

UPPER ALLEN TOWNSHIP

ROADWAY MANAGEMENT PLAN

FINAL

August 24, 2023

ENGINEER'S PROJECT NO. 3566.4.02.00



Prepared For:

UPPER ALLEN TOWNSHIP
100 GETTYSBURG PIKE
MECHANICSBURG, PA 17055



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ENGINEERING A BETTER COMMUNITY

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Narrative

INTRODUCTION

To quantify the quality of Upper Allen Township's Roadway Network System, a data collection survey was performed throughout the Township by C.S. Davidson, Inc. (CSD) in conjunction with the Township Public Works Director in 2014. The survey included the collection of overall roadway surface conditions, drainage conditions, and estimated traffic volumes for each Township owned route. A CSD-developed software program, CSDatum Roadways, is used to record the field data and to develop and manage the roadway plan. As of 2023, the Roadway Management Program is in its 9th year. The roadway network is routinely monitored to update the assessment of existing conditions and to assign an applicable treatment method. Unit pricing estimates for all roadway treatment methods have been adjusted to correspond with recent municipal bid results. The newest plan is accessible online, providing annual updates, and modifications that support the execution of the plan in a cyclical manner. The plan can be used when developing annual budgets, shared with utility companies to inform them about upcoming projects, and issued to the public. Hence, Township Residents know about planned improvements in their area. This Report is the most recent update to the maintenance plan, ensuring that the Township's roadway network remains in good condition and meets the community's needs.

PAVEMENT MANAGEMENT PHILOSOPHY

In the past, many municipalities commonly followed a "worst first" strategy for managing roadways. However, it is now widely recognized that this approach is not viable or sustainable for the roadway network. Instead, the pavement management philosophy emphasizes preservation and maintenance procedures rather than prioritizing the worst roads first. The cost benefits of a sound pavement preservation program can be seen in Figure 1 below. Spending one dollar on preservation treatments can eliminate or delay the need to spend up to ten times as much on rehabilitation or reconstruction costs. We continued to emphasize the importance of asset management by preserving roadways in good to excellent condition while planning for more extensive reconstruction techniques later in the planning cycle.

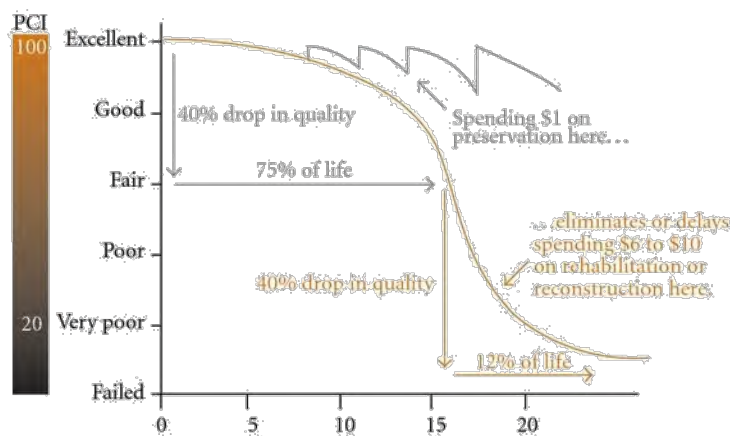


Figure 1 – Pavement Distress Curve (FHWA)

APPROACH

CSD and Township Staff performed the initial roadway inventory data collection in the Spring/Summer of 2014, with numerous field updates completed since then. Five typical pavement distresses were rated during the data collection, including fatigue (alligator) cracking, longitudinal cracking, transverse cracking, rutting, and patching. An overall roadway condition rating was assigned to each route utilizing the individual distress ratings and an assessment of the roadway drainage condition and traffic volume information. This information is the basis for assigning recommended treatment methods for each roadway. An annual project list was initially developed based on available funding of approximately one million dollars annually. The 2023 plan update uses \$1.35 million for the annual construction budget.

RESULTS

The Township has made considerable progress in improving the roadway network since 2014. A 2023 road conditions summary map is included at the end of this report. Eighty percent of the Township's roadway network is in good to excellent condition. The updated plan begins to incorporate roads for a second treatment in 2030, while we anticipate a few outliers receiving their first treatments through 2034.

RECOMMENDATIONS

The current funding proposal is \$1.35 million per year. As the Township approaches the later years of the Management Plan, the Township will begin to experience the projected long-term savings by reducing the annual expenditure required to repair roadways by focusing more on preservation techniques for roads that initially required reconstruction. The Township has made excellent progress with the early portion of the Roadway Management Plan. We recommend that the Township continue to implement the plan and work to establish an excellent rating for all the roadways in the Township. The Township should continue to update the plan to reflect work completed to date and adjust the future planning portion of the program on an annual basis.

Reconstruction Roadway Treatments

RECONSTRUCTION ROADWAY TREATMENTS

BITUMINOUS PAVEMENT OVERLAY

Pros:

1. Cost-effective compared to other Reconstruction Treatments.
2. Renews the service life of the final bituminous pavement wearing surface.
3. Provides a new, smooth surface for improved ride quality.
4. Helps to seal and protect the underlying base pavement structure and increases the overall pavement section thickness.

Cons:

1. Limited effectiveness for severe pavement distress.
2. Susceptible to reflective cracking when the existing pavement surface is in poor condition.
3. Requires surface utility feature adjustment to accommodate material thickness.
4. Does not address structural issues beneath the existing pavement.

Photos:



BITUMINOUS PAVEMENT OVERLAY (cont.)



MILLING & BITUMINOUS PAVEMENT OVERLAY

Pros:

1. Cost-effective compared to other Reconstruction Treatments.
2. Removes the existing deteriorated pavement surface beyond its service life.
3. Renews the service life of the final pavement surface.
4. Reprofiles the roadway to improve surface drainage characteristics.
5. Provides a new, uniform surface for improved skid resistance.

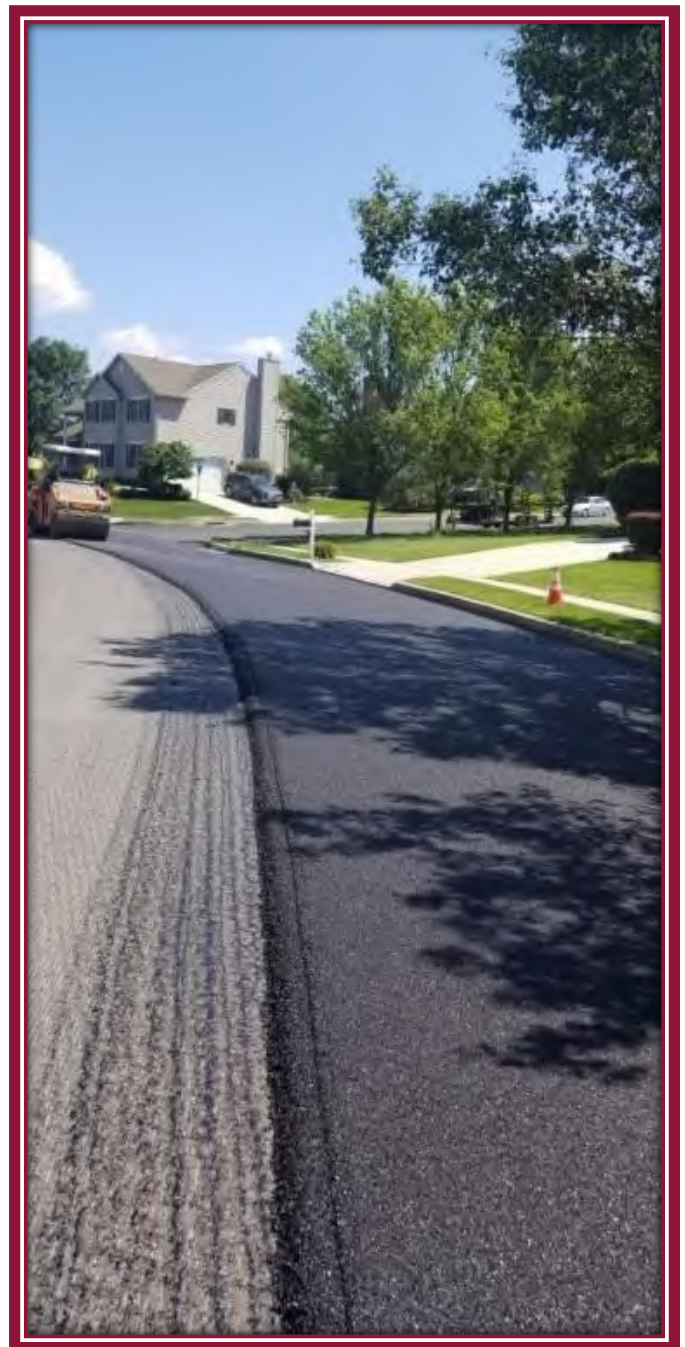
Cons:

1. Limited effectiveness for severe pavement distress.
2. Requires complete removal of the existing pavement-wearing surface.
3. This is usually a three-stage process that causes more disruption during construction.
4. Does not address structural issues beneath the existing base pavement layer.

Photos:



MILLING & BITUMINOUS PAVEMENT OVERLAY (cont.)



COLD IN-PLACE RECYCLING (CIPR)

Pros:

1. Environmentally friendly as it recycles existing materials with an emulsion additive.
2. Cost-effective compared to full-depth reconstruction.
3. Restores the sub-structure of the pavement roadway section.
4. Reprofiles the base pavement layer to improve roadway drainage characteristics.

Cons:

1. May not be suitable for roads with significant subgrade/subbase.
2. Requires specific suitable existing subbase and pavement section for effective recycling.
3. Requires a 3-4 week curing period.
4. Requires a final bituminous wearing course application once the CIPR has cured.
5. Requires driveway tie-ins and shoulder backup due to increased pavement depth.

Photos:



COLD IN-PLACE RECYCLING (CIPR) (cont.)



FULL-DEPTH RECLAMATION

Pros:

1. Addresses underlying structural deficiencies.
2. Reclaims existing stone and pavement with a cement or calcium chloride additive to increase the compressive strength of the road structure. Recommended for roads with less stable subgrade.
3. Economical substitute to complete reconstruction of a deteriorated road.
4. Improved load-bearing capacity for roads leading to industrial or heavy truck traffic areas.

Cons:

1. Higher construction costs compared to other reconstruction treatments.
2. Requires more time for construction and curing.
3. The multi-staged process requires temporary road closure and limited access during construction.
4. Requires specialized equipment and expertise.
5. Requires the application of a bituminous pavement base course and wearing course.
6. Increased pavement depth requires adjustment to driveway tie-ins and shoulder backup.

Photos:



FULL-DEPTH RECLAMATION (cont.)



Preservation Roadway Treatments

PRESERVATION ROADWAY TREATMENTS

HIGH-PERFORMANCE CHIP SEAL & FOG SEAL

Pros:

1. Increases skid resistance.
2. Stops oxidation of asphalt binder materials beneath chip seal.
3. Cures quickly for traffic return.
4. Loose aggregate is minimal due to use of single sized aggregate and surface can be swept within 24 hours of placement.
5. More resistant than Microsurfacing to reflective cracking due to its flexible properties.
6. Uniform black appearance when fog seal is applied. Helps to enhance line striping and improve ice melt.
7. Considered a maintenance item so prevailing wages are not applicable.
8. Provides appearance of a paved surface.

