



MOVING TRAFFIC FORWARD

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

**Configuration Controller Sequence**

**Phase Ring Sequence and Assignment (MM) 1-1-1**

Hardware Alternate Sequence Enable: No

**Phase Ring Sequence.....(Note: Sequences identical to the prior one are not printed)**

|             | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Sequence 1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ring 1      | 1  | 2  | .  | 3  | 4  | 11 | 13 | 14 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 2      | 5  | 6  | 9  | 7  | 8  | 12 | 15 | 16 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 3      | .  | .  | 10 | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  |
| Sequence 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ring 1      | 2  | 1  | .  | 3  | 4  | 11 | 13 | 14 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 2      | 5  | 6  | 9  | 7  | 8  | 12 | 15 | 16 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 3      | .  | .  | 10 | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  |
| Sequence 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ring 1      | 1  | 2  | .  | 4  | 3  | 11 | 13 | 14 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 2      | 5  | 6  | 9  | 7  | 8  | 12 | 15 | 16 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 3      | .  | .  | 10 | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  |
| Sequence 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ring 1      | 2  | 1  | .  | 4  | 3  | 11 | 13 | 14 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 2      | 5  | 6  | 9  | 7  | 8  | 12 | 15 | 16 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 3      | .  | .  | 10 | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  |
| Sequence 5  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ring 1      | 1  | 2  | .  | 3  | 4  | 11 | 13 | 14 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 2      | 5  | 6  | 9  | 8  | 7  | 12 | 15 | 16 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 3      | .  | .  | 10 | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  |
| Sequence 6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ring 1      | 2  | 1  | .  | 3  | 4  | 11 | 13 | 14 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 2      | 5  | 6  | 9  | 7  | 8  | 12 | 15 | 16 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 3      | .  | .  | 10 | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  |
| Sequence 7  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ring 1      | 1  | 2  | .  | 4  | 3  | 11 | 13 | 14 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 2      | 5  | 6  | 9  | 7  | 8  | 12 | 15 | 16 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 3      | .  | .  | 10 | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  |
| Sequence 8  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ring 1      | 2  | 1  | .  | 4  | 3  | 11 | 13 | 14 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 2      | 5  | 6  | 9  | 7  | 8  | 12 | 15 | 16 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 3      | .  | .  | 10 | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  |
| Sequence 9  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Ring 1      | 1  | 2  | .  | 3  | 4  | 11 | 13 | 14 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 2      | 5  | 6  | 9  | 7  | 8  | 12 | 15 | 16 | .  | .  | .  | .  | .  | .  | .  | .  |
| Ring 3      | .  | .  | 10 | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  | .  |
| Sequence 10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

|             |   |   |    |   |   |    |    |    |   |   |   |   |   |   |   |   |
|-------------|---|---|----|---|---|----|----|----|---|---|---|---|---|---|---|---|
| Ring 1      | 2 | 1 | .  | 3 | 4 | 11 | 13 | 14 | . | . | . | . | . | . | . | . |
| Ring 2      | 5 | 6 | 9  | 8 | 7 | 12 | 15 | 16 | . | . | . | . | . | . | . | . |
| Ring 3      | . | . | 10 | . | . | .  | .  | .  | . | . | . | . | . | . | . | . |
| Sequence 11 |   |   |    |   |   |    |    |    |   |   |   |   |   |   |   |   |
| Ring 1      | 1 | 2 | .  | 4 | 3 | 11 | 13 | 14 | . | . | . | . | . | . | . | . |
| Ring 2      | 5 | 6 | 9  | 7 | 8 | 12 | 15 | 16 | . | . | . | . | . | . | . | . |
| Ring 3      | . | . | 10 | . | . | .  | .  | .  | . | . | . | . | . | . | . | . |
| Sequence 12 |   |   |    |   |   |    |    |    |   |   |   |   |   |   |   |   |
| Ring 1      | 2 | 1 | .  | 4 | 3 | 11 | 13 | 14 | . | . | . | . | . | . | . | . |
| Ring 2      | 5 | 6 | 9  | 7 | 8 | 12 | 15 | 16 | . | . | . | . | . | . | . | . |
| Ring 3      | . | . | 10 | . | . | .  | .  | .  | . | . | . | . | . | . | . | . |
| Sequence 13 |   |   |    |   |   |    |    |    |   |   |   |   |   |   |   |   |
| Ring 1      | 1 | 2 | .  | 3 | 4 | 11 | 13 | 14 | . | . | . | . | . | . | . | . |
| Ring 2      | 5 | 6 | 9  | 7 | 8 | 12 | 15 | 16 | . | . | . | . | . | . | . | . |
| Ring 3      | . | . | 10 | . | . | .  | .  | .  | . | . | . | . | . | . | . | . |
| Sequence 14 |   |   |    |   |   |    |    |    |   |   |   |   |   |   |   |   |
| Ring 1      | 2 | 1 | .  | 3 | 4 | 11 | 13 | 14 | . | . | . | . | . | . | . | . |
| Ring 2      | 5 | 6 | 9  | 7 | 8 | 12 | 15 | 16 | . | . | . | . | . | . | . | . |
| Ring 3      | . | . | 10 | . | . | .  | .  | .  | . | . | . | . | . | . | . | . |
| Sequence 15 |   |   |    |   |   |    |    |    |   |   |   |   |   |   |   |   |
| Ring 1      | 1 | 2 | .  | 4 | 3 | 11 | 13 | 14 | . | . | . | . | . | . | . | . |
| Ring 2      | 5 | 6 | 9  | 7 | 8 | 12 | 15 | 16 | . | . | . | . | . | . | . | . |
| Ring 3      | . | . | 10 | . | . | .  | .  | .  | . | . | . | . | . | . | . | . |
| Sequence 16 |   |   |    |   |   |    |    |    |   |   |   |   |   |   |   |   |
| Ring 1      | 2 | 1 | .  | 4 | 3 | 11 | 13 | 14 | . | . | . | . | . | . | . | . |
| Ring 2      | 5 | 6 | 9  | 7 | 8 | 12 | 15 | 16 | . | . | . | . | . | . | . | . |
| Ring 3      | . | . | 10 | . | . | .  | .  | .  | . | . | . | . | . | . | . | . |

**Phases In Use/Exclusive Ped (MM) 1-2**

| Phase         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Phases In Use | X | X | X | X | X | X | X | X | X | X  |    |    |    |    |    |    |
| Exclusive Ped |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

**Phase Compatibility (MM) 1-1-2**

| Phase |    |
|-------|----|
| 1     | 5  |
| 1     | 6  |
| 1     | 10 |
| 2     | 5  |
| 2     | 6  |
| 2     | 10 |
| 3     | 7  |
| 3     | 8  |
| 4     | 7  |
| 4     | 8  |
| 6     | 10 |
| 9     | 10 |
| 13    | 15 |

|    |    |
|----|----|
| 13 | 16 |
| 14 | 15 |
| 14 | 16 |

### Phase and Overlap Descriptions

| Phase       | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------------|------|----|------|----|------|----|------|----|---|----|----|----|----|----|----|----|
| Description | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |   |    |    |    |    |    |    |    |
| Overlap     | A    | B  | C    | D  | E    | F  | G    | H  | I | J  | K  | L  | M  | N  | O  | P  |
| Description |      |    |      |    |      |    |      |    |   |    |    |    |    |    |    |    |

### Administration (MM) 1-7-1

Enable Controller/Cabinet No  
 Interlock CRC  
 CRC (16 bit) 0980  
 Enable Automatic Backup No  
 to Datakey

**Backup Prevent (MM) 1-1-3**

| Phases | 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------|----|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Timing | 1  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Phases | 2  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 3  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 4  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 5  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 6  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 7  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 8  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 9  | . | X | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 10 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 11 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 12 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 13 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 14 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 15 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|        | 16 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |

**Simultaneous Gap (MM) 1-1-4**

| Phases  | 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---------|----|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|         | 1  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 2  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 3  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 4  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 5  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Phase   | 6  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Must    | 7  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Gap     | 8  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| With    | 9  | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Phase   | 10 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 11 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 12 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 13 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 14 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 15 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
|         | 16 | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Disable |    | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |

**Load Switch Assignments (MM) 1-3**

|   | Phase / Overlap | Type | Dimming |        |       |      | Power Up | Auto |        | Flash Together |
|---|-----------------|------|---------|--------|-------|------|----------|------|--------|----------------|
|   |                 |      | Red     | Yellow | Green | Dark |          | Red  | Yellow |                |
| 1 | 1               | V    |         |        |       | -    | Auto     | X    |        |                |
| 2 | 2               | V    |         |        |       | -    | Auto     | X    |        | X              |
| 3 | 3               | V    |         |        |       | -    | Auto     | X    |        |                |
| 4 | 4               | V    |         |        |       | -    | Auto     | X    |        | X              |
| 5 | 5               | V    |         |        |       | +    | Auto     | X    |        |                |
| 6 | 6               | V    |         |        |       | +    | Auto     | X    |        | X              |
| 7 | 3               | O    |         |        |       | +    | Auto     | X    |        |                |
| 8 | 8               | V    |         |        |       | +    | Auto     | X    |        | X              |
| 9 | 0               | P    |         |        |       | -    | Auto     |      |        |                |

|    |    |   |  |  |  |   |      |   |  |   |
|----|----|---|--|--|--|---|------|---|--|---|
| 10 | 4  | P |  |  |  | - | Auto |   |  |   |
| 11 | 10 | P |  |  |  | + | Auto |   |  |   |
| 12 | 8  | P |  |  |  | + | Auto |   |  |   |
| 13 | 1  | O |  |  |  | - | Auto | X |  |   |
| 14 | 2  | O |  |  |  | + | Auto | X |  | X |
| 15 | 0  | . |  |  |  | - | Auto | X |  |   |
| 16 | 0  | . |  |  |  | + | Auto | X |  | X |

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**Configuration Port 1 (SDLC)**

**Port 1 SDLC (MM) 1-4-1**

| BIU             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----------------|---|---|---|---|---|---|---|---|
| Term & Facility | X | X |   |   |   |   |   |   |
| Detector Rack   | X | X |   |   |   |   |   |   |

Enable TS2/MMU Type Cabinet: Yes  
 Enable MMU Extended Status: Yes  
 Enable SDLC Stop Time: No  
 Enable 3 Critical RFE's Lockup: No

**MMU Program (MM) 1-4-2**

| Channel Can Serve With Channel |           |
|--------------------------------|-----------|
| Channel 1                      | Channel 2 |
|                                |           |

**Color Check Enable (MM) 1-4-3**

Enable Color Check: Yes

| MMU/LS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Green  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Yellow |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Red    |   |   |   |   |   |   |   |   |   |    |    |    | X  | X  |    |    |

**Secondary Stations/Tests (MM) 1-4-4**

| ID              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | MMU |
|-----------------|---|---|---|---|---|---|---|---|-----|
| Term & Facility |   |   |   |   |   |   |   |   |     |

| ID            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Diag |
|---------------|---|---|---|---|---|---|---|---|------|
| Detector Rack |   |   |   |   |   |   |   |   |      |

Enable SDLC Diagnostic Test: No

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**Configuration Communications 1 (SDLC)****Ethernet Port Configuration (MM) 1-5-1**

