 Wire Input)									
C ≒ Offs	C = Offset Timing Mode								
d = T.O.	D. Out	put (O	elector	Reset Line) "ON".					
E = Fun	ction 6								
F = Res	el Plan	3 A &	d.						
Table 6:									
C = Con	tinue ti	he Flo	ating H	ioliday by C (0-9) days.					
N ^h = The number of the occurrence in the month.									
	(1-5, 9 = Always the last occurrence in the month.) i. e. Thanksgiving = 11/1/4 (lable) flag Thursday continues one extra day.								

FL	В	m	ŧ	w	t	1	5				
Code	Month /	C /	N*	Table	1	2	3	4	6	₿	7
6-0	01.7	0 1	3	1		X					
6-1	02 /	0 /	3	1		Х					
6-2	05 /	0 1	9	i		х			-		
6-3	09 /	0 1	ī	1		х				-	
6-4	11 /	1/	4	1					x		
6-5	1	1									
6-6	1	1									
6-7	1	1									
6-8	1	1									
6-9	1	1									Π
6-A	1	1									
6-b	1	1									
8-Ç	1	1									
6-d	ì	1									
6-E	1	1								·	
6-F	1	1									

	TABLE	2		8	m	t	w	ŧ	7	8
Code	Hour :	Min	Plan	1	2	3	4	5	6	7
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2-2	1								-	Г
2-3	t									Г
2-4	ì			_						Г
2-5	1				Г				٦.	
2-6	:		~~~							Г
2-7	;								-	
2-8	;									
2-9	;									Г
2-A	:									Г
2-b	:									
2-C	:								-	
2-d	;									
2-E	1									Г
2-F	- 1				_			·	Г	Г

	TABLE	<u> 4</u>		8	m	t	w	1	t	15
Code	Hour :	Min	Plen	1	2	3	4	5	В	7
4-0	;			Γ						
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4-2	1									
4-3	:									
4-4	;									
4-5	1				Г					
4-6	1									
4-7	1			Г						
4-8	1									
4.9	1									
4A	:			Г						
4-b	:					Г				
4-C	:								. :	
4-d	;									
4-E	1									_
4-F	;									

E	XCEPT	Ю	N DAY	3	3	m	t	W	t	i	6
Code	Month	1	Day	Table	1	2	3	4	6	8	7
7-0	01	1	01	1		X	X	X	х	х	Г
7-1	01	1	02	1		Х					
7-2	07	I	04	1		X	х	X	X	Х	
7-3	07	1	05	1		Х					
7-4	11	1	10	1						X	
7-5	11	1	11	1		Х	Х	Х	Х	Х	
7-6	11	1	12	1		Х					
7-7	12	1	24	1		х	х	X	X	X	Γ
7-8	12	ī	25	1		X	X	X	Х	Х	
7-9	12	1	26	1	Г	х				Х	
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7-E		1									
7-F		1									

1858 E. Heim Avenue, Sulte 100 Orange, CA 92865 (714) 940-0100, (714) 940-0700-fax

Intersection: Garfield Avenue @ Via Campo

T.S. No.: 9511 R-1 c/o MTB

	·										 Date Prepared:	4/5/10	By:_jth
											Date Implemented:		By:
A	NNUAL E	VENT	S	s	m	t	w	t	f	8	NOTES ON USING TABLE		
Code	Month /	Day	Table	1	2	3	4	5	6	7	Starting from the base dis gained with two digit Table		
9-0	1			Г						Γ	the flashing of Call Light 9		33 12 101/1100 13

	NNUAL E		S	8	m	t	w	t	f	8
Code	Month /	Day	Table	1	2	3	4	5	6	7
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lipales:										
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		NNUAL E			s	m	t	w	t	f	8
	Code	Month /	Day	Table	1	2	3	4	5	6	7
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]	9-1	1							Г		
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٦	9-C	- 1									
П	9-d	1									
7	9-E	1			-						
	9.F	1									

PFSETS		
es: F + 9 +	CODE	
Dial 1	1	87
Dial 2	2	0
Dial 3	3	0
Dial 1	4	
Dial 2	5	
Dial 3	6	
Dial 1	7	
Dial 2	8	
Dial 3	9	· · · · · · · · · · · · · · · · · · ·
	es: F + 9 + Dial 1 Dial 2 Dial 3 Dial 1 Dial 2 Dial 3 Dial 1 Dial 2 Dial 3	es: F+9+ CODE Dial 1

