

**UPPER MORELAND TOWNSHIP  
Public Health & Safety Committee Meeting  
October 20, 2025 at 7:00 p.m.**

**AGENDA ITEMS ARE SUBJECT TO CHANGE**

**INSTRUCTIONS TO JOIN:**

**Go to Zoom.us.** Click "Join a Meeting"  
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**Public Health & Safety Committee Members:** Commissioner and Committee Chair Charles M. Whiting, Commissioner and Board President Kip McFatridge and Commissioner Jared Jacobs; Township Staff Members/Representatives: Police Chief Scott Bendig, Fire Chief Ed Glassman, Assistant Chief Ken Davidson, Second Alarmers Association & Rescue Squad

- I. Call to Order**
- II. Roll Call**
- III. Presentation/Announcements**
- IV. Public Comments – Non-Agenda Items Only**
- V. Approval of Minutes** – September 22, 2025 (attachment)
- VI. Acceptance and approval of the following monthly report** (attachments):
  - A. Police Department Monthly Report by Police Chief Bendig
  - B. Fire Department by Fire Chief Glassman
  - C. Second Alarmers Association & Rescue Squad by Assistant Chief Ken Davidson
- VII. Old Business**
- VIII. New Business**
  - A. County Request for Bicycle Lanes along Terwood Road (York Road – Davisville Road) (attachments)
- IX. Other Items**
- X. Commissioner Comments**
- XI. Adjournment**

## Public Health & Safety Committee Meeting

**Public Health & Safety Committee Members:** Commissioner and Committee Chair Charles M. Whiting, Commissioner Kip McFatridge, Commissioner Jared Jacobs; Scott Bendig, Police Chief; Edward Glassman, Fire Chief; Kenneth E. Davidson, Assistant Chief Operations & Administration - Second Alarmer's Rescue Squad (SARS)

- I. **Call to order:** Commissioner and Committee Chair Charles M. Whiting called the meeting to order.
- II. **Pledge of Allegiance**
- III. **Roll Call:** Commissioner and Committee Chair Whiting, Commissioners McFatridge and Jacobs. Fire Chief Glassman, Police Chief Bendig, SARS Assistant Chief Davidson. Also present: Patrick T. Stasio, Township Manager, and Sean Kilkenny, Township Solicitor.
- IV. **Announcements** – Nothing to report.
- V. **Public Comments – Non-Agenda Items Only** - Nothing to report.
- VI. **Approval of Minutes – July 21, 2025:**  
The Committee unanimously approved the meeting minutes as submitted.
- VII. **Acceptance and approval of the following monthly reports – July and August 2025:**
  - A. Police Department – Memorandum and Monthly Reports: Police Chief Bendig reviewed statistics and details on the following:
    - Services, criminal investigations, traffic enforcement, incidents, trainings, community events.
    - Junior Police Academy Camp was held on July 30-31 with 57 youth in attendance.
    - New Police Officer Michael Capobianco completed field training and is officially on the street serving the community. Anticipating three new Officers to complete field training and be out serving the community by the end of September.
  - B. Department of Emergency Services – Fire Chief Glassman reviewed the following items in the report:
    - Calls, significant incidents, permits, inspections, and fees.
    - Participated in the Montgomery County Emergency Management meeting and the Eastern Montgomery County Emergency Management meeting.
    - Thank you received from the High School Band Camp.
  - C. Second Alarmer's Association and Rescue Squad – SARS Assistant Chief Davidson reviewed the following items in the report:
    - Calls, transports, multiple details and standbys, staffing crisis, fund drive subscriptions, four open full-time staffing positions, delivery of a new ambulance, and EMT classes.
    - Urged residents to contact State Representatives in support of House Bill 1152 to establish a state-wide EMS fee schedule, require insurance companies to pay EMS agencies directly and prevent balance billing of patients. Thanked the Township for sending a letter in support on behalf of SARS.
    - Initiative for the 2026 budget to increase the pay scale to be consistent with area departments.
    - Commissioner Whiting encouraged the public to send donations to support SARS.

Upper Moreland Township  
Committees Meetings  
September 22, 2025 - Meeting Minutes

VIII. **Old Business** – Nothing to report.

IX. **New Business** – Chief Glassman discussed the following:

A. Fire Station Parking Lot:

- Concerns that the parking lot is being used by the neighborhood and SEPTA commuters.
- Requests to install signs that restrict public parking.
- Mr. Kilkenny recommends posting signs initially and then monitor the effectiveness. An ordinance may be required, depending on the outcome.
- The Committee recommends the Board of Commissioners approve at the October 6, 2025 Regular Meeting that signs be installed at the parking lot.