Controller IP: 192.168.10.177  
 Subnet Mask: 255.255.255.0  
 Default Gateway IP: 192.168.10.1  
 Server IP: 192.168.8.10

**NTCIP (MM) 1-5-5**

NTCIP Backup Time (Sec): 0  
 NTCIP UDP Port: 501  
 Ethernet Priority: 1  
 Port 2 Priority (Port C50S for 2070): 4  
 Port 3A Priority (Port C21S for 2070): 2  
 Port 3B Priority (Port C22S for 2070): 3

**Port Configuration (MM) 1-5-2 to 1-5-4**

| Port                     | 2 (C50S) | 3A (C21S) | 3B (C22S) |
|--------------------------|----------|-----------|-----------|
| Protocol                 | TERMINAL | NTCIP     | ECPIP     |
| Enable                   | No       | No        | Yes       |
| Data Rate (BPS)          | 9600     | 19.2K     | 1200      |
| Data, Parity, Stop       | 8 N 1    | 8 N 1     | 8 O 1     |
| Address                  | 0        | 0         | 1         |
| Telemetry Response Delay | 0.0      | 0.0       | 0.9       |
| Duplex - Half or Full    | Half     | Full      | Full      |
| Flow Control             | Yes      | Yes       | Yes       |
| Group Address            | 0        | 0         | 0         |
| Single Flag Enable       | Yes      | Yes       | Yes       |
| RTS to CTS Delay         | n/a      | n/a       | 3.0       |
| RTS Turn Off Delay       | n/a      | n/a       | 2.0       |
| Dropout Time             | 10       | 10        | 300       |
| Early RTS                | n/a      | n/a       | No        |
| Telemetry Mode           | n/a      | n/a       | FSK       |
| ATCS Railroad            | 0        | n/a       | n/a       |
| ATCS Railroad Line       | 0        | n/a       | n/a       |
| ATCS Group               | 0        | n/a       | n/a       |
| Wayside Device           | 0        | n/a       | n/a       |
| ATC Device               | 0        | n/a       | n/a       |
| Wayside Subnode          | 0        | n/a       | n/a       |
| ATC Subnode              | 0        | n/a       | n/a       |

**ECPIP (MM) 1-5-6**

Controller Address: 1  
 Expanded System Detector Address: 0

**System Detector  
Assignment**

| System<br>Detector | Local<br>Detector |
|--------------------|-------------------|
|--------------------|-------------------|



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**Configuration Logging / Display**

**Event Logging (MM) 1-6-1**

|                               |     |                                   |     |
|-------------------------------|-----|-----------------------------------|-----|
| Critical RFE's (MMU/TF)       | Yes | 3 Critical Errors Within 24 Hours | Yes |
| MMU Flash Faults              | Yes | Local Flash Fault                 | Yes |
| Non-Critical RFE's (Det/Test) | Yes | Detector Errors                   | Yes |
| Coordination Errors           | Yes | Controller Download               | Yes |
| Preemption Events             | Yes | TSP Events                        | Yes |
| Power On/Off                  | Yes | Low Battery                       | Yes |
| Access                        | Yes | Data Change                       | Yes |
| Online / Offline              | Yes |                                   |     |

| Alarm Event    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Enable Logging | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  |

**Display Options (MM) 1-7-2**

|                            |       |
|----------------------------|-------|
| Key Click Enable:          | Yes   |
| Backlight Enable:          | Yes   |
| LED Mode:                  | Auto  |
| Display Mode:              | Basic |
| Screen Format:             | Basic |
| Trans Mode Pop-Up Disable: | No    |

**Sign On (MM) 8-5**

Sign On Message Line 1: Solutions that Move the World  
 Sign On Message Line 2:

**Software Modules (MM) 8-7**

Application Version: 02.59.00  
 OS (Boot) Version: 01.14.03

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**Logic Processor Page 1****Logic Statement Control (MM) 1-8-1**

| Logic # | Statement Control |
|---------|-------------------|
| 1       | E                 |
| 2       | E                 |
| 3       | E                 |
| 4       | E                 |
| 5       | E                 |

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## Logic Processor Page 2

## Logic Statements (MM) 1-8-2

## Logic #: 1

If:

|     | Assignment        | #     | State |
|-----|-------------------|-------|-------|
| IF  | VEH GREEN ON PH   | 10 IS | On    |
| AND | PED ON PH PED CLR | 10 IS | On    |
| AND | CTR ON PHASE CALL | 7 IS  | On    |

Then:

| Assignment        | # | State |
|-------------------|---|-------|
| LP SET LOGIC FLAG | 1 | On    |

Else:

| Assignment        | # | State |
|-------------------|---|-------|
| LP SET LOGIC FLAG | 1 | Off   |

## Logic #: 2

If:

|     | Assignment         | #     | State |
|-----|--------------------|-------|-------|
| IF  | VEH GREEN ON PH    | 9 IS  | Off   |
| AND | CTR ON PHASE CALL  | 7 IS  | On    |
| AND | CTR PED CALL ON PH | 10 IS | On    |
| AND | VEH GREEN ON PH    | 10 IS | Off   |

Then:

| Assignment        | # | State |
|-------------------|---|-------|
| LP SET LOGIC FLAG | 2 | On    |

Else:

| Assignment        | # | State |
|-------------------|---|-------|
| LP SET LOGIC FLAG | 2 | Off   |

## Logic #: 3

**If:**

|     | <b>Assignment</b>    | <b>#</b> | <b>State</b> |
|-----|----------------------|----------|--------------|
| IF  | VEH GREEN ON<br>PH   | 10       | IS On        |
|     | AND PED ON PH WALK   | 10       | IS On        |
| AND | CTR ON PHASE<br>CALL | 7        | IS On        |

**Then:**

|  | <b>Assignment</b>    | <b>#</b> | <b>State</b> |
|--|----------------------|----------|--------------|
|  | LP SET LOGIC<br>FLAG | 3        | On           |

**Else:**

|  | <b>Assignment</b>    | <b>#</b> | <b>State</b> |
|--|----------------------|----------|--------------|
|  | LP SET LOGIC<br>FLAG | 3        | Off          |

|                   |
|-------------------|
| <b>Logic #: 4</b> |
|-------------------|

**If:**

|    | <b>Assignment</b> | <b>#</b> | <b>State</b> |
|----|-------------------|----------|--------------|
| IF | LP LOGIC FLAG     | 1        | IS On        |
| OR | LP LOGIC FLAG     | 2        | IS On        |
| OR | LP LOGIC FLAG     | 3        | IS On        |

**Then:**

|  | <b>Assignment</b> | <b>#</b> | <b>State</b> |
|--|-------------------|----------|--------------|
|  | CTR CALL PHASE 9  | 9        | On           |

**Else:**

|  | <b>Assignment</b> | <b>#</b> | <b>State</b> |
|--|-------------------|----------|--------------|
|  | CTR CALL PHASE 9  | 9        | Off          |

|                   |
|-------------------|
| <b>Logic #: 5</b> |
|-------------------|

**If:**

|     | <b>Assignment</b>     | <b>#</b> | <b>State</b> |
|-----|-----------------------|----------|--------------|
| IF  | CTR PED CALL<br>ON PH | 10       | IS On        |
| AND | CTR ON PHASE<br>CALL  | 6        | IS Off       |
| AND | CTR ON PHASE<br>CALL  | 2        | IS Off       |
| AND | CTR ON PHASE<br>CALL  | 7        | IS Off       |
| AND | VEH GREEN ON<br>PH    | 2        | IS Off       |

**Then:**

|  | <b>Assignment</b> | <b>#</b> | <b>State</b> |
|--|-------------------|----------|--------------|
|  | CTR CALL PHASE 2  | 2        | On           |

## City of Garden Grove, CA



MOVING TRAFFIC FORWARD

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

## Controller Timing Plan (MM) 2-1

## Plan 1

| Phase         | 1    | 2   | 3    | 4   | 5    | 6   | 7    | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
|---------------|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Direction     | EBLT | WB  | NBLT | SB  | WBLT | EB  | SBLT | NB  |     |     |     |     |     |     |     |     |
| Min Green     | 5    | 10  | 5    | 10  | 5    | 10  | 5    | 10  | 5   | 4   | 5   | 5   | 5   | 5   | 5   | 5   |
| Bk Min Green  | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| CS Min Green  | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Delay Green   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Walk          | 0    | 0   | 0    | 7   | 0    | 0   | 0    | 7   | 0   | 7   | 0   | 10  | 0   | 10  | 0   | 10  |
| Walk2         | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Walk Max      | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped Clear     | 0    | 0   | 0    | 21  | 0    | 0   | 0    | 19  | 0   | 40  | 0   | 16  | 0   | 16  | 0   | 16  |
| Ped Clear 2   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped Clear Max | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped CO        | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Vehicle Ext   | 2.0  | 2.0 | 2.0  | 4.0 | 2.0  | 3.0 | 2.0  | 4.0 | 2.0 | 2.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Vehicle Ext 2 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Max1          | 20   | 30  | 25   | 45  | 25   | 30  | 35   | 50  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  |
| Max2          | 40   | 40  | 40   | 40  | 40   | 40  | 40   | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  |
| Max3          | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| DYM Max       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Dym Step      | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Yellow        | 4.8  | 4.8 | 4.8  | 4.8 | 4.8  | 4.8 | 4.8  | 4.8 | 4.8 | 2.0 | 3.0 | 4.8 | 3.0 | 3.0 | 3.0 | 3.0 |
| Red Clear     | 1.0  | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Red Max       | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red Revert    | 2.0  | 2.0 | 2.0  | 2.0 | 2.0  | 2.0 | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Act B4        | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Sec/Act       | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Max Int       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Time B4       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Cars Wt       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| STPTDuc       | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TTReduc       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Min Gap       | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Plan 2**

| Phase         | 1           | 2         | 3           | 4         | 5           | 6         | 7           | 8         | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
|---------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|
| Direction     | <b>EBLT</b> | <b>WB</b> | <b>NBLT</b> | <b>SB</b> | <b>WBLT</b> | <b>EB</b> | <b>SBLT</b> | <b>NB</b> |     |     |     |     |     |     |     |     |
| Min Green     | 5           | 5         | 5           | 5         | 5           | 5         | 5           | 5         | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |
| Bk Min Green  | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| CS Min Green  | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Delay Green   | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Walk          | 0           | 10        | 0           | 10        | 0           | 10        | 0           | 10        | 0   | 10  | 0   | 10  | 0   | 10  | 0   | 10  |
| Walk2         | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Walk Max      | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped Clear     | 0           | 16        | 0           | 16        | 0           | 16        | 0           | 16        | 0   | 16  | 0   | 16  | 0   | 16  | 0   | 16  |
| Ped Clear 2   | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped Clear Max | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped CO        | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Vehicle Ext   | 5.0         | 5.0       | 5.0         | 5.0       | 5.0         | 5.0       | 5.0         | 5.0       | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Vehicle Ext 2 | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Max1          | 35          | 35        | 35          | 35        | 35          | 35        | 35          | 35        | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  |
| Max2          | 40          | 40        | 40          | 40        | 40          | 40        | 40          | 40        | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  |
| Max3          | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| DYM Max       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Dym Step      | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Yellow        | 3.0         | 3.0       | 3.0         | 3.0       | 3.0         | 3.0       | 3.0         | 3.0       | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Red Clear     | 1.0         | 1.0       | 1.0         | 1.0       | 1.0         | 1.0       | 1.0         | 1.0       | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Red Max       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red Revert    | 2.0         | 2.0       | 2.0         | 2.0       | 2.0         | 2.0       | 2.0         | 2.0       | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Act B4        | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Sec/Act       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Max Int       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Time B4       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Cars Wt       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| STPTDuc       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TTReduc       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Min Gap       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Plan 3**