COMMUNICAT	TONS ASSIGN	MENTS
Keystrokes	d+0+ FUNC	пом
PORT 1	7	· 1
PORT 2	8	
PORT 3	9	
PORT 4	Α	

0 = Off

1 = WWV Radio Receiver

2 = ML2 Protocol - Goord OUT Only

4 = ML2 Protocol - Coord IN & OUT

7 = ML2 Protocol - Coord IN Only

8 = Remote Monitoring (Future)

12 = Sends Time/Date String Out of Modem

17 = Receives Time/Date String from Modem

L	
ADDITIONAL KEY CODE A.C = Clock Display A.D = Date Display	9

d-0-0 = 1 Force Repoll of WWV Receiver d-0-1 = Hour of Last Repoll d-0-2 = Minute of Last Repoll d-0-3 = Second of Last Repoll d-0-4 = Month of Last Repoll d-0-5 = Day of Last Repoll

Five key presses will be required followed by [E] to enter the data and open the flag mode. Day of Week flags can now be set.

d-0-6 = Year of Last Repoli

OBSERVE ONLY:
E-3-8 = Ring A Max Timer
E-4-8 = Ring B Max Timer
E-6-3 = 4 T.O.D. Output
E-6-3 = 5 Offset Timing Mode
E-6-3 = 6 Slave Mode
E-6-3 = 7 Maximum Extension 2 (Coord)
E-6-3 = 8 Arrows Disabled

F-0-0 = Phase / Dial Copy - Source
Phase (1-8) Dial (11-13)
F-0-1 = Phase / Dial Copy - Destination
Phase (1-8) Dial (11-13)
F-0-2 = Table/Dial Insert/Delete - Target
Table (0-9) Table (1=10) Dial (11-13)
F-0-3 = Table/Dial Insert/Delete - Interval
Insert 1-16 Delete 101-116
F-0-4 = Program Number

F-0-4 = Program Number F-0-5 = Version Number

F-0-A = 1 Searches Annual Event Tables.
F-0-A = 071 Save Timing to Prom Module.
F-0-A = 170 Download Timing into 170.
F-0-A = 777 Reinitialization from NOVRAM.
F-0-A = 888 Reinitialization from EPROM.
F-0-A = 999 Clears All Tables and Loads
Default Holiday Events.

DEPARTMENT OF PUBLIC WORKS TRAFFIC & LIGHTING DIVISION TRAFFIC SIGNAL TIMING LOS ANGELES COUNTY

LACO - 1R WWW - TIME - BASED

Page 1 of 7

TYPE 170 PROGRAM

Garfield Avenue @ Beverly Boulevard

Intersection:

T.S. No.:

8561 (c/o Montebello)

Date Prepared:

