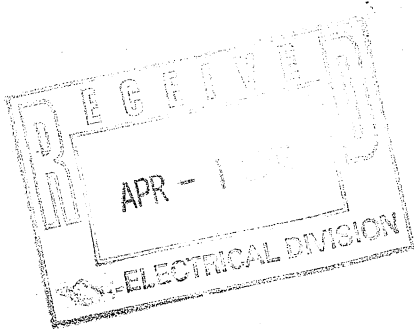




City of Oakland
Public Works Agency
Transportation Services Division



Memorandum

To: Vern Chang
From: Humberto Castellero *[Signature]*
Date: January 22, 2003
Re: Signal Timing Changes – North CBD and Hegenberger Road/73rd Avenue Controller and Signal Interconnect Upgrade, City Project No. H03610, Federal Project # CML-5012 (013)

Installed By:	<i>Ed Ryall</i> <i>Stefan Janowski</i>	Installation Date:	3-26-03
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Intersection Location(s):
Grand Avenue at Harrison Street
Hegenberger Road at Pardee Drive
Hegenberger Road at Hegenberger ~~Place~~ Loop
Hegenberger Road at Edgewater Drive
Hegenberger Road at S. Coliseum Way
Hegenberger Road at Baldwin Street
Hegenberger Road at Office Complex Driveway

Please make the timing adjustments below:

Enclosed are the timing sheets for the locations listed above for the North CBD and Hegenberger Road/73rd Avenue Controller and Signal Interconnect Upgrade Project (PVEA). Controllers were upgraded from existing LS 180/240 or LMD 8000 to Type 170E with Bi Trans Program 233.

- ☐ This will be an **informal adjustment**. An engineer will meet with an electrician and changes will be made informally.
- ☐ This is a **semi-formal adjustment**. Enclosed are four copies of temporary data sheets. Make changes as they direct. Hold all existing data sheets.
- ☒ This is a **formal adjustment** or conforms a previous adjustment. Enclosed are four copies of initialed data sheets; put them in operation.
- ☐ Send Signal Timing Information to Caltrans

INTERSECTION: Hegenberger & Baldwin

Group Assignment: NONE

Field Master Assignment: NONE

System Reference Number: 31

N/S Street Name: Hegenberger

E/W Street Name: Baldwin

Page 1 (of 8)

Last Database Change: 03/12/2003 12:05

Change Record				
Change	By	Date	Change	By

Drop Number	1	<C/O+0+0>
Zone Number	1	<C/O+0+1>
Area Number	1	<C/O+0+2>
Area Address	72	<C/O+0+3>

QuickNet Channel comt: (QuickNet)

Communication Addresses

Manual Plan	0
Manual Offset	0

Manual Selection

Notes:

Manual Plan
0 = Automatic
1-9 = Plan 1-9
14 = Free
15 = Flash
Manual Offset
0 = Automatic
1 = Offset A
2 = Offset B
3 = Offset C

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

Start / Revert Times

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

Exclusive Ped Phase

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

Phase									
Column Numbers ---->	1	2	3	4	5	6	7	8	
Phase Names ---->	SBL NBT	EBT NBL SBT							
Ped Walk	0	0	0	4	0	7	0	0	
Ped FDW	0	0	0	25	0	9	0	0	
Min Green	5	5	0	5	5	5	0	0	
Type 3 Disconnect	0	0	0	0	0	0	0	0	
Added per Vehicle	2.0	2.0	0.0	2.0	2.0	2.0	0.0	0.0	
Van Extension	2.0	2.0	0.0	2.0	2.0	2.0	0.0	0.0	
Max Gap	2.0	2.0	0.0	2.0	2.0	2.0	0.0	0.0	
Min Gap	2.0	2.0	0.0	2.0	2.0	2.0	0.0	0.0	
Max Limit	10	20	0	20	10	20	0	0	
Max Limit 2	15	60	0	35	25	60	0	0	
Adv. / Delay Walk	0	0	0	0	0	0	0	0	
PE Min Ped FDW	0	0	0	0	0	0	0	0	
Cond Serv Check	10	10	0	10	10	10	0	0	
Reduce Every	1.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	
Yellow Change	3.0	3.0	0.0	3.0	3.0	3.0	0.0	0.0	
Red Clear	0.0	1.0	0.0	2.0	0.0	1.0	0.0	0.0	