Cons:

1. Cannot be used to fill ruts or change roadway profile.
2. Loose aggregate present until swept and fog seal is applied.
3. Not eligible for PADOT liquid fuels expenditure. The fog seal can be paid with liquid fuels but the specification for the PennDOT approved material is severely inferior to the proprietary grip tight fog seal.

Photos:



HIGH-PERFORMANCE CHIP SEAL & FOG SEAL (cont.)



HIGH-PERFORMANCE CHIP SEAL & FOG SEAL (cont.)



*Single Chip Seal Aggregate
(irregular size & elongated aggregate)*



*Single Size Cubical Aggregate utilized
in High Performance Chip Seal*



Close up of surface prior to Grip Tight Fog Seal



Close up of surface after Grip Tight Fog Seal

MICROSURFACE

Pros:

1. Increases skid resistance.
2. Rigid properties provide durable wearing surface.
3. Stops oxidation of asphalt binder materials beneath.
4. Can be used to fill ruts. Cures quickly for traffic return.
5. Eligible for PADOT liquid fuels expenditure.
6. Considered a maintenance item so prevailing wages are not applicable.

Cons:

1. Cement based material that is brittle and susceptible to reflective cracking immediately.
2. Appearance can be wavy or non-uniform but improves with time and traffic exposure.
3. The surface is prone to delamination over time.

Photos:



MICROSURFACE (cont.)



CAPE SEAL

A Cape Seal is the combination of two processes. A Chip Seal (high performance) followed by the application of a Type II Slurry Seal.

Pros:

1. More resistant to reflective cracks than a Microsurface.
2. Increased skid resistance.
3. Will not delaminate.
4. Provides flexibility and sealing qualities of a chip seal with a smooth surface of a slurry seal.
5. Stops oxidation of asphalt binder materials beneath.
6. Eligible for PADOT liquid fuels expenditure.
7. Considered a maintenance item so prevailing wages are not applicable.

Cons:

1. Appearance can be wavy or non-uniform but improves with time and traffic exposure.

Photos:



CAPE SEAL (Cont.)



ULTRA THIN BONDED WEARING COURSE

Pros:

1. Increases skid resistance.
2. Stops oxidation of asphalt binder materials beneath.
3. Cures quickly for traffic return.
4. Thin overlay reduces need for milling.
5. Can eliminate minor profile imperfections and improve roadway crown/cross section.
6. Has appearance of an asphalt overlay.
7. Eligible for PADOT liquid fuels expenditure.
8. Considered maintenance item so prevailing wages are not applicable.
9. Highly polymerized asphalt emulsion tack coat applied prior to Hot Mix Asphalt paving material.
10. 100% virgin asphalt mixture will hold color and oxidize at a slower rate than a Superpave material.

Cons:

1. Most expensive preservation treatment option. Savings due to elimination of milling existing road.
2. May require adjustment of stormwater infrastructure and manholes.

Photos:



ULTRA THIN BONDED WEARING COURSE (cont.)



DOUBLE APPLICATION CHIP SEAL & FOG SEAL

Pros:

1. Doubles the protection from oxidation and deterioration from moisture.
2. Can be successfully used on moderate to severely deteriorated and cracked roads.
3. Extremely durable and flexible surface which reduces and significantly delays cracking.
4. Improves skid resistance and winter traction due to the textured surface.

Cons:

1. May cause temporary loose stones during the initial curing process.
2. Requires two lifts to complete application.

Photos:



DOUBLE APPLICATION CHIP SEAL & FOG SEAL (cont.)



FIBER REINFORCED SEAL COAT

Pros:

1. Provides excellent crack sealing and preservation of water ingress.
2. Enhances the structural integrity of the pavement.
3. Increases resistance to reflective cracking.
4. Improves skid resistance.

Cons:

1. May not be suitable for heavily trafficked roads.
2. Relies on specific existing pavement to ensure proper bonding.
3. Higher initial costs compared to traditional seal coat treatment.

Photos:



FIBER REINFORCED SEAL COAT (cont.)



Existing Township Roadway Inventory and Treatment Options

EXISTING TOWNSHIP ROADWAY INVENTORY AND TREATMENT OPTIONS

EXISTING TOWNSHIP ROADWAY INVENTORY

Upper Allen Township Roadway Inventory Summary Total Township Road Network	
<u><i>Length (Miles)</i></u>	<u><i>Area (S.Y.)</i></u>
84.20	1,462,673
<i>80.93 Miles are Liquid Fuels Eligible</i>	<i>30' Average Road Width</i>

Table 1

Annual Upper Allen Roadway Budget	
Liquid Fuels Income (2023)	\$550,000
General Fund	\$800,000
Total	\$1,350,000

Table 2

TREATMENT OPTIONS

From 2014 to 2023, C.S. Davidson used a variety of road treatments in Upper Allen Township, which can be categorized as either reconstruction treatments or preservation treatments. Table 3 below compares treatment options included in the plan, such as their respective costs and expected treatment life.

	<i>Treatment Options Included in Plan</i>	<i>Cost/SY</i>	<i>Expected Treatment Life in Years</i>	<i>Cost to Treat 1 Mile of Roadway* 30' Wide Road</i>	<i>Annual Life Cycle Cost*</i>	<i>Maximum Potential Miles Treated per Year</i>
Preservation	High-Performance Chip Seal	\$4.00	8-10	\$70,400	\$7,822.22	19.18
	Double Application Chip Seal	\$4.25	6-10	\$74,800	\$9,350.00	18.05
	Microsurface (Double Application)	\$5.00	4-6	\$88,000	\$17,600.00	15.34
	Fiber Reinforced Seal Coat	\$6.00	8-10	\$105,600	\$11,733.33	12.78
	Ultra-Thin Bonded Wearing Course	\$10.00	10-15	\$176,000	\$14,080.00	7.67
Reconstruction	Overlay	\$9.50	10-15	\$167,200	\$13,376.00	8.07
	Mill, Scratch, & Overlay	\$16.00	10-15	\$281,600	\$17,760.00	4.79
	Cold In-Place Recycling (w/ Emulsion, Scratch, & Overlay)	\$31.25	15	\$550,000	\$36,666.67	2.45
	Full Depth Reclamation (w/ Portland Cement, Binder, & Overlay)	\$42.25	15	\$743,600	\$49,573.33	1.82
	Total Reconstruction (w/ Stone, Base, Scratch, & Overlay)	\$65.75	15	\$1,157,200	\$77,146.67	1.17
<i>*Does not include any ancillary or non-roadway repair items</i>						

Table 3

Annual Completed Roadway Improvement Summary

ANNUAL COMPLETED ROADWAY IMPROVEMENT SUMMARY

ANNUAL COMPLETED ROADWAY IMPROVEMENTS SUMMARY

Table 4 below shows the total cost and length of completed roadway improvements from 2014 to 2023.

Year	Cost*	Length
2014	\$530,552.90	0.87 miles
2015	\$1,677,032.37	11.25 miles
2016	\$971,358.24	4.65 miles
2017	\$890,278.25	7.68 miles
2018	\$886,150.81	5.23 miles
2019	\$1,036,262.23	3.03 miles
2020	\$866,261.84	2.72 miles
2021	\$933,036.53	4.57 miles
2022	\$2,318,514.451**	3.82 miles**
2023	\$1,500,941.54	6.75 miles
Average	\$1,161,038.91	5.06 miles
Total	\$11,610,389.15	50.57 miles

*Does not include ancillary or non-roadway repair items

**\$718,412.44 and 1.74 miles of Hertzler Road was included in 2022, although it was privately funded

Table 4

Completed Township Roadway Reconstruction and Preservation Treatment Summary

COMPLETED TOWNSHIP ROADWAY RECONSTRUCTION AND PRESERVATION TREATMENT SUMMARY

RECONSTRUCTION AND PRESERVATION TREATMENT SUMMARY

Figure 2 below shows the total yearly expense for reconstruction and preservation treatments. The Township invested \$8,706,388.23 in reconstruction roadway improvements and \$2,780,307.27 in preservation roadway improvements since 2014.

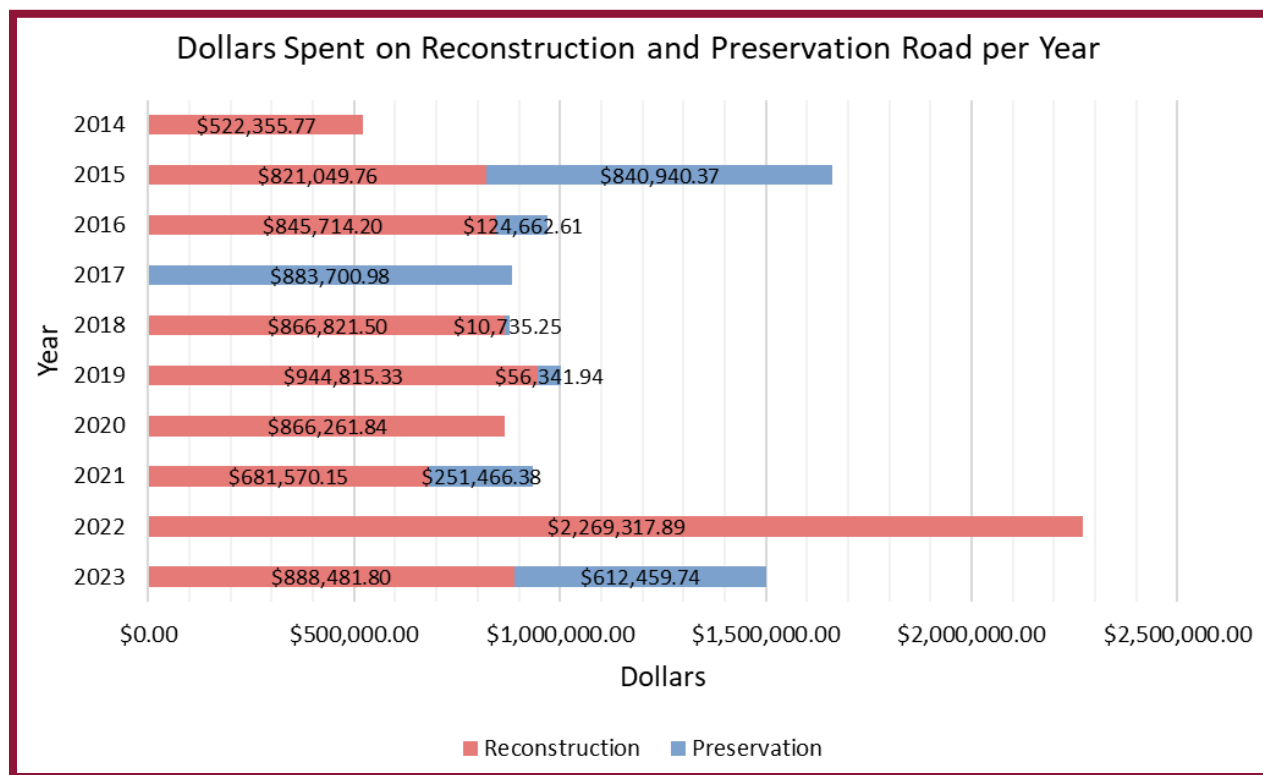


Figure 2

Figure 3 below shows the total miles of reconstruction and preservation treatments completed yearly. The Township reconstructed 24.77 miles of roadway and placed preservation treatments on 25.80 miles of roadways since 2014.

