

MUNICIPAL ADVISORY COMMITTEE MEETING

KEYSTONE BUILDING 8N1 AND MICROSOFT TEAMS • • APRIL 17, 2025



Pennsylvania
Department of Transportation

AGENDA

- **Welcome and Updates – Chris Metka** **1:00-1:10**
- **Updates** **1:10-2:00**
 - Municipal Associations
 - Pennsylvania State Association of Township Supervisors
 - Pennsylvania State Association of Boroughs
 - Pennsylvania Municipal League
 - Pennsylvania State Association of Township Commissioners
 - County Commissioners Association of Pennsylvania
 - Legislative – David Lapadat
 - Municipal Services Fiscal Office – Kristen Sims
 - Highway Administration
 - Mid-Block Crossings and Traffic Calming – Bob Pento
 - Electric Vehicles – Colton Brown
- **Presentations**
 - Buy America and Asphalt Environmental Product Declarations **2:00-2:15**
 - Cost Saving Pavement Preservation Strategies – Wally Percy and Tom Welker **2:15-2:45**
- **Other Discussion and Next Meeting** **2:45-3:00**
- **Adjournment** – Chris Metka **3:00**

WELCOME AND UPDATES

Chris Metka



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MUNICIPAL RESEARCH AND OUTREACH

CHRIS METKA • • APRIL 17, 2025



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MRO UPDATE

- LTAP Courses 2025
 - Maintenance Courses
 - **Drainage Pipes and Culvert Installation and Replacement** (New)
 - **Asphalt Road Maintenance** (Major Update)
(Previously *Asphalt Roads Common Maintenance Problems*)
 - Available starting this Summer
 - Safety Courses – *All updates*
 - ADA
 - Active Transportation
 - Speed Limits
 - Ped/Crosswalks
 - Curves on Local Roads
 - Intro to Traffic Studies
 - Pavement Markings
 - Traffic Calming
 - Recording: [Cost Saving Pavement Preservation Techniques Drop-In](#)



Pennsylvania
Department of Transportation
Local Technical Assistance Program



MRO UPDATE

What can we help with?

- ✓ General PennDOT Connects Information
- ✓ Planning Documents/Ordinances
- ✓ Bike/Ped/Transit/Trails
- ✓ Mobility/Accessibility
- ✓ Improving Safety
- ✓ Funding Opportunities/Applications
- ✓ Protecting Natural Resources/Open Space
- ✓ Accommodating growth/new development
- ✓ Economic Development
- ✓ Stormwater Management
- ✓ Asset Management/GIS



Request
Assistance

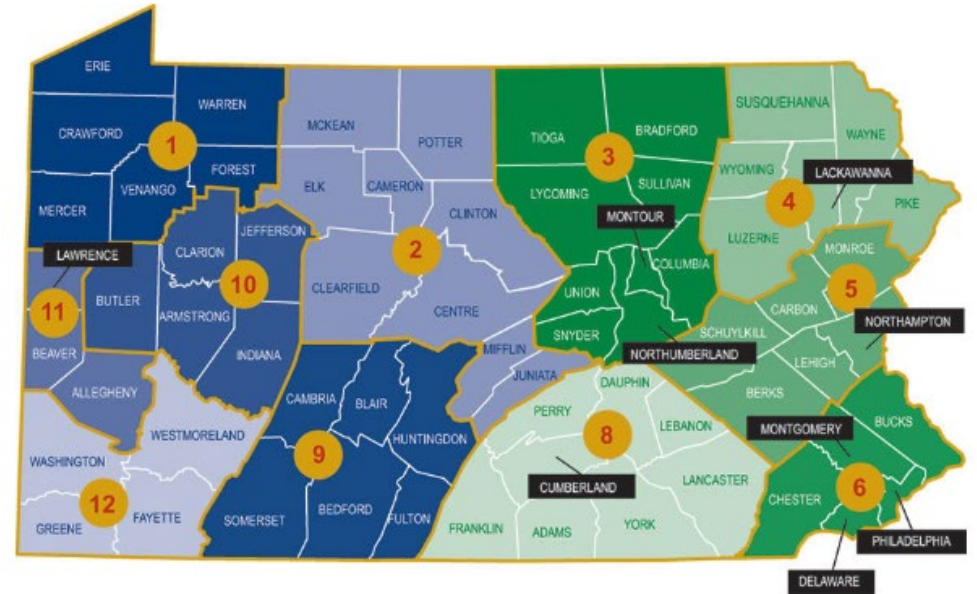
[PennDOT Connects Municipal Outreach Webpage](#)