| Phase         | 1           | 2         | 3           | 4         | 5           | 6         | 7           | 8         | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
|---------------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|
| Direction     | <b>EBLT</b> | <b>WB</b> | <b>NBLT</b> | <b>SB</b> | <b>WBLT</b> | <b>EB</b> | <b>SBLT</b> | <b>NB</b> |     |     |     |     |     |     |     |     |
| Min Green     | 5           | 5         | 5           | 5         | 5           | 5         | 5           | 5         | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |
| Bk Min Green  | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| CS Min Green  | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Delay Green   | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Walk          | 0           | 10        | 0           | 10        | 0           | 10        | 0           | 10        | 0   | 10  | 0   | 10  | 0   | 10  | 0   | 10  |
| Walk2         | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Walk Max      | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped Clear     | 0           | 16        | 0           | 16        | 0           | 16        | 0           | 16        | 0   | 16  | 0   | 16  | 0   | 16  | 0   | 16  |
| Ped Clear 2   | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped Clear Max | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped CO        | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Vehicle Ext   | 5.0         | 5.0       | 5.0         | 5.0       | 5.0         | 5.0       | 5.0         | 5.0       | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Vehicle Ext 2 | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Max1          | 35          | 35        | 35          | 35        | 35          | 35        | 35          | 35        | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  |
| Max2          | 40          | 40        | 40          | 40        | 40          | 40        | 40          | 40        | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  |
| Max3          | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| DYM Max       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Dym Step      | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Yellow        | 3.0         | 3.0       | 3.0         | 3.0       | 3.0         | 3.0       | 3.0         | 3.0       | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Red Clear     | 1.0         | 1.0       | 1.0         | 1.0       | 1.0         | 1.0       | 1.0         | 1.0       | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Red Max       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red Revert    | 2.0         | 2.0       | 2.0         | 2.0       | 2.0         | 2.0       | 2.0         | 2.0       | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Act B4        | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Sec/Act       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Max Int       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Time B4       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Cars Wt       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| STPTDuc       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TTReduc       | 0           | 0         | 0           | 0         | 0           | 0         | 0           | 0         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Min Gap       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0         | 0.0       | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Plan 4**

| Phase         | 1    | 2   | 3    | 4   | 5    | 6   | 7    | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
|---------------|------|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Direction     | EBLT | WB  | NBLT | SB  | WBLT | EB  | SBLT | NB  |     |     |     |     |     |     |     |     |
| Min Green     | 5    | 5   | 5    | 5   | 5    | 5   | 5    | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |
| Bk Min Green  | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| CS Min Green  | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Delay Green   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Walk          | 0    | 10  | 0    | 10  | 0    | 10  | 0    | 10  | 0   | 10  | 0   | 10  | 0   | 10  | 0   | 10  |
| Walk2         | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Walk Max      | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped Clear     | 0    | 16  | 0    | 16  | 0    | 16  | 0    | 16  | 0   | 16  | 0   | 16  | 0   | 16  | 0   | 16  |
| Ped Clear 2   | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped Clear Max | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Ped CO        | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Vehicle Ext   | 5.0  | 5.0 | 5.0  | 5.0 | 5.0  | 5.0 | 5.0  | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Vehicle Ext 2 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Max1          | 35   | 35  | 35   | 35  | 35   | 35  | 35   | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  | 35  |
| Max2          | 40   | 40  | 40   | 40  | 40   | 40  | 40   | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  | 40  |
| Max3          | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| DYM Max       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Dym Step      | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Yellow        | 3.0  | 3.0 | 3.0  | 3.0 | 3.0  | 3.0 | 3.0  | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Red Clear     | 1.0  | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Red Max       | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Red Revert    | 2.0  | 2.0 | 2.0  | 2.0 | 2.0  | 2.0 | 2.0  | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Act B4        | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Sec/Act       | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Max Int       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Time B4       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Cars Wt       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| STPTDuc       | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TTReduc       | 0    | 0   | 0    | 0   | 0    | 0   | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| Min Gap       | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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## Controller Overlaps

## Vehicle Overlaps (MM) 2-2

| Overlap | Type            | Lag Green | Yellow | Red | Adv. Green |
|---------|-----------------|-----------|--------|-----|------------|
| A       | Normal          | 0.0       | 4.0    | 1.0 | 0.0        |
| B       | Other/Econolite | 0.0       | 4.0    | 1.0 | 0.0        |
| C       | Normal          | 0.0       | 4.0    | 1.0 | 0.0        |

## Phases

| Overlap | Phase | Included | Protect | Ped Protect | Not Overlap | Modifier | Lag X Phases | Lag 2 Phases | Flash Green |
|---------|-------|----------|---------|-------------|-------------|----------|--------------|--------------|-------------|
| A       | 2     | Yes      | No      | No          | No          |          | No           | No           | .           |
| A       | 7     | Yes      | No      | No          | No          |          | No           | No           | .           |
| A       | 9     | Yes      | No      | No          | No          |          | No           | No           | .           |
| B       | 5     | Yes      | Yes     | No          | No          |          | No           | No           | .           |
| B       | 8     | Yes      | No      | No          | No          |          | No           | No           | .           |
| C       | 7     | Yes      | No      | No          | No          |          | No           | No           | .           |
| C       | 9     | Yes      | No      | No          | No          |          | No           | No           | .           |

## PPLT FYA

| Overlap | Protected Phase (Left Turn) | Permissive Phase (Opposing Thru) | Flashing Arrow Output | Flashing Arrow Output CH | Delay Start of FYA | Delay Start of Clearance | Action Plan SF Bit Disable | Ped Protected Enable |
|---------|-----------------------------|----------------------------------|-----------------------|--------------------------|--------------------|--------------------------|----------------------------|----------------------|
|         |                             |                                  |                       |                          |                    |                          |                            |                      |

## Guaranteed Minimum Time Data (MM) 2-4

| Phase | Min Green | Walk | Ped Clear | Yellow | Red Clear | Overlap Green |
|-------|-----------|------|-----------|--------|-----------|---------------|
| A01   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| B02   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| C03   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| D04   | 4         | 0    | 7         | 3.0    | 0.0       | 4             |
| E05   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| F06   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| G07   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| H08   | 4         | 0    | 7         | 3.0    | 0.0       | 4             |
| I09   | 3         | 0    | 0         | 3.0    | 0.0       | 4             |
| J10   | 3         | 0    | 7         | 3.0    | 0.0       | 4             |
| K11   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| L12   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| M13   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| N14   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |
| O15   | 4         | 0    | 0         | 3.0    | 0.0       | 4             |

|     |   |   |   |     |     |   |
|-----|---|---|---|-----|-----|---|
| P16 | 4 | 0 | 0 | 3.0 | 0.0 | 4 |
|-----|---|---|---|-----|-----|---|

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**Controller Pedestrian Overlaps**

**Vehicle / Pedestrian Overlaps (MM) 2-3**

| Included | Pedestrian Overlaps |
|----------|---------------------|
|----------|---------------------|

## City of Garden Grove, CA



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**Controller Start / Flash Data (MM) 2-5****Start Up**

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

| Overlap |
|---------|
| A       |
| B       |
| C       |
| D       |

Flash Thru Mon: No  
Flash Time: 8  
All Red: 6  
Power Start Seq: 1  
MUTCD Enabled: No  
Y->G: n/a

**Automatic Flash**

| Entry |
|-------|
| 2     |
| 6     |

| Exit |
|------|
| 2    |
| 6    |

| Overlap Exit |
|--------------|
| A            |
| B            |
| C            |
| D            |

Flash Thru Mon: No  
Exit Flash: W  
Minimum Flash: 8  
Minimum Recall: No  
Cycle Through Phase: No

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**Controller Options**

**Controller Options (MM) 2-6-1**

| Phase           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Flashing Grn Ph | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Guar Passage    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Non-Act I       |   |   |   | X |   |   |   | X |   |    |    |    |    |    |    |    |
| Non-Act II      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Dual Entry      | X |   |   |   | X |   |   | X | X |    |    |    |    |    |    |    |
| Cond Service    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Cond Reservice  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Ped Re-Service  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Rest In Walk    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Flashing Walk   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Ped Clr-Yel     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Ped Clr-Red     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| IGRN + Veh Ext  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

Ped Clear Protect: Off Unit Red Revert: 2.0 MUTCD 3 Seconds Don't Walk: No

**Pre-Timed Mode (MM) 2-7**

Enable Pre-Timed Mode: No Free Input Disables Pre-Timed: No

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

**Phase Recall Options (MM) 2-8**

**Plan # 1**

|                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Lock Detector  | X |   | X | X | X |   |   | X |   |    |    |    |    |    |    |    |
| Vehicle Recall |   |   |   | X |   |   |   | X |   |    |    |    |    |    |    |    |
| Ped Recall     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Soft Recall    |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| No Rest        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| AI Calc        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

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**Coordination Options**

**Options (MM) 3-1**

|                   |         |               |         |
|-------------------|---------|---------------|---------|
| Manual Pattern    | Free    | ECPI Coord    | Yes     |
| System Source     | TBC     | System Format | STD     |
| Splits In         | Seconds | Offsets In    | Seconds |
| Transition        | Smooth  | Max Select    | MAXINH  |
| Dwell / Add Time  | 0       |               |         |
| Delay Coord Wk-LZ | No      | Force Off     | Float   |
| Offset Reference  | Lead    | Use Ped Time  | Yes     |
| Ped Recall        | No      | Ped Reservice | No      |
| Local Zero        | No      | FO Added Ini  | No      |
| Override          |         | Green         |         |
| Re-sync Count     | 0       | Multisync     | No      |

**Auto Perm Minimum Green (Seconds) (MM) 3-4**

| Phase         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Minimum Green | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

**Split Demand (MM) 3-5**

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

| Demand          | 1 | 2 |
|-----------------|---|---|
| Detector        | 0 | 0 |
| Call Time (Sec) | 0 | 0 |
| Cycle Count     | 0 | 0 |

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**Coordination Pattern Data**

**Coordinator Pattern Data (MM) 3-2**

**Coordinator Pattern # 1**

|                    |      |                |      |            |         |
|--------------------|------|----------------|------|------------|---------|
| Split Pattern      | 1    | TS2 (Pat-Off)  | 0-1  | Splits In  | Seconds |
| Cycle              | 130  | Std (COS)      | 9    | Offsets In | Seconds |
| Offset Value       | 11s  | Dwell/Add Time | 0    |            |         |
| Actuated Coord     | Yes  | Timing Plan    | 1    |            |         |
| Actuated Walk Rest | No   | Sequence       | 10   |            |         |
| Phase              | No   | Action Plan    | 1    |            |         |
| Reservice          |      |                |      |            |         |
| Max Select         | None | Force Off      | None |            |         |