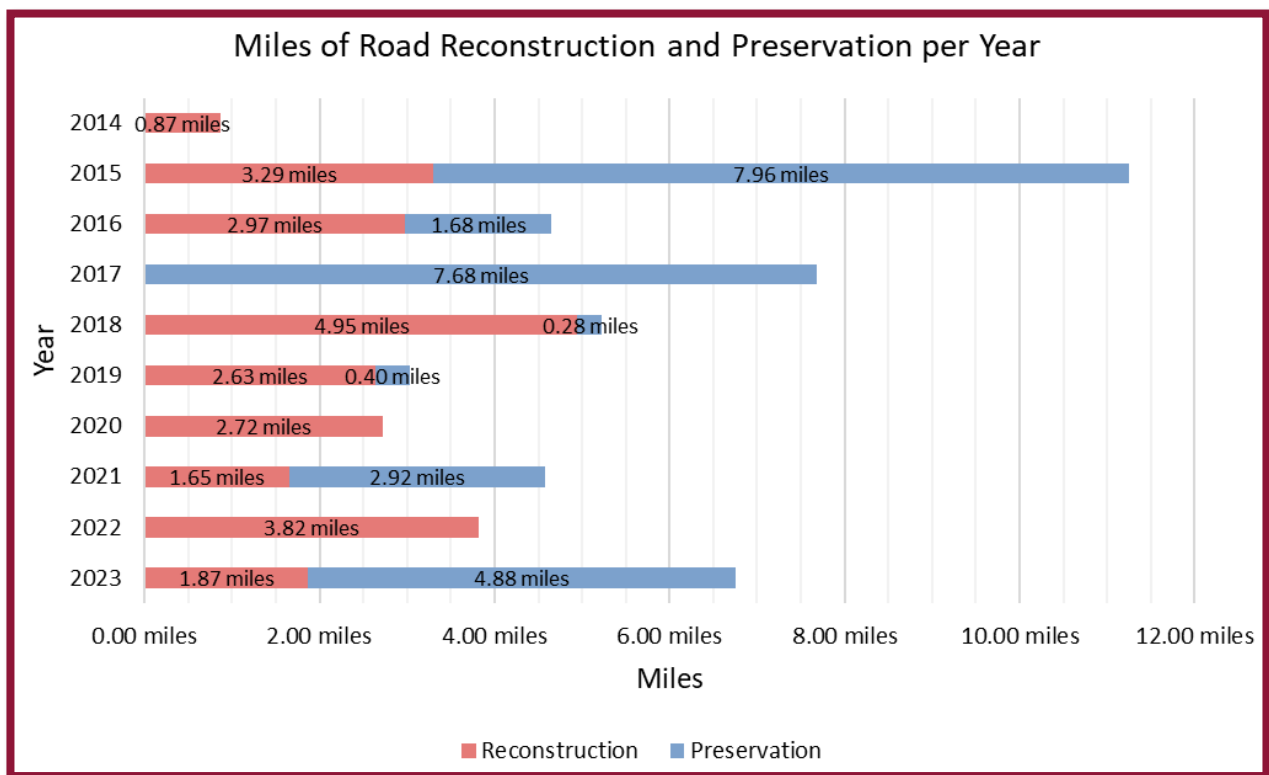


Figure 3

Figure 4 below shows the 24.77 miles of reconstruction treatments that have been completed from 2014 to 2023.

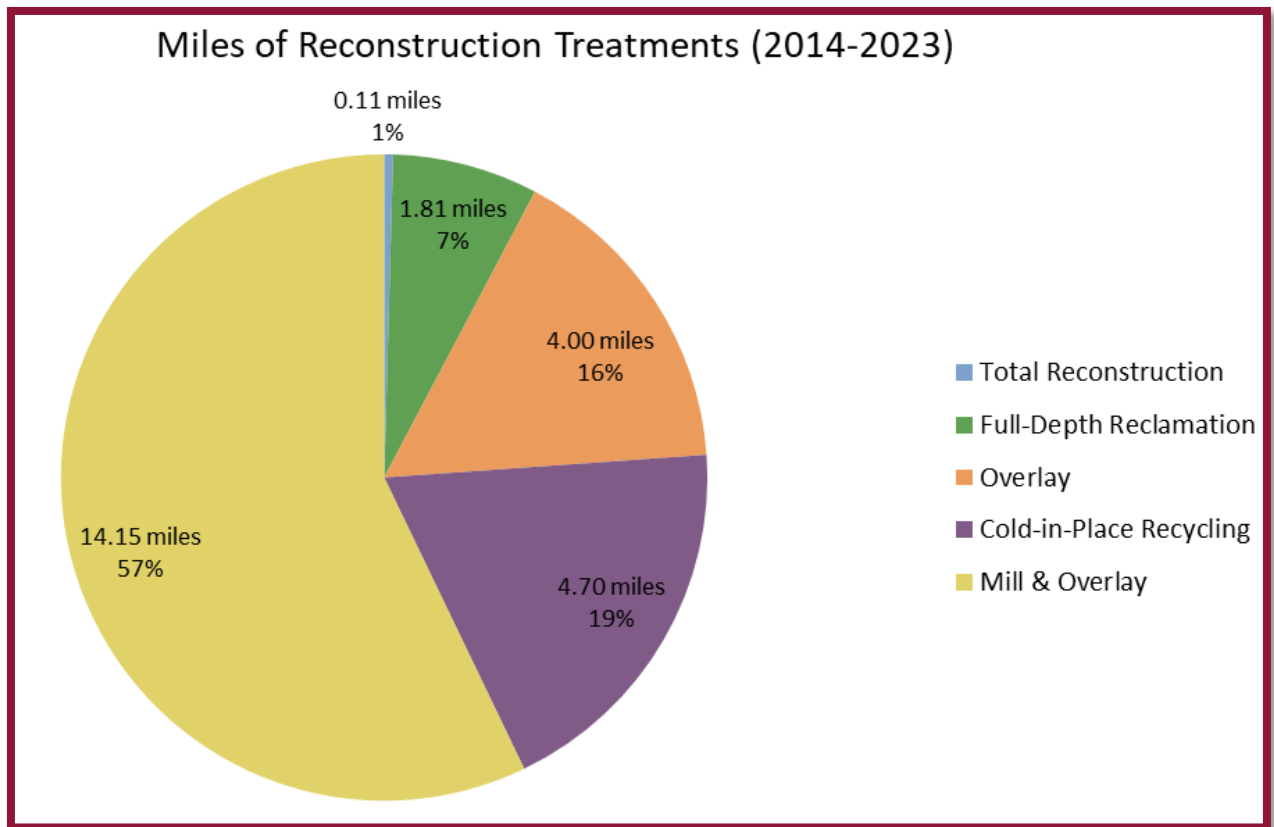


Figure 4

Figure 5 below shows the 25.80 miles of preservation treatments that have been completed from 2014 to 2023.

