



Traffic Signal Software

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Important Dates

- September 15, 2013
- November 18, 2013
- September 1, 2015



Central Management Software

Advanced Traffic Management System

SOFTWARE SOLUTIONS
MaxView



Traffic Controller Software

NEMA, 2070, ATC, 170 Smart Card

SOFTWARE SOLUTIONS
MaxTime

Procurement Process

- Unique challenges
- Lessons learned



Procurement Process

- Scan tour
- System evaluations
- Peer resources



Functional Requirements

- Ongoing development,
future vision
- Not just technical:
customer service





Functional Requirements 2070 Firmware

Functional Needs

LOCAL FIRMWARE

- Primary function: Safe Operation of Traffic Signals
- Backbone and Structure
- Communication
- Reporting and Performance Measures

Functional Needs

LOCAL FIRMWARE

- Communication with Central Server
- Changeable IP Address without reboot
- Migration away from Master-Local setup
- Central to Central Communication Solutions
 - Active Database Management
 - Controller Change Log

Functional Needs

LOCAL FIRMWARE

- Transit Priority and Preemption Features
- A system that delivers fast transitions
- Advanced notification features



Functional Requirements 2070 Firmware

- Open standards
- Reliable and robust
- Operates a signal





Functional Requirements

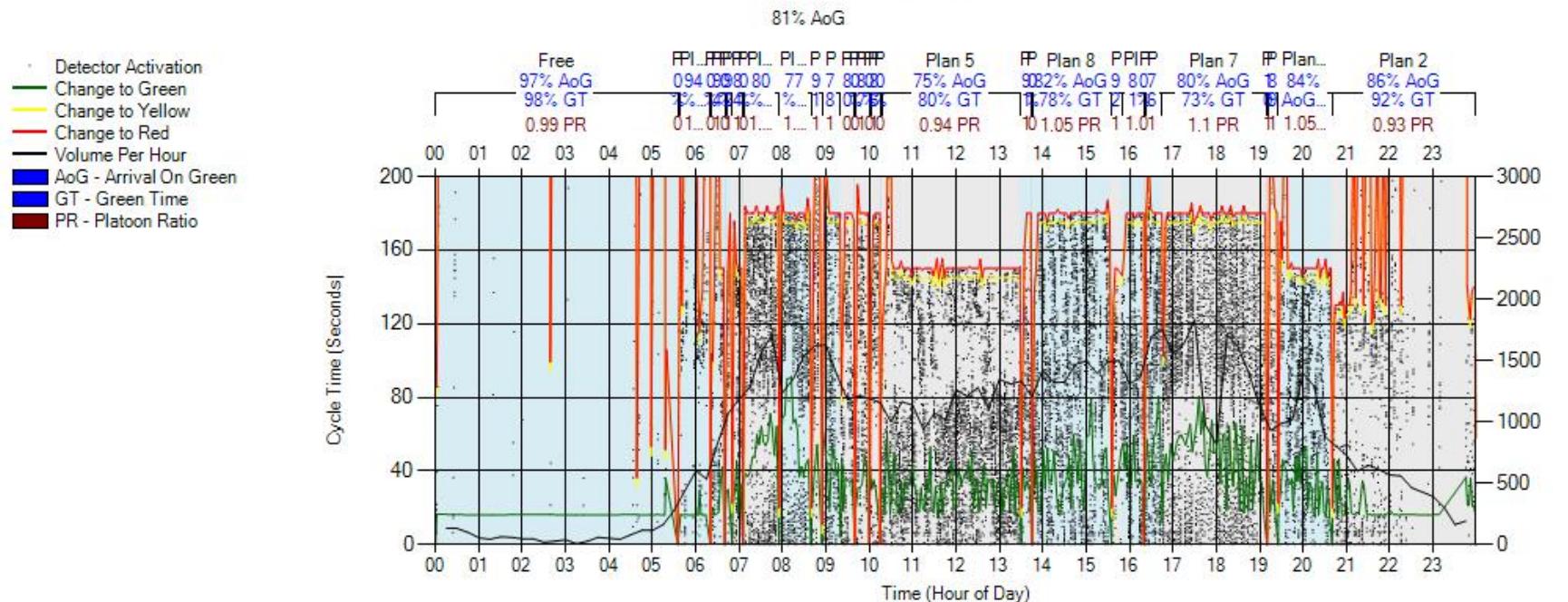
Primary objectives of signal operations

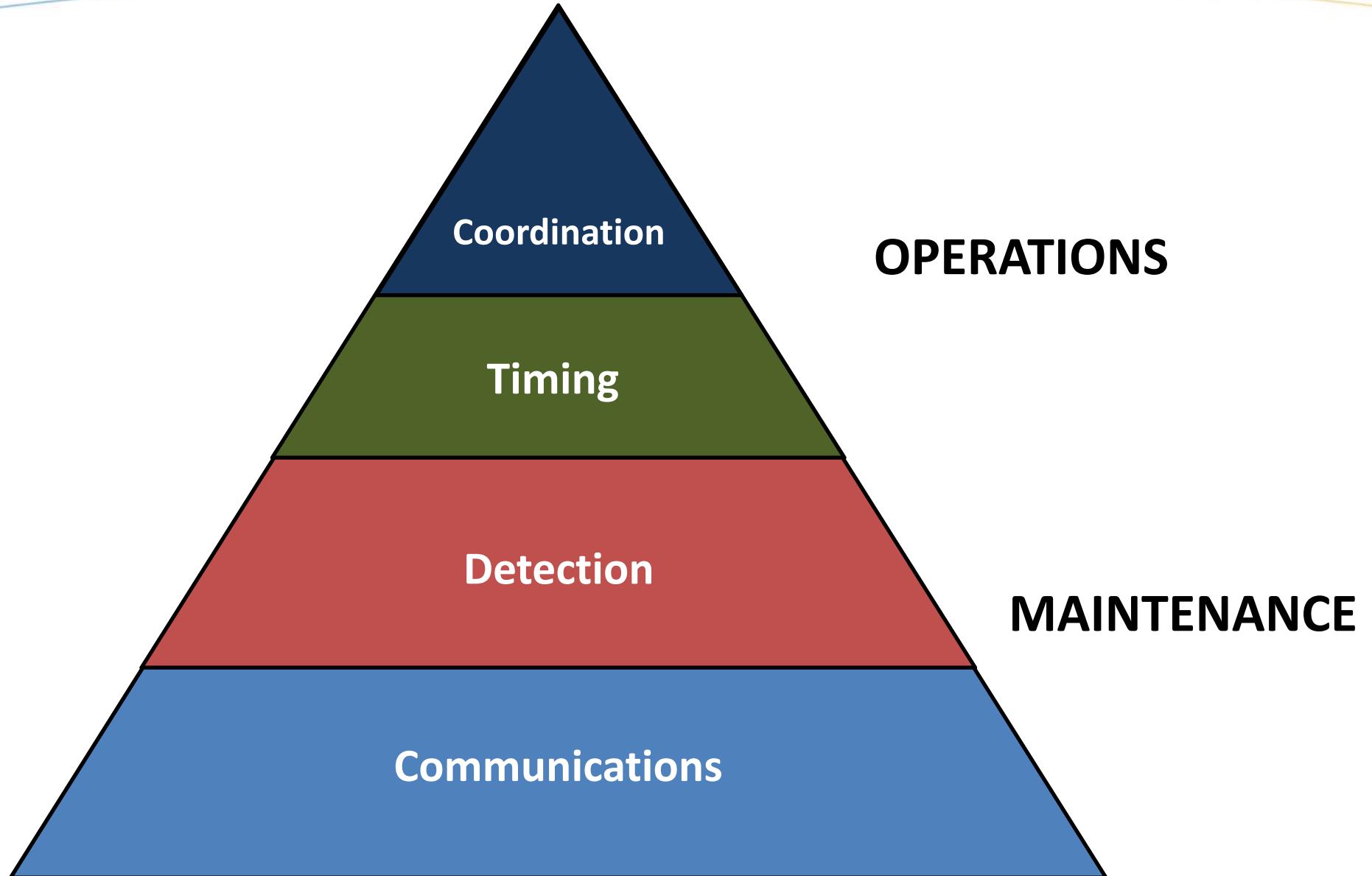
- i. Monitoring of traffic signals frequently enough to identify when maintenance or operational intervention is warranted;
- ii. Good allocation of green times; and
- iii. Good progression on selected arterials at selected times of day.



Functional Requirements

SR 141 Parsons Road Signal 1013 Phase: 6 Northbound
Thursday, September 10, 2015 12:00 AM - Thursday, September 10, 2015 11:59 PM