B. State Fire Commissioner Grant:

- Requesting permission to submit an application for the amount of \$20,000 with no match required.
- The new Volunteer Fire Department will also submit an application for the amount of \$20,000 with no match required.
- The Committee recommends the Board of Commissioners approve at the October 6, 2025 Regular Meeting.

X. **Other Items** – Nothing to report.

XI. **Public Comments** – Nothing to report.

XII. **Commissioner Comments:**

- Commissioner Jacobs shared concerns from Ward 6 constituents about vehicles racing along Terwood Road and Davisville Road between midnight and 3 a.m., vehicles with noise modifications, and vehicles drifting throughout neighborhoods, and asked Police Chief Bendig for assistance.
- Police Chief Bendig explained that patrols have been increased, issues are being monitored, and commented that it is a pervasive problem throughout surrounding communities.
- Mr. Stasio recommended residents to call 911 immediately instead of waiting until the next day.

XIII. **Adjournment:** There being no further business for this Committee, the meeting was adjourned at 7:20 p.m.

Respectfully submitted by Kathleen Kristire.

# UPPER MORELAND TOWNSHIP POLICE DEPARTMENT

## Monthly Report



September 2025



## UPPER MORELAND TOWNSHIP

### POLICE DEPARTMENT

#### Monthly Activity Summary September 2025



<b>Total Calls for Service:</b>		2,029
<b>Top 10 Calls for Service:</b>	1. Traffic Stop - Warning:	495
	2. Medical Emergency:	220
	3. Service Call:	146
	4. Traffic Stop - Citation:	141
	5. Suspicious Circumstances:	115
	6. County 911 HangUp:	87
	7. Motor Vehicle Accident Non Reportable:	60
	8. Supplementals/Follow Ups:	52
	9. Unfounded Alarms - Billable:	51
	10. Disturbances:	48
<b>Average Time per Call:</b>		33.64 minutes
<b>Average Response Time:</b>		4.477 minutes
<b>Crime Data:</b>	Total Crimes:	85
	Total Part I Crimes:	27
	Total Part II Crimes:	58
	Total Criminal Arrests:	56
<b>Crash Data:</b>	Total Crashes:	100
	Reportable Crashes:	19
	Non Reportable Crashes:	81
	Injuries:	8
<b>Traffic Enforcement Activities:</b>	Traffic Stops:	707
	Traffic Citations:	296
	Warning Notices:	518
	Bus Patrol Violations:	251
	Parking Violations:	11
	Selective Enforcements:	86
	MCSAP Inspections:	6
	Traffic Complaints Received:	43
<b>Other Police Related</b>	Canine Unit Calls for Service:	4
	SWAT-East Region Calls for Service:	2
	Unhoused Contacts (to include Lobby contacts):	13
	Court Appearances:	71
	Business Checks:	322
	Directed Patrols:	134
	Vacant Home Checks:	3

**Upper Moreland Police  
September 2025 Monthly Report**

The Upper Moreland Police Department responded to 2,029 calls for service in September 2025. The following Part-One Crimes were reported and investigated by the police department in September 2025, including:

- One Rape
- Three Assaults
- One Burglary
- 22 Thefts

The following Part-Two Crimes were reported and investigated by the police department in September 2025, including:

- One Forgery
- Two Receiving Stolen Property
- Four Vandalism
- One Weapons Offense
- One Sex Offense
- Seven Drug Offenses
- Seven DUIs
- One Liquor Law
- Seven Public Drunkenness
- Four Disorderly Conduct
- 12 Frauds
- 11 All Other Crimes Code Violations

**NOTABLE INVESTIGATIONS:**

**STOLEN EXCAVATOR RECOVERY:**

On August 20, 2025, an excavator valued at \$50,000.00 was stolen from a construction site in the Willow Grove section of the township. An investigation into this theft was initiated, including a canvass of the area for surveillance video. The Criminal Investigation Division located video footage from nearby businesses and residences. The recovered surveillance videos were shared with the public via CrimeWatch, resulting in numerous leads submitted for follow-up. On September 1, 2025, with this information and other investigative techniques, The Criminal Investigations Division successfully located and recovered the stolen excavator from a storage lot in Philadelphia. The excavator was returned to the owner. This investigation is ongoing to determine the identity of the individuals involved in the theft.

**Upper Moreland Police  
September 2025 Monthly Report**

**SEXUAL ASSAULT INVESTIGATION:**

In July of 2025, officers were contacted by an adult female who reported that she was a victim of a series of sexual assaults that occurred in the township when she was a juvenile from 2005 to 2008. The offender was an adult at the time he committed the sexual assaults and was known to the victim. The investigation was referred to the Montgomery County District Attorney's Office for review. In August, members of the Criminal Investigations Division initiated an investigation with the assistance of the Montgomery County Detective Bureau. As part of this investigation, a series of interviews were conducted with the involved parties. Other investigative steps were taken, during which the offender admitted his actions to the victim. On September 12, 2025, the offender was arrested and charged with numerous serious criminal charges for this series of sexual offenses involving the juvenile victim.