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By:	ı
elemented:	
Date Imp	

PHASE TIMING		ᇫ	systro	kes:	4 P	lase +	Keystrokes: F + Phase + Interval	val		PREEMPTION	Z		PHASE FUNCTION FLAGS	UNCTION	II.	AGS			
Phase #		4	2	8	4	5	9	2	œ	Keystrokes: F+E+Function	nction		Keystok	Keystokes: F+F+Function	ınctio	Ľ			
Minimum Wolf	0		13	0	12	5	5413	0	13	4 0) trains 00	0				1 2	3 4	ιΩ	6 7	8
Alban Ilbining	1		1	1		2	\	1					Phases Permitted	0	×	×		×	×
Flashing Don't Walk	g-1		13	0	28.		23	0	ß	Track Clearance	4-		Red Lock	7				-	
	7		œ	4.	O		_∞	4	0	0	2		Red & Yellow Lock	2	×	×		×	×
willingin Green	1	1	1	1		T		1	T	אא אפם			MinImum Vehicle Recall	8		×	_		×
Queue Maximum	m		22	0	52		22	0	22	RR2 Maximum(Minutes)	w		Pedestrian Recall + Rest in Walk	4		_		_	
Added Green/Actuation	4		0.0	0.0	0.0		0.0	0.0	0.0	Major A-VE	4		Pedestrian Phases	2	×	×		×	×
	14		C	C II	0		0	C C	0	127 2019	L		Rest in Red	φ	-	+		+	
Vehicle Extension	0		0.0	6.5	0.0		<u>,</u>	6.5	0.0	EV-A Clearance	C		Semi Traffic Actuated Mode	2		_	_	_	
Maximum Gap	ဖ		4.0	2.5	4.0		4.0	2.5	4.0	EV-B Delay	9		Double Entry	80	×			×	
	1	T	1	1	1	T	1	1	T	(200	1	Max	Maximum Vehicle Recall	ത	_		_		
Minimum Gap	2		2.0	2.5	2.0		2.0	2.5	2.0	EV-B Clearance	7	ð	Overlap A	A					
County of county of County	œ		20	20	23		20	8	20		00		Overlap B	Ω				_	
inda Extension I (Flee)	1	T			1	T		-	T	EA-C Delay	1		Barrler Recall	Ö				_	
Max Extension 2 (Coord)	ത		ည်	2	110		വ	8	110	EV-C Clearance	ത		Rest in Green	T				_	
Offset 1	A	Diai 1	2 lei 2 89	S leid		77				EV.n Delay	A		Yellow Start Up	ш	×	H		×	
		T	3	T							1		Protected/Permissive Left Turn	ш.	-	×		×	
Offset 2	3									EV-D Clearance	3								
Offset 3	ပ									EV Maximum (Seconds)	O	L	LAG PHASE FLAGS		1 2	4	ru.	6 7	00
Reduce 0.1 Sec. Every	ō		1.0	0.0	1.0		1.0	0.0	1.0	Delay Timer	P	1-1	ag Free	d-F-0	-	-		-	-
Yellow	ш	43	0.4	3.0	4.5	403	0.0	3.0	£.5	Clerance Timer	П	Ĭ,	ag Dial 1	d-F-1	×	×		×	×
	Ιī		10	0	10		10	C	0		TI WELL	ĕ).	ag Dial 2	d-F-2	× ;	×		× ;	X :
Red Clearance			-1				•	-1		Maximum Timer		La	Lag Dial 3	Q-F-3	X	×		X	X
Max Added Green F.	F-0-E	0	Remarks:	arks:								L- 2	True Phase 1	2	-	8	4		_
Red Revert F.	F-0-F	2.0	*	PROT	ECTE	D/PE	★= PROTECTED/PERMISSIVE LEFT TURN	SIVE	EFT	TURN			+			K			1.

LAG PHASE FLAGS 1 2 3 4 5 6 7 8	X X X X 0-4-P	d-F-1 X X X X	d-F-2 X X X X	d-F-3 X X X X	Phase 1 2 3 4]	8 2	**
LAGE	Lag Free	Lag Dial 1	Lag Dial 2	Lag Dial 3	True R North		1	6

LACO-1R WWV

DETECTOR ASSIGNMENTS

T.S.: B501 (c/o Montebello) Intersection: Garfield Avenue @ Beverly Boulevard Date Prepared: 5-2-13 //CH By: //A