Email: paconnects@pa.gov

Phone: 717-710-2090

MRO UPDATE

- PennDOT Connects 2025 Municipal Outreach Sessions
- Topics
 - Transportation/Land Use Development Planning Resources
 - Technical Assistance
 - Newsletters
 - Virtual learning: Drop-Ins/Webinars
 - Recorded Training
 - One Map Demonstration
 - Local Bridge Inventory
 - Attendees' questions and feedback



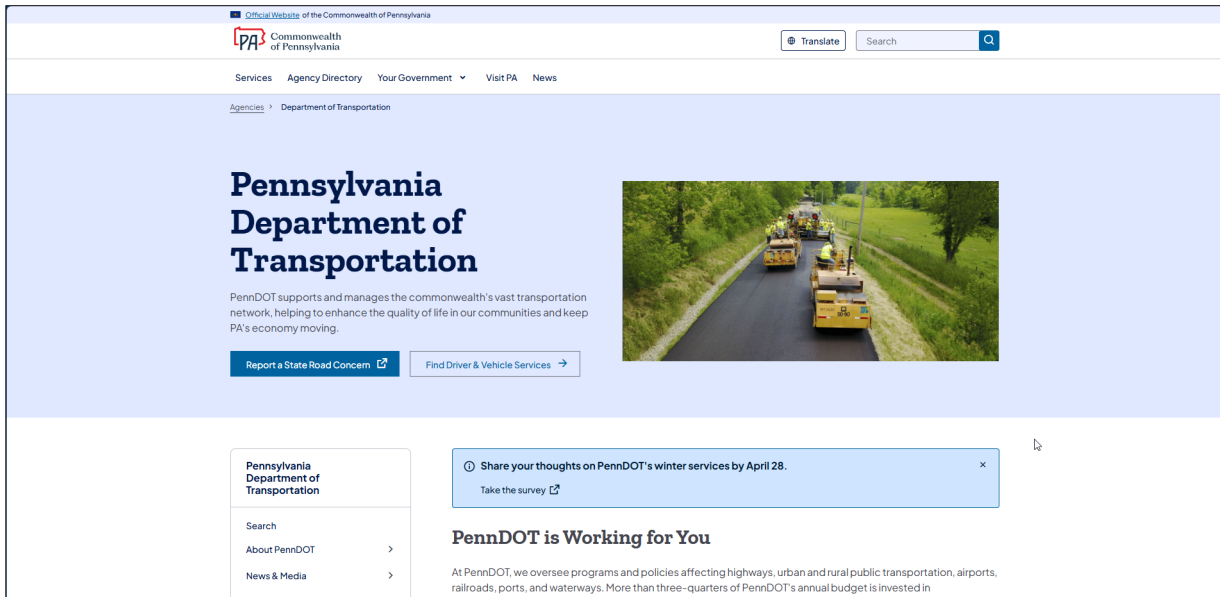
MRO UPDATE

| District | Meeting | Date | Time | Facility | Registration or Recording Link |
|-------------|---------|------------|---------------|--------------------|--|
| District 1 | Hybrid | April 28th | 1:00-3:00 PM | District 1 Office | PennDOT District 1 & Virtual |
| District 2 | Hybrid | May 1st | 9:00-11:00 AM | District 2 Office | PennDOT District 2 & Virtual |
| District 3 | Virtual | May 12th | 9:00-11:00 AM | Virtual | All Virtual |
| District 4 | Hybrid | April 8th | 9:00-11:00 AM | District 4 Office | District 4 Recording |
| District 5 | Hybrid | March 27th | 1:00-3:00 PM | District 5 Office | District 5 Recording |
| District 6 | Virtual | April 14th | 9:00-11:00 AM | Virtual | District 6 Recording |
| District 8 | Virtual | March 26th | 9:00-11:00 AM | District 8 Office | District 8 Recording |
| District 9 | Virtual | April 1st | 1:00-3:00 PM | Virtual | District 9 Recording |
| District 10 | Hybrid | April 15th | 1:00-3:00 PM | District 10 Office | District 10 Recording |
| District 11 | Virtual | March 25th | 1:00-3:00 PM | Virtual | District 11 Recording |
| District 12 | Hybrid | April 9th | 1:00-3:00 PM | District 12 Office | District 12 Recording |

Find your PennDOT District: <https://www.pa.gov/agencies/penndot/regional-offices.html>

MRO UPDATE

- Rebranding
- Website
 - Broken links?
 - Bookmarks
 - Lost pages?
 - Searches?