**BURGLARY:**

On September 11, 2025, officers responded to the 2800 Block of Easton Road for a completed burglary. Officers arrived on location to find that a subject had entered the closed business and taken items from the company. A member of the Criminal Investigations Division was assigned and initiated an investigation. The crime scene was forensically processed, and surveillance video was recovered. Information was shared with surrounding jurisdictions. This burglary was quickly linked to another completed burglary that occurred in Horsham Township, just after the burglary in our township. The subject and a possible involved vehicle were broadcast to law enforcement. Later that morning, the subject and his vehicle were located by the New Jersey State Police. The suspect was arrested in New Jersey and is currently awaiting extradition back to Pennsylvania on charges of burglary and related offenses.

**RECOVERED VEHICLE:**

On September 19, 2025, officers were alerted by a law enforcement database that a vehicle involved in a shooting in Philadelphia was traveling throughout the township. Officers began checking the area and eventually located the vehicle parked at Lowe's on Blair Mill Road. Officers conducted surveillance on the vehicle and made a traffic stop as it was leaving the parking lot. The driver of the vehicle was identified, and the vehicle was seized and secured at the request of the Philadelphia Police Department. The vehicle was turned over to the Northwest Detective Division for forensic processing regarding their shooting investigation.

**MEGAN'S LAW VIOLATION AND SEXUAL ASSAULT:**

On September 22, 2025, officers received a report that a juvenile had been sexually assaulted by a family member in the Willow Grove section of the township. The Criminal

**Upper Moreland Police  
September 2025 Monthly Report**

Investigations Division initiated an investigation. Through this investigation, it was determined that the offender was a registered sex offender who was required to report via Megan's Law. Officers discovered that the offender was residing and working within the township without registering his current address and employment with the Megan's Law Unit. The offender was arrested and charged with this violation. The investigation into the reported sexual assault continued, and the offender was additionally charged with various sexual assault violations regarding his criminal activity involving the juvenile family member.

**PATROL DIVISION:**

The Patrol Division conducted the following proactive measures, to include:

- 772 Vehicle Investigations
- 134 Hazardous Traffic Violations
- 171 Non-Hazardous Traffic Violations
- 11 Parking Citation
- 13 Unhoused/Homeless Contacts
- Seven DUI Arrests

**TRAFFIC SAFETY UNIT:**

The Traffic Unit conducted the following investigations, activities, and studies during September 2025:

- 146 Traffic Stops/Motor Vehicle Investigations
- 89 Citations Issued
- 251 Bus Patrol Violations
- Five Abandoned Vehicle Investigation
- Two Car Seat Inspections/Installations

**CRIMINAL INVESTIGATIONS DIVISION:**

The Detective Bureau opened 34 new investigations in September 2025, to include:

- Seven ChildLine Investigations
- Four Theft Investigations
- Three Assist Other Agencies
- Three Sexual Assault Investigations
- Three Fraud Investigations
- Three Theft Investigations
- Three Warrant/Service/Arrest
- Two Firearm Investigations

**Upper Moreland Police  
September 2025 Monthly Report**

- Two Firearms Investigations
- One Harassment Investigations
- One Sexual Investigation
- One Burglary Investigation

**CANINE UNIT REPORT:**

On September 11, 2025, Officer Snyder and canine Maximus conducted a track after a burglary in the 2800 block of Easton Road, recovering evidence.

On September 26, 2025, Officer Snyder and canine Maximus assisted officers with the arrest of a subject wanted for theft who was hiding in a dumpster.

On September 30, 2025, Officer Snyder and canine Maximus assisted the Upper Dublin Township Police Department in tracking a subject wanted for robbery and firearms violations.

On September 30, 2025, Officer Snyder and canine Maximus assisted Montgomery County SWAT-East Region during a search warrant service.

**COMMENDATIONS:**

On September 1, 2025, a letter was received from Superintendent Michael Beaty of the Tredyffrin Township Police Department, thanking Officer Snyder and canine Maximus for their assistance with an explosives search.

On September 11, 2025, a card was received from resident Barbara Rothermel thanking officers for their service to our community.

On September 21, 2025, a message was received from Thomas Murt thanking Officer Moyer for his handling of a recent call for service.

**COMMUNITY POLICE EVENTS:**

On September 16, 2025, department members visited with the Adults with Disabilities group.

On September 17, 2025, department members participated in an intruder drill at the Middle School.

On September 8, 2025, department members participated in an intruder drill at the High School.