App	Photos				recent the second		P				no y livery and a		geometric contraction		
App Lane Description Chamele Code Seconds Code Seconds Description Code Code Seconds Code Seconds Code Seconds Code Seconds Code Code Seconds Code Code Code Seconds Code Co					_	.		1. 1 4 4				~4	Queue	e Cle	gnira
App Lane								T			1	_	 -	,	<u> </u>
M	App	Lanes	Description	CHOINE	Code	Seconds	Code	Seconds		Code	Lite	On	Code	Lite	On
M	<u></u>			1110	d10		430			de4			HEC		
W 2	<u></u>			111 L	2,0		000			uru	'		ura	'	
W 1,2 QUEUE CL 213U d13 d13 d13 d13 d13 d13 d14 d15 d14 d15 d14 d15				212U	d11		d31	1.0		dF4	2		dF8	2	
W RT FIRST VEHICLE 2 3L d1d 10 d3d				212L	d12		d32	1.0		dF4	3		dF8	3	
N	-	1,2	<u> </u>	213U	d13		d33	2,0		dF4	4		dF8	4	X
S		RT	FIRST VEHICLE	213L	d14	10	d34		and the second s	dF4	5		dF8	5	
S	W	LT	HOLDING 3-6'X6'	214U	446		doe		Call Ø 1 2 3 4 5 6 7 8	dF4	â	U	dF8		
N	<u> </u>			214L.	นเอ		นออ		dd8 X	dF4	8	X	dF8	6	
N	5	LT	QUEUE LENGTH	315U	44.0	E	400		6'X25'	dF4		_	dF8		
N 2 ADVANCE 48L 418 418 438 1,5 5 5 47 8 465 1 467 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 1 478 478 1 478				315L	410	J	ase			dF4	7		dF8	7	
N LT 2-6'X6' 4 17U d19 d39 39 30 30 30 30 30 30				416U	d17		d37	1.5	The state of the s	dF4	8		dF8	8	
N 1 QUEUE CL 2-6'X6' 488U 419L 4110 43A			ADVANCE	, 416L	d18		d38	1,5		dF6	1		dF9	1	
N 1 QUEUE CL 2-6'X6' 418U N 2 QUEUE CL (2) 2-6'X6' 418L N 2 QUEUE CL (2) 2-6'X6' 418L N 2 QUEUE CL (2) 2-6'X6' 418L N 2 QUEUE CL (2) 2-6'X6' 418L N 2 QUEUE CL (2) 2-6'X6' 418L N 2 N 3 P 3 P 3 P 3 P 3 P 3 P 3 P 3 P 3 P 3	7	LT	2-6'X6'	417U	d19		d39			dF5	2		dF9	2	
N 2 QUEUE CL (2) 2-6'X6' 4 BL 1 BL				417L	d1A		d3A			dF5	3		dF9	3	
N 2 Cycle CL (2) 2-6'X6' 4 4 4 4 4 4 4 4 4	Ν	1	QUEUE CL 2-6'X6'	418U	aid la		41AL	2.0	Call 6 1 2 3 4 5 6 7 8	dF5			dF9		
Second Signature Signatu	Ν	2	ØNENE CF (S) 5-9,X9.	418L	uib		uan	2.0	dd9 X	dF5	4		dF9	4	Х
Solid Soli				119U	d1C		d3c			dF6	5		dF9	5	1
Barrian		affirmation and the same of th		3191.	d1d		d3d			dF5	6		dF9	6	_
E 1 ADVANCE 6J2U d21 d41 1.0 6J2U d22 d42 1.0 6J2U d23 d43 2.0 6J2U d24 d25 d44 d45 d25 d46 d25 d46 d26 d47 d47 d47 d47 d47 d47 d47 d47 d47 d47 d48				5J1U	400		-140			dF6			dFA		
E 2 ADVANCE 6J2L d22				5J1L	020		040			dF6	1		dFA	1	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	8 I		ADVANCE	6J2U	d21		d41	1.0	Non-activities	dF6	2		dFA	2	
E RT FIRST VEHICLE 6J3L d24 10 d44 E LT HOLDING 3-6'X6' 6J4U d25			ADVANCE	6J2L	d22	-	d42	1.0		dF6	3		dFA		-
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		1,2	QUEUE CL	6J3U	d23		d43	2,0	· · · · · · · · · · · · · · · · · · ·	dF6	4	\dashv	dFA	4	귌
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	E	RT	FIRST VEHICLE	BJ3L	d24	10	d44		* *** ********************************	dF6	5		dFA		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	E	LT	HOLDING 3-6'X6'	6J4U	anr.		445		Call 0 1 2 3 4 5 6 7 8	dF6			dFA		\dashv
Table Continue C				6J4L	dz5		045		ddA X	dF6	6	×		6	- Constitution of the Cons
S 1 ADVANCE 8J8U d27 d47 1.5 dF6 8 dFA 8	N	LT	QUEUE LENGTH	7J5U	400	E			6'X25'	dF8			dFA	\exists	_
5 2 ADVANCE BJBL d28 d48 1.5				7J5L	u26	p	045	1		dF6	7	l	dFA	7	I
S LT 2-6'X6' 8J7U d29 d49 d49 d47 d67 2 d66 2 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 3 d67 4 d67 d67 d67 d67 d67 d67 d67 d67 d67 d67	5	1	ADVANCE	8J6U	d27		d47	1.5		dF6	8	_	dFA	8	_
S 1 QUEUE CL 2-6'X6' BJBL d2A d4A d4B 2.0 d4B 2.0 d4B	5	2		8J8L	d28		d48	1.5		dF7	1		dFb	1	
5 1 QUEUE CL 2-6'X6' BJBU d2b d4b 2.0 Call 0 1 2 3 4 5 6 7 8 dF7 4 dFb dFb 5 2 QUEUE CL 2-6'X6' BJBL d4c d4c d4c d4c d4c d4c d4c d4c d4c d4c	5	LT	2-6'X6'	8J7U	d29		d49			dF7	2		dFb	2	
5 2 QUEUE CL 2-6'X6' 8J8L d2b d4b 2.0 ddb X df7 4 dfb 4 X df7 5 dfb 5				8J7L	d2A		d4A			dF7	3		dFb	3	-
S 2 QUEUE CL 2-6'X6' 8J8L 02b d4b 2.0 ddb X df7 4 dfb 4 X 5J9U d2C d4C d67 5 dfb 5	5	1	QUEUE CL 2-6'X6'	BJBU	۱,۰۰	-			Call 03 1 2 3 4 5 6 7 8	dF7	-	\neg	dFb		
5J9U d2C d4C dF7 5 dFb 5	5	2	QUEUE CL 2-6'X6'	18L8	QZD		d4b	2.0	ddp	dF7	4	ŀ		4	X
				5J9U	d2C		d4C			dF7	5	\neg		5	-
1 47, 1 0 1 1 01 1 01 1 01 1			***	7J9L	d2d		d4d			dF7	6		dFb	6	