**Split Preference Phases**

| Phase                | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description          | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Splits (Split Pat 1) | 15   | 33 | 14   | 47 | 16   | 32 | 27   | 34 | 21 | 21 | 0  | 0  | 0  | 0  | 0  | 0  |
| Pref 1               | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Pref 2               | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

| Ring              | 1    | 2    | 3   | 4  |
|-------------------|------|------|-----|----|
| Ring Split Ext    | 0    | 0    | 0   | 0  |
| Ring Displacement | -    | 0    | 0   | 0  |
| Split Sum         | 109s | 130s | 21s | 0s |

Misc. Data  
 Veh Perm 1 0 Veh Perm 2 0 Veh Perm 2 Disp 0  
 Split Demand Pat 1 0 Split Demand Pat 2 0 Crossing Arterial Pat 0

**Split Pattern**

| Phase                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Coord Phase              |   |   |   | X |   |   |   | X |   |    |    |    |    |    |    |    |
| Vehicle Recall           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Pedestrian Recall        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Recall to Max. Time      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit Phase               |   |   |   |   |   |   |   |   |   |    | X  | X  | X  | X  | X  | X  |
| Special Function Outputs |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |



**Coordinator Pattern # 2**

|                    |      |                |      |            |         |
|--------------------|------|----------------|------|------------|---------|
| Split Pattern      | 2    | TS2 (Pat-Off)  | 0-2  | Splits In  | Seconds |
| Cycle              | 130  | Std (COS)      | 17   | Offsets In | Seconds |
| Offset Value       | 97s  | Dwell/Add Time | 0    |            |         |
| Actuated Coord     | Yes  | Timing Plan    | 1    |            |         |
| Actuated Walk Rest | No   | Sequence       | 10   |            |         |
| Phase              | No   | Action Plan    | 2    |            |         |
| Reservice          |      |                |      |            |         |
| Max Select         | None | Force Off      | None |            |         |

**Split Preference Phases**

| Phase                | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description          | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Splits (Split Pat 2) | 30   | 28 | 18   | 35 | 17   | 41 | 19   | 34 | 19 | 19 | 0  | 0  | 0  | 0  | 0  | 0  |
| Pref 1               | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Pref 2               | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

| Ring              | 1    | 2    | 3   | 4  |
|-------------------|------|------|-----|----|
| Ring Split Ext    | 0    | 0    | 0   | 0  |
| Ring Displacement | -    | 0    | 0   | 0  |
| Split Sum         | 111s | 130s | 19s | 0s |

Misc. Data  
 Veh Perm 1 0 Veh Perm 2 0 Veh Perm 2 Disp 0  
 Split Demand Pat 1 0 Split Demand Pat 2 0 Crossing Arterial Pat 0

**Split Pattern**

| Phase                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Coord Phase              |   |   |   | X |   |   |   | X |   |    |    |    |    |    |    |    |
| Vehicle Recall           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Pedestrian Recall        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Recall to Max. Time      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit Phase               |   |   |   |   |   |   |   |   |   | X  | X  | X  | X  | X  | X  | X  |
| Special Function Outputs |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

**Coordinator Pattern # 3**

|                    |      |                |      |            |         |
|--------------------|------|----------------|------|------------|---------|
| Split Pattern      | 3    | TS2 (Pat-Off)  | 0-3  | Splits In  | Seconds |
| Cycle              | 130  | Std (COS)      | 25   | Offsets In | Seconds |
| Offset Value       | 17s  | Dwell/Add Time | 0    |            |         |
| Actuated Coord     | Yes  | Timing Plan    | 1    |            |         |
| Actuated Walk Rest | No   | Sequence       | 5    |            |         |
| Phase              | No   | Action Plan    | 3    |            |         |
| Reservice          |      |                |      |            |         |
| Max Select         | None | Force Off      | None |            |         |

**Split Preference Phases**

| Phase                | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|----------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description          | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Splits (Split Pat 3) | 16   | 34 | 19   | 35 | 16   | 34 | 17   | 37 | 26 | 26 | 0  | 0  | 0  | 0  | 0  | 0  |

|        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pref 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pref 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Ring              | 1    | 2    | 3   | 4  |
|-------------------|------|------|-----|----|
| Ring Split Ext    | 0    | 0    | 0   | 0  |
| Ring Displacement | -    | 0    | 0   | 0  |
| Split Sum         | 104s | 130s | 26s | 0s |

Misc. Data

Veh Perm 1 0    Veh Perm 2 0    Veh Perm 2 Disp 0  
 Split Demand Pat 1 0    Split Demand Pat 2 0    Crossing Arterial Pat 0

**Split Pattern**

| Phase                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Coord Phase              |   |   |   | X |   |   |   | X |   |    |    |    |    |    |    |    |
| Vehicle Recall           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Pedestrian Recall        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Recall to Max. Time      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit Phase               |   |   |   |   |   |   |   |   |   |    | X  | X  | X  | X  | X  | X  |
| Special Function Outputs |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

**Coordinator Pattern # 11**

|                    |      |                |      |            |         |
|--------------------|------|----------------|------|------------|---------|
| Split Pattern      | 11   | TS2 (Pat-Off)  | 3-2  | Splits In  | Seconds |
| Cycle              | 120  | Std (COS)      | 137  | Offsets In | Seconds |
| Offset Value       | 55s  | Dwell/Add Time | 0    |            |         |
| Actuated Coord     | Yes  | Timing Plan    | 1    |            |         |
| Actuated Walk Rest | No   | Sequence       | 1    |            |         |
| Phase              | No   | Action Plan    | 11   |            |         |
| Reservice          |      |                |      |            |         |
| Max Select         | None | Force Off      | None |            |         |

**Split Preference Phases**

| Phase                 | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-----------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description           | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Splits (Split Pat 11) | 17   | 27 | 15   | 50 | 16   | 28 | 20   | 45 | 11 | 11 | 0  | 0  | 0  | 0  | 0  | 0  |
| Pref 1                | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Pref 2                | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

| Ring              | 1    | 2    | 3   | 4  |
|-------------------|------|------|-----|----|
| Ring Split Ext    | 0    | 0    | 0   | 0  |
| Ring Displacement | -    | 0    | 0   | 0  |
| Split Sum         | 109s | 120s | 11s | 0s |

Misc. Data

|                    |   |                    |   |                       |   |
|--------------------|---|--------------------|---|-----------------------|---|
| Veh Perm 1         | 0 | Veh Perm 2         | 0 | Veh Perm 2 Disp       | 0 |
| Split Demand Pat 1 | 0 | Split Demand Pat 2 | 0 | Crossing Arterial Pat | 0 |

**Split Pattern**

| Phase                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Coord Phase              |   |   |   | X |   |   |   | X |   |    |    |    |    |    |    |    |
| Vehicle Recall           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Pedestrian Recall        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Recall to Max. Time      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit Phase               |   |   |   |   |   |   |   |   |   |    | X  | X  | X  | X  | X  | X  |
| Special Function Outputs |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

**Coordinator Pattern # 12**

|                    |      |                |      |            |         |
|--------------------|------|----------------|------|------------|---------|
| Split Pattern      | 12   | TS2 (Pat-Off)  | 3-3  | Splits In  | Seconds |
| Cycle              | 120  | Std (COS)      | 145  | Offsets In | Seconds |
| Offset Value       | 49s  | Dwell/Add Time | 0    |            |         |
| Actuated Coord     | Yes  | Timing Plan    | 1    |            |         |
| Actuated Walk Rest | No   | Sequence       | 1    |            |         |
| Phase              | No   | Action Plan    | 12   |            |         |
| Reservice          |      |                |      |            |         |
| Max Select         | None | Force Off      | None |            |         |

**Split Preference Phases**

| Phase       | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------------|------|----|------|----|------|----|------|----|---|----|----|----|----|----|----|----|
| Description | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |   |    |    |    |    |    |    |    |

|                       |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |
|-----------------------|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|
| Splits (Split Pat 12) | 16 | 23 | 13 | 53 | 13 | 26 | 15 | 51 | 15 | 38 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pref 1                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| Pref 2                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 |

| Ring              | 1    | 2    | 3   | 4  |
|-------------------|------|------|-----|----|
| Ring Split Ext    | 0    | 0    | 0   | 0  |
| Ring Displacement | -    | 0    | 0   | 0  |
| Split Sum         | 105s | 120s | 38s | 0s |

Misc. Data  
 Veh Perm 1 0 Veh Perm 2 0 Veh Perm 2 Disp 0  
 Split Demand Pat 1 0 Split Demand Pat 2 0 Crossing Arterial Pat 0

**Split Pattern**

| Phase                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Coord Phase              |   |   |   | X |   |   |   | X |   |    |    |    |    |    |    |    |
| Vehicle Recall           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Pedestrian Recall        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Recall to Max. Time      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit Phase               |   |   |   |   |   |   |   |   |   |    | X  | X  | X  | X  | X  | X  |
| Special Function Outputs |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

**Coordinator Pattern # 13**

|                    |      |                |      |            |         |
|--------------------|------|----------------|------|------------|---------|
| Split Pattern      | 13   | TS2 (Pat-Off)  | 4-1  | Splits In  | Seconds |
| Cycle              | 130  | Std (COS)      | 153  | Offsets In | Seconds |
| Offset Value       | 8s   | Dwell/Add Time | 0    |            |         |
| Actuated Coord     | Yes  | Timing Plan    | 1    |            |         |
| Actuated Walk Rest | No   | Sequence       | 9    |            |         |
| Phase              | No   | Action Plan    | 13   |            |         |
| Reservice          |      |                |      |            |         |
| Max Select         | None | Force Off      | None |            |         |

**Split Preference Phases**

| Phase                 | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-----------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description           | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Splits (Split Pat 13) | 17   | 22 | 20   | 55 | 17   | 22 | 16   | 59 | 16 | 38 | 0  | 0  | 0  | 0  | 0  | 0  |
| Pref 1                | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Pref 2                | 0    | 0  | 0    | 0  | 0    | 0  | 0    | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

| Ring              | 1    | 2    | 3   | 4  |
|-------------------|------|------|-----|----|
| Ring Split Ext    | 0    | 0    | 0   | 0  |
| Ring Displacement | -    | 0    | 0   | 0  |
| Split Sum         | 114s | 130s | 38s | 0s |

Misc. Data

|                    |   |                    |   |                       |   |
|--------------------|---|--------------------|---|-----------------------|---|
| Veh Perm 1         | 0 | Veh Perm 2         | 0 | Veh Perm 2 Disp       | 0 |
| Split Demand Pat 1 | 0 | Split Demand Pat 2 | 0 | Crossing Arterial Pat | 0 |

**Split Pattern**

| Phase                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Coord Phase              |   |   |   | X |   |   |   | X |   |    |    |    |    |    |    |    |
| Vehicle Recall           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Pedestrian Recall        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Recall to Max. Time      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit Phase               |   |   |   |   |   |   |   |   |   |    | X  | X  | X  | X  | X  | X  |
| Special Function Outputs |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

**Coordinator Pattern # 14**

|                    |      |                |      |            |         |
|--------------------|------|----------------|------|------------|---------|
| Split Pattern      | 14   | TS2 (Pat-Off)  | 4-2  | Splits In  | Seconds |
| Cycle              | 120  | Std (COS)      | 161  | Offsets In | Seconds |
| Offset Value       | 20s  | Dwell/Add Time | 0    |            |         |
| Actuated Coord     | Yes  | Timing Plan    | 1    |            |         |
| Actuated Walk Rest | No   | Sequence       | 1    |            |         |
| Phase              | No   | Action Plan    | 14   |            |         |
| Reservice          |      |                |      |            |         |
| Max Select         | None | Force Off      | None |            |         |

