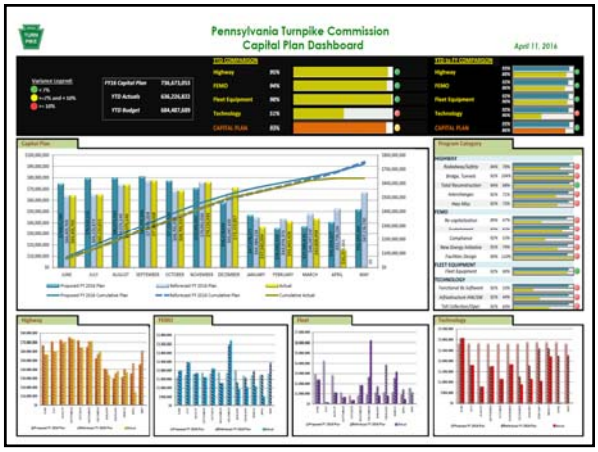
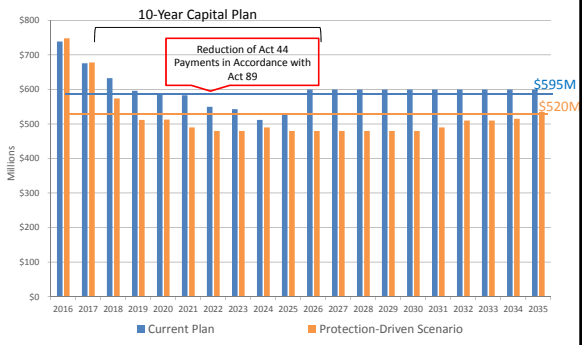
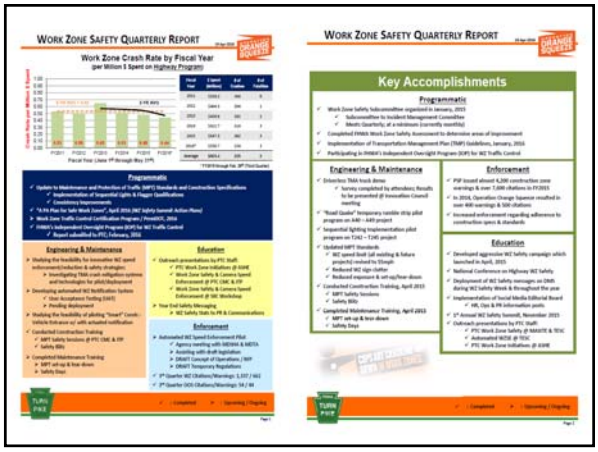
Harrisburg ASHE/PennDOT D-8/PTC
Joint Conference
April 16, 2016