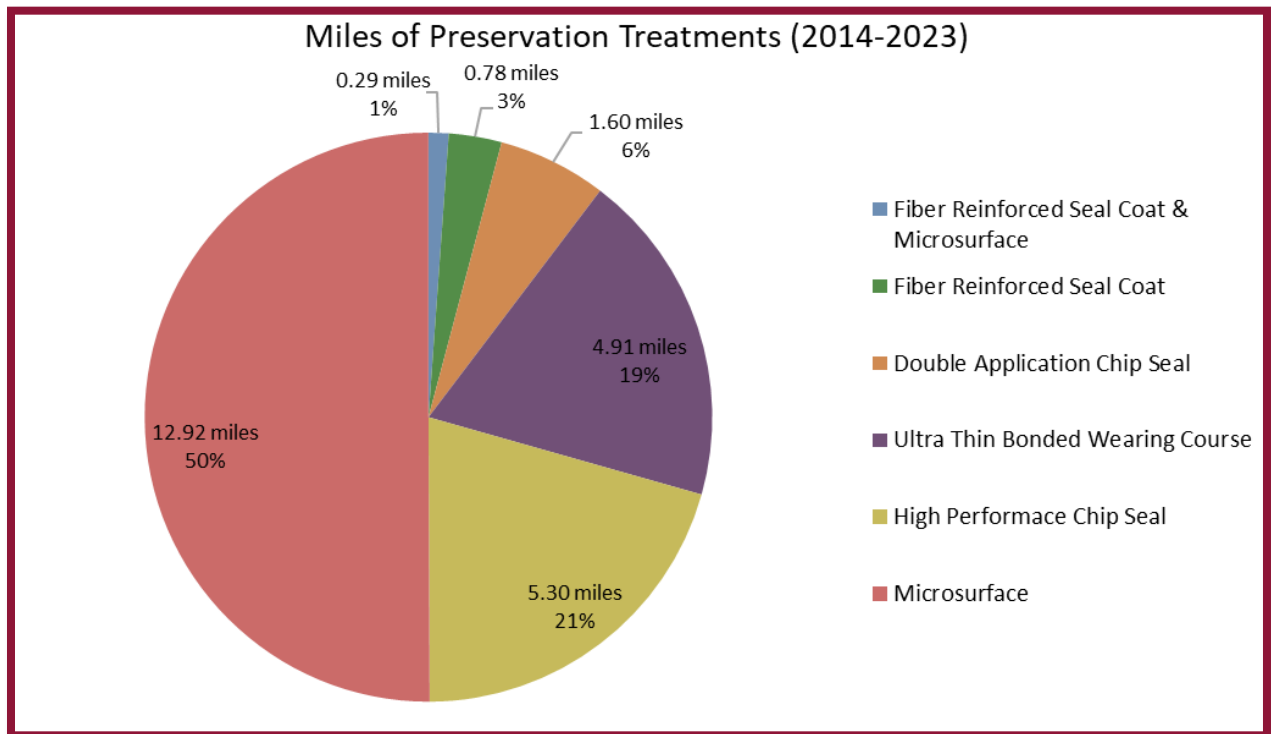


Figure 5

2015 Roadway Conditions Map



Legend

Condition

- Excellent
- Good
- Fair
- Poor
- Roadways
- Municipal Boundary

**UPPER ALLEN
TOWNSHIP**

ROADWAY CONDITIONS

2015

1 inch = 1,200 feet

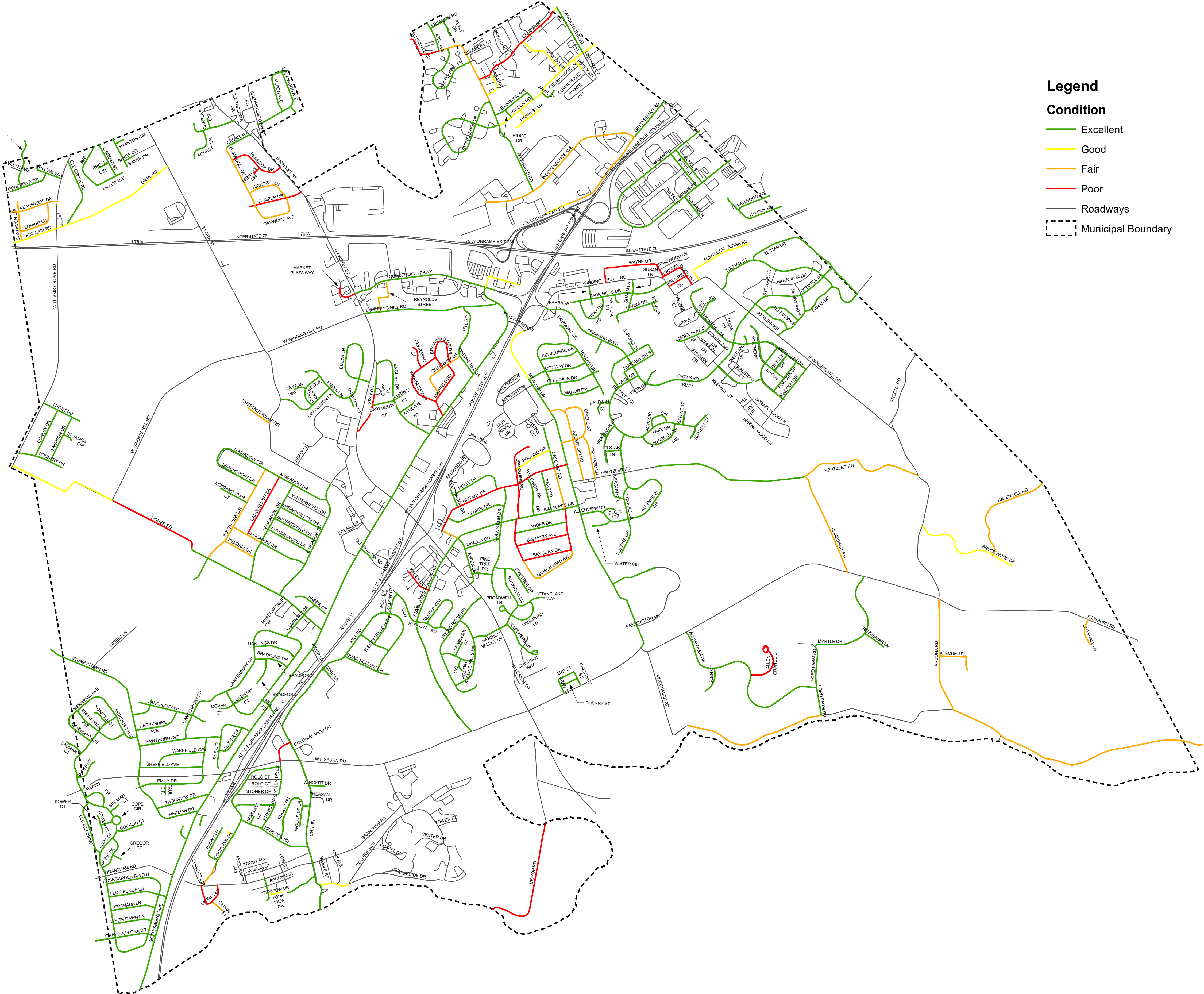


2023 Roadway Conditions Map

Legend

Condition

- Excellent
- Good
- Fair
- Poor
- Roadways
- Municipal Boundary



**UPPER ALLEN
TOWNSHIP**

ROADWAY CONDITIONS

2023

1 inch = 1,200 feet



Proposed 5-Year Roadway Improvement Plan Map

Legend

Maintenance Year

2024

2025

2026

2027

2028



UPPER ALLEN

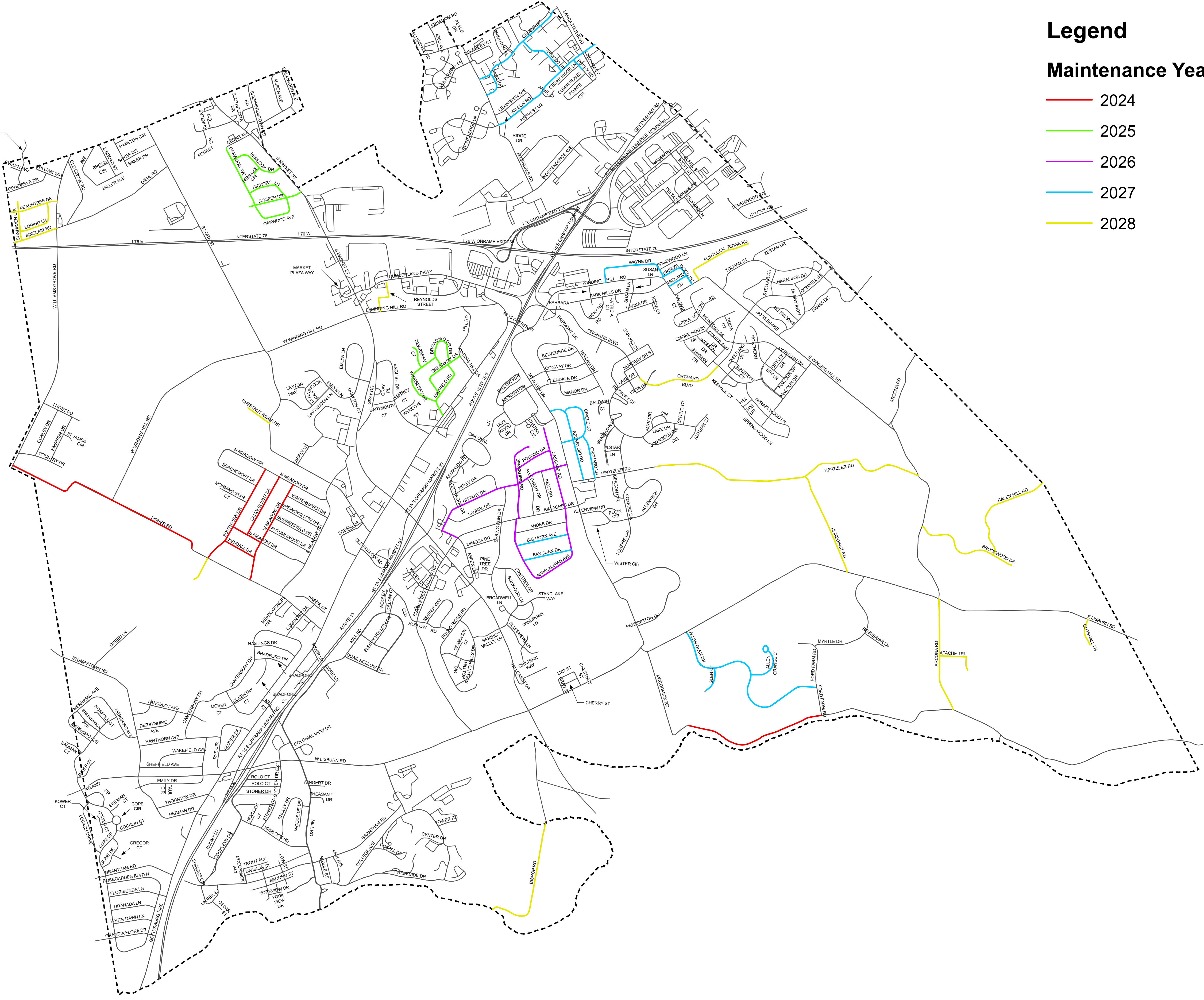
TOWNSHIP

Proposed 5-Year

Maintenance Plan

2024-2028

1 inch = 1,200 feet



Proposed Roadway Improvements Sorted by Year

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Candlelight Drive	Overlay	2024
Fisher Road - Municipal Line to Winding Hill Rd	Cold in Place Recycle	2024
Fisher Road - Winding Hill Rd to 400 ft. N. of South View Dr	Cold in Place Recycle	2024
Kendall Drive	Overlay	2024
South Meadow Drive - Southview Dr to W. Meadow Dr	Overlay	2024
South View Drive (Meadow) - Fisher Rd to N Meadow Dr	Overlay	2024
West Meadow Drive - Fisher Rd to N. Meadow Dr	Overlay	2024
Broadmoor Drive	Overlay	2025
Dewberry Court	Overlay	2025
Greenway Drive - Mayfield Rd to Winding Hill Dr	Overlay	2025
Hemlock Circle	Overlay	2025
Hemlock Drive - S. Market St to Oakwood Ave	Overlay	2025
Hickory Lane	Overlay	2025
Juniper Drive - Dead End to S. Market St	Overlay	2025
Mayfield Road - Gettysburg Pike to Greenway Dr	Overlay	2025
Oakwood Ave - Juniper Dr to Cedar Ave	Overlay	2025
Oakwood Ave - Juniper Dr to Juniper Dr	Overlay	2025
Wineberry Drive - Broadmoor Dr to Mayfield Dr	Overlay	2025
Appalachian Ave - Kim Acres Dr to San Juan Dr	Cold in Place Recycle	2026
Appalachian Ave - San Juan Ave to San Juan Ave	Cold in Place Recycle	2026
Aspen Drive - Kim Acres Dr to Nittany Dr	Cold in Place Recycle	2026
Berkshire Road - Kim Acres Dr to Cul-de-Sac	Cold in Place Recycle	2026
Cascade Road - Kim Acres Dr to Nittany Dr	Overlay	2026
Cascade Road - San Juan Dr to Kim Acres	Overlay	2026
Nittany Drive - Aspen Ln to Mt. Allen Dr	Cold in Place Recycle	2026
Pocono Drive	Cold in Place Recycle	2026

Proposed Roadway Improvements
Sorted by Maintenance Year

Roadway Name	Type	Year
Allen Glen Drive	Microsurface	2027
Allen Grange Court Road	Microsurface	2027
Big Horn Ave	Overlay	2027
Breezewood Drive - Winding Hill Rd to Winding Hill Rd	Ultra Thin Bonded Wearing Course	2027
Circle Drive - Mt Allen Dr to Reservoir Rd	Overlay	2027
Geneva Drive - Allendale Rd to Municipal Line	High Performance Chip Seal & Fog Seal	2027
Glen Court Road	Microsurface	2027
Midland Road	Ultra Thin Bonded Wearing Course	2027
Nanroc Drive	High Performance Chip Seal & Fog Seal	2027
Orchard Lane	Overlay	2027
Paris Drive	High Performance Chip Seal & Fog Seal	2027
Reservoir Road - Hertzler Rd to Mount Allen Dr	Overlay	2027
Rocky Road	High Performance Chip Seal & Fog Seal	2027
San Juan Drive	Overlay	2027
Wayne Drive	Ultra Thin Bonded Wearing Course	2027
Wilson Road - Allendale Rd to Municipal Line	Ultra Thin Bonded Wearing Course	2027
Apache Trail	Chip Seal	2028
Arcona Road - McCormick Rd to Lisburn Rd	Chip Seal	2028
Bishop Road	Chip Seal	2028
Brookwood Drive Arcona Rd to Cul-de-Sac	Mill & Overlay	2028
Chestnut Ridge Drive	Chip Seal	2028
Flintlock Ridge Road	High Performance Chip Seal & Fog Seal	2028
Hertzler Road - Klinedinst Rd to Arcona Rd	Chip Seal	2028
Klinedinst Road	Chip Seal	2028
Loring Lane	Mill & Overlay	2028
Miller Ave - Elmwood Ave to Dead End	Mill & Overlay	2028

