



City of Glendale Traffic Signals

Reuben Lopez
Traffic Signal Supervisor





Traffic Signal Operations



- 204 Signalized Intersections
- 5 HAWKS (High Intensity Activated Crosswalks)
- 10 School Zones
- 58 Speed Feedback Signs
- 3 Rectangular Rapid Flashing Beacons (RRFB)



Traffic Signal Operations Cont.



Operations

- M – F (6a – 2:30p)
- Signal system maintenance & upgrades
- 24-Hour Emergency Response

Team

- 1 – Traffic Ops. Electronic Technician
- 3 – Sr. Traffic Signal Technicians
- 1 – Traffic Signal Technician
- 2 – Utility Locaters
- 1 – Traffic Signal Supervisor



Equipment Types

- Cabinets: [Econolite]
 - NEMA TS2 Type 1
 - 3 Remaining TS1 locations
- Controllers: [Econolite]
 - ASC2, ASC3, and Cobalt
- Detection:
 - Adaptive
 - Inductive Loops
 - Radar
 - Video
- EVP : [EMTRAC]
 - 54 locations
- APS Pedestrian Pushbuttons
 - 40 locations
 - Campbell
 - Polara



Facilities & Equipment

Signal Shop: 6210 W Myrtle Ave

- Articulating boom & basket trucks w/ material handlers
- Service body and utility bed trucks
- Trailers, air compressor, etc.



Training Lab

- Fully actuated traffic signal indoors
- Training in controlled environment
- Duplicate trouble calls and practice troubleshooting methods
- Programming and testing for ongoing and future projects





Traffic Signal Goals & Objectives

Goals

- Reduce travel times, delays, and stops
- Improve coordination citywide
- Improve traffic safety
- Utilize future systems for bicycle detection
- Reduce trouble-calls and maintenance times

Objectives

- Optimize traffic signal system
- Upgrade aging/damaged/broken signal assets and systems
- Actively manage traffic signals in real-time using Traffic Management Center assets
- Reduce low volume delays
- Support our current Transportation plan



Upcoming Projects

- Flashing Yellow Arrow Phase 3
 - 11 locations
- Detection Upgrades
 - 25 locations along 59th Ave
 - 19 locations along Glendale Ave
- Adaptive Signal Control Upgrades
 - 15 priority locations @ West Gate





Questions?