On September 24, 2025, department members attended Lowe's Community Day.

Upper Moreland Police  
September 2025 Monthly Report

**UPCOMING EVENTS:**

October 4, 2025: Representative Guenst Family Fall Fair at Upper Moreland Middle School.

October 10 to October 12, 2025: Faith in Blue Weekend.

October 25, 2025: National Drug Takeback Day at Giant with a "Pack the Police Car" food drive to benefit Willow Grove Baptist's food pantry.

Respectfully Submitted,

  
J. Scott Bendig

Chief of Police

# UPPER MORELAND TOWNSHIP

## FIRE DEPARTMENT

### Monthly Report



### SEPTEMBER 2025

Edward Glassman

Fire Chief

Upper Moreland Fire  
Monthly Report  
September 2025

Fire Calls – 59

EMS QRS calls- 21

Total calls - 80      Yearly total- 863

Fire Permit Inspections Completed- 43 YTD- 258

Fire Permit Inspection – \$ 11,520.00

Yearly Permit Fees Collected- \$ 72,170.00

Turnpike Fees Collected- \$ 2700.00

Yearly Turnpike Fees Collected- \$ 12,475.00

PA Recovery \$ 780.50

Yearly PA Recovery \$ 7482.75

Total Y.T.D. Fees Collected- \$ 92,127.75

Fire Marshal Investigations- 10

Injuries FF -0

Civilian- 0

Total Part time employees- 35

Volunteer FF- 8    Administrative- 4    Recruits-

Upper Moreland Fire

Monthly Report

September 2025

**Incidents:**

**Community Oriented Fire Department Monthly Activities**

5 events 150 people

**Emergency Management:**

***Conducted Tabletop Exercise with County Partners***

Participated in Montgomery County monthly meeting

Participated in Eastern Montgomery County EM meeting

Respectfully Submitted,

*Edward Glassman*

Fire Chief/EMC

Upper Moreland Township

## September 2025 Report to the Upper Moreland Township Board of Commissioners

Emergency Activity Summary		
Response Summary		
	September	Year to Date
Fire Related:	59	680
In-Township:	52	670
Assist Other Depts:	18	140
Assist PA Turnpike:	10	53
EMS Related:	21	142
Total Responses:	80	863
* Ignition Summary		
	September	Year to Date
Structure:	0	19
Non-Structure:	2	43
Causes		
Accidental:	2	62
Intentional:	0	0
Natural:	0	0
Under Investigation:	0	0
* In Service Summary		
	September	Year to Date
Fire:	2	62
Rescue:	3	13
Haz Mat:	2	4
Structural Response Summary		
	September	Year to Date
Average Response Time:	4:12	3:40
Total Responses	80	863

\* Includes Assist to Other Townships

Permit, Inspection, Fee & Public Education Summary		
Permit Summary		
	September	Year to Date
Fire Code:	43	258
Tank Removal:	1	10
Tank Installation:	1	10
Other:	3	13
Inspection Summary		
	September	Year to Date
Inspection Reports:	55	162
Fire Marshal Investigations:	10	125
Fee Summary		
	September	Year to Date
Fees Collected:	\$11,520.00	\$72,170.00
Turnpike:	\$2,700.00	\$12,475.00
PA Recovery:	\$780.50	\$7,482.75
Total:	\$15,000.50	\$92,127.75
2024 - YTD	\$9,822.50	\$84,152.13
Public Education Summary		
	September	Year to Date
Activities Conducted:	5	34
Persons Attending:	Multiple	Multiple
Safety Analysis		
	September	Year to Date
Firefighter Injuries:	0	0
Firefighter Deaths:	0	0
Civilian Injuries:	0	0
Civilian Deaths:	0	0
Accidents Involving Vehicles:	0	0

