Traffic Signal Construction

R. MARK HARBESON, P.E.
TRAFFIC FIELD OPERATIONS MANAGER
Signage for Capital Projects

R. MARK HARBESEN, P.E.
TRAFFIC FIELD OPERATIONS MANAGER
How To Commit Career Suicide By Publicly Throwing Your Boss Under The Bus

R. MARK HARBESON, P.E.
TRAFFIC FIELD OPERATIONS MANAGER
DelDOT Traffic Field Operations

- Traffic Field Operations
  - Signal Construction (Eddie Toulson)
  - Signal Maintenance (Dan Schmeusser)
  - Signing & Markings (Nick Mogle)
DelDOT Signal Construction

Signal Construction
(Edward Toulson)

- Construction Inspectors
- Signal Technicians
DelDOT Signal Construction

Traffic-Only Projects

- Handoff package goes straight from Traffic Design to Signal Construction
- Assigned through Traffic’s open-end construction contracts (Byers, Kriss, Rommel)
- Same contractor handles all work (both underground and aerial)
DelDOT Signal Construction

Traffic work on Capital Projects

- Handoff package is received when Traffic work is ready to begin
- Project contractor handles underground work (conduits, trenches, pole bases)
- Traffic contractor handles aerial work (poles, mast arms, signal spans)
DelDOT Signal Construction
DelDOT Signal Construction

Critical Items on Projects

- Underground work: correct materials, correct connections for conduits
- Pole bases need to be precise with anchor bolt patterns or poles will not fit
- Notify us when concrete is being poured or with questions
DelDOT Signal Construction

Critical Items on Projects

- Advance notice needed:
  - Electric service applications, electric meter
  - TMC to develop timesheet for signal (both for new MOT phases and for final signal timing)
  - Signal technicians—build and test cabinet operation in shop, program and activate signal in field
  - Traffic Safety: phase changes, lane closures, changes in MOT
Critical Items on Projects

- Traffic contractors and signal technicians are operating on a 2-week look-ahead schedule
- Capital projects are the highest priority
- At this moment, we have 62 total projects on our to-do list (Capital and Traffic)
- 99.78342%* of all issues are communication issues

*not a real statistic
Questions?