Phase Timing - Bank 1

<C+0+F=1>

Phase 1	0	0	0	0	0	0	0	0	0
Phase 2	20	0	0	0	0	0	0	0	0
Phase 3	0	0	0	0	0	0	0	0	0
Phase 4	20	0	0	0	0	0	0	0	0
Phase 5	0	0	0	0	0	0	0	0	0
Phase 6	20	0	0	0	0	0	0	0	0
Phase 7	0	0	0	0	0	0	0	0	0
Phase 8	20	0	0	0	0	0	0	0	0
Max Initial									
Alternate Walk									
Alternate FDW									
Alternate Initial									
Alternate Extension									

Alternate Timing <C+0+F=1>

9	A	B	C	D
---	---	---	---	---

E

F

Permit	12_456
Red Lock	
Yellow Lock	
Min Recall	
Ped Recall	
View Set Parts	
Rest In Walk	
Red Rest	
Dual Entry	
Max Recall	
Soft Recall	
Max 2	
Cond. Service	
Man Cntrl Calls	
Yellow Start	
First Phases	2_6

Phase Functions-C+0+F=1>

Preempt Timing

Row	Column Numbers ---->							
	Overlap Name ---->							
	1	2	3	4	5	6	7	8
0	0	0	0	0	0	0	0	0
1								
2								
3								
4								
5								
6								
7								
8								
9								
A								
B								
C								
D	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
F	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Overlap Assignments

<C+0+E=29>

Row	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	EV-A	EV-B	EV-C	EV-D	RR-1 *	RR-2 *	SE-1	SE-2	Preempt	Priority	<C+0+E=125>					
1	1 = TBC Type 1	2 = NEMA Ext. Coord	3 = Auto Daylight Savings	4 = EV Advance	5 = Extended Status	6 = International Ped	7 = Flash - Clear Outputs	8 = Split Ring	Extra 1 Flags	Extra 2 Flags	(* RR-1 is always Highest, and RR-2 is always Second Highest)					
2	1 = TBC Type 1	2 = NEMA Ext. Coord	3 = Auto Daylight Savings	4 = EV Advance	5 = Extended Status	6 = International Ped	7 = Flash - Clear Outputs	8 = Split Ring	Extra 1 Flags	Extra 2 Flags	1 = AWB During Initial					
3	1 = TBC Type 1	2 = NEMA Ext. Coord	3 = Auto Daylight Savings	4 = EV Advance	5 = Extended Status	6 = International Ped	7 = Flash - Clear Outputs	8 = Split Ring	Extra 1 Flags	Extra 2 Flags	2 = LMU Installed					
4	1 = TBC Type 1	2 = NEMA Ext. Coord	3 = Auto Daylight Savings	4 = EV Advance	5 = Extended Status	6 = International Ped	7 = Flash - Clear Outputs	8 = Split Ring	Extra 1 Flags	Extra 2 Flags	3 = Disable Min Walk					
5	1 = TBC Type 1	2 = NEMA Ext. Coord	3 = Auto Daylight Savings	4 = EV Advance	5 = Extended Status	6 = International Ped	7 = Flash - Clear Outputs	8 = Split Ring	Extra 1 Flags	Extra 2 Flags	4 = QuickNet4 System					
6	1 = TBC Type 1	2 = NEMA Ext. Coord	3 = Auto Daylight Savings	4 = EV Advance	5 = Extended Status	6 = International Ped	7 = Flash - Clear Outputs	8 = Split Ring	Extra 1 Flags	Extra 2 Flags	5 = Ignore P/P on EV					
7	1 = TBC Type 1	2 = NEMA Ext. Coord	3 = Auto Daylight Savings	4 = EV Advance	5 = Extended Status	6 = International Ped	7 = Flash - Clear Outputs	8 = Split Ring	Extra 1 Flags	Extra 2 Flags	6 =					
8	1 = TBC Type 1	2 = NEMA Ext. Coord	3 = Auto Daylight Savings	4 = EV Advance	5 = Extended Status	6 = International Ped	7 = Flash - Clear Outputs	8 = Split Ring	Extra 1 Flags	Extra 2 Flags	7 = Reserved					
9	1 = TBC Type 1	2 = NEMA Ext. Coord	3 = Auto Daylight Savings	4 = EV Advance	5 = Extended Status	6 = International Ped	7 = Flash - Clear Outputs	8 = Split Ring	Extra 1 Flags	Extra 2 Flags	8 =					

