



Smyrna ITS Phases 1 & 2

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Town of Smyrna



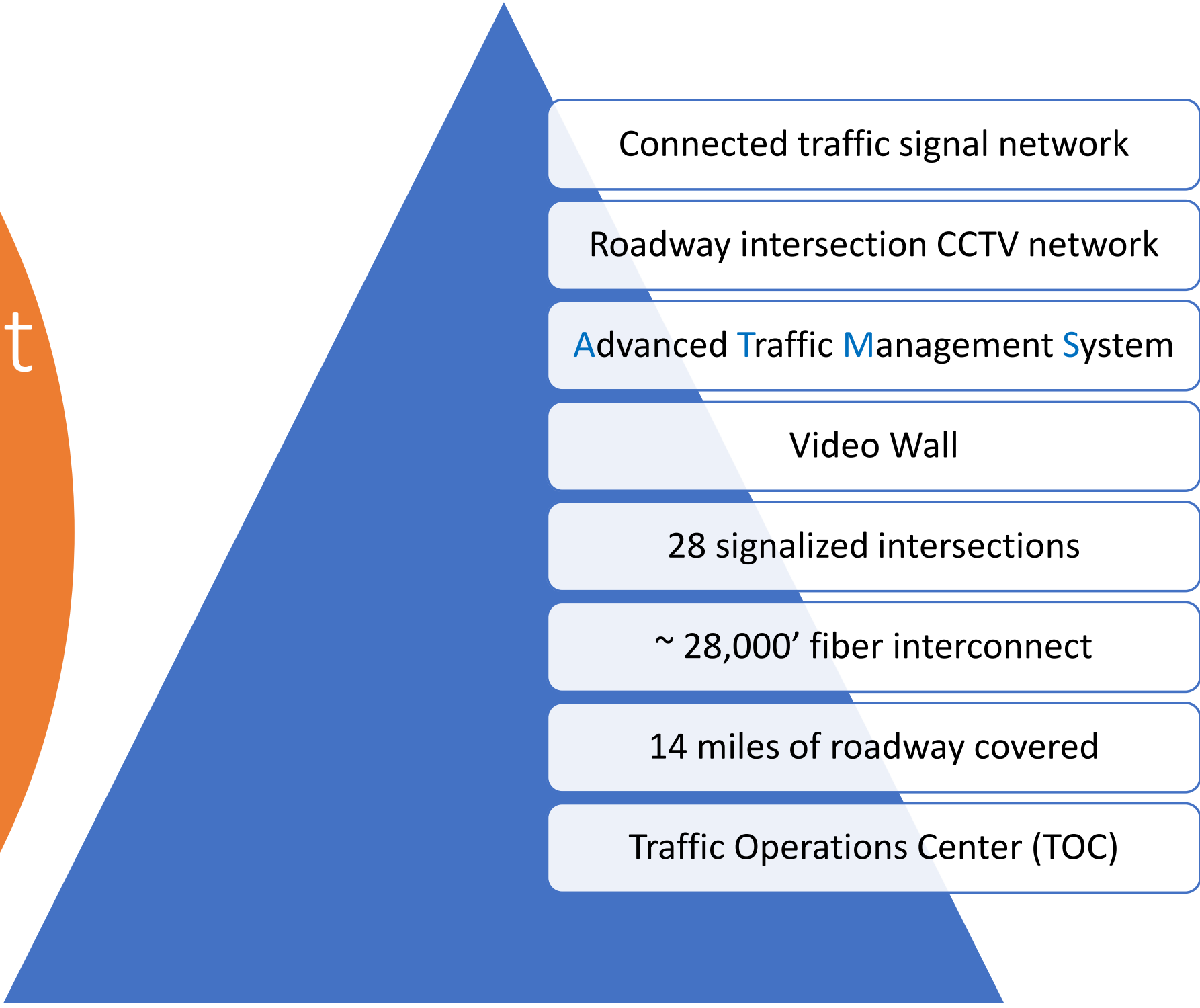
Meredith K Cebelak, PhD PE
Gresham Smith