			W D K RI				T	
			С	all L	.igh	ts		
Code	1	2	3	4	5	6	7	8
dF4						X		
dF5								N.A.
dF6						X		
dF7							1000	

Remarks:

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ฉบ	EUE	CLI	EAR	ING	DE	TE	CTO	R
 	Q	UIC	(RE	FEI	REN	CE		
			C	all L	igh	ts		
Code	1	2	3	4	5	6	7	8
dF8				Х				
dF9				Х		Г	33	(5) 2 (5) 2 (7) 3 (7) 4
dFA				X				
dFb				X			100	

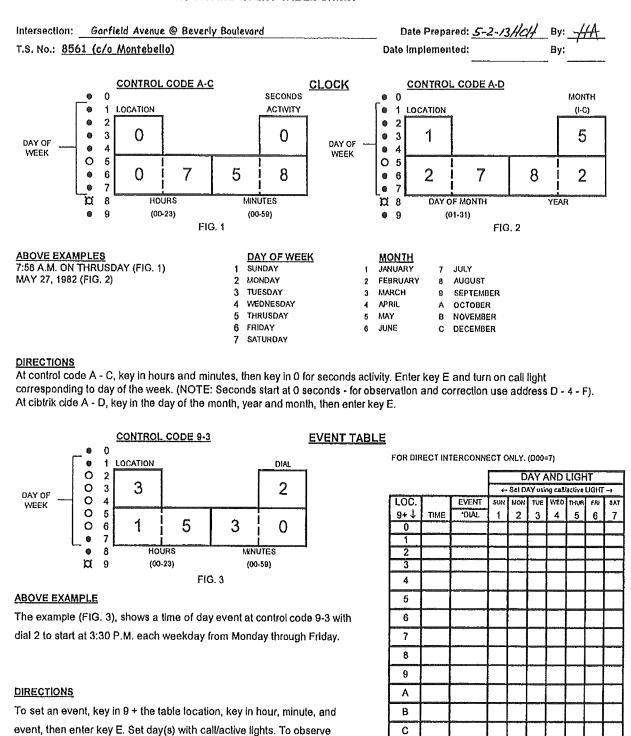
T.S. No. :	B361 (r/o Honiebelo)	Intersection: Gar	field Avenue @ Beverly Bo	pulevard		
System L	imits:	VIA ACOSTA TO OLY	YMPIC BOULEVARD			
Remote M	laster:	wwv		Date Prepared: 5-	2-13 Held By: -	M
				Date Implemented:	By:	
		TIME OF E	DAY OPERATION SUMMAR	Y	* Set Local Manual to 14 (fre before setting or changing o	lai
	T	Dial 1	Dial 2	Dial 3 / Offset Timing	Intervals & functions. Settine either of the Manuals to 0 w	
Offset 1	1	- Hardway - Article - Arti	0600-0900 M~F	1500-2000 M-F	release that Manual.	111
Offset 2					Offset Timing Mode: A 12 at C-0-1 or by T.O.D en	ahles
Offset 3					this mode and uses the Dia	
Free	Al	L OTHER TIMES			Intervals and Functions.	
Special				_	Observe:	
INT	ERCONN	ECT SELECT			Call	d-F-C
			<u>Remarks</u> :		Hold Ped Restrict	d-F-d
d-0-0 [-	ave [X 170 = Master			Force - Off	d-F-F
		h 4.0 Seconds			Cycle with Field Calls	C-0-b
d-0-F Set Min	ilwam Mign	h 1.0 Seconds	J		Master Sync Pulse Width	d-0∙d
Keystroke	5;	INTERVALS		FUNCTION FLAGS		
C + Colum	n + Row	(in seconds)	DIAL 1	DIAL 2	DIAL 3 / OFFSET TIMING	_
A						