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Orchard Boulevard - Lake Dr. to Old Barn Rd.	Microsurface	2028
Peachtree Drive - Dead end to Williams Grove Rd	Mill & Overlay	2028
Pima Circle	Chip Seal	2028
Raven Hill Road	Chip Seal	2028
Reynolds Street	Mill & Overlay	2028
Sinclair Road - Municipal Line to Sunhaven Cir	Mill & Overlay	2028
Sinclair Road - Sunhaven Cir to Williams Grove Rd	Overlay	2028
South View Drive (Cul-de-Sac) - Cul-de-Sac to Fisher Rd	Chip Seal	2028
Sunhaven Circle - Sinclair Rd to Cul-de-Sac	Mill & Overlay	2028
Aspen Drive - S. Market St to Kim Acres Dr	Microsurface	2029
Baldwin Court	Microsurface	2029
Braeburn Drive	Microsurface	2029
Diehl Road - Williams Grove Rd to S. York St	Microsurface	2029
Elstar Lane	Microsurface	2029
Empire Circle	Microsurface	2029
Fowler's Hollow Drive	Microsurface	2029
Genevieve St	Microsurface	2029
Harvest Lane - South Cul-de-Sac to North Cul-de-Sac	Mill & Overlay	2029
Harvest Lane - Wilson Rd to Center of Cross St	Overlay	2029
Inared Court	Microsurface	2029
Laurel Street - Woodbine St to Grantham Rd	Full Depth Reclamation	2029
Longmeadow St	Microsurface	2029
Market Plaza Way	Mill & Overlay	2029
McCormick Road - Arcona Rd to Camp Crossing	Chip Seal	2029
McCormick Road - Camp Crossing to Municipal Line	Chip Seal	2029
McCormick Road - Lisburn Rd to Arcona Rd	Chip Seal	2029

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Quail Hollow Road	Microsurface	2029
Rider Lane -Mill Rd to first driveway	Microsurface	2029
Sleepy Hollow Drive (Fowler's Hollow Rd to Mill Rd)	Microsurface	2029
Sleepy Hollow Road (Mill Rd to Old Hollow Rd)	Microsurface	2029
William Way	Microsurface	2029
Woodbine Street	Full Depth Reclamation	2029
Allendale Road - Stonehedge Dr to Eric Dr.	Overlay	2030
Flemming Dr - Merrimac Ave to Lisburn Rd	Microsurface	2030
Floribunda Lane - Rosegarden Blvd to Gettysburg Pike	Mill & Overlay	2030
Floribunda Lane - Rosegarden Blvd to Rosegarden Blvd	Mill & Overlay	2030
Gettysburg Pike-Cumberland Parkway to Cul-de-Sac	Mill & Overlay	2030
Granada Lane	Mill & Overlay	2030
Herman Drive - Thornton Dr to Gettysburg Pike	Microsurface	2030
Herman Drive Ext. - Gettysburg Pike to Dead End	Microsurface	2030
Kacey Court	Cold in Place Recycle	2030
Mallard Way	Microsurface	2030
Merrimac Ave. - Stumpstown Rd to Flemming Dr	Microsurface	2030
Morning Star Court	Microsurface	2030
Rider Lane - Gettysburg Pike to Dead End	Chip Seal	2030
Rosegarden Blvd E - Grandiaflora Dr to Floribunda Ln	Mill & Overlay	2030
Rosegarden Blvd S - Grandiaflora Dr to Grandiaflora dr	Mill & Overlay	2030
Barbara Lane - Winding Hill Rd to Cul-de-Sac	High Performance Chip Seal & Fog Seal	2031
Cumberland Parkway - S. Market St to End	Microsurface	2031
E. Winding Hill Road - S. Market St to Gettysburg Pike	Mill & Overlay	2031
Empress Drive	Microsurface	2031
Gray Drive - Gray Pl to Cul-de-Sac	Chip Seal	2031

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Hilda Court	High Performance Chip Seal & Fog Seal	2031
Kent Drive	Microsurface	2031
Lavina Drive - Cul-de-Sac to Dead End	High Performance Chip Seal & Fog Seal	2031
McIntosh	Microsurface	2031
McIntosh Drive	Microsurface	2031
Mt. Allen Drive - Conway Dr to Winding Hill Rd	Mill & Overlay	2031
Mt. Allen Drive - Lisburn Rd to Pennington Dr	Microsurface	2031
Old Schoolhouse Ln	Microsurface	2031
Park Hills Drive - Dead End to Susan Ln	High Performance Chip Seal & Fog Seal	2031
Park Hills Drive - Susan Ln to Winding Hill Rd	High Performance Chip Seal & Fog Seal	2031
Pine Tree Drive - Aspen Dr to Spring Run Dr	Microsurface	2031
Ricky Road	High Performance Chip Seal & Fog Seal	2031
Sansa Drive	Microsurface	2031
Spartan Drive	Microsurface	2031
Susan Lane - Park Hills Dr to Winding Hill Rd	High Performance Chip Seal	2031
Susan Lane - Lavina Dr to Park Hills Dr	High Performance Chip Seal & Fog Seal	2031
Tolman Street	Microsurface	2031
Winding Hill Drive - Gettysburg Pike to Greenway dr	Microsurface	2031
Winding Hill Drive - Greenway Dr to Winding Hill Rd	Microsurface	2031
Zestar Drive	Microsurface	2031
Zestar Street	Microsurface	2031
Ariel Ct.	High Performance Chip Seal & Fog Seal	2032
Ascott Way	Chip Seal	2032
Bauman Ct.	Microsurface	2032
Beechwood Drive - Nittany Dr to Messiah Property Line	Microsurface	2032
Brunswick Ave. - Merrimac Ave to Merrimac Ave	Microsurface	2032

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Chiltern Way	Chip Seal	2032
Deerview Drive - Round Ridge Rd to Rolling Hills Dr	High Performance Chip Seal & Fog Seal	2032
Fenwick Ave - Stumpstown Rd to Dead End	Microsurface	2032
Grandview Ct.	High Performance Chip Seal & Fog Seal	2032
Hemlock Road - Cockleys Dr to Mill Rd	Full Depth Reclamation	2032
Hertzler Road - 521 Hertzler Rd to Klinedinst Rd	Chip Seal	2032
Hertzler Road - Allenvue Dr to 521 Hertzler Road	High Performance Chip Seal & Fog Seal	2032
Hertzler Road - Mt. Allen Dr to Allenvue Dr	High Performance Chip Seal & Fog Seal	2032
Hilltop Circle	High Performance Chip Seal & Fog Seal	2032
Keefer Way	High Performance Chip Seal & Fog Seal	2032
Lancelot Ave - Cul-de-Sac to Cul-de-Sac	Microsurface	2032
Lexington Ave - Allendale Rd to Wilson Rd	High Performance Chip Seal & Fog Seal	2032
Mill Road - Municipal Line to College Ave	Cold in Place Recycle	2032
Mt. Allen Drive - Nittany Dr to Conway Dr	Microsurface	2032
Norfolk Ct.	Microsurface	2032
Norland Street	Microsurface	2032
Old Hollow Road - Bumble Bee Hollow Rd to Round Ridge Rd	Mill & Overlay	2032
Old Hollow Road - Bumble Bee Hollow Rd to Sleepy Hollow Dr	Microsurface	2032
Old Hollow Road - Gettysburg Pike to Turn Around	Microsurface	2032
Ridge Drive	High Performance Chip Seal & Fog Seal	2032
Rolling Hills Drive - Round Ridge Rd (S) to Round Ridge Road (N)	High Performance Chip Seal & Fog Seal	2032
Round Ridge Road - S. Market St to Cul-de-Sac	High Performance Chip Seal & Fog Seal	2032
Shoff Ct.	Microsurface	2032
Spring Valley Lane	High Performance Chip Seal & Fog Seal	2032
Stumpstown Road - Fenwick Ave to Municipal Line	Microsurface	2032
Stumpstown Road - Lisburn Rd to Fenwick Ave	Microsurface	2032

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Andes Drive	Microsurface	2033
Belvedere Drive	Microsurface	2033
Bonny Lane - Cockleys Dr to Cul-de-Sac	Microsurface	2033
Bonny Lane EXT - Cockleys Dr to Dead End	Chip Seal	2033
Boxwood Lane - Pine Tree Dr to Stand Lake Way	High Performance Chip Seal	2033
Boxwood Lane - Stand Lake Way to S. Market St	High Performance Chip Seal & Fog Seal	2033
Clark Street	High Performance Chip Seal	2033
Cockleys Drive - Slover Rd to Bridge	Microsurface	2033
Cockleys Drive - Stoner Dr EXT to Slover Rd	Microsurface	2033
Drayton Court	High Performance Chip Seal & Fog Seal	2033
Ellesmere Lane - Ascott Way to Dead End	Microsurface	2033
Ellesmere Lane - Boxwood Lane to Ascott Way	Mill & Overlay	2033
Emlyn Lane - S. Market St to Cul-de-Sac	High Performance Chip Seal & Fog Seal	2033
Eric Ave - Allendale Rd to Municipal Line	High Performance Chip Seal & Fog Seal	2033
Freedom Road - Eric Ave to Cul-de-Sac	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike - Grandiaflora Ln to Grantham Rd	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike - Grantham Rd to Lisburn Rd	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike - Lisburn Rd S. York St	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike - Municipal Line to Grandiflora Ln	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike - S. York St to Cumberland Pkwy	High Performance Chip Seal & Fog Seal	2033
Gettysburg Road - Independence Ave to Cul-de-Sac	Chip Seal	2033
Holly Drive	Microsurface	2033
Jonagold Circle	Microsurface	2033
Lancaster Boulevard- Wilson Road to Twp line	High Performance Chip Seal & Fog Seal	2033
Laurel Drive	Microsurface	2033
Lavynndon Lane - Emlyn Ln to S. York St	High Performance Chip Seal & Fog Seal	2033

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Leyton Way- Lynnbrook way to Cul de sac	High Performance Chip Seal & Fog Seal	2033
Louise Drive - Ritter Rd to Municipal Line	Microsurface	2033
Lynnbrook Way	High Performance Chip Seal & Fog Seal	2033
Mill Rd - Gettysburg Pike to Dead End	Microsurface	2033
Peace Drive	High Performance Chip Seal & Fog Seal	2033
Pine Tree Drive - Boxwood Ln to Cul-de-Sac	Microsurface	2033
Pine Tree Drive - Spring Run Dr to Boxwood Ln	Microsurface	2033
Richard Lane	Microsurface	2033
Ritter Road - Louise Dr to Municipal Line	Microsurface	2033
Scott Street	Microsurface	2033
Slover Road	Microsurface	2033
Standlake Way	High Performance Chip Seal & Fog Seal	2033
Stoner Drive Extended	High Performance Chip Seal & Fog Seal	2033
Windrush Lane	Microsurface	2033
Winterhaven Drive	High Performance Chip Seal	2033
Allenview Drive - Mt Allen Dr to Hertzler Rd	High Performance Chip Seal	2034
Atland Drive	High Performance Chip Seal & Fog Seal	2034
Beacon Circle	High Performance Chip Seal & Fog Seal	2034
Beilman Ct.	High Performance Chip Seal & Fog Seal	2034
Brad Street - Lisburn Rd to Second St	High Performance Chip Seal & Fog Seal	2034
Cherry Street	High Performance Chip Seal & Fog Seal	2034
Chestnut Street - Lisburn Rd to Second St	High Performance Chip Seal & Fog Seal	2034
Cocklin Court	High Performance Chip Seal & Fog Seal	2034
Connell Street (E Winding Hill to Norland St)	Microsurface	2034
Conway Drive - Mt. Allen Dr to Hellam Dr	Microsurface	2034
Cope Cir. - Cope Dr North to Cope Dr North	High Performance Chip Seal & Fog Seal	2034