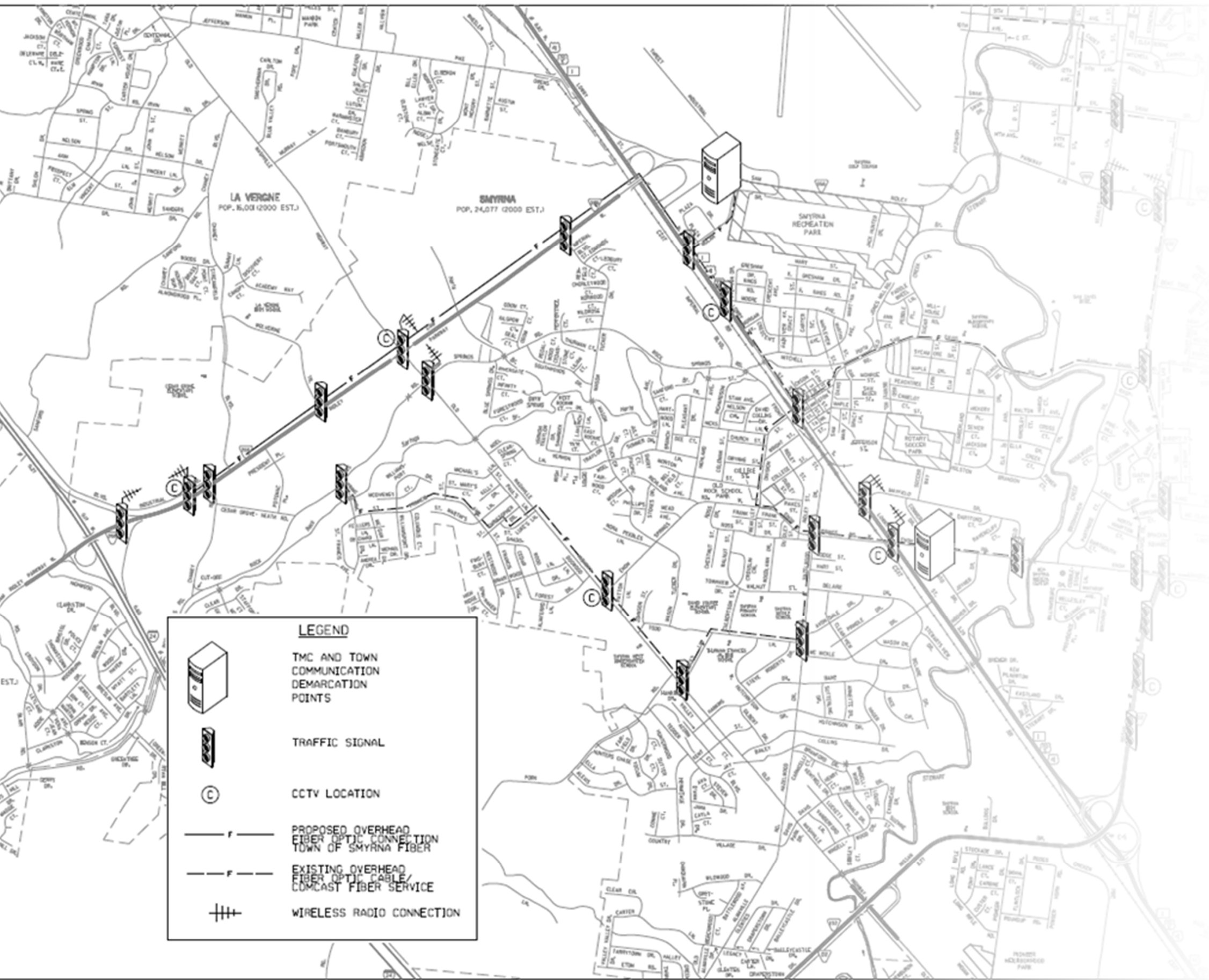


Greg Judy, PE PTOE - VP / Engineer Manager
Neel-Schaffer Inc



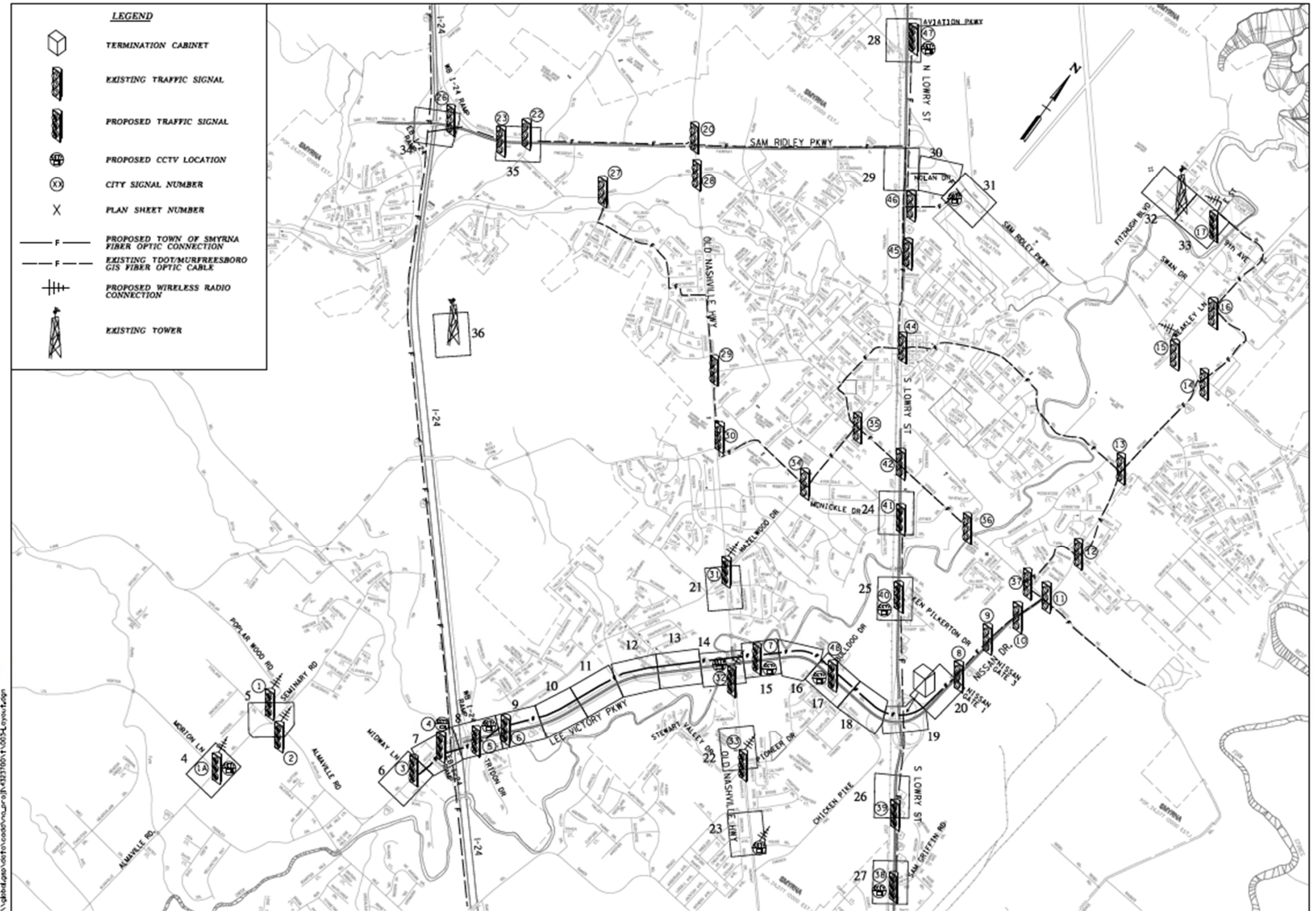
Smyrna ITS Project Snapshot

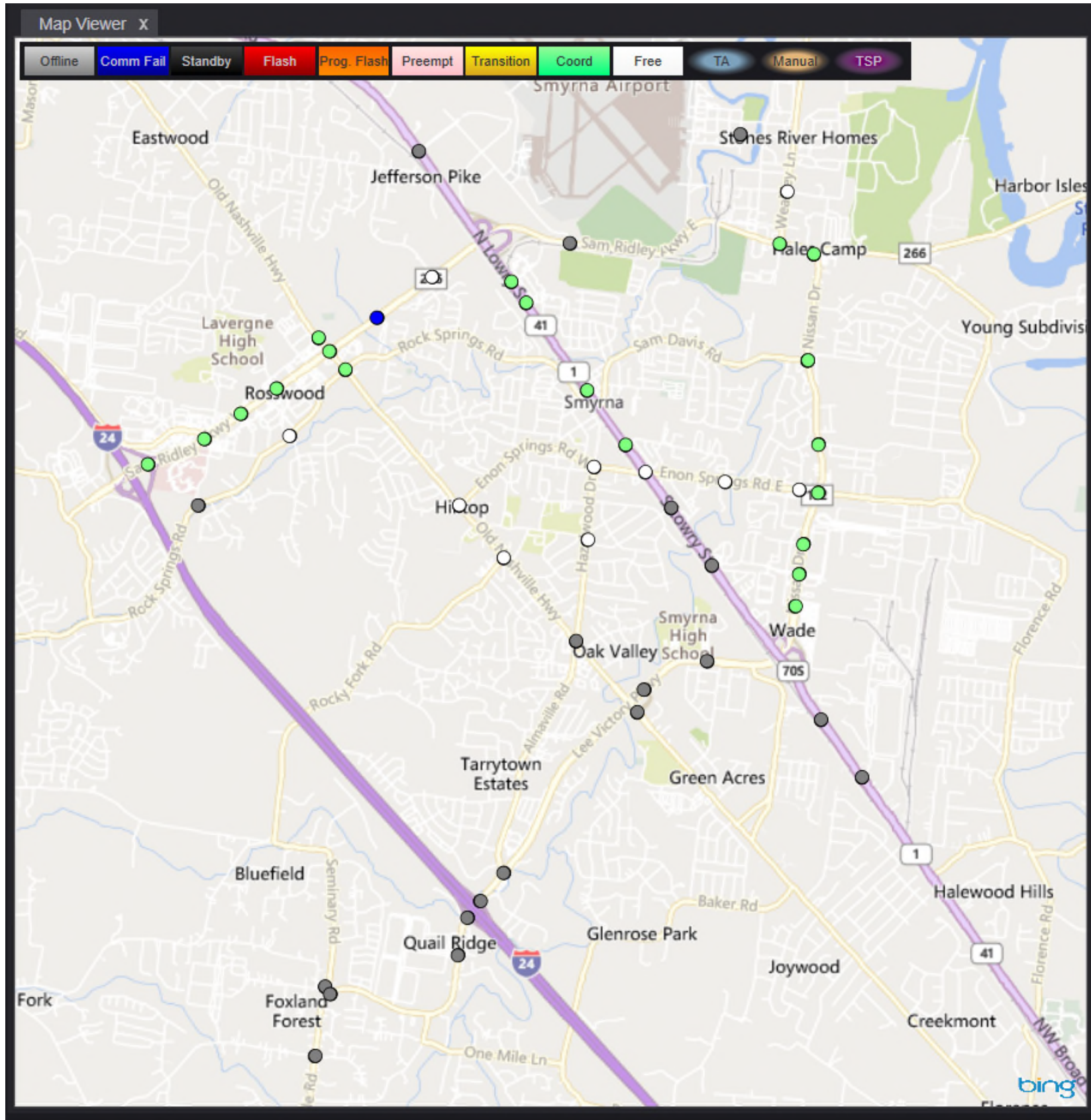




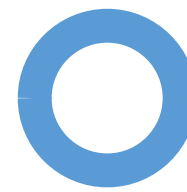
ITS Phases
1 & 2

ITS Phases 3, 4, & 5





Signal Overview



The Project Begins...

2015 – ITS & Communications Master Plan

- Main Goals / Needs/Objectives:
 - Upgrade Signals - GPS Clocks, Communications, New Controllers
 - Install Communications Infrastructure – Existing & New Fiber Opti Cables, Wireless Connections
 - Install Detection and CCTV Cameras
 - Create Traffic Management Center (TMC) & Deploy ATMS software





The Project Begins...

Implementation Plan

- Phase 1 & 2
- Phase 3, 4 & 5



The Project Begins...

- 2016
 - NEPA CE
 - ConOps Developed
 - Preliminary Plans
- 2018
 - Systems Engineering Analysis Report Developed
 - System Requirements
 - System Verification Plan
 - ROW Plans

