

# PENNSYLVANIA A- VRU Safety Assessment Report



2023







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Michael Carroll, Secretary of Transportation



**pennsylvania**  
DEPARTMENT OF TRANSPORTATION

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# CHAPTER 1: INTRODUCTION AND PURPOSE OF THE REPORT

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While the number of vehicle miles traveled (VMT) across the United States (U.S.) has fluctuated over the past two decades due to various social and economic factors, the number of pedestrians and cyclists involved in fatalities and serious injuries on U.S. roadways has steadily risen. Given the inherent, unprotected nature of these vulnerable road users (VRU) outside of motor vehicles, even an event deemed minor for a motor vehicle can lead to catastrophic results for those walking, cycling, or rolling along or across the roadway. As such, understanding the risk factors and underlying causes of crashes involving these VRUs plays a key role in creating a safer roadway environment for all users. The purpose of this VRU Safety Assessment is to evaluate safety performance along Pennsylvania roadways with respect to VRUs and to develop a plan for improving the safety for these users through both targeted and systemic improvements on the state's transportation network. Ultimately, this assessment is intended to improve VRU safety by identifying specific improvement strategies and prioritizing areas through a process that is guided and supported by quantitative and qualitative data, land use context, and community input.

## Vulnerable Road Users

A VRU is a non-motorist with a fatality analysis reporting system (FARS) person attribute code for pedestrian, bicyclist, other cyclist, and person on personal conveyance or an injured person that is, or is equivalent to, a pedestrian or pedalcyclist as defined in the ANSI D16.1-2007. (See 23 U.S.C. 148(a)(15) and 23 CFR 490.205). A VRU may be someone who is walking, biking, rolling, or using a mobility device, such as a wheelchair. (Unlike some definitions, VRUs for the purpose of this report do not include motorcyclists, drivers of horses and buggies, or riders of electric bikes or scooters.) For the sake of brevity in this report, however, VRUs will be referred to primarily as pedestrians and cyclists. VRUs are particularly susceptible to being killed or injured in a crash, and they account for a growing share of all transportation fatalities, both in Pennsylvania and throughout the U.S.

## VRU Safety Assessment Overview

A VRU Safety Assessment is a comprehensive statewide examination aimed at understanding the transportation safety challenges faced by VRUs. The assessment first evaluates the safety performance for pedestrians and cyclists, then develops a plan to improve safety for those travelers at specific locations or throughout the entire system. Thus, it provides a structured approach for transportation authorities, planners, and engineers to identify potential hazards, assess risks, and develop strategies to enhance the safety and accessibility of roadways for all users.

## Safe System Approach

The United States Department of Transportation (USDOT) uses a Safe System Approach as the guiding paradigm to address roadway safety. The Safe System Approach has been embraced by the transportation community as an effective way to address and mitigate the risks inherent in our enormous and complex transportation system. It works by building and reinforcing multiple layers of protection to both prevent crashes from happening in the first place and minimize the harm caused to those involved when crashes do occur. It is a holistic and comprehensive approach that provides a guiding framework to make places safer for people.

This is a shift from a conventional safety approach because it focuses on both human mistakes AND human vulnerability and designs a system with many redundancies in place to protect everyone.

The Safe System Approach forms the cornerstone of this VRU Safety Assessment. The approach is incorporated into the assessment in five key ways:

- **Humans are Vulnerable:** VRUs are, by definition, the most vulnerable travelers in our transportation network. This assessment is focused on their safety.
- **Death and Serious Injuries are Unacceptable:** Fatalities and serious injuries received special consideration in the identification and prioritization of high-risk areas described in chapter 3.
- **Responsibility is Shared:** This assessment includes both state and local roads. The recommendations in chapter 6 include coordination between the state and local jurisdictions to improve safety in all high-risk areas.
- **Safer Roads and Safer Speeds:** Safer roads and safer speeds benefit not just VRUs, but everyone using the transportation system. The recommendations in chapter 6 are centered on implementing proven safety countermeasures, including approaches to manage speeds, that create safer roads in Pennsylvania.