**Split Preference Phases**

| Phase       | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-------------|------|----|------|----|------|----|------|----|---|----|----|----|----|----|----|----|
| Description | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |   |    |    |    |    |    |    |    |

|                       |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |
|-----------------------|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|
| Splits (Split Pat 14) | 19 | 23 | 15 | 49 | 16 | 22 | 14 | 48 | 14 | 38 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pref 1                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 |
| Pref 2                | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | 0 | 0 | 0 |

| Ring              | 1    | 2    | 3   | 4  |
|-------------------|------|------|-----|----|
| Ring Split Ext    | 0    | 0    | 0   | 0  |
| Ring Displacement | -    | 0    | 0   | 0  |
| Split Sum         | 106s | 114s | 38s | 0s |

Misc. Data  
 Veh Perm 1 0 Veh Perm 2 0 Veh Perm 2 Disp 0  
 Split Demand Pat 1 0 Split Demand Pat 2 0 Crossing Arterial Pat 0

**Split Pattern**

| Phase                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Coord Phase              |   |   |   | X |   |   |   | X |   |    |    |    |    |    |    |    |
| Vehicle Recall           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Pedestrian Recall        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Recall to Max. Time      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit Phase               |   |   |   |   |   |   |   |   |   |    | X  | X  | X  | X  | X  | X  |
| Special Function Outputs |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |



City of Garden Grove, CA



MOVING TRAFFIC FORWARD

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

**Coordination Split Pattern**  
**Split Pattern Data (MM) 3-3**

**Split Pattern # 1**

| Phase               | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description         | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Split (seconds)     | 15   | 33 | 14   | 47 | 16   | 32 | 27   | 34 | 21 | 21 | 0  | 0  | 0  | 0  | 0  | 0  |
| Coord Phase         |      |    |      | X  |      |    |      | X  |    |    |    |    |    |    |    |    |
| Vehicle Recall      |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Pedestrian Recall   |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Recall to Max. Time |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Omit Phase          |      |    |      |    |      |    |      |    |    |    | X  | X  | X  | X  | X  | X  |

| Ring      | 1    | 2    | 3   | 4  |
|-----------|------|------|-----|----|
| Split Sum | 109s | 130s | 21s | 0s |

**Split Pattern # 2**

| Phase               | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description         | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Split (seconds)     | 30   | 28 | 18   | 35 | 17   | 41 | 19   | 34 | 19 | 19 | 0  | 0  | 0  | 0  | 0  | 0  |
| Coord Phase         |      |    |      | X  |      |    |      | X  |    |    |    |    |    |    |    |    |
| Vehicle Recall      |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Pedestrian Recall   |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Recall to Max. Time |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Omit Phase          |      |    |      |    |      |    |      |    |    |    | X  | X  | X  | X  | X  | X  |

| Ring      | 1    | 2    | 3   | 4  |
|-----------|------|------|-----|----|
| Split Sum | 111s | 130s | 19s | 0s |

**Split Pattern # 3**

| Phase               | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|---------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description         | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Split (seconds)     | 16   | 34 | 19   | 35 | 16   | 34 | 17   | 37 | 26 | 26 | 0  | 0  | 0  | 0  | 0  | 0  |
| Coord Phase         |      |    |      | X  |      |    |      | X  |    |    |    |    |    |    |    |    |
| Vehicle Recall      |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Pedestrian Recall   |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Recall to Max. Time |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Omit Phase          |      |    |      |    |      |    |      |    |    |    | X  | X  | X  | X  | X  | X  |



| Ring      | 1    | 2    | 3   | 4  |
|-----------|------|------|-----|----|
| Split Sum | 104s | 130s | 26s | 0s |

**Split Pattern # 11**

| Phase                  | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description            | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Split (seconds)        | 17   | 27 | 15   | 50 | 16   | 28 | 20   | 45 | 11 | 11 | 0  | 0  | 0  | 0  | 0  | 0  |
| Coord Phase            |      |    |      | X  |      |    |      | X  |    |    |    |    |    |    |    |    |
| Vehicle Recall         |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Pedestrian Recall      |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Recall to Max.<br>Time |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Omit Phase             |      |    |      |    |      |    |      |    |    |    | X  | X  | X  | X  | X  | X  |

| Ring      | 1    | 2    | 3   | 4  |
|-----------|------|------|-----|----|
| Split Sum | 109s | 120s | 11s | 0s |

**Split Pattern # 12**

| Phase                  | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description            | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Split (seconds)        | 16   | 23 | 13   | 53 | 13   | 26 | 15   | 51 | 15 | 38 | 0  | 0  | 0  | 0  | 0  | 0  |
| Coord Phase            |      |    |      | X  |      |    |      | X  |    |    |    |    |    |    |    |    |
| Vehicle Recall         |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Pedestrian Recall      |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Recall to Max.<br>Time |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Omit Phase             |      |    |      |    |      |    |      |    |    |    | X  | X  | X  | X  | X  | X  |

| Ring      | 1    | 2    | 3   | 4  |
|-----------|------|------|-----|----|
| Split Sum | 105s | 120s | 38s | 0s |

**Split Pattern # 13**

| Phase                  | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------------|------|----|------|----|------|----|------|----|----|----|----|----|----|----|----|----|
| Description            | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |    |    |    |    |    |    |
| Split (seconds)        | 17   | 22 | 20   | 55 | 17   | 22 | 16   | 59 | 16 | 38 | 0  | 0  | 0  | 0  | 0  | 0  |
| Coord Phase            |      |    |      | X  |      |    |      | X  |    |    |    |    |    |    |    |    |
| Vehicle Recall         |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Pedestrian Recall      |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Recall to Max.<br>Time |      |    |      |    |      |    |      |    |    |    |    |    |    |    |    |    |
| Omit Phase             |      |    |      |    |      |    |      |    |    |    | X  | X  | X  | X  | X  | X  |

| Ring      | 1    | 2    | 3   | 4  |
|-----------|------|------|-----|----|
| Split Sum | 114s | 130s | 38s | 0s |

**Split Pattern # 14**

| Phase                  | 1    | 2  | 3    | 4  | 5    | 6  | 7    | 8  | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------------|------|----|------|----|------|----|------|----|---|----|----|----|----|----|----|----|
| Description            | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |   |    |    |    |    |    |    |    |
| Split (seconds)        |      |    |      |    |      |    |      |    |   |    |    |    |    |    |    |    |
| Coord Phase            |      |    |      |    |      |    |      |    |   |    |    |    |    |    |    |    |
| Vehicle Recall         |      |    |      |    |      |    |      |    |   |    |    |    |    |    |    |    |
| Pedestrian Recall      |      |    |      |    |      |    |      |    |   |    |    |    |    |    |    |    |
| Recall to Max.<br>Time |      |    |      |    |      |    |      |    |   |    |    |    |    |    |    |    |
| Omit Phase             |      |    |      |    |      |    |      |    |   |    |    |    |    |    |    |    |

| Description            | EBLT | WB | NBLT | SB | WBLT | EB | SBLT | NB |    |    |   |   |   |   |   |   |
|------------------------|------|----|------|----|------|----|------|----|----|----|---|---|---|---|---|---|
| Split (seconds)        | 19   | 23 | 15   | 49 | 16   | 22 | 14   | 48 | 14 | 38 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coord Phase            |      |    |      | X  |      |    |      | X  |    |    |   |   |   |   |   |   |
| Vehicle Recall         |      |    |      |    |      |    |      |    |    |    |   |   |   |   |   |   |
| Pedestrian Recall      |      |    |      |    |      |    |      |    |    |    |   |   |   |   |   |   |
| Recall to Max.<br>Time |      |    |      |    |      |    |      |    |    |    |   |   |   |   |   |   |
| Omit Phase             |      |    |      |    |      |    |      |    |    |    | X | X | X | X | X | X |

| Ring      | 1    | 2    | 3   | 4  |
|-----------|------|------|-----|----|
| Split Sum | 106s | 114s | 38s | 0s |

City of Garden Grove, CA



MOVING TRAFFIC FORWARD

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

**Preempt Plan**

**Preempt Plan (MM) 4-1**

**Preempt Plan 3**

| Phase            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Overlap          | A | B | C | D | E | F | G | H | I | J  | K  | L  | M  | N  | O  | P  |
| Trk Clr Veh      | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Trk Clr Overlap  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Enable Trailing  | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  |
| Dwell Veh        | . | X | . | . | X | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Dwell Ped        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Dwell Overlap    | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Cycling Veh      | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Cycling Ped      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Cycling Overlap  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Exit Phases      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Exit Calls       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Special Function |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

|                  |     |                  |     |                  |      |
|------------------|-----|------------------|-----|------------------|------|
| Enable           | Yes | Preempt Override | Yes | Interlock Enable | No   |
| Det Lock         | Yes | Delay            | 0   | Inhibit          | 0    |
| Override Flash   | Yes | Duration         | 0   | CLR > GRN        | No   |
| Term Ovlp Asap   | No  | PC Through Yel   | No  | Terminate Phase  | No   |
| Ped Dark         | No  | Track Clear Rsrv | No  | Dwell Flash      | Off  |
| Linked Pmt       | 0   | FL Exit Color    | Red | Exit Options     | Off  |
| Exit Timing Plan | 0   | Reservice        | 0   | Fault Type       | Hard |

| Ring            | 1  | 2  | 3  | 4  |
|-----------------|----|----|----|----|
| Free During Pmt | No | No | No | No |

| Timing             | Walk      | Ped Clr | Min Grn  | Yellow | Red |
|--------------------|-----------|---------|----------|--------|-----|
| Entrance           | 0         | 255     | 5        | 4.0    | 1.0 |
|                    | Min Grn   | Ext Grn | Max Grn  | Yellow | Red |
| Track Clear        | 0         | 0       | 0        | 4.0    | 1.0 |
|                    | Min Dwell | Pmt Ext | Max Time | Yellow | Red |
| Dwell / Cycle-Exit | 5         | 0.0     | 90       | 4.0    | 1.0 |

Preemption Active On Out  
 Other - Priority Preempt Off  
 Inhibit Extension Time 0.0  
 Veh Priority Return Off  
 Conditional Delay Off

Preempt Act Dwell  
 Non-Priority Pmt Off  
 Ped Priority Return Off  
 Queue Delay Off

| Phase            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Veh Pri Return % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

**Preempt Plan 4**

| Phase            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Overlap          | A | B | C | D | E | F | G | H | I | J  | K  | L  | M  | N  | O  | P  |
| Trk Clr Veh      | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Trk Clr Overlap  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Enable Trailing  | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  |
| Dwell Veh        | X | . | . | . | . | X | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Dwell Ped        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Dwell Overlap    | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Cycling Veh      | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Cycling Ped      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Cycling Overlap  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Exit Phases      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Exit Calls       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Special Function |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