Long Range Plan 2035

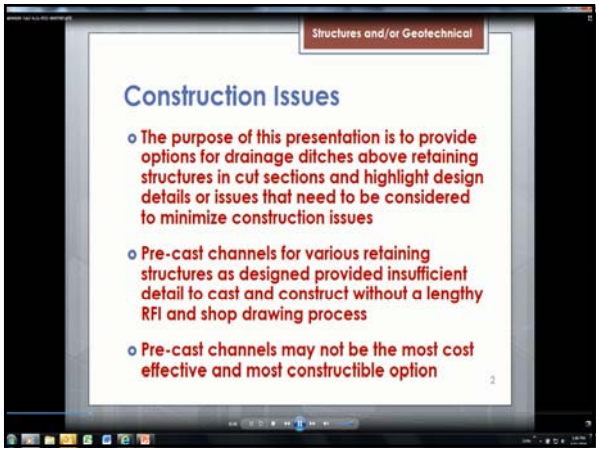


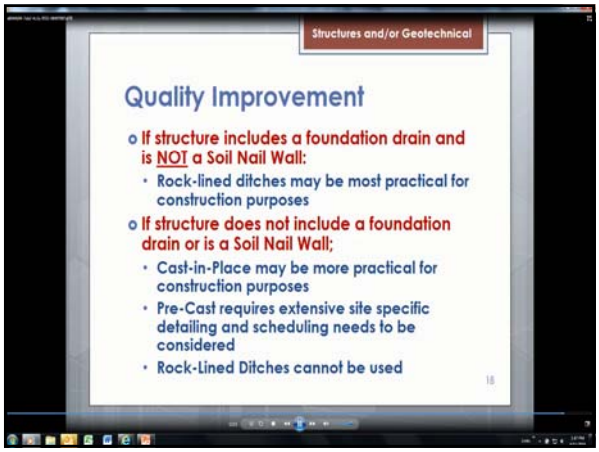
Work Zone Crashes

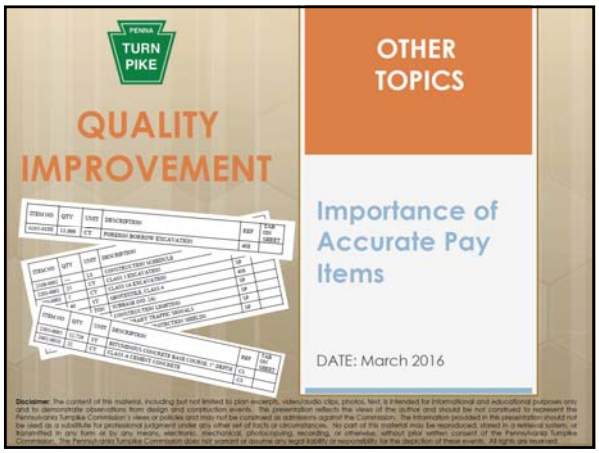

WORK ZONE SAFETY QUARTERLY REPORT
Work Zone Crash Rate by Fiscal Year
Programmatic
Engineering & Maintenance
Education
Enforcement
WORK ZONE SAFETY QUARTERLY REPORT
Key Accomplishments
Programmatic
Engineering & Maintenance
Enforcement
Education

QUALITY
IMPROVEMENT

PENNS TURN PIKE
QUALITY IMPROVEMENT
STRUCTURES AND/OR GEOTECHNICAL
Drainage Ditches Above Retaining Structures In Cut Sections
DATE: December 2015


Structures and/or Geotechnical
Construction Issues
The purpose of this presentation is to provide options for drainage ditches above retaining structures in cut sections and highlight design details or issues that need to be considered to minimize construction issues
Pre-cast channels for various retaining structures as designed provided insufficient detail to cast and construct without a lengthy RFI and shop drawing process
Pre-cast channels may not be the most cost effective and most constructible option
2


Structures and/or Geotechnical
Quality Improvement
If structure includes a foundation drain and is NOT a Soil Nail Wall:
Rock-lined ditches may be most practical for construction purposes
If structure does not include a foundation drain or is a Soil Nail Wall;
Cast-in-Place may be more practical for construction purposes
Pre-Cast requires extensive site specific detailing and scheduling needs to be considered
Rock-Lined Ditches cannot be used
18



Other Topics

Design Errors or Omissions

- Missed items and major quantity busts always cost the PTC more money because there is no negotiating power once the project is let for bid and awarded
  - If negotiation or Force Account is required, this item will be tracked as a Design Error/Omission
- **Most Issues Can Be Resolved with Careful Review of the PTC Specifications!**

17

Other Topics

Quality Improvement Recommendations

- Carefully review plans with specifications to ensure bid tab items match both plans and specifications requirements
- Understand the pay item differences between PTC and PennDOT items (pipes, seeding, blacktop, etc.)
- If you have any "alternates", then every "Either" MUST have an "Or" item
- DO NOT MANIPULATE BID TAB WIZARD!

18

- ❑ PA Turnpike's Operation Orange Squeeze
- ❑I95/I276 Connector Construction Projects
- ❑New Baltimore Slide Remediation Project