

Traffic Responsive Operation

Field Reference Guide

1. UNDERSTAND THE TRAFFIC RESPONSIVE OPERATION

- Traffic Responsive adjusts timing at one intersection
- Adaptive manages corridor intersections

2. OPEN THE PHASE TIMING MENU

- Go to the controller menu and open Phases
- Select Timings and scroll to the Traffic Responsive related settings

3. CONFIRM DETECTION IS WORKING

- Make sure the intersection has reliable detection
- Verify detection before adjusting Traffic Responsive settings

4. REVIEW DETECTOR PLACEMENT

- Confirm advance detectors are installed upstream
- Check the stop bar, left-turn, and through detectors for the configured movements

5. SET THE ADDED INITIAL

- Use the added initial to add green time for vehicles arriving on red
- Program it to extend the minimum green based on demand

6. SET MAXIMUM INITIAL TIME

- Use the maximum initial to limit added green time
- Confirm the cap fits the intersection and traffic volume

7. CONFIGURE THE GAP REDUCTION

- Set when the controller starts gap reduction
- Review gap values to ensure proper reduction

8. SET TIME TO REDUCE AND VERIFY OPERATION

- Set time to reduce the control gap reduction speed
- Review key timing and detection settings before finalizing