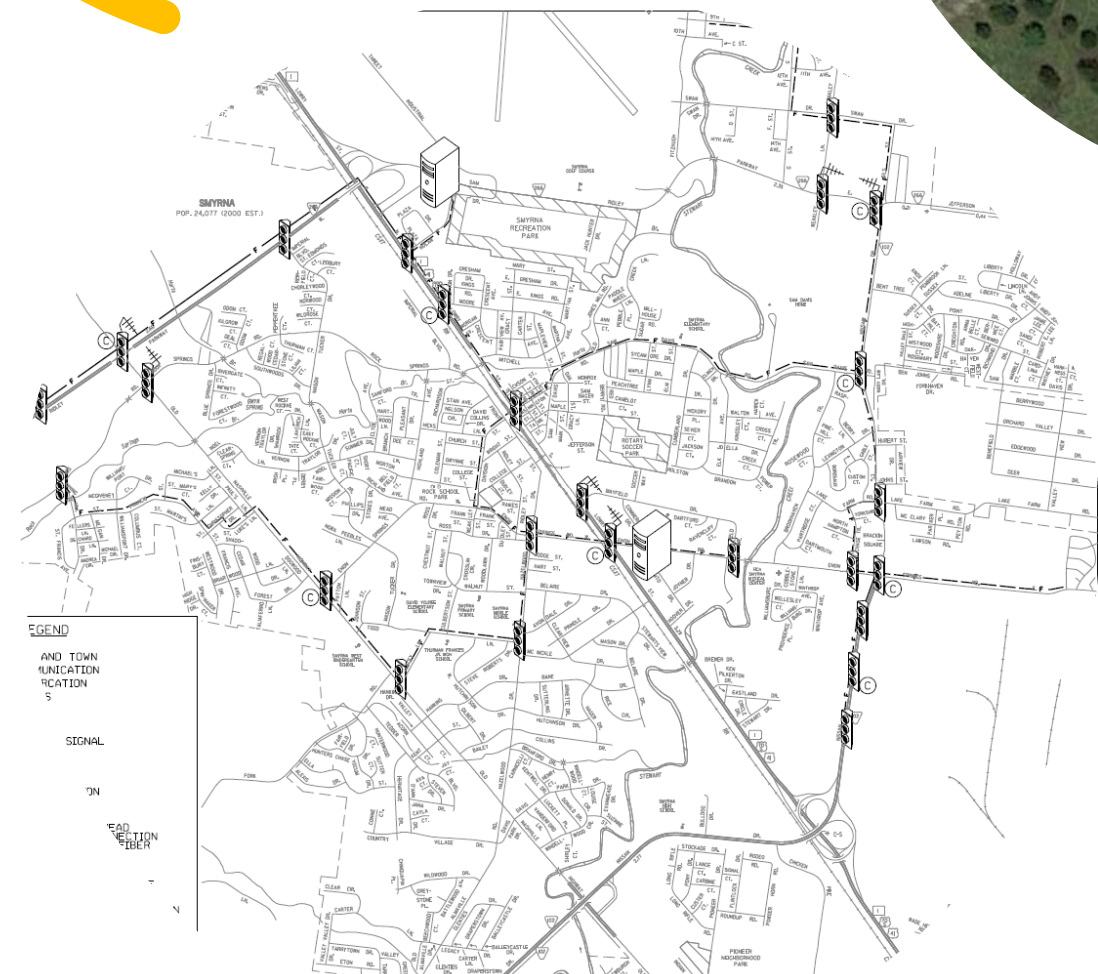
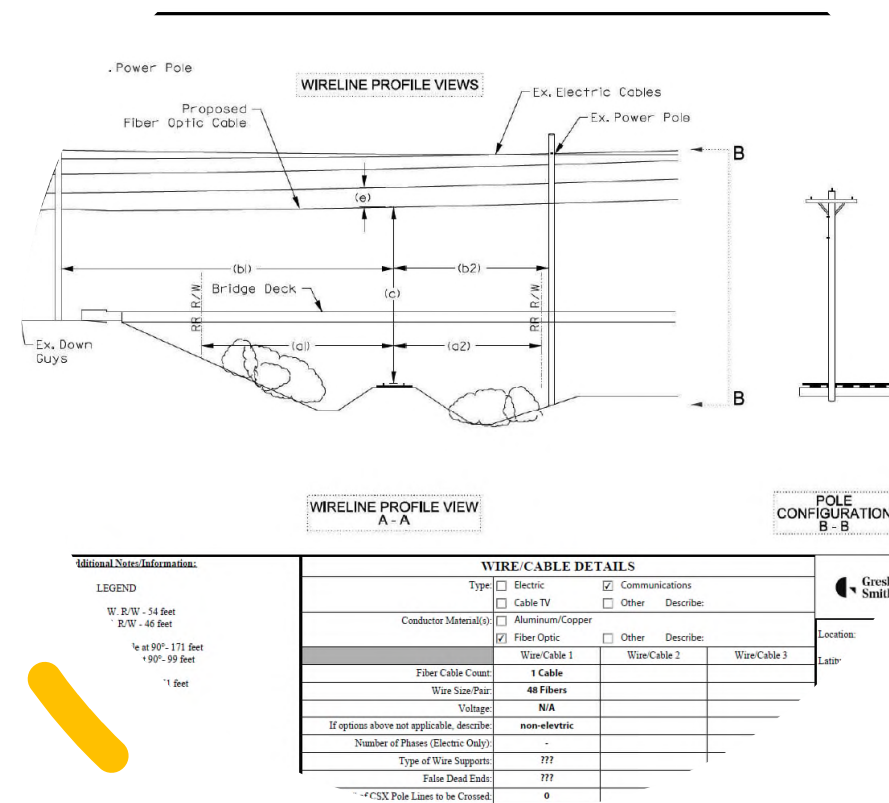
Design Continues