Keystrokes: C + Column + Row			TERVA						F		N FLAG	S					1
Coordination	1	(II	ı second	18)		DIA	\L 1	one and a sold and the sold and		DI	4L 2	Digital de la companya de la company		3/OF	SETTI	MING	
Parameters		Dial 1	Dial 2	Dial 3	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Rstrict	Call	Force Off	Hold	Ped Retrict	Call	L
0	Int	1	2	3	4	5	6	7	8	9	А	b	С	d	E	F	ln
System Manual* O	0		100	100					4,8				4,8				0
Local Manual*	1		1	1					-,-				-,-				1
),((pia piu),	2		6	6							2,6				2,6		2
Currat0)[[]	3		28	28						4,8	2,6			4,8	2,6		3
Painter Djopper(2)	4		42	42					2,6	4,8	,-		2,6	4,8	-,-		4
alinexedel affine	5		43	43		-			=,=	4,8			-,-	4,8			5
Function 6 14	6		55	55					3,7	4,8	·		3,7	4,8			6
Curron cours	7		56	56					-,-	4,8			٠,-	4,8			7
Minimum Cycle O	8		60	60						4,8	4			4,8	4		8
Maximum Cycle 255	9		64	64						4,8	4,8			4,8	4,8		9
a renedamen.	Α		78	68						-,-	4,8			- , -	4,8		A
(Leastining)	b	4	100	100		1-000h000g4-b					-,-				-,-		b
iji ener Kumanojiji	С																c
Current Offsets	d																d
(Last Master Cycle')	E					,											E
Last Local Cycle	F																F

LACO-1R WWV TIME BASE UNIT

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CLOCK AND EVENT TABLE SHEET



current event use address C - 0 - 5. (NOTE: These time of day events

are local - not system events.)

REMARKS:

* DIAL 1 = 1, 2 = 2, 3 = 3, FREE = E, OFF = 0. (NOTE: At C - 0 - 5, Free = 14)

D

E

(NOTE: At C - 0 - 5, Free = 14)

OFFSET TIMING = C T.O.D. FLASH=F

2 -d

2 -E

2 -F

;

1

7

7 ·C

7 -d

7 -E

7 -F

Intersection: Garfield Avenue @ Beverly Boulevard Date Prepared: 5-2-13 HCH By: #A T.S. No.: 8561 (c/o Montebello) Date Implemented: Ву: TABLE 0 - DEFAULT | s m t w t f s TABLE 3
 VENTS
 s
 m
 t
 w
 t
 f
 s

 N°
 Yable
 1
 2
 3
 4
 5
 6
 7
 s m t w t f s ANNUAL EVENTS Code Hour: Min Plan 1 2 3 4 5 6 7 0 0 00 : OO E X X X X X X X Code Rour : Min Plan 1 1 2 3 4 Code Hour : Min Plan 5 6 7 Code Month / 3 -0 5 -0 2 XXXXX 0 -1 06 : 00 3 -1 7 5 -1 0 -2 09 : 00 E 3 -2 : 5 -2 0 -3 | 15 : 00 3 3 -3 : 5 -3 20 : 00 XXXXX E 0 -4 3 -4 5 -4 1 3 -5 5 -5 1 0 -6 3 -6 5 -6 0 -7 3 -7 5 -7 0 -8 3 -8 5 -8 0 -9 : 3 -9 5 -9 0 -A 1 3 -A 5 -A 0 -b : 3 -b 5 -b 0 -C ; 3 -C 5 -C 0 -d 3 -d : 5 -d 0 -E ; 3 -E 5 -E 0 -F 3 -F 5 -F TABLE 1 s m t w t f s Plan = Plan Number ANNUAL EVENTS S M t W t

