

## Controller Personality Testing

|                         |  |
|-------------------------|--|
| <b>PROM File Number</b> |  |
| <b>Intersection</b>     |  |
| <b>Date</b>             |  |
| <b>Checksum</b>         |  |
| <b>Layout Code</b>      |  |

### Startup

| <b>Test</b>                                              | <b>Result/Comment</b> |
|----------------------------------------------------------|-----------------------|
| All-Red<br>Cycle<br>Clock Time/Date<br>Software Arterial | A phase               |

### Phasing

#### Vehicle Signal Groups

|            | <b>A</b> | <b>B</b> | <b>C</b> | <b>D</b> | <b>E</b> | <b>F</b> | <b>G</b> |
|------------|----------|----------|----------|----------|----------|----------|----------|
| <b>V1</b>  |          |          |          |          |          |          |          |
| <b>V2</b>  |          |          |          |          |          |          |          |
| <b>V3</b>  |          |          |          |          |          |          |          |
| <b>V4</b>  |          |          |          |          |          |          |          |
| <b>V5</b>  |          |          |          |          |          |          |          |
| <b>V6</b>  |          |          |          |          |          |          |          |
| <b>V7</b>  |          |          |          |          |          |          |          |
| <b>V8</b>  |          |          |          |          |          |          |          |
| <b>V9</b>  |          |          |          |          |          |          |          |
| <b>V10</b> |          |          |          |          |          |          |          |
| <b>V11</b> |          |          |          |          |          |          |          |
| <b>V12</b> |          |          |          |          |          |          |          |

## Phase Sequence

| Test                     | Result/Comment |
|--------------------------|----------------|
| Sequence 1<br>Sequence 2 |                |
| Phase skipping           |                |

## Late Start Operation

| SG | Operation |
|----|-----------|
|    |           |
|    |           |
|    |           |

## Vehicle Detectors

### Call

| Test | Locking | Non Locking |
|------|---------|-------------|
| A    |         |             |
| B    |         |             |
| C    |         |             |
| D    |         |             |
| E    |         |             |
| F    |         |             |
| G    |         |             |

| Count Loops               |  |
|---------------------------|--|
| Detector Alarm Categories |  |
| Detector Mapping          |  |

## Presence

| Detector | Phase | Check |
|----------|-------|-------|
|          |       |       |
|          |       |       |
|          |       |       |
|          |       |       |

## LTSG Late Pedestrian Demands – check if applicable

| SG | Operation |
|----|-----------|
|    |           |
|    |           |

## Extend

| Test | Result/Comment |
|------|----------------|
|------|----------------|

| Approach | 1 | 2 | 3 | 4 |
|----------|---|---|---|---|
| A        |   |   |   |   |
| B        |   |   |   |   |
| C        |   |   |   |   |
| D        |   |   |   |   |
| E        |   |   |   |   |
| F        |   |   |   |   |
| G        |   |   |   |   |

## Arterials

|      |    |   |   |   |   |   |   |
|------|----|---|---|---|---|---|---|
|      | A  | B | C | D | E | F | G |
| Test | NA |   |   |   |   |   |   |

## **Pedestrian Operations**

|           | <b>A</b> | <b>B</b> | <b>C</b> | <b>D</b> | <b>E</b> | <b>F</b> | <b>G</b> |
|-----------|----------|----------|----------|----------|----------|----------|----------|
| <b>P1</b> |          |          |          |          |          |          |          |
| <b>P2</b> |          |          |          |          |          |          |          |
| <b>P3</b> |          |          |          |          |          |          |          |
| <b>P4</b> |          |          |          |          |          |          |          |
| <b>P5</b> |          |          |          |          |          |          |          |
| <b>P6</b> |          |          |          |          |          |          |          |
| <b>P7</b> |          |          |          |          |          |          |          |
| <b>P8</b> |          |          |          |          |          |          |          |

| <b>Test</b>       | <b>Result/Comment</b> |
|-------------------|-----------------------|
| Overlaps          |                       |
| Late introduction |                       |
| Call Away         |                       |
| Protection        | P1                    |
|                   | P2                    |
|                   | P3                    |
|                   | P4                    |
| Pedestrian delay  |                       |
| Wait Extinguish   |                       |

|                      |  |
|----------------------|--|
| Audio Time Setting   |  |
| Dimming Levels       |  |
| Dimming Time Setting |  |

## **Timing**

| Test                      | Result/Comment |
|---------------------------|----------------|
| Min/Max/Yel/Red           |                |
| Gap/Hdy/Waste             |                |
| Walk/CL1/CL2              |                |
| Presence timers           |                |
| Special timers            |                |
| Special All Red operation |                |

## **Flexilink**

| Test           | Result/Comment |   |   |   |   |   |   |
|----------------|----------------|---|---|---|---|---|---|
| Phase sequence | 1              |   |   |   | 2 |   |   |
| Release pulses | A              | B | C | D | E | F | G |
|                |                |   |   |   |   |   |   |
| Look Ahead     |                |   |   |   |   |   |   |

## **Special Facilities**

| Test                                         | Result/Comment |
|----------------------------------------------|----------------|
| XSF 1<br>XSF 2<br>XSF 3<br>XSF 4<br>Z-<br>Z+ |                |

## Conflict Matrix

| SG | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 2  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 3  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 4  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 5  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 6  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 7  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 8  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 9  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 10 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 11 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 12 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 13 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 14 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 15 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 16 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 17 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 18 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 19 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 20 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 21 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 22 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 23 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 24 |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |