



## TRAFFIC CONTROLLER COMMISSIONING SERVICES

### Introduction

This element of work involves the programming, commissioning and testing of the traffic signal controller. In the past, this work has either been undertaken by the supplier, the contractor or the jurisdiction that owns the signals. Though these groups have traditionally performed these tasks, optimum results have not always prevailed due to lack of knowledge, time constraints, or other factors.

### The Problem

The commissioning of any new equipment on site is thought to be “plug and play”. In many cases, when the traffic control equipment arrives on a job site for installation and commissioning, the equipment configuration does not match the intersection requirements, or a component may be faulty or damaged upon arrival.

Many new signal installations or signal upgrades are developer driven, so all costs associated with the project should be covered by the developer, rather than using valuable city resources to set up and commission the traffic signal equipment.

### The Solution

Using DMD’s experienced traffic specialists will provide the motoring public with a signal operation that offers maximum efficiency by utilizing the necessary features in the controller. Pre-programming and testing of the equipment also minimizes driver delays and problems during signal commissioning.

#### Services at our DMD Surrey Facility

- Receive and Inspect Equipment
- Verify Equipment Integrity
- Install Optional Equipment as Required
- Provide Accurate Cabinet Documentation
  - Cabinet Wiring Drawings
  - Hook-up Instructions
  - Equipment Database Printouts
  - Commissioning Checklist
- Program Controller, MMU and Related Equipment

- Connect and Test Controller and Cabinet
- Verify Operation of all Equipment
- Pack and Ship equipment

#### On Site Services

- General site inspection
- Check electrical service and voltages
- Verify all field wiring connections
- Set-up vehicle detection as required
- Verify operation of all equipment

#### What are the Benefits?

- Integrated Operation—As DMD undertake signal designs and capacity analysis we can apply this knowledge so the controller operates at peak efficiency
- Reduce Costs—In the case of developer projects why should the City bear the costs for commissioning and testing.
- Complete and Current Cabinet Documentation - We will provide up to date documentation to aid in maintenance and troubleshooting
- Improve Efficiency - By undertaking testing and programming in our shop the chance for embarrassing delays are reduced.



*By having accurate documentation you will be able to more effectively troubleshoot and repair a malfunctioning controller when problems occur.*