Coordination

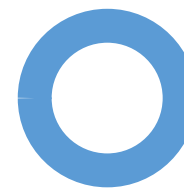
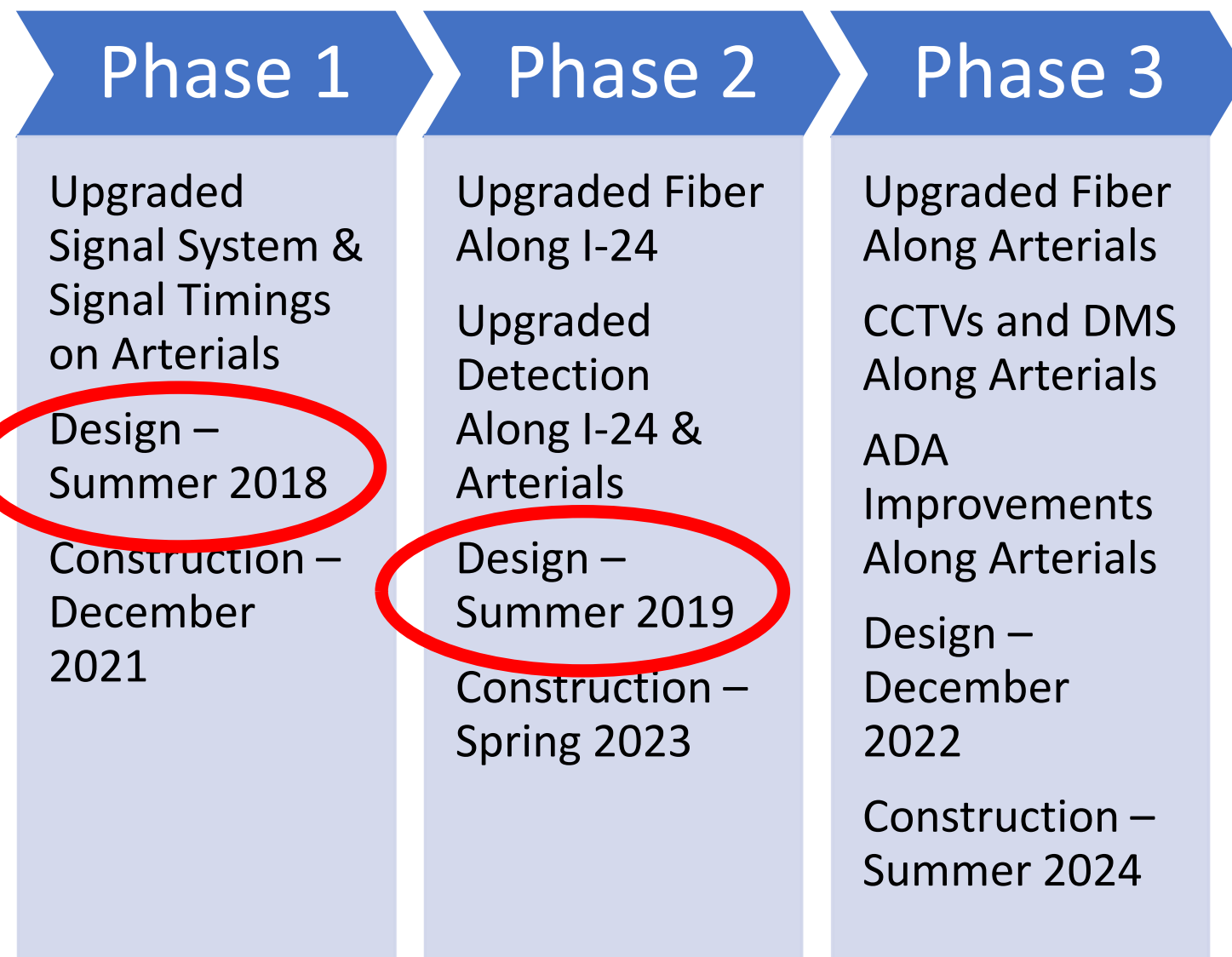
- MTEMC
- CSX