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Cope Drive North - Lisburn Rd to Cope Cir	High Performance Chip Seal & Fog Seal	2034
Cope Drive South - Cope Cir to Grantham Rd	High Performance Chip Seal & Fog Seal	2034
Elgin Circle	High Performance Chip Seal	2034
Fisher Road - 400 ft. N. of South View Dr to E. Meadow Dr	Microsurface	2034
Fisher Road - E. Meadow Dr to Gettysburg Pike	Microsurface	2034
Ford Farm Rd	High Performance Chip Seal & Fog Seal	2034
Foxfire Circle	High Performance Chip Seal & Fog Seal	2034
Foxfire Drive - Allenvue Dr to Allenvue Dr	Microsurface	2034
Gettysburg Road - Municipal Line to Independence Ave	Mill & Overlay	2034
Glendale Drive - Mt. Allen Dr to Dead End	Microsurface	2034
Glime Drive - S. Cope Dr to S. Cope Dr	High Performance Chip Seal & Fog Seal	2034
Gray Drive - S. Market St to Gray Pl	High Performance Chip Seal & Fog Seal	2034
Gregor Ct.	High Performance Chip Seal & Fog Seal	2034
Hellam Drive - Dead End to Glendale Dr	High Performance Chip Seal & Fog Seal	2034
Kim Acres Drive - S. Market St to Mt Allen Dr	Microsurface	2034
Kower Ct South	High Performance Chip Seal & Fog Seal	2034
Kower Ct.North	High Performance Chip Seal & Fog Seal	2034
Kower Drive	High Performance Chip Seal & Fog Seal	2034
Lobach Drive	High Performance Chip Seal & Fog Seal	2034
Manor Drive	High Performance Chip Seal & Fog Seal	2034
Mill Road (Rider Ln to Quail Hollow Rd,End)	Microsurface	2034
Mimosa Drive	Microsurface	2034
Mt. Allen Drive - Allenvue Dr to Nittany Dr	High Performance Chip Seal & Fog Seal	2034
Mt. Allen Drive - Pennington Dr to Allenvue Dr	High Performance Chip Seal & Fog Seal	2034
Myrtle Drive - Lisburn Rd to Ford Farm Rd	High Performance Chip Seal & Fog Seal	2034
Patricia Court	High Performance Chip Seal & Fog Seal	2034

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Rosebriar Lane	High Performance Chip Seal & Fog Seal	2034
Second Street (Bow)	High Performance Chip Seal & Fog Seal	2034
Spigold Court	Microsurface	2034
Spring Court	Microsurface	2034
Spring Run Drive - Cul-de-Sac to Pine Tree Dr	Microsurface	2034
Spring Run Drive - Kim Acres Dr to Laurel Dr	Microsurface	2034
Spring Run Drive - Laurel Dr to Nittany Dr	Microsurface	2034
Spring Run Drive - Mimosa Dr to Kim Acres Dr	Microsurface	2034
Spring Run Drive - Pine Tree Dr to Mimosa Dr	Microsurface	2034
Spring Run Drive - Pine Tree Dr to Pine Tree Dr	Microsurface	2034
Surrey Court	High Performance Chip Seal & Fog Seal	2034
Surrey Court B	Microsurface	2034
Tolman Street (E. Winding Hill to Zestar dr)	Microsurface	2034
Wingert Drive	High Performance Chip Seal & Fog Seal	2034
Wister Circle	Microsurface	2034
Zestar Drive	Microsurface	2034
Allendale Road - End of 42 ft. width to Wilson Road	Microsurface	2035
Allendale Road - Eric Ave to Township Line	Full Depth Reclamation	2035
Allendale Road - Independence Ave to end of 42 ft. width	High Performance Chip Seal & Fog Seal	2035
Allendale Road - Stonehedge Dr to Wilson Rd	Microsurface	2035
Autumn Court	Microsurface	2035
Bumble Bee Hollow Rd - Lisburn Rd to Old Hollow Rd	Mill & Overlay	2035
Bumble Bee Hollow Rd - Old Hollow Rd to S. Market St	Microsurface	2035
Cottage Brook	Microsurface	2035
Dartmouth Court	High Performance Chip Seal & Fog Seal	2035
English Drive - Gettysburg Pike to Pavement Seam on hill	High Performance Chip Seal & Fog Seal	2035

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
English Drive - seam at hill to gray drive	High Performance Chip Seal & Fog Seal	2035
Liberty Drive (Macoun Dr. to Northern Spy Dr.)	Microsurface	2035
Macoun Drive	Microsurface	2035
Maigold Drive	Microsurface	2035
Northern Spy Drive	Microsurface	2035
Northern Spy Drive (McIntosh to Cul de sac)	Microsurface	2035
Old Barn Drive	Microsurface	2035
Orchard Boulevard (Old Barn to E. Winding Hill)	Microsurface	2035
Ortley Drive	Microsurface	2035
Stonehedge Lane - N Allendale Rd intersection to S. Allendale Rd intersection	High Performance Chip Seal & Fog Seal	2035
White Dawn Lane	Mill & Overlay	2035
Wyncote Court	High Performance Chip Seal & Fog Seal	2035
Allison Ave - Borough Line to Elmwood Ave	Microsurface	2036
Allison Ave - Elmwood Ave to E. elmwood	Microsurface	2036
Bradford Ct.	Microsurface	2036
Bradford Drive - Canterbury Dr to Canterbury Dr	Microsurface	2036
Canterbury Drive - Canterbury dr to Canterbury dr	Microsurface	2036
Canterbury Drive - Canterbury Dr to Lancelot Ave	Microsurface	2036
Coventry Court - Canterbury Dr to Cul-de-Sac	Microsurface	2036
Coventry Drive - Canterbury Dr to Arbor Court	Microsurface	2036
Dover Court	Microsurface	2036
E. Elmwood Ave - Allison Ave to Shepherdstown Rd	Microsurface	2036
E. Elmwood Ave - Municipal Line to Allison Ave	Mill & Overlay	2036
Grandiaflora Drive - Gettysburg Pike to Municipal Line	Mill & Overlay	2036
Hastings Drive	Microsurface	2036
Mill Rd - Canterbury Dr to Gettysburg Pike	Microsurface	2036

Proposed Roadway Improvements Sorted by Maintenance Year

Roadway Name	Type	Year
Rosegarden Blvd N - Floribunda Ln to Rosegarden Blvd W	Mill & Overlay	2036
Rosegarden Blvd W - Grantham Rd to Grandiaflora Dr	Mill & Overlay	2036
Allegheny Drive	Microsurface	2037
Baker Drive	Mill & Overlay	2037
Broad Circle	Mill & Overlay	2037
Broad Street - Miller Ave to Municipal Line	Mill & Overlay	2037
Cedar Ave	Microsurface	2037
Charles Circle	Mill & Overlay	2037
Conley Drive	Mill & Overlay	2037
Country Drive - Williams Grove Rd to Dead End	Mill & Overlay	2037
Forest Drive	Mill & Overlay	2037
Frost Road - Williams Grove Rd to Dead End	Mill & Overlay	2037
George Circle - Cul-de-Sac to S. Market St	Mill & Overlay	2037
Gutshall Lane	Gutshall Lane	2037
Hamilton Ave - Municipal Line to Dead End	Mill & Overlay	2037
Hamilton Circle	Mill & Overlay	2037
Herman Drive - Lisburn Rd to Emily Drive	High Performance Chip Seal & Fog Seal	2037
Knepper Drive - Country Dr to Frost Rd	Mill & Overlay	2037
Old Grove Road	Mill & Overlay	2037
Paul Circle	Mill & Overlay	2037
St. James Circle	Mill & Overlay	2037
W. Elmwood Ave	Mill & Overlay	2037
Arbor Court	Mill & Overlay	2038
Autumnwood Drive	Cold in Place Recycle	2038
North Meadow Drive - E. Meadow Dr to Dead End	Microsurface	2038
Park Ridge Drive	Cold in Place Recycle	2038

Proposed Roadway Improvements
Sorted by Maintenance Year

Roadway Name	Type	Year
Spring Willow Drive	Microsurface	2038
Summerfield Drive	Cold in Place Recycle	2038
Cascade Road - Nittany Dr to Dead End	Microsurface	2039
Cedar Street	Microsurface	2039
Emily Drive - Herman Dr to Lisburn Rd	Mill & Overlay	2039
Herman Drive - Emily Dr to Thornton Dr	Mill & Overlay	2039
High Street	Microsurface	2039
Independence Ave. - Gettysburg Rd to Cul-de-Sac	Overlay	2039
South Meadow Drive - W. Meadow Dr to E. Meadow Dr	Mill & Overlay	2039
Yorkview Drive - High St to Dead End	Microsurface	2039

Proposed Roadway Improvements Sorted by Road Name

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Allegheny Drive	Microsurface	2037
Allen Glen Drive	Microsurface	2027
Allen Grange Court Road	Microsurface	2027
Allendale Road - End of 42 ft. width to Wilson Road	Microsurface	2035
Allendale Road - Eric Ave to Township Line	Full Depth Reclamation	2035
Allendale Road - Independence Ave to end of 42 ft. width	High Performance Chip Seal & Fog Seal	2035
Allendale Road - Stonehedge Dr to Eric Dr.	Overlay	2030
Allendale Road - Stonehedge Dr to Wilson Rd	Microsurface	2035
Allenvue Drive - Mt Allen Dr to Hertzler Rd	High Performance Chip Seal	2034
Allison Ave - Borough Line to Elmwood Ave	Microsurface	2036
Allison Ave - Elmwood Ave to E. elmwood	Microsurface	2036
Andes Drive	Microsurface	2033
Apache Trail	Chip Seal	2028
Appalachian Ave - Kim Acres Dr to San Juan Dr	Cold in Place Recycle	2026
Appalachian Ave - San Juan Ave to San Juan Ave	Cold in Place Recycle	2026
Arbor Court	Mill & Overlay	2038
Arcona Road - McCormick Rd to Lisburn Rd	Chip Seal	2028
Ariel Ct.	High Performance Chip Seal & Fog Seal	2032
Ascott Way	Chip Seal	2032
Aspen Drive - Kim Acres Dr to Nittany Dr	Cold in Place Recycle	2026
Aspen Drive - S. Market St to Kim Acres Dr	Microsurface	2029
Atland Drive	High Performance Chip Seal & Fog Seal	2034
Autumn Court	Microsurface	2035
Autumnwood Drive	Cold in Place Recycle	2038
Baker Drive	Mill & Overlay	2037
Baldwin Court	Microsurface	2029

