**Los Angeles County Department of Public Works**  
**Traffic and Lighting Division**  
**Traffic Signal Timing**  

**Intersection:** Inglewood Avenue @ Lennox Boulevard  
**Date Prepared:** 2-2-17  
**By:** MRR  
**Date Implemented:** 3-1-17  
**By:** MRR

**Keystroke:** 1 + Phase + Interval

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**Comments:** *PROTECTIVE/PERMISSIVE LEFT-TURN*
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**MANUAL CONTROL CONFIGURATIONS**

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**User Flag Options (1DB)**

1 = Enable Mid-Block Ped Crossing Logic.
2 = Modify Main Street Phases at Location (1ED).
3 = Delay RR/REV Clearance Until All Overlaps Finish Terminating.
4 = Modified Barrier Crossing (Ignore True Max).
5 = Disable Daylight Savings Time Update.
6 = Disable Ped Recycle Logic For STA Mode & Ped Recall Phases.
7 = Enable Freeway Off-Ramp Anti-Backup Logic.
8 = Ignore Stuck-All-Red Failure.
**Traffic Signal Timing**

**LACO - 4E**

**DETECTORS**

**INTERSECTION:** Inglewood Avenue @ Lennox Boulevard  
**Date Prepared:** 1-1-17  
**By:** WRO

**T.S. No.:** 0396  
**Date Implemented:** 3-1-12  
**By:** ROSS

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**Comments:**

**DETECTOR ATTRIBUTES**
- Flag 1 - Non-Calling
- Flag 5 - Queue Clearing
- Flag 2 - Red & Yellow Lock
- Flag 6 - Non-Counting
- Flag 3 - Yellow Disconnect
- Flag 7 - Special Delay Option 1
- Flag 4 - Red Calling Only
- Flag 8 - Special Delay Option 2

**SPECIAL DETECTOR DELAY ASSIGNMENTS**

All Options: Delay Timer resets during detector phase yellow.

- Special Delay Option 1 (Attribute Bit 7) - Bypasses delay while flagged phases are timing.
  - Code: 2F8
- Special Delay Option 2 (Attribute Bit 8) - Bypasses delay while flagged phases are timing.
  - Code: 2F9

**Note:** Shaded Phase Flags call by default.
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1 - Set Data to "0" to disable Error Checking  
2 - Default = 60 seconds

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### Memory Locations of Interest

1503 - Set to non-zero value to reset all System Detector Logic.  
150F - Collection Period Timer  
15FF - Data Collection Sequence Counter
**INTERSECTION:** Inglewood Avenue @ Lennox Boulevard  
**T.S. No.:** 0396

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### OVERLAP F

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**Comments:**
INTERSECTION: Inglewood Avenue @ Lennox Boulevard  
T.S. No.: 0396  

**RAILROAD CONFIGURATION**

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<td>Railroad Track Clearance Time</td>
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<td>Limited Service Max Time</td>
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<tr>
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<tr>
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<td>Max Timer (Seconds)</td>
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Observation Only

**RAILROAD PHASES**

| Track Clearance | 3A0 |
| Railroad Exit | 3A1 |
| Railroad Ped Only | 3A2 |
| Limited Service | 3A3 |

**EV CONFIGURATION**

| EV Flags (See Notes to the Right) | 390 |
| EV-A Clearance Phases | 391 |
| EV-B Clearance Phases | 392 |
| EV-C Clearance Phases | 393 |
| EV-D Clearance Phases | 394 |

**EV SETUP NOTES**

1. The length of time before the controller responds to EV input. HOLD, CALL, ALLOW & Coordination Functions are not affected during this time.
2. The length of time that HOLD & CALL are set. Coordination functions are suspended during this time.
3. The length of Green Clearance time. HOLD, CALL & FORCE OFF are set by preemption logic during this time.
4. The maximum time (in seconds) that the preempt will remain in control of the intersection.
5. Causes the selected EV to time after the current EV times out.
6. Minimum time (in seconds) allowed from the end of one EV until the start of another EV.

**EV SETUP**

| Delay (1) | 310 |
| Active (2) | 311 |
| Clearance (3) | 312 |
| Maximum (4) | 313 |
| Link to EV (5) | 314 |
| Minimum (6) | 315 |

| Delay (1) | 320 |
| Active (2) | 321 |
| Clearance (3) | 322 |
| Maximum (4) | 323 |
| Link to EV (5) | 324 |
| Minimum (6) | 325 |

**EV C SETUP**

| Delay (1) | 330 |
| Active (2) | 331 |
| Clearance (3) | 332 |
| Maximum (4) | 333 |
| Link to EV (5) | 334 |
| Minimum (6) | 335 |

**EV D SETUP**

| Delay (1) | 340 |
| Active (2) | 341 |
| Clearance (3) | 342 |
| Maximum (4) | 343 |
| Link to EV (5) | 344 |
| Minimum (6) | 345 |

**AUX 3 YELLOW OUTPUT CONTROL**

(Keystrokes: 3 + C + 0)

| 1 | Railroad A |
| 2 | Railroad B |
| 3 | Emergency Vehicle A |
| 4 | Emergency Vehicle B |
| 5 | Emergency Vehicle C |
| 6 | Emergency Vehicle D |
| 7 | Manual Control |
| 8 | Unused |

**EV FLAGS**

1 = Not Used  
2 = Not Used  
3 = Not Used  
4 = Not Used  
5 = EV-A Truncates Ped Flashing Don't Walk Interval  
6 = EV-B Truncates Ped Flashing Don't Walk Interval  
7 = EV-C Truncates Ped Flashing Don't Walk Interval  
8 = EV-D Truncates Ped Flashing Don't Walk Interval
NOTE: All data is located in the Extended Memory and must be accessed with "8" followed by the 4 digit address.