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

<C+0+E=125>

Row	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Ext. Permit 1 Phases	Ext. Permit 2 Phases	Exclusive Ped Assign	Preempt Non-Lock	Ped for 2P Output	Ped for 6P Output	Ped for 4P Output	Ped for 8P Output	Yellow Flash Phases	Low Priority A Phases	Low Priority B Phases	Low Priority C Phases	Low Priority D Phases	Restricted Phases	Extra 2 Config. Bits	
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

<C+0+E=125>

Row	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Fast Green Flash Phase	Green Flash Phases	Flashing Walk Phases	Guaranteed Passage	Simultaneous Gap Term	Sequential Timing	Advance Walk Phases	Delay Walk Phases	External Recall	Start-up Overlap Green	Max Extension	Inhibit Ped Reserve	Semi-Actuated	Start-up Overlap Yellow	Start-up Vehicle Calls	Start-up Ped Calls
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

<C+0+F=2>

Row	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Phase 7	Phase 8	Coordination	Transition	Minimums	<C+0+C=5>				
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

Coord Extra

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

Row	Column Numbers ---->									
	Plan Name ---->									
	1	2	3	4	5	6	7	8	9	
0	Cycle Length	100	106	102	106	100	100	100	100	
1	Phase 1 - ForceOff	58	49	51	53	55	55	55	55	
2	Phase 2 - ForceOff	0	0	0	0	0	0	0	0	
3	Phase 3 - ForceOff	0	0	0	0	20	20	20	20	
4	Phase 4 - ForceOff	33	33	33	33	40	40	40	40	
5	Phase 5 - ForceOff	58	49	51	53	55	55	55	55	
6	Phase 6 - ForceOff	0	0	0	0	0	0	0	0	
7	Phase 7 - ForceOff	20	20	20	20	20	20	20	20	
8	Phase 8 - ForceOff	40	40	40	40	40	40	40	40	
9	Ring Offset	0	0	0	0	0	0	0	0	
A	Offset 1	64	68	63	36	0	0	0	0	
B	Offset 2	0	0	0	0	0	0	0	0	
C	Offset 3	0	0	0	0	0	0	0	0	
D	Perm 1 - End	1	1	1	1	15	15	15	15	
E	Hold Release	255	255	253	255	255	255	255	255	
F	Zone Offset	0	0	0	0	0	0	0	0	

[illegible]

Sync Phases

[illegible]