# Second Alarmers Snapshot



## Upper Moreland Township

October 2025

### Calls for service in Upper Moreland in:

September 2025

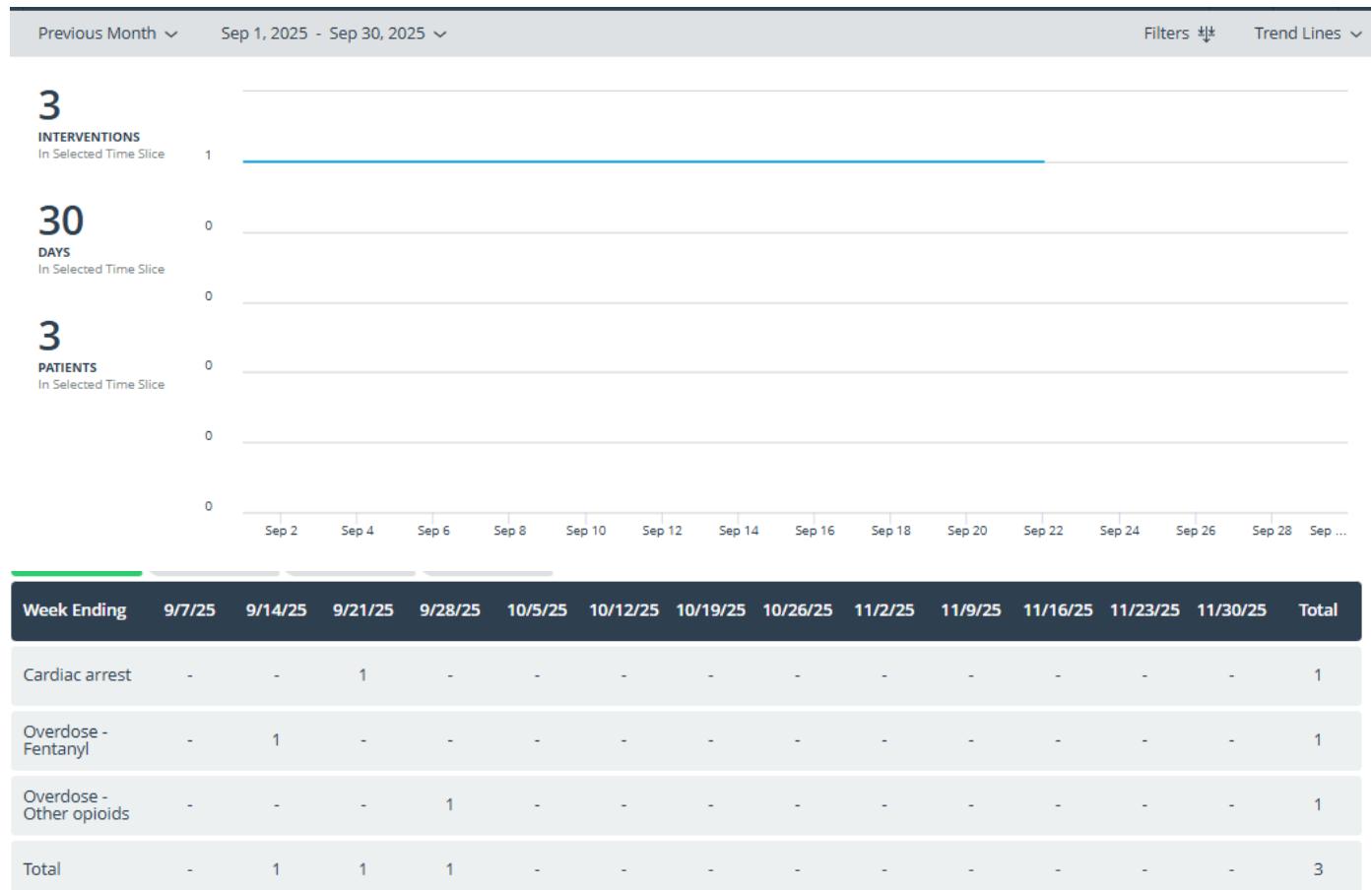


Week Ending	9/7/25	9/14/25	9/21/25	9/28/25	10/5/25	10/12/25	10/19/25	10/26/25	11/2/25	11/9/25	11/16/25	11/23/25	11/30/25	Total
Assist, Public	2	2	3	1	-	-	-	-	-	-	-	-	-	8
Cancelled (No Patient Contact)	11	4	7	10	4	-	-	-	-	-	-	-	-	36
Cancelled (Prior to Arrival at Scene)	2	5	4	4	-	-	-	-	-	-	-	-	-	15
Cancelled on Scene/No Patient Found	1	-	3	1	-	-	-	-	-	-	-	-	-	5
Patient Evaluated, No Treatment/Treatment Required	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Patient Refused Evaluation/Care (Without Transport)	5	3	2	2	2	-	-	-	-	-	-	-	-	14
Patient Treated, Released (AMA)	1	1	2	1	-	-	-	-	-	-	-	-	-	5
Patient Treated, Transferred Care to Another EMS Professional/...	1	-	2	-	-	-	-	-	-	-	-	-	-	3
Transported Lights/Siren	38	43	40	37	12	-	-	-	-	-	-	-	-	170
Transported No Lights/Siren	-	2	3	4	1	-	-	-	-	-	-	-	-	10
NULL	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Total	62	60	66	61	19	-	-	-	-	-	-	-	-	268

## September detail staffing

Date	BLS/ALS	Detail
Multiple	BLS & ALS	Abington & Upper Moreland Football (Career)
9-14	ALS	Rockledge Car Show (Career & Volunteer)
9-15	N/A	Willow Grove Golf Outing (Career)
9-20	ALS	PSU Race (Career & Volunteer)
9-24	ALS	Lowes Demo Event (On Duty Crew)
9-27	ALS	Whitpain Festival (Career & Volunteer)