Enable Yes Preempt Override Yes Interlock Enable No  
 Det Lock Yes Delay 0 Inhibit 0  
 Override Flash Yes Duration 0 CLR > GRN No  
 Term Ovlp Asap No PC Through Yel No Terminate Phase No  
 Ped Dark No Track Clear Rsrv No Dwell Flash Off  
 Linked Pmt 0 FL Exit Color Grn Exit Options Off  
 Exit Timing Plan 0 Reservice 0 Fault Type Hard

| Ring            | 1  | 2  | 3  | 4  |
|-----------------|----|----|----|----|
| Free During Pmt | No | No | No | No |

| Timing      | Walk      | Ped Clr | Min Grn  | Yellow | Red |
|-------------|-----------|---------|----------|--------|-----|
| Entrance    | 0         | 255     | 5        | 4.0    | 1.0 |
|             | Min Grn   | Ext Grn | Max Grn  | Yellow | Red |
| Track Clear | 0         | 0       | 0        | 4.0    | 1.0 |
|             | Min Dwell | Pmt Ext | Max Time | Yellow | Red |

|                    |   |     |   |     |     |
|--------------------|---|-----|---|-----|-----|
| Dwell / Cycle-Exit | 5 | 0.0 | 0 | 4.0 | 1.0 |
|--------------------|---|-----|---|-----|-----|

Preemption Active On      Preempt Act      No  
 Out Dwell  
 Other - Priority Off      Non-Priority Pmt Off  
 Preempt  
 Inhibit Extension 0.0      Ped Priority Off  
 Time Return  
 Veh Priority Off      Queue Delay Off  
 Return  
 Conditional Delay Off

| Phase            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Veh Pri Return % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

**Preempt Plan 5**

| Phase            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Overlap          | A | B | C | D | E | F | G | H | I | J  | K  | L  | M  | N  | O  | P  |
| Trk Clr Veh      | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Trk Clr Overlap  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Enable Trailing  | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  |
| Dwell Veh        | . | . | . | X | . | . | X | . | . | .  | .  | .  | .  | .  | .  | .  |
| Dwell Ped        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Dwell Overlap    | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Cycling Veh      | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Cycling Ped      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Cycling Overlap  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Exit Phases      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Exit Calls       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Special Function |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

Enable Yes      Preempt Override Yes      Interlock Enable No  
 Det Lock Yes      Delay 0      Inhibit 0  
 Override Flash Yes      Duration 0      CLR > GRN No  
 Term Ovlp No      PC Through Yel No      Terminate Phase No  
 Ped Dark No      Track Clear Rsrv No      Dwell Flash Off  
 Linked Pmt 0      FL Exit Color Grn      Exit Options Off  
 Exit Timing Plan 0      Reservice 0      Fault Type Hard

| Ring            | 1  | 2  | 3  | 4  |
|-----------------|----|----|----|----|
| Free During Pmt | No | No | No | No |

| Timing      | Walk    | Ped Clr | Min Grn | Yellow | Red |
|-------------|---------|---------|---------|--------|-----|
| Entrance    | 0       | 255     | 5       | 4.0    | 1.0 |
|             | Min Grn | Ext Grn | Max Grn | Yellow | Red |
| Track Clear | 0       | 0       | 0       | 4.0    | 1.0 |
|             |         |         |         | Yellow | Red |

|                    | Min Dwell | Pmt Ext | Max Time |     |     |
|--------------------|-----------|---------|----------|-----|-----|
| Dwell / Cycle-Exit | 5         | 0.0     | 0        | 4.0 | 1.0 |

Preemption Active On  
 Out Preempt Act No  
 Dwell  
 Other - Priority Off  
 Preempt Non-Priority Pmt Off  
 Inhibit Extension 0.0  
 Time Ped Priority Off  
 Return  
 Veh Priority Off  
 Return Queue Delay Off  
 Conditional Delay Off

| Phase            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Veh Pri Return % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

**Preempt Plan 6**

| Phase            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Overlap          | A | B | C | D | E | F | G | H | I | J  | K  | L  | M  | N  | O  | P  |
| Trk Clr Veh      | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Trk Clr Overlap  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Enable Trailing  | X | X | X | X | X | X | X | X | X | X  | X  | X  | X  | X  | X  | X  |
| Dwell Veh        | . | . | X | . | . | . | . | X | . | .  | .  | .  | .  | .  | .  | .  |
| Dwell Ped        |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Dwell Overlap    | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Cycling Veh      | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Cycling Ped      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Cycling Overlap  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| Exit Phases      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Exit Calls       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Special Function |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

Enable Yes Preempt Override Yes Interlock Enable No  
 Det Lock Yes Delay 0 Inhibit 0  
 Override Flash Yes Duration 0 CLR > GRN No  
 Term Ovp No PC Through No Terminate No  
 Asap Yel Phase  
 Ped Dark No Track Clear No Dwell Flash Off  
 Rsrv  
 Linked Pmt 0 FL Exit Color Grn Exit Options Off  
 Exit Timing 0 Reservice 0 Fault Type Hard  
 Plan

| Ring            | 1  | 2  | 3  | 4  |
|-----------------|----|----|----|----|
| Free During Pmt | No | No | No | No |

| Timing   | Walk    | Ped Clr | Min Grn | Yellow | Red |
|----------|---------|---------|---------|--------|-----|
| Entrance | 0       | 255     | 5       | 4.0    | 1.0 |
|          | Min Grn | Ext Grn | Max Grn | Yellow | Red |

|                    |                  |                |                 |               |            |
|--------------------|------------------|----------------|-----------------|---------------|------------|
| Track Clear        | 0                | 0              | 0               | 4.0           | 1.0        |
|                    | <b>Min Dwell</b> | <b>Pmt Ext</b> | <b>Max Time</b> | <b>Yellow</b> | <b>Red</b> |
| Dwell / Cycle-Exit | 5                | 0.0            | 0               | 4.0           | 1.0        |

Preemption Active On      Preempt Act      No  
 Out      Dwell  
 Other - Priority Off      Non-Priority Pmt Off  
 Preempt  
 Inhibit Extension 0.0      Ped Priority      Off  
 Time      Return  
 Veh Priority Off      Queue Delay Off  
 Return  
 Conditional Delay Off

| Phase            | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Veh Pri Return % | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  |

## City of Garden Grove, CA



MOVING TRAFFIC FORWARD

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

**Preempt Preempt Filtering**  
**Enable Preempt Filtering &**  
**TSP/SCP (MM) 4-2**

| Input | Solid           | Pulsing          |
|-------|-----------------|------------------|
| 1     | ...BYPASSED...  | ...BYPASSED...   |
| 2     | ...BYPASSED...  | ...BYPASSED...   |
| 3     | PREEMPTION<br>3 | PREEMPTION<br>7  |
| 4     | PREEMPTION<br>4 | PREEMPTION<br>8  |
| 5     | PREEMPTION<br>5 | PREEMPTION<br>9  |
| 6     | PREEMPTION<br>6 | PREEMPTION<br>10 |
| 7     | ...BYPASSED...  | ...BYPASSED...   |
| 8     | ...BYPASSED...  | ...BYPASSED...   |
| 9     | ...BYPASSED...  | ...BYPASSED...   |
| 10    | ...BYPASSED...  | ...BYPASSED...   |



City of Garden Grove, CA



MOVING TRAFFIC FORWARD

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

Preempt TSP/SCP Plan and Split

TSP / SCP Plan (MM) 4-3

| TSP/SCP Plan | Enable Option | Signal Type | Det Lock | Delay Time | Max Presence | PMT Enables Reservice | No Delay in TSP | Action SF Inhibit | Reservice Cycles | Bus Heading |
|--------------|---------------|-------------|----------|------------|--------------|-----------------------|-----------------|-------------------|------------------|-------------|
| 1            | No            | Solid       | No       | 0          | 0            | No                    | False           | 0                 | 0                | NB          |
| 2            | No            | Solid       | No       | 0          | 0            | No                    | False           | 0                 | 0                | SB          |
| 3            | No            | Solid       | No       | 0          | 0            | No                    | False           | 0                 | 0                | EB          |
| 4            | No            | Solid       | No       | 0          | 0            | No                    | False           | 0                 | 0                | WB          |
| 5            | No            | Solid       | No       | 0          | 0            | No                    | False           | 0                 | 0                | .           |
| 6            | No            | Solid       | No       | 0          | 0            | No                    | False           | 0                 | 0                | .           |

Mode: TSP  
 Free Default Pattern: 120  
 Headway Allowance: 0

| TSP/SCP Plan | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| 1            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 2            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 3            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 4            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 5            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 6            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |

TSP / SCP Split Pattern (MM) 4-4

| TSP/SCP Split Pattern | Max Type      | Phase |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----------------------|---------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                       |               | 1     | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  |
| 4                     | Max Reduction | 255   | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 |

City of Garden Grove, CA



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*MOVING TRAFFIC FORWARD*

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

**Time Base Clock/Calendar**

**Clock/Calendar Data (MM) 5-1**

Manual Action Plan: 0  
SYNC Reference Time: 00:00  
SYNC Reference: Reference Time  
Day Light Savings: No  
Time Reset Input Set Time: 3:30:00  
Standard Time From GMT: 0

City of Garden Grove, CA



MOVING TRAFFIC FORWARD

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

**Time Base Action Plan**

**Action Plan (MM) 5-2**

**Action Plan - 1**

|                      |    |                      |      |
|----------------------|----|----------------------|------|
| Pattern              | 1  | Override Sys         | Yes  |
| Timing Plan          | 0  | Sequence             | 10   |
| Veh Detector Plan 1  |    | Det Log              | None |
| Flash                | No | Red Rest             | No   |
| Veh Det Diag Plan    | 0  | Ped Det Diag Plan    | 0    |
| Dimming Enable       | No | Pmt Veh Priority Ret | No   |
| Pmt Ped Priority Ret | No | Pmt Queue Delay      | No   |
| Pmt Cond Delay       | No |                      |      |

| Phase      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Ped Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Walk 2     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Ext 2  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 2      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 3      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| CS Inhibit |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

|                 |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|
| Spec Func (1-8) |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|

|                |  |  |  |
|----------------|--|--|--|
| Aux Func (1-3) |  |  |  |
|----------------|--|--|--|

|           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| LP 1-15   | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 16-30  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 31-45  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 46-60  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 61-75  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 76-90  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 91-100 | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |

**Action Plan - 2**

Pattern 2 Override Sys Yes  
 Timing Plan 0 Sequence 10  
 Veh Detector Plan 1 Det Log None  
 Flash No Red Rest No  
 Veh Det Diag 0 Ped Det Diag 0  
 Plan  
 Dimming Enable No Pmt Veh Priority No  
 Ret  
 Pmt Ped Priority No Pmt Queue Delay No  
 Ret  
 Pmt Cond Delay No

| Phase           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|-----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Ped Recall      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Walk 2          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Ext 2       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Recall      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 2           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 3           |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| CS Inhibit      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Spec Func (1-8) |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Aux Func (1-3)  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|                 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |    |
| LP 1-15         | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| LP 16-30        | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| LP 31-45        | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| LP 46-60        | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| LP 61-75        | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| LP 76-90        | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| LP 91-100       | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |

**Action Plan - 3**

Pattern 3 Override Sys Yes  
 Timing Plan 0 Sequence 5  
 Veh Detector Plan 1 Det Log None  
 Flash No Red Rest No  
 Veh Det Diag 0 Ped Det Diag 0  
 Plan  
 Dimming Enable No Pmt Veh Priority No  
 Ret  
 Pmt Ped Priority No Pmt Queue Delay No  
 Ret  
 Pmt Cond Delay No