### BUS PRIORITY CONTROL

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<td>Secondary Address</td>
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<td>City Code</td>
<td>1E03</td>
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<td>Hardwired ETA</td>
<td>1E04</td>
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<td>Trip Point</td>
<td>1E05</td>
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### BUS PHASES

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<tr>
<td>Southbound</td>
<td>1E0B</td>
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<tr>
<td>Eastbound</td>
<td>1E0C</td>
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<tr>
<td>Westbound</td>
<td>1E0D</td>
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### BSP OVERRIDE TABLE

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<th>T</th>
<th>W</th>
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<th>F</th>
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</table>

**Data Entry for BSP Override Table**

1. "9" + "9" sets the controller to Table Entry mode pointing to the BSP Override Table, Event 0.
2. Press "A" or "D" key to move to desired Event.
3. Enter 4 digit Time of Day.
4. Enter one digit Directional Override.
   - 1 = N  3 = N+S  A = S+W  D = N+S+W
   - 2 = S  5 = N+E  C = E+W  E = S+E+W
   - 4 = E  6 = S+E  7 = N+S+E  F = ALL
   - 8 = W  9 = N+W  B = N+E+W
   - Then press "E" to select the Days of Week.
5. Select Day(s) of Week.
6. Press "A" or "D" to move to next Event.
7. Repeat steps 3 through 6 for each event.
8. Press "F" key to finish.

**Manual Control (1E00) Options**

- 0 = Auto
- 1 = Logic OFF
- 2 = Logic ON / No Communications
- 4 = Headway / No Communications
- 7 = Hardwire
- 14 = BSP OFF

**Comments:**
**KEYSTROKE:** 4 + Plan # + Parameter

<table>
<thead>
<tr>
<th>TIME OF DAY OPERATIONS SUMMARY</th>
<th>OFFSET TIMES</th>
</tr>
</thead>
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<tr>
<td>PLAN 1</td>
<td>PLAN 4</td>
</tr>
<tr>
<td>PLAN 2</td>
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**Midnight Sync Pulse**

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<th>7-A-B</th>
<th>Hour</th>
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<th>Minute</th>
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**ZIP Coordination Enable** 7-A-D 000

**Set to "000" to DISABLE Zip Coordination**

**Observation Only Location**

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<th>Plan 3</th>
<th>Plan 4</th>
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**Master Cycle Timer**

**Local Cycle Timer**

**New Offset**

**Current Offset Time**

**Last Master Cycle**

**Last Local Cycle**

**COMMENTS:**
**INTERSECTION:** Inglewood Avenue @ Lennox Boulevard  
**Date Prepared:** 1-2-7  
**By:**  
**Date Implemented:** 3-1-7  
**By:**  

**KEYSTROKE:** 4 + column + row

### TIME OF DAY OPERATIONS SUMMARY

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**OFFSET TIMES**

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**Midnight Sync Pulse**

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**LIMITS:** 104TH STREET TO ARTESIA BOULEVARD ON INGLEWOOD AVENUE; BUFORD AVENUE TO INGLEWOOD AVENUE ON LENNOX BOULEVARD IN AM AND PM PEAKS.

### OBSERVATION ONLY

#### INTERVALS

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INTERSECTION: Inglewood Avenue @ Lennox Boulevard

T.S. No.: 0396

Date Prepared: 2-2-17

Date Implemented:

KEYSTROKE: 5 + column + row

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COMMENTS:
INTERSECTION: Inglewood Avenue @ Lennox Boulevard

T.S. No.: 0396

Date Prepared: 2-2-17

Date Implemented: 

KEYSTROKE: 6 + column + row

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COMMENTS:
INTERSECTION: Inglewood Avenue @ Lennox Boulevard

T.S. No.: 0396

Date Prepared: 2-2-17

Date Implemented: 3-1-17

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### TABLE 7 - Exception Days

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<th>Function 6</th>
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<th>Function 8</th>
<th>Function 9</th>
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<th>Function C</th>
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**Plan = Plan Number 1 through 9**

**Function:**

- A = Special Function Output - ON Steady
- B = Special Function Output - ON Flashing
- C = Offset Timing Mode
- D = Special Function Output - OFF
- E = FREE
- F = Time of Day Flash

**Floating Holiday Table:**

'1Day' refers to the n-th occurrence of the DOW flagged. For example, 0103 indicates the 3rd occurrence of the flagged DOW in January. '0' or greater than '5' is treated as the last occurrence.
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**Comments:**

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**INTERSECTION:** Inglewood Avenue @ Lennox Boulevard

**Date Prepared:** 2-2-17

**T.S. No.:** 0396

**Date Implemented:**

**By:**

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**LACO - 4E**

**PROGRAMMABLE LOGIC**

**LOS ANGELES COUNTY**

**DEPARTMENT OF PUBLIC WORKS**

**TRAFFIC AND LIGHTING DIVISION**

**TRAFFIC SIGNAL TIMING**