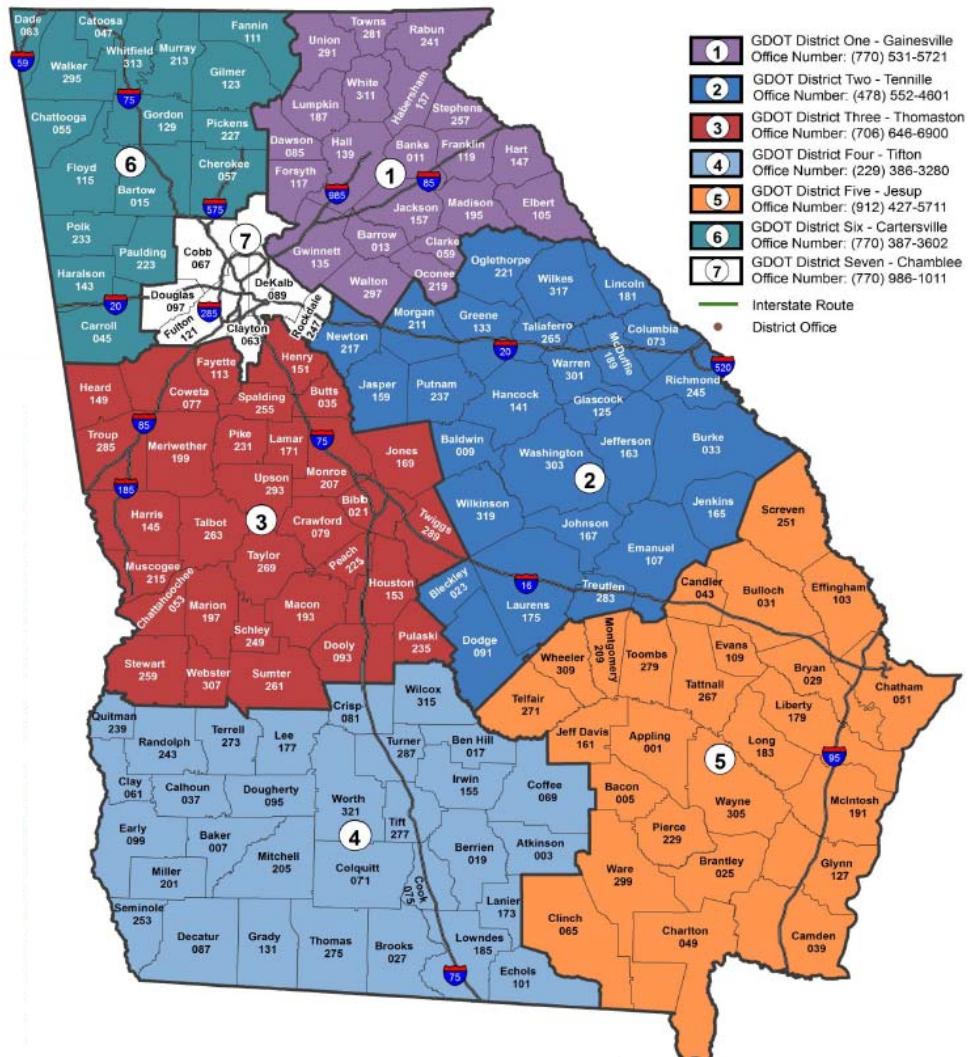






Deployment

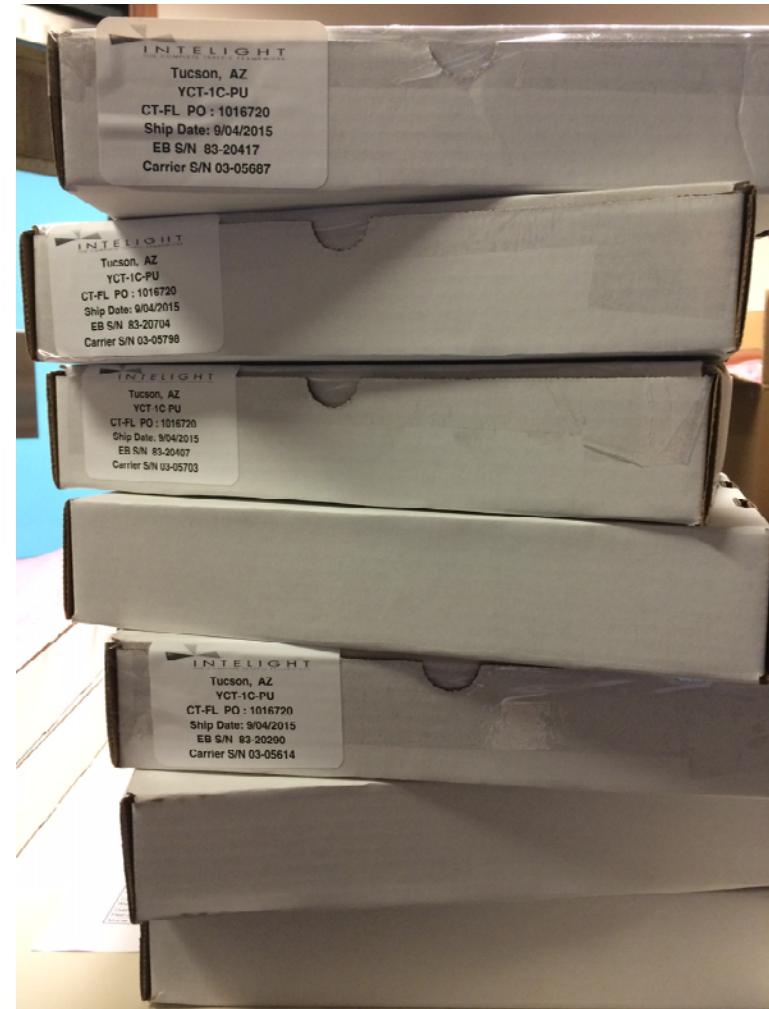
- **Phase 1 - RTOP**
 - SR 42, SR 3, SR 8, SR 9, SR 237, SR 141 (S)
- **Phase 2 – GDOT Districts**
- **Phase 3 – Locals, off-system**



Deployment

Services Provided: Turn-key

- 1-C CPUs
- Database conversion
- Central configuration
- Training
- Maintenance and support





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