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

Lag Phases

Row	Column 9	Column A	Column B	Column C	Column D	Column E	Column F	Row
0	Spec. Funct. 1	0	NOT-3	0	Set Monday	0	Dial 2 (7-Wire)	0
1	Spec. Funct. 2	0	NOT-4	0	Ext. Perm 1	0	Dial 3 (7-Wire)	0
2	Spec. Funct. 3	0	OR-4 (a)	0	Ext. Perm 2	0	Offset 1 (7-Wire)	0
3	Spec. Funct. 4	0	OR-4 (b)	0	Dimming	0	Offset 2 (7-Wire)	0
4	NAND-3 (a)	0	OR-5 (a)	0	Set Clock	0	Offset 3 (7-Wire)	0
5	NAND-3 (b)	0	OR-5 (b)	0	Stop Time	82	Free (7-Wire)	0
6	NAND-4 (a)	0	OR-6 (a)	0	Flash Sense	81	Flash (7-Wire)	0
7	NAND-4 (b)	0	OR-6 (b)	0	Manual Enable	0	Excl. Ped Omit	0
8	OR-7 (a)	0	Fig 3 Diamond	0	Man. Advance	0	NOT-1	0
9	OR-7 (b)	0	Fig 4 Diamond	0	Ext. Alarm	0	NOT-2	0
A	OR-7 (c)	0	AND-4 (a)	0	Phase Bank 2	0	OR-1 (a)	0
B	OR-7 (d)	0	AND-4 (b)	0	Phase Bank 3	0	OR-1 (b)	0
C	OR-8 (a)	0	NAND-1 (a)	0	Overlap Set 2	0	OR-2 (a)	0
D	OR-8 (b)	0	NAND-1 (b)	0	Overlap Set 3	0	OR-2 (b)	0
E	OR-8 (c)	0	NAND-2 (a)	0	Detector Set 2	0	OR-3 (a)	0
F	OR-8 (d)	0	NAND-2 (b)	0	Detector Set 3	0	OR-3 (b)	0

<C=0+E=126>

Assignable Inputs

Row	Column 9	Column A	Column B	Column C	Column D	Column E	Column F	Row
0	Phase ON - 1	0	Preempt Fail	0	Flasher 0	0	TOD Out 1	0
1	Phase ON - 2	0	Sp Evnt Out 1	0	Flasher 1	0	TOD Out 2	0
2	Phase ON - 3	0	Sp Evnt Out 2	0	Fast Flasher	0	TOD Out 3	0
3	Phase ON - 4	0	Sp Evnt Out 3	0	Fig 3 Diamond	0	TOD Out 4	0
4	Phase ON - 5	0	Sp Evnt Out 4	0	Fig 4 Diamond	0	TOD Out 5	0
5	Phase ON - 6	0	Sp Evnt Out 5	0		0	TOD Out 6	0
6	Phase ON - 7	0	Sp Evnt Out 6	0		0	TOD Out 7	0
7	Phase ON - 8	0	Sp Evnt Out 7	0		0	TOD Out 8	0
8	Ph. Check - 1	0	Sp Evnt Out 8	0	NOT-3	0	Adv. Warn - 1	0
9	Ph. Check - 2	0	Detector Fail	0	NOT-4	0	Adv. Warn - 2	0
A	Ph. Check - 3	0	Spec. Funct. 1	0	OR-4	0	DELAY-A	0
B	Ph. Check - 4	0	Spec. Funct. 2	0	OR-5	0	DELAY-B	0
C	Ph. Check - 5	0	Spec. Funct. 3	0	OR-6	0	DELAY-C	0
D	Ph. Check - 6	0	Spec. Funct. 4	0	AND-4	0	DELAY-D	0
E	Ph. Check - 7	0	Central Control	0	NAND-1	0	DELAY-E	0
F	Ph. Check - 8	0	Excl. Ped DW	0	NAND-2	0	DELAY-F	0

<C=0+E=127>

Assignable Outputs

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

Phase Timing - Bank 2

<C=0+F=2>

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

Phase Timing - Bank 3

<C=0+F=3>

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

Alternate Timing

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

Alternate Timing

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

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

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

Sync Output Time **0.0** <C/5+1+C>
7-Wire Master

Begin Month **0** <C/5+2+A>
 Begin Week **0** <C/5+2+B>
 End Month **0** <C/5+2+C>
 End Week **0** <C/5+2+D>
Daylight Savings Time

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

Time B4 Yellow **0.0** <F/1+C+E>
 Phase Number **0** <F/1+C+F>
Advance Warning Beacon - Sign 1

Time B4 Yellow **0.0** <F/1+D+E>
 Phase Number **0** <F/1+D+F>
Advance Warning Beacon - Sign 2

Long Failure **0.7** <F/1+0+6>
 Short Failure **0.7** <F/1+0+7>
Power Cycle Delay (seconds) (default = 0.7)