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

| Phase              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Veh Ext 2          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Recall         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 2              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 3              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| CS Inhibit         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Spec Func<br>(1-8) |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Aux Func<br>(1-3)  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |    |
| LP 1-15            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 16-30           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 31-45           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 46-60           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 61-75           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 76-90           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 91-100          | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |

**Action Plan - 9**

Pattern Free Override Sys No  
 Timing Plan 0 Sequence 0  
 Veh Detector Plan 0 Det Log None  
 Flash No Red Rest No  
 Veh Det Diag 0 Ped Det Diag 0  
 Plan Plan  
 Dimming Enable No Pmt Veh Priority No  
 Ret Ret  
 Pmt Ped Priority No Pmt Queue Delay No  
 Ret  
 Pmt Cond Delay No

| Phase      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Ped Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Walk 2     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Ext 2  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 2      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 3      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| CS Inhibit |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

|                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Spec Func (1-8) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Aux Func (1-3) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| LP 1-15   | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 16-30  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 31-45  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 46-60  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 61-75  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 76-90  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 91-100 | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |

**Action Plan - 10**

Pattern Free Override Sys No  
 Timing Plan 0 Sequence 1  
 Veh Detector Plan 0 Det Log None  
 Flash No Red Rest No  
 Veh Det Diag 0 Ped Det Diag 0  
 Plan Plan  
 Dimming Enable No Pmt Veh Priority No  
 Ret Ret  
 Pmt Ped Priority No Pmt Queue Delay No  
 Ret  
 Pmt Cond Delay No

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

| Phase              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Veh Ext 2          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Recall         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 2              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 3              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| CS Inhibit         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Spec Func<br>(1-8) |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Aux Func<br>(1-3)  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |    |
| LP 1-15            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 16-30           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 31-45           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 46-60           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 61-75           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 76-90           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 91-100          | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |

**Action Plan - 11**

Pattern 11                   Override Sys    No  
 Timing Plan 1               Sequence        1  
 Veh Detector Plan 0         Det Log        None  
 Flash No                    Red Rest       No  
 Veh Det Diag Plan 0        Ped Det Diag   0  
 Dimming Enable No         Pmt Veh Priority Ret No  
 Pmt Ped Priority Ret No     Pmt Queue Delay No  
 Pmt Cond Delay No

| Phase      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Ped Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Walk 2     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Ext 2  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 2      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 3      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| CS Inhibit |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

|                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Spec Func (1-8) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

|                |  |  |  |
|----------------|--|--|--|
| Aux Func (1-3) |  |  |  |
|----------------|--|--|--|

|           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| LP 1-15   | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 16-30  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 31-45  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 46-60  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 61-75  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 76-90  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 91-100 | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |

**Action Plan - 12**

Pattern 12                   Override Sys    No  
 Timing Plan 1               Sequence        1  
 Veh Detector Plan 0         Det Log        None  
 Flash No                    Red Rest       No  
 Veh Det Diag Plan 0        Ped Det Diag   0  
 Dimming Enable No         Pmt Veh Priority Ret No  
 Pmt Ped Priority Ret No     Pmt Queue Delay No  
 Pmt Cond Delay No

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



| Phase              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Veh Ext 2          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Recall         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 2              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 3              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| CS Inhibit         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Spec Func<br>(1-8) |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Aux Func<br>(1-3)  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |    |
| LP 1-15            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 16-30           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 31-45           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 46-60           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 61-75           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 76-90           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 91-100          | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |

**Action Plan - 13**

Pattern 13                      Override Sys    No  
 Timing Plan 1                   Sequence        9  
 Veh Detector Plan 0            Det Log        None  
 Flash No                        Red Rest       No  
 Veh Det Diag Plan 0           Ped Det Diag   0  
 Dimming Enable No            Pmt Veh Priority Ret No  
 Pmt Ped Priority Ret No        Pmt Queue Delay No  
 Pmt Cond Delay No

| Phase      | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Ped Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Walk 2     |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Ext 2  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 2      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 3      |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| CS Inhibit |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit       |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |

|                 |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|
| Spec Func (1-8) |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|

|                |  |  |  |
|----------------|--|--|--|
| Aux Func (1-3) |  |  |  |
|----------------|--|--|--|

|           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-----------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| LP 1-15   | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 16-30  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 31-45  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 46-60  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 61-75  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 76-90  | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |
| LP 91-100 | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |

**Action Plan - 14**

Pattern 14                      Override Sys    No  
 Timing Plan 1                   Sequence        1  
 Veh Detector Plan 0            Det Log        None  
 Flash No                        Red Rest       No  
 Veh Det Diag Plan 0           Ped Det Diag   0  
 Dimming Enable No            Pmt Veh Priority Ret No  
 Pmt Ped Priority Ret No        Pmt Queue Delay No  
 Pmt Cond Delay No

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

| Phase              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
| Veh Ext 2          |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Veh Recall         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max Recall         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 2              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Max 3              |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| CS Inhibit         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Omit               |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Spec Func<br>(1-8) |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
| Aux Func<br>(1-3)  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |    |
| LP 1-15            | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 16-30           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 31-45           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 46-60           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 61-75           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 76-90           | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |
| LP 91-100          | . | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  |    |



## City of Garden Grove, CA



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*MOVING TRAFFIC FORWARD*

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

**Time Base Day Plan/Schedule****Day Plan (MM) 5-3****Day Plan #1**

| Event | Action Plan | Start Time |
|-------|-------------|------------|
| 1     | 1           | 06:30      |
| 2     | 2           | 09:30      |
| 3     | 3           | 15:30      |
| 4     | 9           | 19:00      |

**Day Plan #2**

| Event | Action Plan | Start Time |
|-------|-------------|------------|
| 1     | 10          | 00:00      |
| 2     | 14          | 09:00      |
| 3     | 10          | 19:00      |

**Schedule (MM) 5-4****Schedule Number - 1**

Day Plan No.: 1

| Month | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|       | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |

| Day (DOW) | SUN | MON | TUE | WED | THU | FRI | SAT |
|-----------|-----|-----|-----|-----|-----|-----|-----|
|           |     | X   | X   | X   | X   | X   |     |

| Day (DOM) | 1         | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|           | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         |
|           | <b>12</b> | <b>13</b> | <b>14</b> | <b>15</b> | <b>16</b> | <b>17</b> | <b>18</b> | <b>19</b> | <b>20</b> | <b>21</b> | <b>22</b> |
|           | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         |
|           | <b>23</b> | <b>24</b> | <b>25</b> | <b>26</b> | <b>27</b> | <b>28</b> | <b>29</b> | <b>30</b> | <b>31</b> |           |           |
|           | X         | X         | X         | X         | X         | X         | X         | X         | X         |           |           |

**Schedule Number - 2**

Day Plan No.: 2

| Month | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|       | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   | X   |

| Day (DOW) | SUN | MON | TUE | WED | THU | FRI | SAT |
|-----------|-----|-----|-----|-----|-----|-----|-----|
|           | X   |     |     |     |     |     | X   |

| Day (DOM) | 1         | 2         | 3         | 4         | 5         | 6         | 7         | 8         | 9         | 10        | 11        |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|           | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         |
|           | <b>12</b> | <b>13</b> | <b>14</b> | <b>15</b> | <b>16</b> | <b>17</b> | <b>18</b> | <b>19</b> | <b>20</b> | <b>21</b> | <b>22</b> |
|           | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         | X         |
|           | <b>23</b> | <b>24</b> | <b>25</b> | <b>26</b> | <b>27</b> | <b>28</b> | <b>29</b> | <b>30</b> | <b>31</b> |           |           |
|           | X         | X         | X         | X         | X         | X         | X         | X         | X         |           |           |

### City of Garden Grove, CA



*MOVING TRAFFIC FORWARD*

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

#### Time Base Exceptions

#### Exception Day Program (MM) 5-5

| Excep<br>Day | Float/Fixed | Mon/Mon | DOW/DOM | WOM/Year | Day<br>Plan |
|--------------|-------------|---------|---------|----------|-------------|
|--------------|-------------|---------|---------|----------|-------------|

## City of Garden Grove, CA



MOVING TRAFFIC FORWARD

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

**Detectors****Detectors - Pg 1****Veh Det Phase Assignment (MM) 6-1****Vehicle Detector Plan Number - 1**

| Veh Detector | Assigned Phase | Called Phase | Type |
|--------------|----------------|--------------|------|
| 1            | 1              |              | S    |
| 2            | 2              |              | S    |
| 3            | 3              |              | S    |
| 4            | 4              |              | S    |
| 5            | 5              |              | S    |
| 6            | 6              |              | S    |
| 7            | 7              |              | S    |
| 8            | 8              |              | S    |
| 9            | 2              |              | S    |
| 10           | 2              |              | S    |
| 11           | 4              |              | S    |
| 12           | 4              |              | S    |
| 13           | 6              |              | S    |
| 14           | 6              |              | S    |
| 15           | 8              |              | S    |
| 16           | 8              |              | S    |
| 17           | 1              |              | B    |
| 18           | 2              |              | B    |
| 19           | 3              |              | B    |
| 20           | 4              |              | B    |
| 21           | 5              |              | B    |
| 22           | 6              |              | B    |
| 23           | 7              |              | B    |
| 24           | 8              |              | B    |

**Vehicle Detector Plan Number - 2**

| Veh Detector | Assigned Phase | Called Phase | Type |
|--------------|----------------|--------------|------|
| 1            | 1              |              | S    |
| 2            | 2              |              | S    |
| 3            | 3              |              | S    |
| 4            | 4              |              | S    |
| 5            | 5              |              | S    |
| 6            | 6              |              | S    |
| 7            | 7              |              | S    |
| 8            | 8              |              | S    |
| 9            | 9              |              | S    |
| 10           | 10             |              | S    |



|    |    |  |   |
|----|----|--|---|
| 11 | 11 |  | S |
| 12 | 12 |  | S |
| 13 | 13 |  | S |
| 14 | 14 |  | S |
| 15 | 15 |  | S |
| 16 | 16 |  | S |

**Vehicle Detector Plan Number - 3**

| Veh Detector | Assigned Phase | Called Phase | Type |
|--------------|----------------|--------------|------|
| 1            | 1              |              | S    |
| 2            | 2              |              | S    |
| 3            | 3              |              | S    |
| 4            | 4              |              | S    |
| 5            | 5              |              | S    |
| 6            | 6              |              | S    |
| 7            | 7              |              | S    |
| 8            | 8              |              | S    |
| 9            | 9              |              | S    |
| 10           | 10             |              | S    |
| 11           | 11             |              | S    |
| 12           | 12             |              | S    |
| 13           | 13             |              | S    |
| 14           | 14             |              | S    |
| 15           | 15             |              | S    |
| 16           | 16             |              | S    |

**Vehicle Detector Plan Number - 4**

| Veh Detector | Assigned Phase | Called Phase | Type |
|--------------|----------------|--------------|------|
| 1            | 1              |              | S    |
| 2            | 2              |              | S    |
| 3            | 3              |              | S    |
| 4            | 4              |              | S    |
| 5            | 5              |              | S    |
| 6            | 6              |              | S    |
| 7            | 7              |              | S    |
| 8            | 8              |              | S    |
| 9            | 9              |              | S    |
| 10           | 10             |              | S    |
| 11           | 11             |              | S    |
| 12           | 12             |              | S    |
| 13           | 13             |              | S    |
| 14           | 14             |              | S    |
| 15           | 15             |              | S    |
| 16           | 16             |              | S    |