## More About the Safe System Approach

USDOT's National Roadway Safety Strategy and the Department's ongoing safety programs are working towards a future with zero roadway fatalities and serious injuries. In support of this approach, the Safe System Approach is focused on infrastructure, human behavior, responsible oversight of the vehicle and transportation industry, and emergency response.

### Principles of a Safe System Approach

A Safe System Approach incorporates the following principles:

**Death and Serious Injuries are Unacceptable:** A Safe System Approach prioritizes the elimination of crashes that result in death and serious injuries.

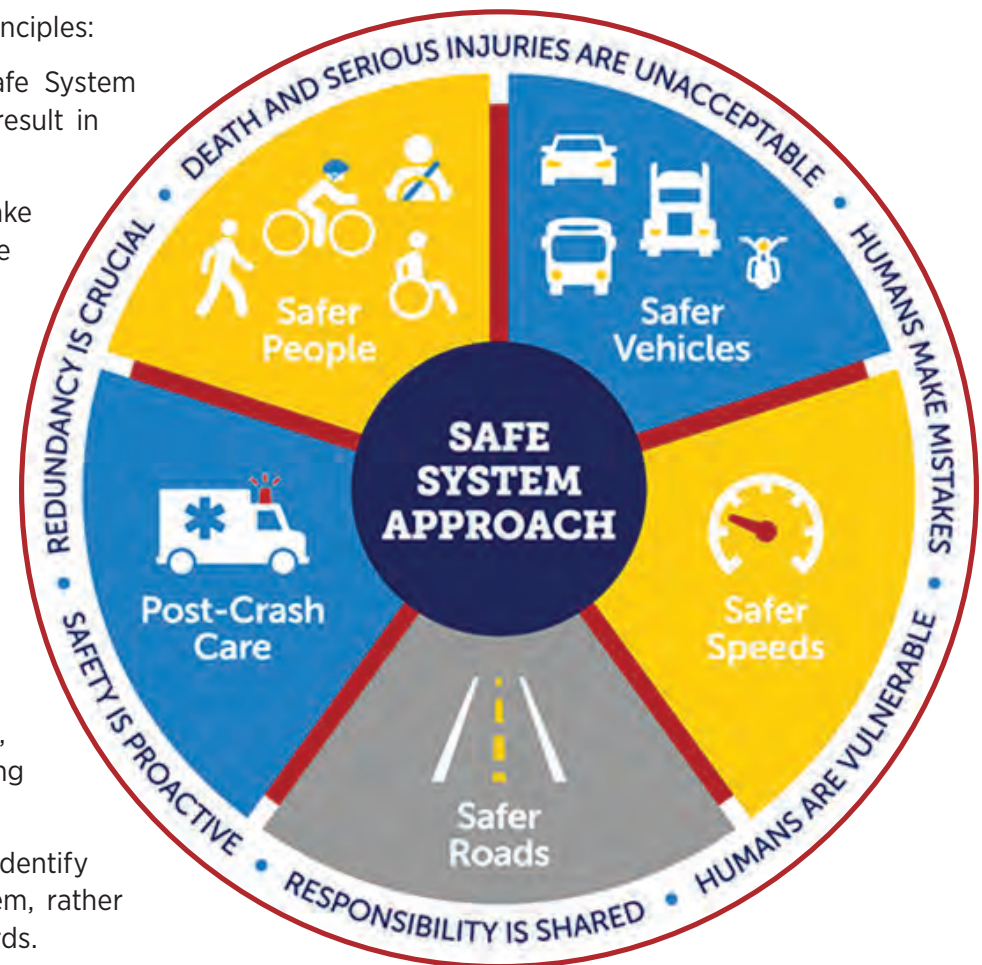
**Humans Make Mistakes:** People will inevitably make mistakes and decisions that can lead or contribute to crashes, but the transportation system can be designed and operated to accommodate certain types and levels of human mistakes, and avoid death and serious injuries when a crash occurs.