Min Time (seconds) **0** <F/1+0+3>
Min Green Before PE Force Off

Max Time (minutes) **255** <F/1+0+9>
Max Preempt Time Before Failure

Min Time (seconds) **0** <F/1+0+A>
Min Time Between Same Preempts
 (Does Not Apply To Cautious Preempt)

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

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

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

Cabinet Type	0	<E/125+D+0>						
Enable Redirection (Enable Redirection = 30)								
Max OFF (minutes)	20	<D/0+0+1>						
Max ON (minutes)	7	<D/0+0+2>						
Detector Failure Monitor								

Row	0	1	2	3	4	5	6	7	8
Detector Name	C1 Pin Number	Attributes	Phase(s)	Assign	Detector Assignments <C+0+E=126>				
0	59	45 7	5	123 8	1 = Full Time Delay	2 = Ped Call	3 = Count	4 = Extension	5 = Type 3
1	60	45 7	1	123 8	6 = Calling	7 = Alternate	8 = Det. Set 1	9 = Det. Set 2	10 = Det. Set 3
2	61	45 7	7	123 8	11 = Det. Set 4	12 = Det. Set 5	13 = Det. Set 6	14 = Det. Set 7	15 = Det. Set 8
3	62	45 7	3	123 8	16 = Det. Set 9	17 = Det. Set 10	18 = Det. Set 11	19 = Det. Set 12	20 = Det. Set 13
4	63	45 7	2	123 8	21 = Det. Set 14	22 = Det. Set 15	23 = Det. Set 16	24 = Det. Set 17	25 = Det. Set 18
5	64	45 7	6	123 8	26 = Det. Set 19	27 = Det. Set 20	28 = Det. Set 21	29 = Det. Set 22	30 = Det. Set 23
6	65	45 7	4	123 8	31 = Det. Set 24	32 = Det. Set 25	33 = Det. Set 26	34 = Det. Set 27	35 = Det. Set 28
7	66	45 7	3	123 8	36 = Det. Set 29	37 = Det. Set 30	38 = Det. Set 31	39 = Det. Set 32	40 = Det. Set 33
8	67	2	2	123 8	41 = Det. Set 34	42 = Det. Set 35	43 = Det. Set 36	44 = Det. Set 37	45 = Det. Set 38
9	68	2	6	123 8	46 = Det. Set 39	47 = Det. Set 40	48 = Det. Set 41	49 = Det. Set 42	50 = Det. Set 43
A	69	2	1	123 8	51 = Det. Set 44	52 = Det. Set 45	53 = Det. Set 46	54 = Det. Set 47	55 = Det. Set 48
B	70	2	8	123 8	56 = Det. Set 49	57 = Det. Set 50	58 = Det. Set 51	59 = Det. Set 52	60 = Det. Set 53
C	76	45 7	2	123 8	61 = Det. Set 54	62 = Det. Set 55	63 = Det. Set 56	64 = Det. Set 57	65 = Det. Set 58
D	77	45 7	6	123 8	66 = Det. Set 59	67 = Det. Set 60	68 = Det. Set 61	69 = Det. Set 62	70 = Det. Set 63
E	78	45 7	4	123 8	71 = Det. Set 64	72 = Det. Set 65	73 = Det. Set 66	74 = Det. Set 67	75 = Det. Set 68
F	79	45 7	8	123 8	76 = Det. Set 69	77 = Det. Set 70	78 = Det. Set 71	79 = Det. Set 72	80 = Det. Set 73