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Barbara Lane - Winding Hill Rd to Cul-de-Sac	High Performance Chip Seal & Fog Seal	2031
Bauman Ct.	Microsurface	2032
Beacon Circle	High Performance Chip Seal & Fog Seal	2034
Beechwood Drive - Nittany Dr to Messiah Property Line	Microsurface	2032
Beilman Ct.	High Performance Chip Seal & Fog Seal	2034
Belvedere Drive	Microsurface	2033
Berkshire Road - Kim Acres Dr to Cul-de-Sac	Cold in Place Recycle	2026
Big Horn Ave	Overlay	2027
Bishop Road	Chip Seal	2028
Bonny Lane - Cockleys Dr to Cul-de-Sac	Microsurface	2033
Bonny Lane EXT - Cockleys Dr to Dead End	Chip Seal	2033
Boxwood Lane - Pine Tree Dr to Stand Lake Way	High Performance Chip Seal	2033
Boxwood Lane - Stand Lake Way to S. Market St	High Performance Chip Seal & Fog Seal	2033
Brad Street - Lisburn Rd to Second St	High Performance Chip Seal & Fog Seal	2034
Bradford Ct.	Microsurface	2036
Bradford Drive - Canterbury Dr to Canterbury Dr	Microsurface	2036
Braeburn Drive	Microsurface	2029
Breezewood Drive - Winding Hill Rd to Winding Hill Rd	Ultra Thin Bonded Wearing Course	2027
Broad Circle	Mill & Overlay	2037
Broad Street - Miller Ave to Municipal Line	Mill & Overlay	2037
Broadmoor Drive	Overlay	2025
Brookwood Drive Arcona Rd to Cul-de-Sac	Mill & Overlay	2028
Brunswick Ave. - Merrimac Ave to Merrimac Ave	Microsurface	2032
Bumble Bee Hollow Rd - Lisburn Rd to Old Hollow Rd	Mill & Overlay	2035
Bumble Bee Hollow Rd - Old Hollow Rd to S. Market St	Microsurface	2035
Candlelight Drive	Overlay	2024

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Canterbury Drive - Canterbury dr to Canterbury dr	Microsurface	2036
Canterbury Drive - Canterbury Dr to Lancelot Ave	Microsurface	2036
Cascade Road - Kim Acres Dr to Nittany Dr	Overlay	2026
Cascade Road - Nittany Dr to Dead End	Microsurface	2039
Cascade Road - San Juan Dr to Kim Acres	Overlay	2026
Cedar Ave	Microsurface	2037
Cedar Street	Microsurface	2039
Charles Circle	Mill & Overlay	2037
Cherry Street	High Performance Chip Seal & Fog Seal	2034
Chestnut Ridge Drive	Chip Seal	2028
Chestnut Street - Lisburn Rd to Second St	High Performance Chip Seal & Fog Seal	2034
Chiltern Way	Chip Seal	2032
Circle Drive - Mt Allen Dr to Reservoir Rd	Overlay	2027
Clark Street	High Performance Chip Seal	2033
Cockleys Drive - Slover Rd to Bridge	Microsurface	2033
Cockleys Drive - Stoner Dr EXT to Slover Rd	Microsurface	2033
Cocklin Court	High Performance Chip Seal & Fog Seal	2034
Conley Drive	Mill & Overlay	2037
Connell Street (E Winding Hill to Norland St)	Microsurface	2034
Conway Drive - Mt. Allen Dr to Hellam Dr	Microsurface	2034
Cope Cir. - Cope Dr North to Cope Dr North	High Performance Chip Seal & Fog Seal	2034
Cope Drive North - Lisburn Rd to Cope Cir	High Performance Chip Seal & Fog Seal	2034
Cope Drive South - Cope Cir to Grantham Rd	High Performance Chip Seal & Fog Seal	2034
Cottage Brook	Microsurface	2035
Country Drive - Williams Grove Rd to Dead End	Mill & Overlay	2037
Coventry Court - Canterbury Dr to Cul-de-Sac	Microsurface	2036

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Coventry Drive - Canterbury Dr to Arbor Court	Microsurface	2036
Cumberland Parkway - S. Market St to End	Microsurface	2031
Dartmouth Court	High Performance Chip Seal & Fog Seal	2035
Deerview Drive - Round Ridge Rd to Rolling Hills Dr	High Performance Chip Seal & Fog Seal	2032
Dewberry Court	Overlay	2025
Diehl Road - Williams Grove Rd to S. York St	Microsurface	2029
Dover Court	Microsurface	2036
Drayton Court	High Performance Chip Seal & Fog Seal	2033
E. Elmwood Ave - Allison Ave to Shepherdstown Rd	Microsurface	2036
E. Elmwood Ave - Municipal Line to Allison Ave	Mill & Overlay	2036
E. Winding Hill Road - S. Market St to Gettysburg Pike	Mill & Overlay	2031
Elgin Circle	High Performance Chip Seal	2034
Ellesmere Lane - Ascott Way to Dead End	Microsurface	2033
Ellesmere Lane - Boxwood Lane to Ascott Way	Mill & Overlay	2033
Elstar Lane	Microsurface	2029
Emily Drive - Herman Dr to Lisburn Rd	Mill & Overlay	2039
Emlyn Lane - S. Market St to Cul-de-Sac	High Performance Chip Seal & Fog Seal	2033
Empire Circle	Microsurface	2029
Empress Drive	Microsurface	2031
English Drive - Gettysburg Pike to Pavement Seam on hill	High Performance Chip Seal & Fog Seal	2035
English Drive - seam at hill to gray drive	High Performance Chip Seal & Fog Seal	2035
Eric Ave - Allendale Rd to Municipal Line	High Performance Chip Seal & Fog Seal	2033
Fenwick Ave - Stumpstown Rd to Dead End	Microsurface	2032
Fisher Road - 400 ft. N. of South View Dr to E. Meadow Dr	Microsurface	2034
Fisher Road - E. Meadow Dr to Gettysburg Pike	Microsurface	2034
Fisher Road - Municipal Line to Winding Hill Rd	Cold in Place Recycle	2024

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Fisher Road - Winding Hill Rd to 400 ft. N. of South View Dr	Cold in Place Recycle	2024
Flemming Dr - Merrimac Ave to Lisburn Rd	Microsurface	2030
Flintlock Ridge Road	High Performance Chip Seal & Fog Seal	2028
Floribunda Lane - Rosegarden Blvd to Gettysburg Pike	Mill & Overlay	2030
Floribunda Lane - Rosegarden Blvd to Rosegarden Blvd	Mill & Overlay	2030
Ford Farm Rd	High Performance Chip Seal & Fog Seal	2034
Forest Drive	Mill & Overlay	2037
Fowler's Hollow Drive	Microsurface	2029
Foxfire Circle	High Performance Chip Seal & Fog Seal	2034
Foxfire Drive - Allenvue Dr to Allenvue Dr	Microsurface	2034
Freedom Road - Eric Ave to Cul-de-Sac	High Performance Chip Seal & Fog Seal	2033
Frost Road - Williams Grove Rd to Dead End	Mill & Overlay	2037
Geneva Drive - Allendale Rd to Municipal Line	High Performance Chip Seal & Fog Seal	2027
Genevieve St	Microsurface	2029
George Circle - Cul-de-Sac to S. Market St	Mill & Overlay	2037
Gettysburg Pike - Grandiaflora Ln to Grantham Rd	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike - Grantham Rd to Lisburn Rd	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike - Lisburn Rd S. York St	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike - Municipal Line to Grandiflora Ln	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike - S. York St to Cumberland Pkwy	High Performance Chip Seal & Fog Seal	2033
Gettysburg Pike-Cumberland Parkway to Cul-de-Sac	Mill & Overlay	2030
Gettysburg Road - Independence Ave to Cul-de-Sac	Chip Seal	2033
Gettysburg Road - Municipal Line to Independence Ave	Mill & Overlay	2034
Glen Court Road	Microsurface	2027
Glendale Drive - Mt. Allen Dr to Dead End	Microsurface	2034
Glime Drive - S. Cope Dr to S. Cope Dr	High Performance Chip Seal & Fog Seal	2034

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Granada Lane	Mill & Overlay	2030
Grandiaflora Drive - Gettysburg Pike to Municipal Line	Mill & Overlay	2036
Grandview Ct.	High Performance Chip Seal & Fog Seal	2032
Gray Drive - Gray Pl to Cul-de-Sac	Chip Seal	2031
Gray Drive - S. Market St to Gray Pl	High Performance Chip Seal & Fog Seal	2034
Greenway Drive - Mayfield Rd to Winding Hill Dr	Overlay	2025
Gregor Ct.	High Performance Chip Seal & Fog Seal	2034
Gutshall Lane	Gutshall Lane	2037
Hamilton Ave - Municipal Line to Dead End	Mill & Overlay	2037
Hamilton Circle	Mill & Overlay	2037
Harvest Lane - South Cul-de-Sac to North Cul-de-Sac	Mill & Overlay	2029
Harvest Lane - Wilson Rd to Center of Cross St	Overlay	2029
Hastings Drive	Microsurface	2036
Hellam Drive - Dead End to Glendale Dr	High Performance Chip Seal & Fog Seal	2034
Hemlock Circle	Overlay	2025
Hemlock Drive - S. Market St to Oakwood Ave	Overlay	2025
Hemlock Road - Cockleys Dr to Mill Rd	Full Depth Reclamation	2032
Herman Drive - Emily Dr to Thornton Dr	Mill & Overlay	2039
Herman Drive - Lisburn Rd to Emily Drive	High Performance Chip Seal & Fog Seal	2037
Herman Drive - Thornton Dr to Gettysburg Pike	Microsurface	2030
Herman Drive Ext. - Gettysburg Pike to Dead End	Microsurface	2030
Hertzler Road - 521 Hertzler Rd to Klinedinst Rd	Chip Seal	2032
Hertzler Road - Allenvue Dr to 521 Hertzler Road	High Performance Chip Seal & Fog Seal	2032
Hertzler Road - Klinedinst Rd to Arcona Rd	Chip Seal	2028
Hertzler Road - Mt. Allen Dr to Allenvue Dr	High Performance Chip Seal & Fog Seal	2032
Hickory Lane	Overlay	2025

Proposed Roadway Improvements
Sorted by Road Name

Roadway Name	Type	Year
High Street	Microsurface	2039
Hilda Court	High Performance Chip Seal & Fog Seal	2031
Hilltop Circle	High Performance Chip Seal & Fog Seal	2032
Holly Drive	Microsurface	2033
Inared Court	Microsurface	2029
Independence Ave. - Gettysburg Rd to Cul-de-Sac	Overlay	2039
Jonagold Circle	Microsurface	2033
Juniper Drive - Dead End to S. Market St	Overlay	2025
Kacey Court	Cold in Place Recycle	2030
Keefer Way	High Performance Chip Seal & Fog Seal	2032
Kendall Drive	Overlay	2024
Kent Drive	Microsurface	2031
Kim Acres Drive - S. Market St to Mt Allen Dr	Microsurface	2034
Klinedinst Road	Chip Seal	2028
Knepper Drive - Country Dr to Frost Rd	Mill & Overlay	2037
Kower Ct South	High Performance Chip Seal & Fog Seal	2034
Kower Ct.North	High Performance Chip Seal & Fog Seal	2034
Kower Drive	High Performance Chip Seal & Fog Seal	2034
Lancaster Boulevard- Wilson Road to Twp line	High Performance Chip Seal & Fog Seal	2033
Lancelot Ave - Cul-de-Sac to Cul-de-Sac	Microsurface	2032
Laurel Drive	Microsurface	2033
Laurel Street - Woodbine St to Grantham Rd	Full Depth Reclamation	2029
Lavina Drive - Cul-de-Sac to Dead End	High Performance Chip Seal & Fog Seal	2031
Lavynndon Lane - Emlyn Ln to S. York St	High Performance Chip Seal & Fog Seal	2033
Lexington Ave - Allendale Rd to Wilson Rd	High Performance Chip Seal & Fog Seal	2032
Leyton Way- Lynnbrook way to Cul de sac	High Performance Chip Seal & Fog Seal	2033

