

Item 7

Regional Pavement Data Collection Project Update

PRESENTER: CRAIG LUEBKE, TPO STAFF

NO ACTION REQUIRED

Pavement Management 101

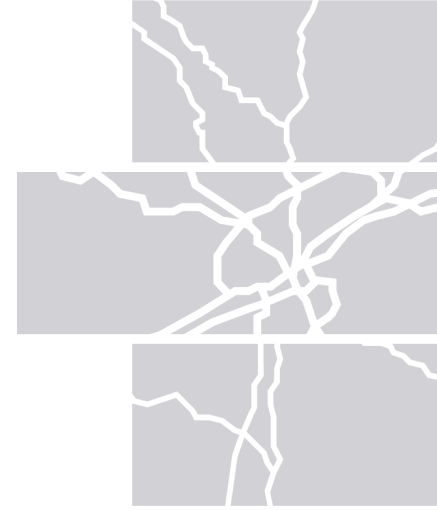
Benefits

- Knowing what you have and what condition it is in
- Being able to tell your story with numbers and facts
- Being able to plan work using performance-based decision making
- Being able to display current condition, projected condition, work by year, and other information visually in GIS maps
- Ability to respond to changing budgets with clear indication of the impact over time



This is What a Pavement Management System (PMS) Does

- Maintains inventory
- Tracks condition
- Anticipates deterioration
 - Systems may start with default values
 - Agency historical information produces better modeling
 - Tracking condition over time enhances modeling capability
- Tracks improvements completed (construction history)



Project Overview

- \$1.6M L-STBG project funded through FY 23-26 TIP call for projects
- Goal – Support pavement management services for participating Knoxville TPO agencies, including:
 - City of Knoxville
 - City of Oak Ridge
 - City of Clinton
 - City of Maryville
 - City of Loudon
 - Blount County
 - Knox County
 - Town of Louisville

• Objectives

• 2024

- Collect condition data for Knoxville, Knox County, Oak Ridge, Louisville, Loudon
- Update PMS Knoxville, Knox County*(pending delivery), Oak Ridge
- Condition Report - Louisville
- Implement StreetLogix in Loudon

• 2025

- Collect condition data for Knoxville, Maryville, Clinton, Blount County
- Update PMS Knoxville, Clinton, Blount County
- GIS delivery Maryville

• 2026

- Collect condition data Knoxville and Knox County
- Update PMS Knoxville and Knox County.
- Maintenance and Preservation Networking Workshop



Schedule

Activity	Dates
Project Kickoff & Local Agency Meetings	Oct 2024 – Complete
2024 Data Collection (Knox County, Knoxville, Oak Ridge, Louisville, Loudon)	Nov 2024 – Jan 2025 - Complete
2024 PMS Updates/Implementation/Reporting	Summer 2025* (nearing completion)
2025 Data Collection (Knoxville, Maryville, Clinton, Blount County)	July – Aug 2025 - Complete
Maintenance and Preservation Workshop	Oct 21, 2025
2025 PMS Updates/Reporting	Late 2025
2026 Data Collection (Knoxville, Knox County)	July – August 2026
2026 PMS Updates/Reporting	Nov 2026
Final Report/Closeout	Dec 2026



Regional Maintenance & Preservation Workshop – Oct. 21, 2025

- Location: Knoxville Public Works Service Center – 3131 Morris Ave.
- Full day workshop covering the following:
 - Examine roadway maintenance and preservation activities in the region, with a focus on what has been tried, what has been learned, and opportunities to advance the use of preservation in the area to make more effective use of resources.
 - Forum for open discussion and exchange of ideas, information, and experiences.
 - Examine impediments to implementation, so that strategies for forward progress can be developed.
 - Free of charge and is not limited to participants in the current pavement data collection contract.
 - The primary audience is city and county public works professionals interested in sharing what they have done and what they would like to do related to pavement maintenance and preservation.
 - Facilitated by Greg Duncan and Mark Gardner. Both are Senior Engineers with Applied Pavement Technology, Inc.

What next?

- Complete remainder of current project through FY 2026
 - Deliver PMS updates & reports from FY 2025 data collection
 - FY 2026 data collection, processing & reporting by end of CY 2026
- Regional PMS 3 - continue data collection to support established systems
 - Funded project (\$1.5M total over 3 years) in the FY 2026-2029 TIP
 - Data re-collection beginning in fiscal year 2027

Questions or comments?