Code Month / Nth Table 1 2 3 4 5 1 2 3 4 5 6 7 X X X X X Code Hour : Min Plan D1 D2 D3 6 7 00 : 00 E 01 = 1 2 36 -0 1 -1 $02 = 4 \ 5 \ 6$ 6 -1 1 -2 O3 = 7 86 -2 7 1 -3 6 -3 Plans: Keys: 1 -4 6 -4 1 A = Arrows On 0 = No Days 1 -5 6 -5 7 d = Arrows Off 8 = All Days 1 -6 6 -6 C = Offset Timing 9 = Weekdays 1 1 -7 E = Function 6 6 -7 1 F = Flash 1 -8 6 -8 1 -9 ; 6 -9 Table #4, Nth = The number of the 1 -A ŧ 6 -A occurrence in the month (1-5). 99 = Always 1 -b : 6 -b the last occurance in the month. 1 -C 7 6 -C 1 -d I.E. Thanksgiving = 11/04 [Table] and 6 -d 7 1 -E Thursday. 6 -E 1 1 -F 6 -F TABLE 2 s m t w t f s FLOATING HOLIDAYS S M t W t [s ANNUAL EVENTS s m t w t Code Hour : Min Plan 1 2 3 4 5 6 7 Code Month / Nh Table 1 2 N^h Table 1 2 3 4 5 6 3 4 5 6 7 Code Month / 2 -0 4-0 01 / 03 1 X 7 -0 2 -1 4-1 02 / 03 1 X 7 7 -1 2 -2 X : 4 -2 05 / 99 1 7 -2 1 2 -3 4 -3 09 / 01 1 7 7 -3 2 -4 4 -4 11 / 04 1 7 -4 2 -5 4 -5 1 7 -5 7 2 -6 4 -6 7 -6 1 2 -7 : 4 -7 7 -7 1 2 -8 4 -8 7 -8 2 -9 4 -9 7 -9 2 -A 4 -A 7 -A 2 -b 4 -b 1 7 -b 2 -C 4 -C 1

4 -d

4 -E

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LACO-1R WWV-TIME-BASED ANNUAL TABLES

Intersection	n: Garfield Avenue @ Beverly Boulevard	Date Prepared: 5-2-/3 HCH	Ву: //Д
T.S. No.:	8561 (c/o Montebello)	Date Implemented:	By:

	2275									
EXC	CEPTION	DA	YS	S	m	t	W	t	1	s
Code	Month / D	ay	Flag	1	2	3	4	5	6	7
8 - 0	01 / ()1	1		X	X	X	X	X	
8-1	01 / ()2	1	-	X					_
8 . 2	07 / 0)4	1		X	X	X	X	X	
8 - 3	07 / ()5	1		X	-				
8 - 4	11 / 1	0	1						X	
8 - 5	11 / 1	1	1		X	X	X	X	X	
8 · 6	11 / 1	12	1		X					
8 - 7	12 / 2	24	1		X	X	X	X	X	
8 . 8	12 / 2	25	1		X	X	X	X	X	
8.9	12 / 2	26	1		X				Х	
8 · A	1									
8 · b	1				-					
8 - C	,									_
8 - d	,									_
8 · E	/									
8 · F	1									

EXC	EPTIO	VIII V	MES		Т	abl	8 e	Flag	js	
Code	Hour :		Plan	1	2	3	4	5	6	7
9.0	00 :	00	E	X						
9.1	:									
9.2	:			_		Г	Г			
9.3	:								Г	
9-4	:						_		\Box	
9.5	;					_	_			
9.6	:					П				
9.7	;					-				
9-8	;									
9-9	:									
9-A	:									
9 · b	:									
9-C	:									1
9 · d	:					-				
9 · E	1									
9.F	;									

SPECIAL FUNCTION TABLE									
Keys	troke	s: F +	d + f	unct	ion				
				F	hase	e Fla	ព្ទន		
		1	2	3	4	5	6	7	8
(Green) Calling Phases	0				Π				
(Green) Call To Phases	1								
(Yellow) Calling Phases	2								
(Yellow) Call To Phases	3								
Auxiliary Ovip A Output	4				_				
Mid-Block Ped Crossing	5					300			3
Driveway Flash	6			-		152319	434.6	BETT-ON	3783:27
Green Extension	7								
Sequential Ped	8								
Not Used	9					描述			
EV- A Clearance Phases	Α			-	11.552				-
EV- B Clearance Phases	b					 			
EV- C Clearance Phases	С								
EV- D Clearance Phases	ď								
Track Clerance Phases	E								
Limited Servces Phases	F								

	EXCEPTION TIMES											
Code	Hour :	Mh	Plan	1	2	3	4	5	6	7		
9.0	00 :	00	E	X								
9.1	:											
9.2	:			_		Г	Г					
9.3	:											
9-4	:											
9.5	;					_						
9.6	:											
9.7	;											
9-8	;											
9-9	:											
9 - A	:									П		
9 · b	:											
9 - C	:											
9 - d	:					-						
9 · E	1											