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Department of Transportation
Local Technical Assistance Program



MUNICIPAL ASSOCIATION UPDATES

- **Pennsylvania State Association of Township Supervisors**
 - Joe Gerdes
 - Holly Fishel
 - Brian Rengert
- **Pennsylvania State Association of Boroughs**
 - Ron Grutza
 - Logan Stover
- **Pennsylvania Municipal League**
 - Amy Sturges
 - Kaitlin Errickson
- **Pennsylvania State Association of Township Commissioners**
 - John Lucas
- **County Commissioners Association of Pennsylvania**
 - Sophie Eyer
 - Frank Mazza



UPDATES

- **Legislative**
 - David Lapadat
- **Municipal Services Fiscal Office**
 - Kristen Sims
- **Highway Administration**
 - Bob Pento
 - Colton Brown



LEGISLATIVE UPDATE

DAVID LAPADAT • • APRIL 17, 2025



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Legislative Update

Active Legislation

HB 291 – Parking protected bike lanes

SB 65 - School Bus Enhanced Penalties

Highway Turnback

Per Mile Maintenance rate: \$6,000. Based on CPI

REAL ID DAY

May 7, 2025

Work zone Awareness Safety Week

April 21-25th, raise public awareness



Keep Right, Pass Left. It's the Law.

MUNICIPAL SERVICES FISCAL OFFICE

KRISTEN SIMS • • APRIL 17, 2025



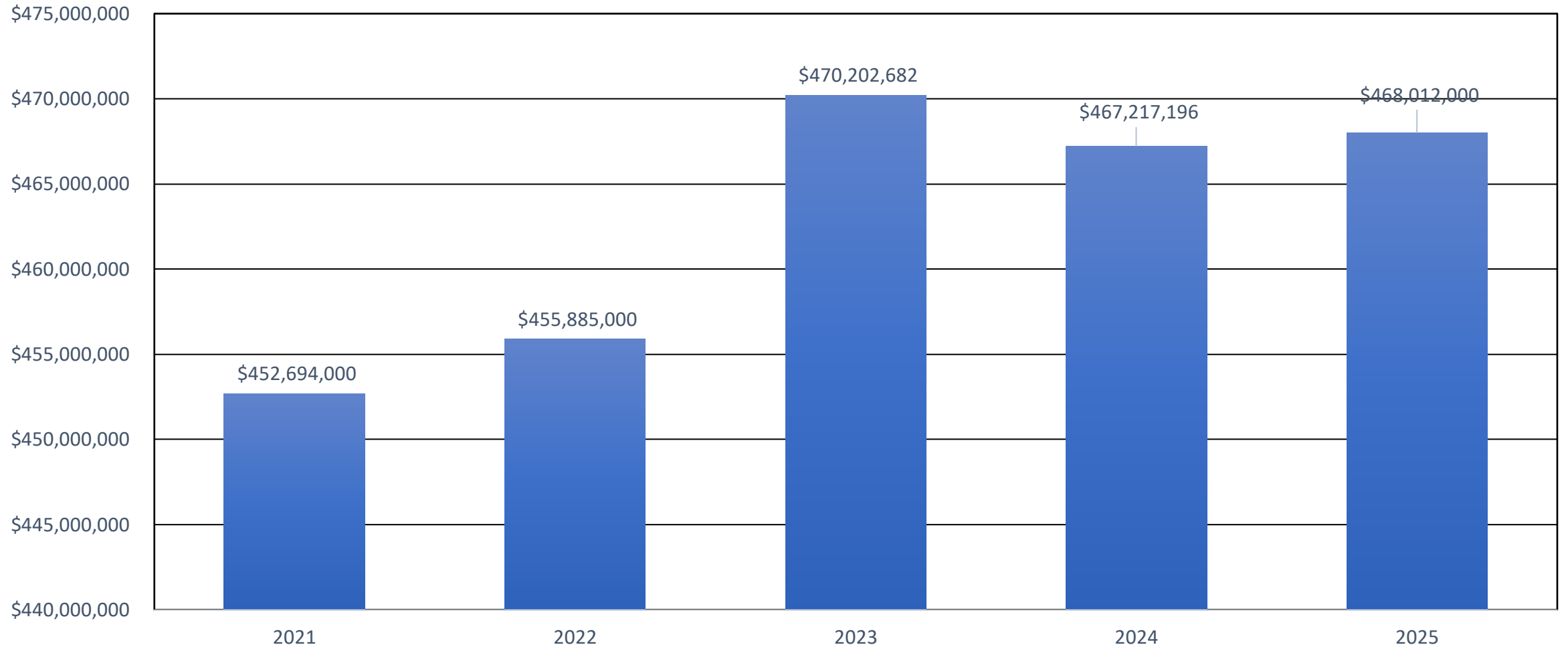
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MLF ALLOCATIONS