**Humans Are Vulnerable:** Human bodies have physical limits for tolerating crash forces before death or serious injury occurs; therefore, it is critical to design and operate a transportation system that is human-centric and accommodates physical human vulnerabilities.

**Responsibility is Shared:** All stakeholders—including government at all levels, industry, non-profit/advocacy, researchers, and the general public—are vital to preventing fatalities and serious injuries on our roadways.

**Safety is Proactive:** Proactive tools should be used to identify and address safety issues in the transportation system, rather than waiting for crashes to occur and reacting afterwards.

**Redundancy is Crucial:** Reducing risks requires that all parts of the transportation system be strengthened, so that if one part fails, the other parts still protect people.





## Objectives of a Safe System Approach

Implementation of the National Roadway Safety Strategy will be arranged around five complementary objectives corresponding to the Safe System Approach elements:



**Safer People:** Encourage safe, responsible driving and behavior by people who use our roads and create conditions that prioritize their ability to reach their destination unharmed.



**Safer Roads:** Design roadway environments to mitigate human mistakes and account for injury tolerances, to encourage safer behaviors, and to facilitate safe travel by the most vulnerable users.



**Safer Vehicles:** Expand the availability of vehicle systems and features that help to prevent crashes and minimize the impact of crashes on both occupants and non-occupants.



**Safer Speeds:** Promote safer speeds in all roadway environments through a combination of thoughtful, equitable, context-appropriate roadway design, appropriate speed-limit setting, targeted education, outreach campaigns, and enforcement.



**Post-Crash Care:** Enhance the survivability of crashes through expedient access to emergency medical care, while creating a safe working environment for vital first responders and preventing secondary crashes through robust traffic incident management practices.

*Source for information on pages 1-3 and 1-4: Federal Highway Administration*

## CHAPTER 2: OVERVIEW OF SAFETY PERFORMANCE

### VRU Fatalities and Suspected Serious Injuries

Pennsylvania's yearly number of fatalities and suspected serious injuries (FSSI) for VRUs are shown in Figure 2-1. They exhibited an upward trend from 2015 to 2019. In 2015, there were 474 FSSIs, comprised of 151 fatalities and 323 suspected serious injuries (SSI). The following years saw a gradual but steady rise. FSSIs rose to 698 in 2016 and again to 705 in 2017. The highest FSSI total during this period occurred in 2018 with 785 FSSIs, consisting of 219 fatalities and 566 SSIs. Despite a decrease in fatalities in 2019, total FSSIs remained steady at 779. Data for 2020 was not analyzed due to the COVID-19 pandemic having a substantial impact on travel patterns through Pennsylvania.

The subsequent year, 2021, shows a slight decrease in total FSSIs to 632. While this decrease may be considered a positive development, regression to the mean suggests that this reduction may not reflect the beginning of a long-term trend. Therefore, it is vital to address the overarching concern regarding the substantial increase in total VRU FSSIs from 2015 to 2019. This pattern underscores the pressing need for comprehensive safety measures and initiatives aimed at protecting VRUs on Pennsylvania roads.

