

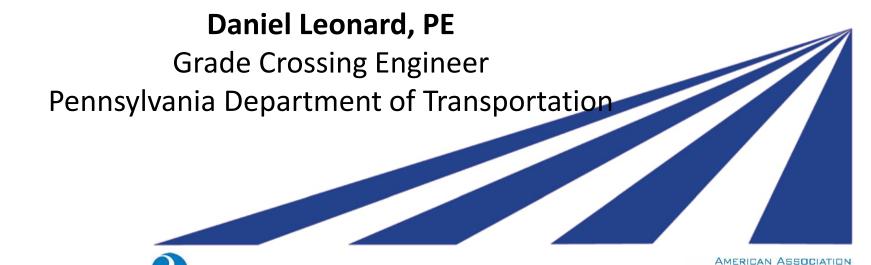




OF STATE HIGHWAY AND
TRANSPORTATION OFFICIALS

Design-Build and other Innovative Contracting Methods

U.S. Department of Transportation Federal Highway Administration



Railroads in Pennsylvania

- 65 Railroads
- Class 1 Railroads
 - Norfolk Southern
 - CSX
 - Canadian National
- Amtrak and SEPTA
- GWI Railroads (5 in PA)
- Short Lines
 - Conrail, RBMN, RJC, WNYP
- Public Ownership
 - SEDA COG JRA, PNERRA, LCRA, etc.

Challenges with Railroads

- Amtrak
 - Federal/Not Federal
 - Different agreement structure
 - Very long lead times
- Railroads are reorganizing, experiencing staff turnover or moving operations
 - NS ROW –new staff, downsizing
 - G&W staff to Jacksonville
 - CSX downsizing staff

Challenges within Pennsylvania

Public Utility Commission

- Per PA Code, exclusive jurisdiction at all Grade Crossings
- Application process
- Hearing process when there's no agreement on project
- Commonwealth of PA cannot indemnify
 - Effect on Master Agreements

Pennsylvania Initiatives

- Design-Build
- Public Private Partnership (P3)

Design Build

- Design-Build
 - PA PUC process
 - Slightly different process with plan review
- SR 718 Project, Sharon, PA
 - Roundabout installation
 - At-grade crossing on one leg
 - RR ROW acquisition beyond the crossing
 - PA PUC process

Innovative Contracting Methods

- Public Private Partnership (P3)
 - Rapid Bridge Replacement project
 - Design, Build, Operate, Maintain
 - 3 year construction, 25 years maintenance
 - 558 bridges
 - 20 projects with railroad involvement

Observations

- All procedures remain the same they cannot be eliminated
 - ROW
 - Utility relocation
 - Railroad coordination
 - PUC process
- Some tasks must remain within the DOT
- Must still follow Federal procedures even when using State funds

Observations

- Give the railroads plenty of lead time coordinate early
- Ask railroads to prioritize projects (P3)
- Your schedule is not necessarily the railroad's schedule
- Designers with railroad experience are a real plus
- Ensure P3 contractor knows there are substantial costs to railroad work – don't just focus on highways or bridges
- Regular coordination meetings are helpful

Observations

- Railroads involved have been very cooperative
 - Class 1s and Shortlines
 - Includes Engineering and Real Estate groups
- Design changes for driver and railroad safety have been incorporated into the projects

Innovative Contracting Methods

Effect on Timelines

- Accelerated schedule
- Constant communication with railroads

Effect on Existing Relationships

- Good existing relationships w/RRs a plus
- Railroads have been very cooperative

Pennsylvania Initiatives

Questions?