- 2025 MLF allocation - \$468,012,000
 - \$794,804 (0.2%) increase
- As of April 14, 2025 - \$400,308,368 released to 2,400 municipalities
 - Payments released as municipalities become certified

MLF ALLOCATION HISTORY

Municipal Liquid Fuels History



PRIOR MLF ALLOCATIONS

- 2024 MLF allocation - \$467,217,196
 - \$2,985,486 (0.6%) decrease
 - As of April 14, 2025 - \$463,477,031 released to 2,530 municipalities
 - Payments released as municipalities become certified
- 2023 MLF allocation - \$470,202,682
 - \$14,317,682 (3.1%) increase
 - As of April 14, 2025 - \$468,689,593 released to 2,548 municipalities
 - Payments released as municipalities become certified
 - Funds will lapse June 30, 2025
 - Certified letters being prepared

DECEMBER 2024 ALLOCATIONS

- The following payments were made on December 1, 2024
 - State Police Fines and Penalties to eligible municipalities - \$2,770,637 (\$2,418,584 to municipalities, \$352,053 to PSP for cadet classes)
 - County Liquid Fuels Tax Fund to all counties - \$13,268,638 (4 on hold)
 - Act 44 to eligible counties (61) - \$5,000,000 (1 on hold)
 - Act 89 to eligible counties (61) - \$4,640,000 (1 on hold)
 - \$5 Fee for Local Use to counties who have passed the required ordinance (26) - \$19,771,795

FHWA FORM 536

- Form will be due to PennDOT June 15, 2025
- Site is being updated now and should open within next two weeks
- Mandatory per FHWA
- Contact Financial Consultant for assistance
- Listing on municipalities/counties that did/did not submit form is to be provided to FHWA

ANY
QUESTIONS
?

HIGHWAY ADMIN UPDATES

- **Mid-Block Crossings and Traffic Calming**
 - Bob Pento
- **Electric Vehicles**
 - Colton Brown

APRIL 17, 2025



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MID-BLOCK CROSSINGS AND TRAFFIC CALMING

BOB PENTO • • APRIL 17, 2025



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ELECTRIC VEHICLES

COLTON BROWN • • APRIL 17, 2025



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PRESENTATIONS

- **Buy America and Asphalt Environmental Product Declarations**
 - Matt Briggs
- **Winter Roadway Damage and Cost Saving Pavement Preservation Strategies**
 - Wally Percy
 - Tom Welker