## September 2025 Naloxone Administration Report- Upper Moreland



## July Staffing Report:

### ALS Full Staffing September 3240 hours

September 2025

September 2024

ALS Actual Staffing = 2840 hours	Downgrade to BLS staffing = 235 hours
Downgrade to no status = 165 hours	

ALS Actual Staffing = 3047 hours	Downgrade to BLS staffing = 130 hours
Downgrade to no status = 63 hours	

### Notable news:

- SARS plans to take delivery of our next new ambulance sometime in late October.
- SARS most recent EMT students have graduated. Our next class starts January 27<sup>th</sup> 206
- SARS continues to ask that as many area residents as possible contact their state representative and urge them to support House Bill 1152 which provides for patient protection, direct payment to EMS, and a state regulated fee schedule for 911 EMS response

### SARS 2025 Pay Scale:

2025 Field Provider Pay Scale

Certification	0-24 Months	25-60 Months	61-120 Months	121-180 Months	181-240 Months	240 +Months
EMT/AEMT	22.43	23.54	25.79	28.03	30.28	33.63
Paramedic/PHRN/PHP	25.79	28.03	30.28	35.88	39.25	42.61

2025 Platoon Supervisor Pay Scale (hourly equivalent for salaried officers)

Certification	0-24 Months	25-60 Months	61-120 Months	121-180 Months	181-240 Months	240 +Months
EMT/AEMT	27.43	28.54	30.79	33.03	35.28	38.63
Paramedic/PHRN/PHP	30.79	33.03	35.28	40.88	44.25	47.61

# TOWNSHIP OF UPPER MORELAND

*Montgomery County, Pennsylvania*

117 Park Avenue, Willow Grove, PA 19090-3215  
Telephone (215) 659-3100 / Fax (215) 659-7363

## COMMISSIONERS

KIP McFATRIDGE  
*President*  
CHERYL LOCKARD  
*Vice President*  
JARED JACOBS  
DEMOND MULLEN  
BENJAMIN W. OLSZEWSKI  
NICHOLAS O. SCULL  
CHARLES M. WHITING



## OFFICIALS

PATRICK T. STASIO  
*Township Manager*  
JOHN D. BATES  
*Assistant Township Manager/Director of Finance*  
ALEX H. LEVY  
*Township Treasurer*  
SEAN P. KILKENNY, ESQ.  
*Township Solicitor*

## Agenda Summary

### Public Health and Safety Committee Meeting – October 20, 2025

#### Agenda Item:

#### PennDOT 2026 Repaving on Terwood Road - Potential Bicycle Lanes and/or Sharrows

#### Prepared By:

Patrick Stasio, Township Manager

#### Attachments:

#### Informational Sheets

#### Background/Analysis:

PennDOT is scheduled to repave Terwood Road between Welsh Road and York Road (date of repaving TDB). Based on the county and township's review, there is an opportunity for PennDOT to install on-road bicycle lanes and/or sharrows as part of the repaving. The roadway width meets the minimum requirement to add a five-foot bike lanes in both directions, with 10-foot road lanes, and a 10-foot center turn lane.

The county's bicycle plan, Bike Montco, includes Terwood Road between York Road and Davisville Road as a bike route. Additionally, the Upper Moreland 2040 Comprehensive Plan calls for a bike route along Terwood Road. Because of this, and based on early feedback from PennDOT about the type of bicycle infrastructure they are willing to consider for this repaving cycle, it is believed bicycle lanes could be installed between York Road and Davisville Road.

If desired, a letter from the Township would be sent to PennDOT and Montgomery County supporting the proposal.

#### Fiscal Impact/Source:

PennDOT will pay for all initial improvements to the roadway, lane striping, and bike indicator painting. The township would be responsible for on-going bike lane maintenance and painting, projected to be minimal costs annually.

#### Alternatives:

Continue the roadway as is after new paving.

#### Recommend Action:

Recommend the Committee move forward for full Board of Commissioner consideration at the November 10, 2025 Regular Meeting.

Equal Opportunity Employer

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# BIKE-FRIENDLY RESURFACING PROGRAM: MAINTENANCE COST FAQS

## What is the municipality responsible for maintaining?

- Before any facilities are installed by PennDOT, the municipality must agree to maintain bicycle pavement markings (paint) between resurfacings, *if such maintenance proves to be necessary*.
- Depending on the amount of traffic and the type of bicycle pavement markings, **it may not be necessary to repaint the pavement markings between PennDOT resurfacings**.
- The municipality must also maintain any bicycle-related signs. When designing projects, PennDOT attempts to minimize the number of signs while complying with MUTCD standards. However, if signs are damaged or knocked over, repairs would be the municipality's responsibility.

