NTIS – Update

SHRP2 Nondestructive Testing for Tunnel Linings (R06G) Showcase Event

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September 14, 2016
• Regulation Published
  – July 13, 2015
• Early Implementation
  – Initial Training
  – What is a Tunnel? Memorandum
  – Preliminary Tunnel Inventory
• Things Coming
  – Tunnel Refresher Training
  – Tunnel Inspection Oversight
Regulation Published

- Published July 13, 2015
- SNTI
  - Inventory Data
  - Element Data
- TOMIE
  - Chapter 4 Inspection
    - Procedures
    - Inspection Reporting
Early Implementation

• Initial Training – NHI 130110
  – 8 FHWA Sponsored Sessions in 2015
    • Regional Focus (46 States)
    • 230 Participants
  – 14 DOT/Consultant Sponsored Sessions in 2016
    • 10 States (PA, MA - 3 each)
    • 321 Participants
Early Implementation

• What is a Tunnel? Memorandum
  – October 27, 2015
  – Clarification on when NTIS applies to specific structures
  – Example structure for which NTIS does not apply
  – Recognition of structures that fit both NBIS and NTIS
Early Implementation

- Preliminary Tunnel Inventory
  - December 11, 2015
  - 39 State DOTs and 4 Federal Agencies
  - 473 Total Tunnels Submitted in 41 States
    - Montana and Nebraska (Federal Only)
    - Two entities reported 64 tunnels
      - California
      - National Park Service
Things Coming

• Tunnel Refresher Training
  – 18 hours every 60 months
  – WBT – 4 hours
    • Regulation, Safety, Element Types
  – ILT – 15 hours
    • Procedures, Safety, Element Defect and Condition States
  – Incorporation of new information
    • SHRP2 R06G Report Findings
Things Coming

- Tunnel Inspection Oversight Program
  - 15 Metrics
  - Organization
  - Qualifications – PM, TL
  - Frequency – Routine, Special, In-Depth
  - Procedures – Quality, Functional System Testing, Load Rating, Files
  - Inventory – Submission, Updating
Questions?