BUREAU OF CONSTRUCTION AND MATERIALS - UPDATES

Asphalt Environmental Product Declarations (EPDs) and Buy America

ENVIRONMENTAL PRODUCT DECLARATIONS

Starting in 2025

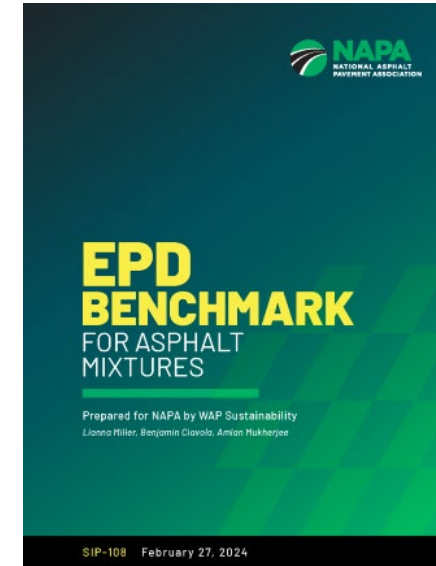
Standard Special Provision

EPDs Are Not Required

EPD Exemption

Requiring EPDs for Asphalt Mixtures

Future Considerations



2025 BUY AMERICA

BABA Law - Introduction

Manufactured Products Waiver

Important Future Dates

BOCM Compliance Initiative

Department Next Steps

Future Updates



ANY QUESTIONS?

Matthew Briggs
PennDOT
Bureau of Construction and Materials
(717) 346-1581
mabriggs@pa.us

THANK YOU

Any Questions?

WINTER ROADWAY DAMAGE AND COST SAVING PAVEMENT PRESERVATIONS TECHNIQUES

WALLY PERCY AND TOM WELKER • • APRIL 17, 2025



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PRESENTERS

Tom Welker

PennDOT Municipal Services
Specialist

twelker@pa.gov

Wally Percy IV

Asphalt Paving Systems

PAAMA Board Member

PAAMA Preservation Overlay
Committee Chairman

wpercy4@asphaltpavingsystems.com

609-790-6440

SPRING ROAD INSPECTIONS

How did this past winter season affect your roadways?

Extreme Cold

Lots of Salt use

Freeze/Thaw Cycles

Did it become a Budget Buster?

WHAT DID YOU PLAN FOR 2025

From when you estimated your road maintenance/construction budget in 2024 are you anticipating reducing the work you planned?

Did your pothole problem seem to be worse this year?

Just how do you plan to prevent a repeat?

Pavement Preservation can help.

The Pennsylvania Association of Asphalt Material Applicators (PAAMA) is a professional organization comprised of road maintenance and paving contractors as well as emulsion producers, engaged in the application of liquid bituminous products, along with material suppliers, engineers, consultants and testing laboratories from Pennsylvania and surrounding states.

PAAMA promotes the continued usage of Cold In-Place Asphalt Recycling, Full Depth Reclamation, Soil Stabilization, Cold Mix Paving, Ultra-Thin Friction Course, Micro-Surfacing, Slurry Seal, Chip Seal, Crack Seal, Fog Seal and application of Tack and Prime coats at state and municipal levels as well as in the private sector.

POTHOLE PREVENTION 101

The best way to fix potholes is to prevent them from happening in the first place.

Protecting your good roads from oxidation and water intrusion will save your agency money and prevent potholes.



OXIDATION AND MOISTURE

- Oxidation

- “Because asphalt is a natural organic aggregate and of ancient living organisms, it is subject to chemical oxidation by reaction with atmospheric oxygen. Asphalt oxidation is of pragmatic importance because it leads to the hardening of the asphalt, resulting in a deterioration of desirable physical properties.... eventually resulting in excessive pavement cracking.”

TRB -TRANSPORTATION RESEARCH CIRCULAR E-C140 - J. Claine Petersen

- Moisture Intrusion

- “Moisture damage is one of the most important and common factors affecting durability of asphalt pavement. Moisture intrusion into asphalt mixture seriously weakens the adhesion of asphalt and aggregate and then leads to the debonding of asphalt-aggregate interface.”