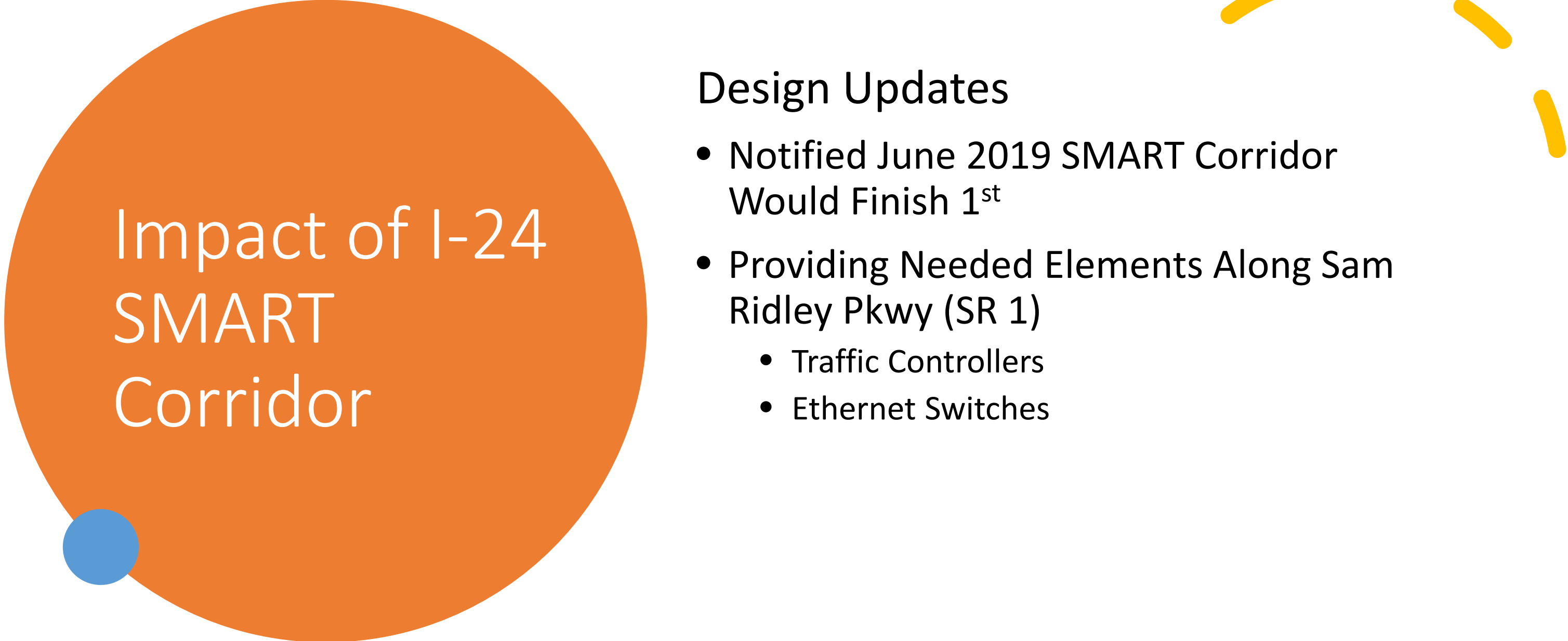
Final Plans

- April 2019



I-24 SMART Corridor





Impact of I-24 SMART Corridor

Design Updates

- Notified June 2019 SMART Corridor Would Finish 1st
- Providing Needed Elements Along Sam Ridley Pkwy (SR 1)
 - Traffic Controllers
 - Ethernet Switches

Smyrna ITS Phase 1 & 2



**Updated Final Plans –
January 2020**



NTP – March 2020



**Bid – September 2020
TDOT Concurrence –
October 2020**



A Successful Team

- Customer
- Designer
- CEI
- Contractor
 - Estimating Team
 - Project Mgt Team
 - Field Delivery Team





**Injury Free
Moment**