## What does PennDOT maintain?

PennDOT is responsible for maintaining any edge lines. This would include the "buffer" of a "buffered bike lane" or the outside edge line of any conventional bike lane. PennDOT will remove snow from in-street bike lanes and/or shared roadways (unless the municipality enters into a winter maintenance agreement with PennDOT), and perform other routine roadway maintenance such as vegetation trimming, in accordance with normal maintenance operations.

## How much will it cost our municipality to maintain bicycle markings between PennDOT resurfacing projects?

This is an important question, but the answer is complex, as maintenance costs depend on a variety of key factors. This document walks through the considerations for each factor to help you determine potential costs.

Over time, as more Bike-Friendly Resurfacing Projects require maintenance, DVRPC will collect information about frequency and cost of maintenance and will update this document to include examples.

While the PennDOT Connects Bike-Friendly Resurfacing program is only for PennDOT owned roadways, the information provided could also be applicable to maintaining facilities on other roads.

### *Bicycle Facility Type, Length, and spacing between markings:*

- The primary treatments for this program include Bicycle Lanes, Buffered Bicycle Lanes, and Sharrows.
  - ▶ If the pavement markings include sharrows in the travel lane, it is more likely that they will need to be repainted between resurfacings since vehicles drive over them more frequently.

### DVRPC Contacts:

Sarah Moran: [smoran@dvrpc.org](mailto:smoran@dvrpc.org)  
Jesse Buerk: [jbuerk@dvrpc.org](mailto:jbuerk@dvrpc.org)

*The Delaware Valley Regional Planning Commission (DVRPC) fully complies with Title VI of the Civil Rights Act of 1964 and related nondiscrimination statutes in all activities. For more information, visit [www.dvrpc.org/GetInvolved/TitleVI](http://www.dvrpc.org/GetInvolved/TitleVI).*

## Relative comparison of marking materials based on cost, lifespan, and retroreflectivity.

Material	Relative Cost \$=Low \$\$\$\$=High	Lifespan (months)	Retroreflectivity ○=Low ○○○=High
Paint	\$	3– 24	●
Epoxy Paint	\$\$	24–48	●●
Thermoplastic (sprayed)	\$\$\$	48–72*	●●
Preformed Tape	\$\$\$\$	36–96*	●●●

Note: Estimates based on 2014 comparative costs.

\*Thermoplastics and tape have shortened lifespans in snowy areas where they are often damaged by snowplows.

Source: FHWA, March 2016

■ PennDOT follows the Manual on Uniform Traffic Control Devices (MUTCD) guidance, which specifies that, for bicycle lanes, one bicycle marking be placed immediately after each intersection, then at periodic intervals based on engineering judgement.

■ For sharrows, the MUTCD specifies that markings be placed after each intersection, then approximately every 250 feet between intersections.

■ To develop your estimated maintenance cost, consider the specific bicycle facility treatment, then estimate the number of bicycle markings by:

- ▶ Determining the number of intersections along the proposed facility;
- ▶ Dividing the length between intersections (in feet) by 250, if applicable. Add to the number of intersections.
- ▶ If the bicycle markings are on both sides, multiply by two.

### Materials:

- PennDOT uses thermoplastic for the initial bicycle markings, but it is not required to be used for maintenance.
- As shown in the table above waterborne and epoxy paint markings cost less than thermoplastic, but tend to show wear more easily and will typically require more frequent maintenance.
- It may be necessary to sandblast pavement to remove existing materials before reapplying epoxy or thermoplastic markings.
- Choices about the marking material can be impacted by the number of pavements markings you need to maintain.

### Pavement Type:

- Markings generally last longer on asphalt than concrete, especially when the surface has been recently repaved.

### Traffic Volumes:

- In general, the higher the traffic volume, the more likely it is that the bicycle pavement markings will need to be repainted at least once before the next full repaving project.

### Weather:

- If a location is prone to flooding, it is more likely to need maintenance between PennDOT resurfacings.
- Winters with heavy snowfall, requiring frequent plowing or the use of abrasives such as sand and salt, tend to cause more wear on pavement markings, increasing the likelihood that maintenance will be required.
- Extreme heat during summer months can also impact the longevity of pavement markings.

### Equipment:

- MUTCD compliant bicycle marking stencils are available for purchase online for under \$500. For municipalities with numerous in-road bicycle facilities, it may be cost effective to purchase a set.
- DVRPC has a set of stencils for use in our Experimental Pop-ups program and can make them available to borrow for maintenance purposes. **Please contact DVRPC if you are interested in borrowing stencils.**

### Staff:

- Considerations for determining staff time include: length of facility, preparations needed, availability of equipment, experience level, and whether or not maintenance will require traffic controllers.