Influence of moisture on the migration of asphalt components – Peilang Cong

OXIDATION AND MOISTURE DAMAGE

Park Avenue
January 12, 2016

Bridgeport, CT
2004: 2" Mill & Fill

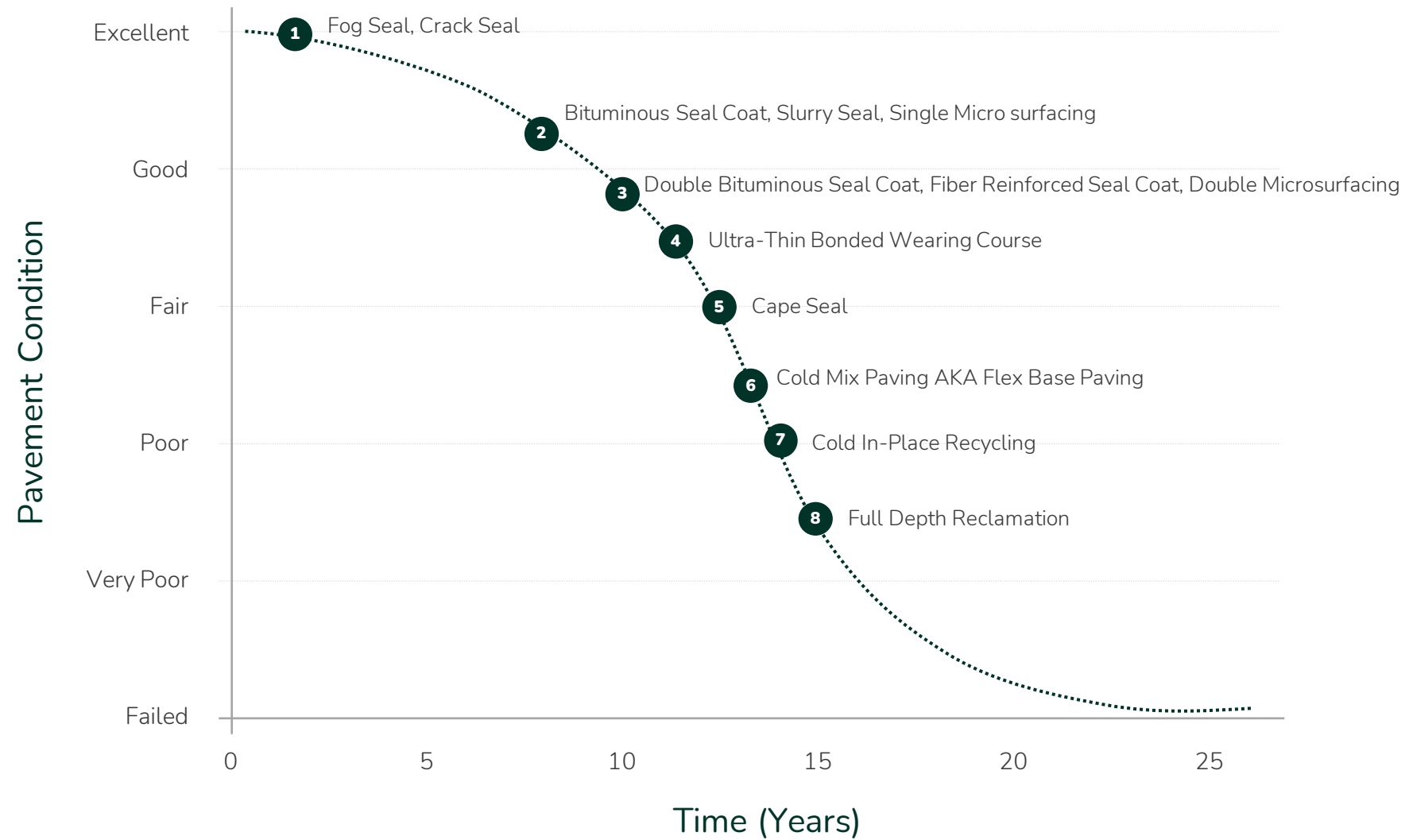
Fairfield, CT
2004: 2" Mill & Fill
2010: Crack Sealing &
Microsurfacing

USING PAVEMENT PRESERVATION

- Spending a portion of your budget on less expensive surface treatments that keep GOOD ROADS in GOOD CONDITION while still rebuilding your worst roads allows you to treat a higher percentage of your road network.
- What is the maintenance cycle on your typical road? How often do you perform preventive maintenance on a section?
- PennDOT schedules a Seal Coat or other surface treatment every 6 years*. In between, they usually crack seal around year 4.

* Non Freeway County Maintained Roads

PAAMA Treatments Keep Good Roads in Good Condition



CRACK SEALING

- Crack Sealing is your first line of defense.
- FHWA states "Crack Sealing is the single most effective preventive maintenance tool available"
- National studies show that Crack Sealing a road in Good Condition keeps it in Good Condition for up to 12 years.
- Cracks left unsealed WILL become potholes.



