



Global Traffic
Technologies

Opticom™ Project Management Services

Intersection Set-Up and Turn-On

June 2008

Intersection Set-Up and Turn-On

Global Traffic Technologies (GTT) will set-up and turn-on Opticom™ GPS and Infrared System equipment installed at designated intersections.

Customer Prerequisites

- Provide a specific list of intersections including descriptions.
- Provide mode of operation to be used so that the equipment may be set up properly.
- Program the intersection controller with preempt routines.
- Provide the standard preempt wiring and output plan used during installation.
- Decide what range thresholds or specific activation points are to be programmed for each approach at each intersection.
- Provide and/or agree to a coding plan that will uniquely identify each vehicle by operating agency, vehicle type and vehicle ID number (if not specified by our vehicle code management service).
- Designate a contact person to decide any issues relating to set-up preferences and operation/activation options.
- Provide any non-standard keys for cabinet access and/or a maintenance representative if required.
- Determine max call time and hold time for each approach at each intersection.

GTT Project Management Processes

- Program Opticom™ Phase Selector with all required information, including:
 - Intersection name
 - Assigned radio channel
 - Set output mappings and output mode
 - Set time, time zone and clock with time offset
 - Modify max call times and hold times
 - Set ranges or activation points
- Test the outputs by placing a test call in all directions and for each turn signal status.
- Verify that the controller responds correctly and displays the correct green lights and verify green phase outputs.
- Collect geography points using an Opticom GPS system equipped vehicle.
- Create approach maps for all directions out to a distance of 2,500 ft. (if applicable).
- Modify approach widths to prevent parallel activation.
- Save configuration files and provide a copy to customer on a CD.
- Note any/all changes made on the intersection drawings if supplied/applicable.
- Final test-drive each approach to verify activation. Monitor test via software connected to the Opticom™ Phase Selector.
- Review system performance with agencies—note and resolve any/all open issues.
- Obtain final system acceptance approval from the authorizing agency.



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