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Liberty Drive (Macoun Dr. to Northern Spy Dr.)	Microsurface	2035
Lobach Drive	High Performance Chip Seal & Fog Seal	2034
Longmeadow St	Microsurface	2029
Loring Lane	Mill & Overlay	2028
Louise Drive - Ritter Rd to Municipal Line	Microsurface	2033
Lynnbrook Way	High Performance Chip Seal & Fog Seal	2033
Macoun Drive	Microsurface	2035
Maigold Drive	Microsurface	2035
Mallard Way	Microsurface	2030
Manor Drive	High Performance Chip Seal & Fog Seal	2034
Market Plaza Way	Mill & Overlay	2029
Mayfield Road - Gettysburg Pike to Greenway Dr	Overlay	2025
McCormick Road - Arcona Rd to Camp Crossing	Chip Seal	2029
McCormick Road - Camp Crossing to Municipal Line	Chip Seal	2029
McCormick Road - Lisburn Rd to Arcona Rd	Chip Seal	2029
McIntosh	Microsurface	2031
McIntosh Drive	Microsurface	2031
Merrimac Ave. - Stumpstown Rd to Flemming Dr	Microsurface	2030
Midland Road	Ultra Thin Bonded Wearing Course	2027
Mill Rd - Canterbury Dr to Gettysburg Pike	Microsurface	2036
Mill Rd - Gettysburg Pike to Dead End	Microsurface	2033
Mill Road - Municipal Line to College Ave	Cold in Place Recycle	2032
Mill Road (Rider Ln to Quail Hollow Rd,End)	Microsurface	2034
Miller Ave - Elmwood Ave to Dead End	Mill & Overlay	2028
Mimosa Drive	Microsurface	2034
Morning Star Court	Microsurface	2030

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Mt. Allen Drive - Allenvue Dr to Nittany Dr	High Performance Chip Seal & Fog Seal	2034
Mt. Allen Drive - Conway Dr to Winding Hill Rd	Mill & Overlay	2031
Mt. Allen Drive - Lisburn Rd to Pennington Dr	Microsurface	2031
Mt. Allen Drive - Nittany Dr to Conway Dr	Microsurface	2032
Mt. Allen Drive - Pennington Dr to Allenvue Dr	High Performance Chip Seal & Fog Seal	2034
Myrtle Drive - Lisburn Rd to Ford Farm Rd	High Performance Chip Seal & Fog Seal	2034
Nanroc Drive	High Performance Chip Seal & Fog Seal	2027
Nittany Drive - Aspen Ln to Mt. Allen Dr	Cold in Place Recycle	2026
Norfolk Ct.	Microsurface	2032
Norland Street	Microsurface	2032
North Meadow Drive - E. Meadow Dr to Dead End	Microsurface	2038
Northern Spy Drive	Microsurface	2035
Northern Spy Drive (McIntosh to Cul de sac)	Microsurface	2035
Oakwood Ave - Juniper Dr to Cedar Ave	Overlay	2025
Oakwood Ave - Juniper Dr to Juniper Dr	Overlay	2025
Old Barn Drive	Microsurface	2035
Old Grove Road	Mill & Overlay	2037
Old Hollow Road - Bumble Bee Hollow Rd to Round Ridge Rd	Mill & Overlay	2032
Old Hollow Road - Bumble Bee Hollow Rd to Sleepy Hollow Dr	Microsurface	2032
Old Hollow Road - Gettysburg Pike to Turn Around	Microsurface	2032
Old Schoolhouse Ln	Microsurface	2031
Orchard Boulevard - Lake Dr. to Old Barn Rd.	Microsurface	2028
Orchard Boulevard (Old Barn to E. Winding Hill)	Microsurface	2035
Orchard Lane	Overlay	2027
Ortley Drive	Microsurface	2035
Paris Drive	High Performance Chip Seal & Fog Seal	2027

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Park Hills Drive - Dead End to Susan Ln	High Performance Chip Seal & Fog Seal	2031
Park Hills Drive - Susan Ln to Winding Hill Rd	High Performance Chip Seal & Fog Seal	2031
Park Ridge Drive	Cold in Place Recycle	2038
Patricia Court	High Performance Chip Seal & Fog Seal	2034
Paul Circle	Mill & Overlay	2037
Peace Drive	High Performance Chip Seal & Fog Seal	2033
Peachtree Drive - Dead end to Williams Grove Rd	Mill & Overlay	2028
Pima Circle	Chip Seal	2028
Pine Tree Drive - Aspen Dr to Spring Run Dr	Microsurface	2031
Pine Tree Drive - Boxwood Ln to Cul-de-Sac	Microsurface	2033
Pine Tree Drive - Spring Run Dr to Boxwood Ln	Microsurface	2033
Pocono Drive	Cold in Place Recycle	2026
Quail Hollow Road	Microsurface	2029
Raven Hill Road	Chip Seal	2028
Reservoir Road - Hertzler Rd to Mount Allen Dr	Overlay	2027
Reynolds Street	Mill & Overlay	2028
Richard Lane	Microsurface	2033
Ricky Road	High Performance Chip Seal & Fog Seal	2031
Rider Lane - Gettysburg Pike to Dead End	Chip Seal	2030
Rider Lane -Mill Rd to first driveway	Microsurface	2029
Ridge Drive	High Performance Chip Seal & Fog Seal	2032
Ritter Road - Louise Dr to Municipal Line	Microsurface	2033
Rocky Road	High Performance Chip Seal & Fog Seal	2027
Rolling Hills Drive - Round Ridge Rd (S) to Round Ridge Road (N)	High Performance Chip Seal & Fog Seal	2032
Rosebriar Lane	High Performance Chip Seal & Fog Seal	2034
Rosegarden Blvd E - Grandiaflora Dr to Floribunda Ln	Mill & Overlay	2030

Proposed Roadway Improvements Sorted by Road Name

Roadway Name	Type	Year
Rosegarden Blvd N - Floribunda Ln to Rosegarden Blvd W	Mill & Overlay	2036
Rosegarden Blvd S - Grandiaflora Dr to Grandiaflora dr	Mill & Overlay	2030
Rosegarden Blvd W - Grantham Rd to Grandiaflora Dr	Mill & Overlay	2036
Round Ridge Road - S. Market St to Cul-de-Sac	High Performance Chip Seal & Fog Seal	2032
San Juan Drive	Overlay	2027
Sansa Drive	Microsurface	2031
Scott Street	Microsurface	2033
Second Street (Bow)	High Performance Chip Seal & Fog Seal	2034
Shoff Ct.	Microsurface	2032
Sinclair Road - Municipal Line to Sunhaven Cir	Mill & Overlay	2028
Sinclair Road - Sunhaven Cir to Williams Grove Rd	Overlay	2028
Sleepy Hollow Drive (Fowler's Hollow Rd to Mill Rd)	Microsurface	2029
Sleepy Hollow Road (Mill Rd to Old Hollow Rd)	Microsurface	2029
Slover Road	Microsurface	2033
South Meadow Drive - Southview Dr to W. Meadow Dr	Overlay	2024
South Meadow Drive - W. Meadow Dr to E. Meadow Dr	Mill & Overlay	2039
South View Drive (Cul-de-Sac) - Cul-de-Sac to Fisher Rd	Chip Seal	2028
South View Drive (Meadow) - Fisher Rd to N Meadow Dr	Overlay	2024
Spartan Drive	Microsurface	2031
Spigold Court	Microsurface	2034
Spring Court	Microsurface	2034
Spring Run Drive - Cul-de-Sac to Pine Tree Dr	Microsurface	2034
Spring Run Drive - Kim Acres Dr to Laurel Dr	Microsurface	2034
Spring Run Drive - Laurel Dr to Nittany Dr	Microsurface	2034
Spring Run Drive - Mimosa Dr to Kim Acres Dr	Microsurface	2034
Spring Run Drive - Pine Tree Dr to Mimosa Dr	Microsurface	2034

Proposed Roadway Improvements
Sorted by Road Name

Roadway Name	Type	Year
Spring Run Drive - Pine Tree Dr to Pine Tree Dr	Microsurface	2034
Spring Valley Lane	High Performance Chip Seal & Fog Seal	2032
Spring Willow Drive	Microsurface	2038
St. James Circle	Mill & Overlay	2037
Standlake Way	High Performance Chip Seal & Fog Seal	2033
Stonehedge Lane - N Allendale Rd intersection to S. Allendale Rd intersection	High Performance Chip Seal & Fog Seal	2035
Stoner Drive Extended	High Performance Chip Seal & Fog Seal	2033
Stumpstown Road - Fenwick Ave to Municipal Line	Microsurface	2032
Stumpstown Road - Lisburn Rd to Fenwick Ave	Microsurface	2032
Summerfield Drive	Cold in Place Recycle	2038
Sunhaven Circle - Sinclair Rd to Cul-de-Sac	Mill & Overlay	2028
Surrey Court	High Performance Chip Seal & Fog Seal	2034
Surrey Court B	Microsurface	2034
Susan Lane - Park Hills Dr to Winding Hill Rd	High Performance Chip Seal	2031
Susan Lane - Lavina Dr to Park Hills Dr	High Performance Chip Seal & Fog Seal	2031
Tolman Street	Microsurface	2031
Tolman Street (E. Winding Hill to Zestar dr)	Microsurface	2034
W. Elmwood Ave	Mill & Overlay	2037
Wayne Drive	Ultra Thin Bonded Wearing Course	2027
West Meadow Drive - Fisher Rd to N. Meadow Dr	Overlay	2024
White Dawn Lane	Mill & Overlay	2035
William Way	Microsurface	2029
Wilson Road - Allendale Rd to Municipal Line	Ultra Thin Bonded Wearing Course	2027
Winding Hill Drive - Gettysburg Pike to Greenway dr	Microsurface	2031
Winding Hill Drive - Greenway Dr to Winding Hill Rd	Microsurface	2031
Windrush Lane	Microsurface	2033

Proposed Roadway Improvements
Sorted by Road Name

Roadway Name	Type	Year
Wineberry Drive - Broadmoor Dr to Mayfield Dr	Overlay	2025
Wingert Drive	High Performance Chip Seal & Fog Seal	2034
Winterhaven Drive	High Performance Chip Seal	2033
Wister Circle	Microsurface	2034
Woodbine Street	Full Depth Reclamation	2029
Wyncote Court	High Performance Chip Seal & Fog Seal	2035
Yorkview Drive - High St to Dead End	Microsurface	2039
Zestar Drive	Microsurface	2031
Zestar Drive	Microsurface	2034
Zestar Street	Microsurface	2031