# BIKE-FRIENDLY RESURFACING PROGRAM: MUNICIPAL FAQS

## What is the Bike Friendly Resurfacing Program?

The Bike Friendly Resurfacing Program is a new effort to identify **roads for potential investment in bike friendly improvements as part of regularly scheduled PennDOT resurfacing projects.**

This effort is being coordinated between the Delaware Valley Regional Planning Commission (DVRPC), PennDOT District 6, the four suburban counties in the Philadelphia region (Bucks, Chester, Delaware, and Montgomery counties), and the Bicycle Coalition of Greater Philadelphia with the goal of identifying roads that are good candidates for bicycle facilities.

## Where can I learn more about bicycle facilities?

More information can be found at [www.pedbikeinfo.org](http://www.pedbikeinfo.org)



## How was my road identified?

Roads listed in PennDOT District 6's 5-year Resurfacing plan are screened as follows:

- If a municipality is aware of an upcoming resurfacing project and is interested in new bicycle facilities, they can reach out to county planning or DVRPC staff at any time.
- County planning staff identify opportunities in **local and county bicycle plans**;
- DVRPC evaluates **local and regional connectivity opportunities** identified in the regional Bicycle Level of Traffic Stress (LTS) and Connectivity analysis;
  - ◆ For more on Bicycle LTS, see: [www.dvRPC.org/webmaps/bikestress](http://www.dvRPC.org/webmaps/bikestress)
- The Bicycle Coalition of Greater Philadelphia provides **input from members of the public** regarding specific locations for improvement;
- PennDOT and DVRPC collaborate to **evaluate which opportunities would be feasible** to implement in the context of a resurfacing project;
- DVRPC and County staff reach out to municipalities with feasible opportunities to discuss implementation.

## What is the municipality's responsibility?

- If the municipality is interested in bicycle facility improvements, they must agree to maintain any bicycle pavement markings between resurfacings (if such maintenance proves to be necessary). The municipality must also agree to maintain any bicycle-related signing, installed by PennDOT, associated with the improvements.
- **The region has set aside funding to design these improvements, so the new roadway design will not cost the municipality anything.**
- PennDOT will cover installation of these facilities when the street is resurfaced as part of its maintenance project.
- PennDOT will remove snow from in-street bike lanes and/or shared roadways (unless the municipality enters into a winter maintenance agreement with PennDOT), and perform other routine roadway maintenance such as vegetation trimming, in accordance with normal maintenance operations.
- Once installed, the municipality is responsible for the removal of litter and debris from the bike lane or shared roadway.

## How much will it cost to maintain bicycle pavement markings?

Maintenance costs depend on a variety of factors, such as the bicycle facility type, its length, spacing between bicycle pavement markings (typically 250-500 feet),



pavement type, traffic volumes, weather, and the materials used for the bicycle pavement markings.

PennDOT uses thermoplastic for the initial bicycle markings. Waterborne paint markings cost less than thermoplastic, but tend to show wear more easily and will typically require more frequent maintenance. The cost of re-applying a bike symbol is dependent on the material used and availability of equipment and staff. A single pavement marking typically ranges between \$250 and \$500.

## What do I need to do next?

If the municipality is interested in the proposed improvements, and agrees to any associated maintenance, PennDOT requires that you submit a formal bicycle facility request letter. **This letter can be obtained from the County planning department or by emailing the DVRPC contacts listed at the bottom of this sheet.** The signee is at your discretion. Repaving projects move quickly, so please contact DVRPC for more information. If the municipality has developed local bicycle plans, it is also recommended to share those with County planning staff and DVRPC to help inform future opportunities.

## What is PennDOT Connects?

PennDOT Connects is a **new approach to project planning and development** focused on engaging with local partners earlier in the process.

PennDOT Connects aims to transform capital and maintenance project development by **ensuring that community collaboration happens early, and that each project is considered in a holistic way for opportunities to improve safety, mobility, access, and environmental outcomes for all modes and local contexts.** Earlier collaboration will ensure that projects meet current and projected needs as much as possible, and can reduce costly changes further in the project development process.

### Learn More:

[www.penndot.gov/ProjectAndPrograms/Planning/Pages/PennDOT-Connects.aspx](http://www.penndot.gov/ProjectAndPrograms/Planning/Pages/PennDOT-Connects.aspx)

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*The Delaware Valley Regional Planning Commission (DVRPC) fully complies with Title VI of the Civil Rights Act of 1964 and related nondiscrimination statutes in all activities. For more information, visit [www.dvrpc.org/GetInvolved/TitleVI](http://www.dvrpc.org/GetInvolved/TitleVI).*