

Session 3B: Signals

Adaptive Signal Implementation: Lessons Learned

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Overview

- Background
- Project Life Cycle
 - Project Selection
 - Design
 - Construction
 - Post-Construction

Background

- Pennoni
 - Pilot Rhythm InSync System – SR 0202 Upper Merion Township
 - 15+ Corridors in PA
 - 150+ Individual Signals In PA
- Presenter
 - 9+ Corridors in PA
 - 80+ Intersections

Project Selection

Project selection is the key component to setting the tone for a successful adaptive signal system implementation!

Design

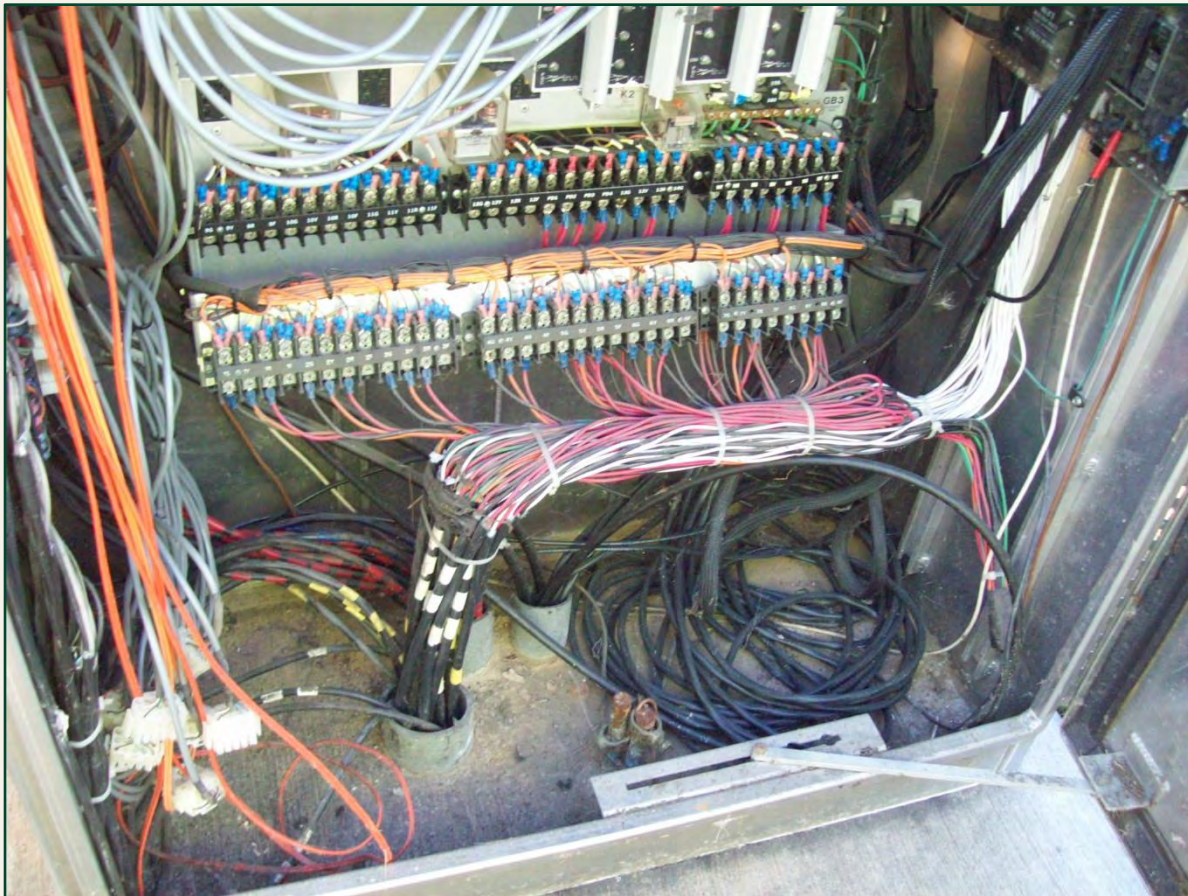
- Conceptual Operation Plan
 - Field review locations
 - Work with the vendor
 - Leave the field with conceptual plan in hand

Design

- Stakeholder Involvement
 - Involve each stakeholder early and often
 - Clearly explain project and conceptual plan
 - Identify pitfalls early
 - Clearly explain roles and responsibilities

Design

Conduit Space is a premium!



Design

As is cabinet space!



Design

Know your Communications!



Construction

Publicity is good!

The image displays two overlapping web browser windows. The left window shows the LancasterOnline website with an article titled "Technology to make Lititz Pike a smoother drive" by Joe Hainthaler. The article discusses the implementation of Adaptive Signal Control Technology (ASCT) on Lititz Pike, a project valued at \$898,000. It mentions that the system will use cameras to detect traffic and adjust signal timing accordingly. The right window shows an ABC27.com news article titled "Lancaster County's first 'adaptive' traffic signals to go live" by Myles Snyder. This article provides more details about the project, stating that the system will be deployed at 14 intersections between Keller Avenue and Owl Hill Road. It also notes that the system will be completely deployed by Thursday or Friday. Both windows show a taskbar at the bottom with various application icons and a system clock indicating 6:02 PM on 4/9/2015.



Construction

Keep the design engineer involved

Post Construction

- Plan your training
 - Have all access requirements completed
 - Identify needed personnel.

Post Construction

Think of the next project

Seek stakeholder feedback

Review project specifications and plans for improvements

Questions

Thank You

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