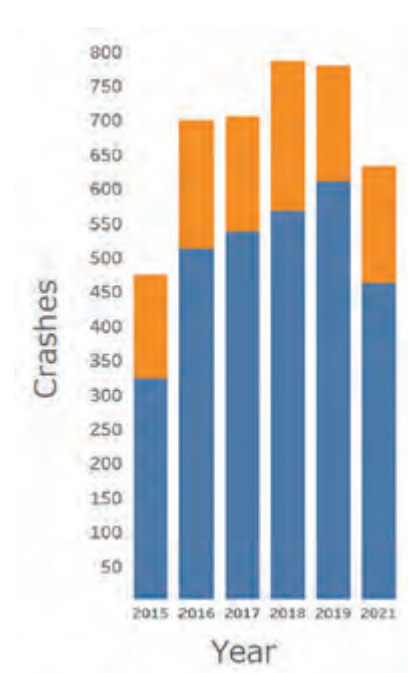


Figure 2-1. VRU Fatality and SSI Crashes per Year

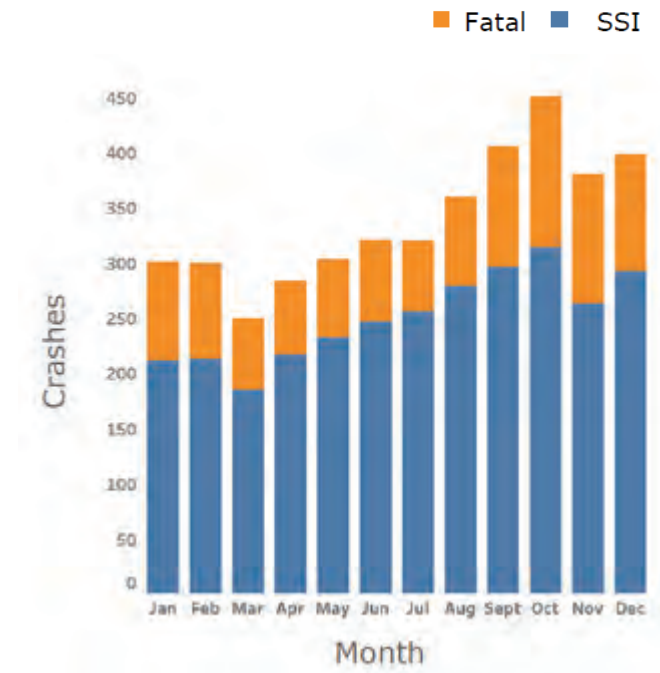
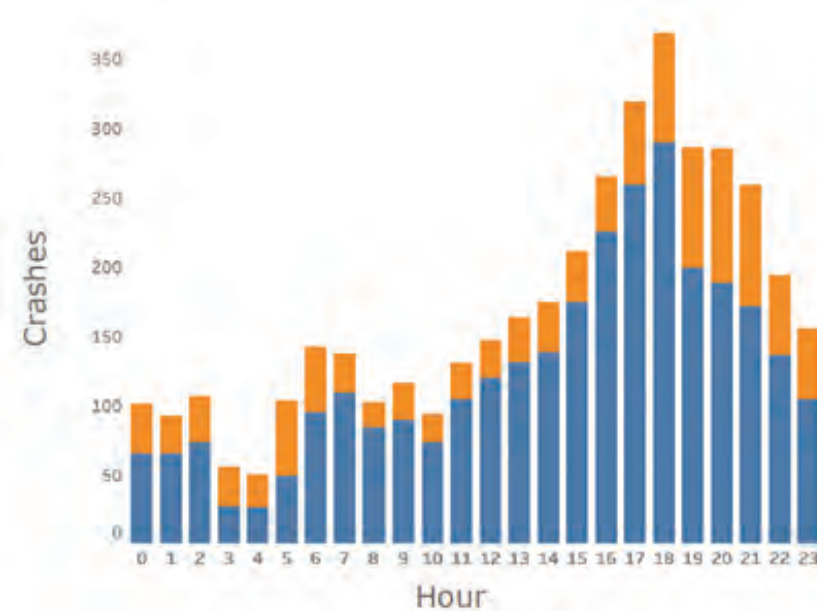


Figure 2-2. VRU Fatality and SSI Crashes per Month

Figure 2-2 shows crashes by month. VRU FSSI totals follow a distinct seasonal pattern. The winter and spring months exhibit the lowest numbers of FSSIs. August through December, by contrast, have comparatively high numbers of FSSIs. Over the analysis period, there were more FSSI crashes in October (451, including 137 fatalities and 314 SSIs) than any other month.



**Figure 2-3. VRU Fatality and SSI Crashes per Hour**

Figure 2-3 shows distinct fluctuations in VRU FSSI crashes throughout the day. In the early hours of the morning, between 12 am and 5am, the numbers remain relatively small. This period is marked by reduced traffic and fewer VRUs on the road, contributing to lower crash totals.