ADDITIONAL KEY CODES: d-0-3=1 Search Tables

can now be set.

d-0-3=3 Repoll WWV Clock d-A-F=1 Repoll WWW Clock

NOTES ON USING TABLES: Starting from the base display [A/b],

Five keypresses will be required followed by [E] to either the data and open the flag mode. Day of Week flags

Table access is gained with a two digit Table Code. Access is verified by the flashing of both Call Light 9 and the Phase digit* of the display (* No Flash if Table # & Event # match).

d-0-3=071 Save Timing to Prom Module d-0-3=170 Download Timing into 170

d-0-3=999 Clear All Tables F-0-0=Phase/Dial Copy - Source F-0-1=Phase/Dial Copy - Destination

F-0-4=Program Number (66)
d-0-8,9,A=Mo,Day,Yr of Latest Revision
E-E-0-0= Reinitialization

When Any Flagged Phase Is Green --

--- Place A Locked Call To These Phases.

When Any Flagged Phase Is Yellow ---

--- Place A Locked Call To These Phases.

"Three Color single Phase Overlap" Outputs On Auxiliary File - Slot 1

Ø4P Only. Ø2 & Ø6 Reds Flash During Ø4P Clearance

Flashes The Green Outputs of The Selected Phases

Staggered Termination At Barrier Crossing

Allows Ø1, Ø3 or Ø5 Ped to output on the Ø8P Load Switch

OVERLAP GREEN OMIT	Keys	1	2	3	4	5	6	7	8
Green Omit for Overlap A	F-C-4		Ī				-		
Green Omit for Overlap B	F-C-5								
Green Omil for Overlap C	F-C-6			_					
Green Omit for Overlap D	F-C-7								

F-9-7	Coordination Free Time (Seconds) After railroad preempt
F-9∙d	Green Rest Delay Time (Seconds)
d-0-1	RAILROAD ROUTINE SELECT: 0=Normal Railroad 1=Special Two Input Railroad Routine
d-0-2	MANUAL CONTROL: 0=Not Enabled 1=No Realls 2=Vehicle recalls 3=Vehicle and Ped Recalls

PHASE OMIT	Keys	1	2	3	4	5	6	7	8
Phase Omit (Observe Only)	d-d-4	T		Ī					
Phase Omit for Dial 1	d-d-5	1	_		\vdash			-	-
Phase Omlt for Dial 2	d-d-6	T	_	1					-
Phase Omit for Dial 3	d-d-7	1							-

ADDITIONAL OVERLAPS	Keys	1	2	3	4	5	6	7	8
Aux File 2 Color Overlap C	d.d.C	İ							
Aux File 2 Color Overlap D	d-d-d	1							
Ø7 Load Sw. 3 Color Ovrlp E	d-d-E								
Green Omit for Overlap E	d-d-F								-

PHASE OMIT is active when Coordination CALL function is active and the OMIT flag is set.

Overlap E will not function if the Railroad Preempt has been selected.

LACO-1R WWV TIME BASED **COMMUNICATIONS & SPECIAL OPTIONS**

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Intersection: Garfield Avenue @ Beverly Boulevard	Date Prepared: 5-2-13 HCH	By: _//A
T.S. No.: 8561 (c/o Montebello)	Date Implemented:	Ву:

SPECIAL OPTIONS	Keys	
Comm 3 Options	F-9-3	
User Flag Options	F-C-2	-
AB3418 Slave Number (1-62)	F-9-0	

Comm 3 Options (F-9-3) 1. Unused

- 2. Transmit 7-Wire
- 3. Unused 4. Transmit Time & Day
- 5. Unused
- 6. Transmit Plan
- 7. Transmit State Protocal AB3418 Time & Date 8. Receive & Respond to State Protocal AB3418

Note: A Slave Number must be entered at F-9-0 (1-62) when using Option #8.

User Flag Options (F-C-2)

- Send out the "System Sync Pulse" on Phase 4 Ped Yellow
 Send out the "Time of Day Output" on Phase 4 Ped Yellow
 Send out the "Midnight Sync Pulse" on Phase 4 Ped Yellow
 Reserved

- Reserved
 Enable AB3418 to set the Time & Date
 Enable AB3418 to set the Coordination Free
 Enable the Special Time of Day Overlap B
 Enable the Freeway Ramp Release Logic Routine