Detector Assignments <C+0+E=126>

<C+0+D=0>

Row	0	1	2	3	4	5	6	7	8
Detector Name	C1 Pin Number	Attributes	Phase(s)	Assign	Detector Attributes				
0	59	45 7	5	123 8	1 = Full Time Delay	2 = Ped Call	3 = Count	4 = Extension	5 = Type 3
1	60	45 7	1	123 8	6 = Calling	7 = Alternate	8 = Det. Set 1	9 = Det. Set 2	10 = Det. Set 3
2	61	45 7	7	123 8	11 = Det. Set 4	12 = Det. Set 5	13 = Det. Set 6	14 = Det. Set 7	15 = Det. Set 8
3	62	45 7	3	123 8	16 = Det. Set 9	17 = Det. Set 10	18 = Det. Set 11	19 = Det. Set 12	20 = Det. Set 13
4	63	45 7	2	123 8	21 = Det. Set 14	22 = Det. Set 15	23 = Det. Set 16	24 = Det. Set 17	25 = Det. Set 18
5	64	45 7	6	123 8	26 = Det. Set 19	27 = Det. Set 20	28 = Det. Set 21	29 = Det. Set 22	30 = Det. Set 23
6	65	45 7	4	123 8	31 = Det. Set 24	32 = Det. Set 25	33 = Det. Set 26	34 = Det. Set 27	35 = Det. Set 28
7	66	45 7	3	123 8	36 = Det. Set 29	37 = Det. Set 30	38 = Det. Set 31	39 = Det. Set 32	40 = Det. Set 33
8	67	2	2	123 8	41 = Det. Set 34	42 = Det. Set 35	43 = Det. Set 36	44 = Det. Set 37	45 = Det. Set 38
9	68	2	6	123 8	46 = Det. Set 39	47 = Det. Set 40	48 = Det. Set 41	49 = Det. Set 42	50 = Det. Set 43
A	69	2	1	123 8	51 = Det. Set 44	52 = Det. Set 45	53 = Det. Set 46	54 = Det. Set 47	55 = Det. Set 48
B	70	2	8	123 8	56 = Det. Set 49	57 = Det. Set 50	58 = Det. Set 51	59 = Det. Set 52	60 = Det. Set 53
C	76	45 7	2	123 8	61 = Det. Set 54	62 = Det. Set 55	63 = Det. Set 56	64 = Det. Set 57	65 = Det. Set 58
D	77	45 7	6	123 8	66 = Det. Set 59	67 = Det. Set 60	68 = Det. Set 61	69 = Det. Set 62	70 = Det. Set 63
E	78	45 7	4	123 8	71 = Det. Set 64	72 = Det. Set 65	73 = Det. Set 66	74 = Det. Set 67	75 = Det. Set 68
F	79	45 7	8	123 8	76 = Det. Set 69	77 = Det. Set 70	78 = Det. Set 71	79 = Det. Set 72	80 = Det. Set 73

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

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

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

Redial Time (minutes)

<C+0+C=5>

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

Redial Time (minutes)

	Time	Pan	Oset	Holiday Type
	00 : 00	0	0	
	01 : 00	0	0	
	02 : 00	0	0	
	03 : 00	0	0	
	04 : 00	0	0	
	05 : 00	0	0	
	06 : 00	0	0	
	07 : 00	0	0	
	08 : 00	0	0	
	09 : 00	0	0	
	10 : 00	0	0	
	11 : 00	0	0	
	12 : 00	0	0	
	13 : 00	0	0	
	14 : 00	0	0	
	15 : 00	0	0	
	16 : 00	0	0	
	17 : 00	0	0	
	18 : 00	0	0	
	19 : 00	0	0	
	20 : 00	0	0	
	21 : 00	0	0	
	22 : 00	0	0	
	23 : 00	0	0	
	24 : 00	0	0	

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

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

Time	Plan	Offset	Holiday Type
------	------	--------	--------------

	00:00	0	0
	00:00	0	0
	00:00	0	0
	00:00	0	0

[illegible]

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

[illegible][illegible]

TOD Function	$\langle C+0+7=0.1 \rangle$	$\langle C+0+E=27 \rangle$
-----------------	-----------------------------	----------------------------

Time	Function	Holiday Type	Phases/Bits	Column 4
------	----------	--------------	-------------	----------

[illegible][illegible]

TOD Function	
Holiday	<C+0+7=0.2>
	<C+0+E=28>

INTERSECTION: HEGENBERGER ROAD AT BALDWIN STREET

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

<C+0+E=27>

Special Event Schedule -- Table 1

Notes:

0 <E/27+5+F>

Limited Service Interval

Notes:

0 <E/28+5+F>

Limited Service Interval

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

<C+0+E=28>

Special Event Schedule -- Table 2