ASPHALT EMULSION FOG SEALS

- Spraying a light coating of diluted Asphalt Emulsion seals the pavements surface and protects the asphalt binder.
- Fog Seals can be rejuvenating or standard emulsion.
- Fog Seals should be used early in the life of the pavement within 3 years of construction.
- Fog Seals are also used over a new Chip Seal to protect the seal and lock in the chips.



ASPHALT SEALERS

- Asphalt Sealers (Onyx, Liquid Road) are usually emulsion based but have additional chemicals, fillers and often fine aggregate to help improve performance and skid resistance.
- Like Fog Seals, they should be applied early in the life of the pavement.
- They seal the surface and help prevent oxidation and further asphalt hardening.



BITUMINOUS SEALCOAT (CHIP SEAL)

- Bituminous Seal Coat is essentially a single layer of asphalt binder that is covered by embedded aggregate (one stone thick) whose primary purpose is to slow oxidation, seal the fine cracks in an underlying pavement's surface and prevent water intrusion into the base and subgrade.
- The main advantages of chip seals include:
 - **Improved Skid Resistance:** Chip seals provide good skid resistance,
 - **Cost Effective Treatments:** Chip seals are typically cost effective when properly placed on the right type of pavement,
 - **Good Durability:** By using durable aggregates, chip seals wear well and can have long service lives,
 - **Ease of Construction:** Chip seals are typically constructed rapidly and cause less disruption to the traveling public.



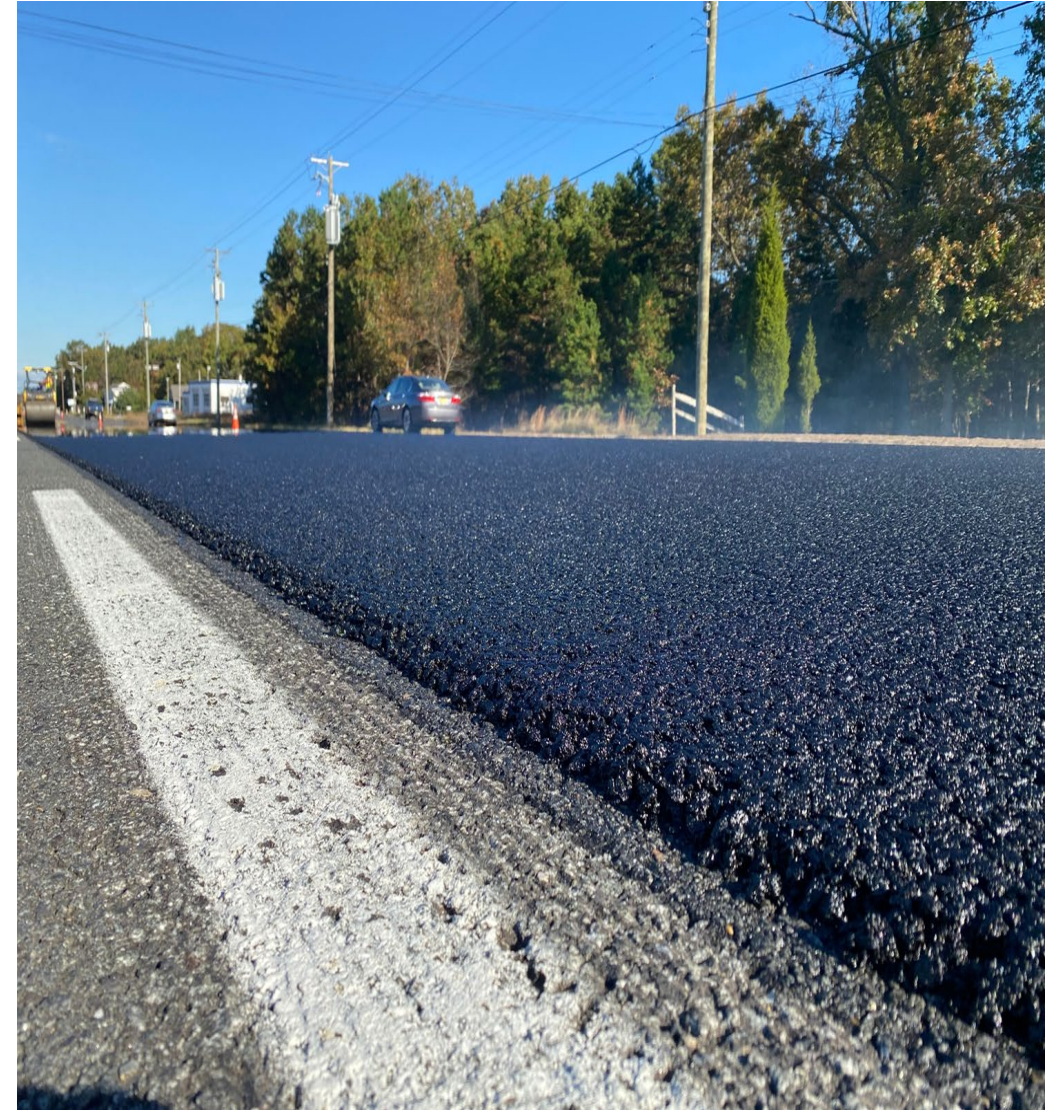
SLURRY SURFACING (SLURRY AND MICRO SURFACING)