**Vehicle Detector Setup (MM) 6-2**

| Veh Detector | Type       | TS2 Detector | Description |
|--------------|------------|--------------|-------------|
| 1            | S-STANDARD | Yes          |             |
| 2            | S-STANDARD | Yes          |             |
| 3            | S-STANDARD | Yes          |             |

|    |            |     |  |
|----|------------|-----|--|
| 4  | S-STANDARD | Yes |  |
| 5  | S-STANDARD | Yes |  |
| 6  | S-STANDARD | Yes |  |
| 7  | S-STANDARD | Yes |  |
| 8  | S-STANDARD | Yes |  |
| 9  | S-STANDARD | Yes |  |
| 10 | S-STANDARD | Yes |  |
| 11 | S-STANDARD | Yes |  |
| 12 | S-STANDARD | Yes |  |
| 13 | S-STANDARD | Yes |  |
| 14 | S-STANDARD | Yes |  |
| 15 | S-STANDARD | Yes |  |
| 16 | S-STANDARD | Yes |  |
| 17 | B-BIKE     | Yes |  |
| 18 | B-BIKE     | Yes |  |
| 19 | B-BIKE     | Yes |  |
| 20 | B-BIKE     | Yes |  |
| 21 | B-BIKE     | Yes |  |
| 22 | B-BIKE     | Yes |  |
| 23 | B-BIKE     | Yes |  |
| 24 | B-BIKE     | Yes |  |

#### Vehicle Detector Plan Number - 1

| Veh Detector | Phase | ECPI Log | Call Option | Delay Time | Ext Option | Extend Time / Passage Time | Queue Lim. / Discon. Time | Use Added Initial | Cross Switch Ph | Lock In | NTCIP Vol. | NTCIP Occ. | Pmt Queue Delay |
|--------------|-------|----------|-------------|------------|------------|----------------------------|---------------------------|-------------------|-----------------|---------|------------|------------|-----------------|
| 1            | 1     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 2            | 2     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 3            | 3     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 4            | 4     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 5            | 5     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 6            | 6     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 7            | 7     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 8            | 8     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 9            | 2     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 10           | 2     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 11           | 4     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 12           | 4     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 13           | 6     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 14           | 6     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 15           | 8     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 16           | 8     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 17           | 1     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 18           | 2     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 19           | 3     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 20           | 4     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 21           | 5     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 22           | 6     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 23           | 7     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |

|    |   |    |     |     |         |     |   |    |   |     |    |    |    |
|----|---|----|-----|-----|---------|-----|---|----|---|-----|----|----|----|
| 24 | 8 | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | Red | No | No | No |
|----|---|----|-----|-----|---------|-----|---|----|---|-----|----|----|----|

**Vehicle Detector Plan Number - 2**

| Veh Detector | Phase | ECPI Log | Call Option | Delay Time | Ext Option | Extend Time / Passage Time | Queue Lim. / Discon. Time | Use Added Initial | Cross Switch Ph | Lock In | NTCIP Vol. | NTCIP Occ. | Pmt Queue Delay |
|--------------|-------|----------|-------------|------------|------------|----------------------------|---------------------------|-------------------|-----------------|---------|------------|------------|-----------------|
| 1            | 1     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 2            | 2     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 3            | 3     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 4            | 4     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 5            | 5     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 6            | 6     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 7            | 7     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 8            | 8     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 9            | 9     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 10           | 10    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 11           | 11    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 12           | 12    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 13           | 13    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 14           | 14    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 15           | 15    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 16           | 16    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 17           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 18           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 19           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 20           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 21           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 22           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 23           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 24           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |

**Vehicle Detector Plan Number - 3**

| Veh Detector | Phase | ECPI Log | Call Option | Delay Time | Ext Option | Extend Time / Passage Time | Queue Lim. / Discon. Time | Use Added Initial | Cross Switch Ph | Lock In | NTCIP Vol. | NTCIP Occ. | Pmt Queue Delay |
|--------------|-------|----------|-------------|------------|------------|----------------------------|---------------------------|-------------------|-----------------|---------|------------|------------|-----------------|
| 1            | 1     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 2            | 2     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 3            | 3     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 4            | 4     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 5            | 5     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 6            | 6     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 7            | 7     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 8            | 8     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 9            | 9     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 10           | 10    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 11           | 11    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 12           | 12    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 13           | 13    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 14           | 14    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |

|    |    |    |     |     |         |     |   |    |   |      |    |    |    |
|----|----|----|-----|-----|---------|-----|---|----|---|------|----|----|----|
| 15 | 15 | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | None | No | No | No |
| 16 | 16 | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | None | No | No | No |
| 17 | 0  | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | Red  | No | No | No |
| 18 | 0  | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | Red  | No | No | No |
| 19 | 0  | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | Red  | No | No | No |
| 20 | 0  | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | Red  | No | No | No |
| 21 | 0  | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | Red  | No | No | No |
| 22 | 0  | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | Red  | No | No | No |
| 23 | 0  | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | Red  | No | No | No |
| 24 | 0  | No | Yes | 0.0 | Passage | 0.0 | 0 | No | 0 | Red  | No | No | No |

**Vehicle Detector Plan Number - 4**

| Veh Detector | Phase | ECPI Log | Call Option | Delay Time | Ext Option | Extend Time / Passage Time | Queue Lim. / Discon. Time | Use Added Initial | Cross Switch Ph | Lock In | NTCIP Vol. | NTCIP Occ. | Pmt Queue Delay |
|--------------|-------|----------|-------------|------------|------------|----------------------------|---------------------------|-------------------|-----------------|---------|------------|------------|-----------------|
| 1            | 1     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 2            | 2     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 3            | 3     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 4            | 4     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 5            | 5     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 6            | 6     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 7            | 7     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 8            | 8     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 9            | 9     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 10           | 10    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 11           | 11    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 12           | 12    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 13           | 13    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 14           | 14    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 15           | 15    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 16           | 16    | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | None    | No         | No         | No              |
| 17           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 18           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 19           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 20           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 21           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 22           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 23           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |
| 24           | 0     | No       | Yes         | 0.0        | Passage    | 0.0                        | 0                         | No                | 0               | Red     | No         | No         | No              |

**Ped Detector Phase Assignment (MM) 6-3**

Mode: Econolite

| Ped Detector Number | Called Phase |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|---------------------|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|                     | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1                   | X            | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 2                   | .            | . | . | X | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 3                   | .            | . | X | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 4                   | .            | . | . | X | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |

| Ped<br>Detector<br>Number | Called Phase |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |
|---------------------------|--------------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|
|                           | 1            | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 5                         | .            | . | . | . | X | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 6                         | .            | . | . | . | . | . | . | . | . | X  | .  | .  | .  | .  | .  | .  |
| 7                         | .            | . | . | . | . | . | X | . | . | .  | .  | .  | .  | .  | .  | .  |
| 8                         | .            | . | . | . | . | . | . | X | . | .  | .  | .  | .  | .  | .  | .  |
| 9                         | .            | . | . | . | . | . | . | . | X | .  | .  | .  | .  | .  | .  | .  |
| 10                        | .            | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | .  |
| 11                        | .            | . | . | . | . | . | . | . | . | .  | X  | .  | .  | .  | .  | .  |
| 12                        | .            | . | . | . | . | . | . | . | . | .  | .  | X  | .  | .  | .  | .  |
| 13                        | .            | . | . | . | . | . | . | . | . | .  | .  | .  | X  | .  | .  | .  |
| 14                        | .            | . | . | . | . | . | . | . | . | .  | .  | .  | .  | X  | .  | .  |
| 15                        | .            | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | X  | .  |
| 16                        | .            | . | . | . | . | . | . | . | . | .  | .  | .  | .  | .  | .  | X  |

City of Garden Grove, CA



MOVING TRAFFIC FORWARD

66 - Harbor @ Trask - Harbor @ Trask - Econolite Type - ASC/3

**Detectors**

**Detectors - Pg 2**

**Log - Speed Detector Setup (MM) 6-4**

NTCIP Log      ECPI Log      Length Unit:  
 Period: 60      Period: 0      Inches

| Speed Detector | Local Detector | One/Two Detector | Vehicle Length | Trap length | Enable Log |
|----------------|----------------|------------------|----------------|-------------|------------|
| 1              | 0              | 1                | 0              | 0           | No         |
| 2              | 0              | 1                | 0              | 0           | No         |
| 3              | 0              | 1                | 0              | 0           | No         |
| 4              | 0              | 1                | 0              | 0           | No         |
| 5              | 0              | 1                | 0              | 0           | No         |
| 6              | 0              | 1                | 0              | 0           | No         |
| 7              | 0              | 1                | 0              | 0           | No         |
| 8              | 0              | 1                | 0              | 0           | No         |
| 9              | 0              | 1                | 0              | 0           | No         |
| 10             | 0              | 1                | 0              | 0           | No         |
| 11             | 0              | 1                | 0              | 0           | No         |
| 12             | 0              | 1                | 0              | 0           | No         |
| 13             | 0              | 1                | 0              | 0           | No         |
| 14             | 0              | 1                | 0              | 0           | No         |
| 15             | 0              | 1                | 0              | 0           | No         |
| 16             | 0              | 1                | 0              | 0           | No         |

**Vehicle Detector Diagnostics (MM) 6-5**

**Veh Diagnostic Plan Number - 1**

| Det | Counts | Act | Pres | Multiplier | Failed Time | Failed Call Delay |
|-----|--------|-----|------|------------|-------------|-------------------|
|     |        |     |      |            |             |                   |

**Veh Diagnostic Plan Number - 2**

| Det | Counts | Act | Pres | Multiplier | Failed Time | Failed Call Delay |
|-----|--------|-----|------|------------|-------------|-------------------|
|     |        |     |      |            |             |                   |

**Veh Diagnostic Plan Number - 3**

| Det | Counts | Act | Pres | Multiplier | Failed Time | Failed Call Delay |
|-----|--------|-----|------|------------|-------------|-------------------|
|     |        |     |      |            |             |                   |

**Veh Diagnostic Plan Number - 4**

| Det | Counts | Act | Pres | Multiplier | Failed Time | Failed Call Delay |
|-----|--------|-----|------|------------|-------------|-------------------|
|-----|--------|-----|------|------------|-------------|-------------------|

**Pedestrian Detector Diagnostics (MM) 6-6****Ped Diagnostic Plan Number - 1**

| Det | Counts | Act | Pres | Multiplier |
|-----|--------|-----|------|------------|
|-----|--------|-----|------|------------|

**Ped Diagnostic Plan Number - 2**

| Det | Counts | Act | Pres | Multiplier |
|-----|--------|-----|------|------------|
|-----|--------|-----|------|------------|

**Ped Diagnostic Plan Number - 3**

| Det | Counts | Act | Pres | Multiplier |
|-----|--------|-----|------|------------|
|-----|--------|-----|------|------------|

**Ped Diagnostic Plan Number - 4**

| Det | Counts | Act | Pres | Multiplier |
|-----|--------|-----|------|------------|
|-----|--------|-----|------|------------|