- Slurry Surfacing is an emulsion-based asphalt overlay process that blends 100% fine crushed aggregate with cement and asphalt. The surface is tough and skid resistant.
- Slurry can be used a preservation seal to protect from oxidation and moisture intrusion.
- Micro surfacing also protects to pavement but can also be used to transversely level the road and fill ruts.



ULTRA-THIN BONDED WEARING COURSE

- Ultra-Thin Bonded Wearing Course (UTBWC) is designed for use as a high-performance ultra-thin overlay which seals the existing road surface and provides a skid-resistant, smooth, and thin ($\frac{3}{4}$ inch) gap graded hot mix asphalt wearing course in a single operation.
- This Pavement Preservation treatment is ideal for structurally sound asphalt or concrete pavements which are exhibiting signs of surface oxidation, raveling, cracking, or minor rutting. Pavement Condition A, B or C (PCI 65 or greater)



PAAMA Guidance on Pavement Preservation



Includes basic information on Pavement Preservation
theory and processes

Download today or view at WWW.PAAMA.ORG/HOME



PAAMA

Pennsylvania Association of Asphalt Material Applicators



THE OWNERS' MANUAL FOR YOUR PAVEMENT NETWORK

MAY 22, 2025

A **FREE** "how to" guide for your roads.



PAAMA CONTACTS

Rex W. Eberly

Pennsylvania Association of
Asphalt Material Applicators
(PAAMA)

director@paama.org

785-819-1403

Wally Percy IV

Asphalt Paving Systems

PAAMA Board Member

PAAMA Preservation Overlay Committee
Chairman

wpercy4@asphaltpavingsystems.com

609-790-6440

SUMMER MEETING: TUESDAY JULY 29TH

1:00-3:00 PM
Microsoft Teams

Draft Topics:

- TBD
- TBD
- TBD



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FALL MEETING: THURSDAY NOVEMBER 6TH

1:00-3:00 PM

Keystone Building 8N1 and Microsoft Teams

Draft Topics:

- TBD
- TBD
- TBD



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FOLLOW-UPS

- PDF of all PowerPoint slides
- Updates document
 - Quick updates not discussed during MAC Meeting
 - PennDOT and Partner Agencies



Municipal Advisory Committee Meeting April 17, 2025 Updates



FEDERAL HIGHWAYS ADMINISTRATION (FHWA)

No update at this time.

DEPARTMENT OF COMMUNITY AND ECONOMIC DEVELOPMENT (DCED)

No update at this time.

HIGHWAY TRANSFER (TURNBACKS) PROGRAM

Rehabilitation projects are ongoing. \$8,762,063.66 in funding has been approved to date for 2024-25. New projects continue to be planned.

The newest version of "PUB 663: PennDOT Highway Transfer Turnback Program" brochure is available. The publication can be found [here](#).

MULTIMODAL

The Multimodal Deputate with assistance from PennDOT District Project Management and Central Office staff are currently evaluating the 2025-26 MTF applications submitted. We anticipate that award announcements will be made August 2025.



ADJOURNMENT



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