As the day progresses, FSSI crashes begin to rise steadily. The morning hours, which involve the peak hours from 6 am to 9 am, show a gradual increase in FSSIs, with a high of 142 incidents (47 fatalities and 95 SSIs) at 6 am. This corresponds to the beginning of the morning peak hour for motor vehicle traffic in much of Pennsylvania.

The afternoon, particularly from 3 pm to 6 pm, sees a substantial increase in total incidents, reaching its highest point at 6 pm with 319 FSSI crashes, which includes 79 fatalities and 289 SSIs. This spike in FSSIs corresponds to the beginning of the afternoon peak hour for motor vehicle traffic. It is also the time when the school day and work day end, likely increasing the number of VRUs on the network. The evening hours from 7 pm to 10 pm maintain a relatively high level of FSSI crashes but decline thereafter.

The seasonal and daily risk profile of VRUs outlines the need for tailored strategies to increase safety. It is imperative to focus on initiatives that mitigate risks for VRUs during the higher FSSI periods to address overall safety trends for all road users in Pennsylvania.



## Safety Performance

Over the study period from 2015 to 2019 plus 2021, VRUs were involved in 4% of all crashes in Pennsylvania. In contrast, VRUs were significantly overrepresented in fatal crashes, accounting for about 15% of all fatalities. This comparison highlights a concerning disparity: while VRU crashes make up a relatively small percentage of crashes, they make up a much larger percentage of fatal crashes. The disparity underscores the heightened vulnerability of pedestrians and cyclists on the road, indicating the need for targeted safety measures and interventions to reduce the risk and severity of crashes involving VRUs.

## The Strategic Highway Safety Plan

Pennsylvania's 2022 Strategic Highway Safety Plan (SHSP) is a comprehensive, data-driven plan aimed at significantly reducing traffic-related fatalities and serious injuries on the state's roadways. Building upon the successes of previous versions, the SHSP prioritizes specific areas of concern to improve safety for all road users, with a particular emphasis on VRUs. It incorporates several key themes, including enhancing highway safety, promoting active transportation, embracing the Safe System Approach, and ensuring transportation equity. The plan recognizes both the diverse nature of road users and the multitude of factors contributing to crashes. It evaluates current performance, identifies areas of concern, and develops intervention strategies in the pursuit of zero deaths on Pennsylvania roadways.

The SHSP outlines eighteen safety focus areas of which three are *Priority Emphasis Areas* which hold the greatest potential for reducing fatalities and serious injury. In the context of VRU safety improvement, "Pedestrian Safety" is identified as a *Priority Emphasis Area*, while "Bicyclist Safety" is categorized as a *Safety Focus Area*.

Recognizing walking as a fundamental mode of transportation used by people of all ages and abilities, the plan underscores the increasing pedestrian activity across various contexts, from urban to rural areas. It emphasizes the need to integrate active transportation into every stage of planning, from project development to design, construction, and operations and maintenance. One out of every eight highway fatalities in Pennsylvania involves pedestrians, highlighting the urgency of addressing pedestrian safety. The SHSP places a strong emphasis on providing safe, reliable, cost-effective, and convenient facilities for pedestrians to ensure that users can access community destinations safely. Strategies for achieving this goal encompass infrastructure improvements, data-driven approaches, the implementation of a safe system approach, the integrations of new technologies, legislative changes, and the development of safety education and outreach materials for all modes of travel.

Similar strategies are presented for improving bicyclist safety. As a vital component of VRU safety, the SHSP aims to ensure predictable and safe interactions between bicyclists and other road users. While transportation options such as e-bikes and electric scooters are not considered VRUs based on the Federal guidance for VRU Safety Assessments, infrastructure improvements for conventional cycling will likely address safety concerns for these modes of travel as well. Alongside these improvements, technological advancements, enhancements to the planning and design process, legislative changes, and comprehensive safety education and outreach efforts are identified as strategies to reduce the risk faced by cyclists.

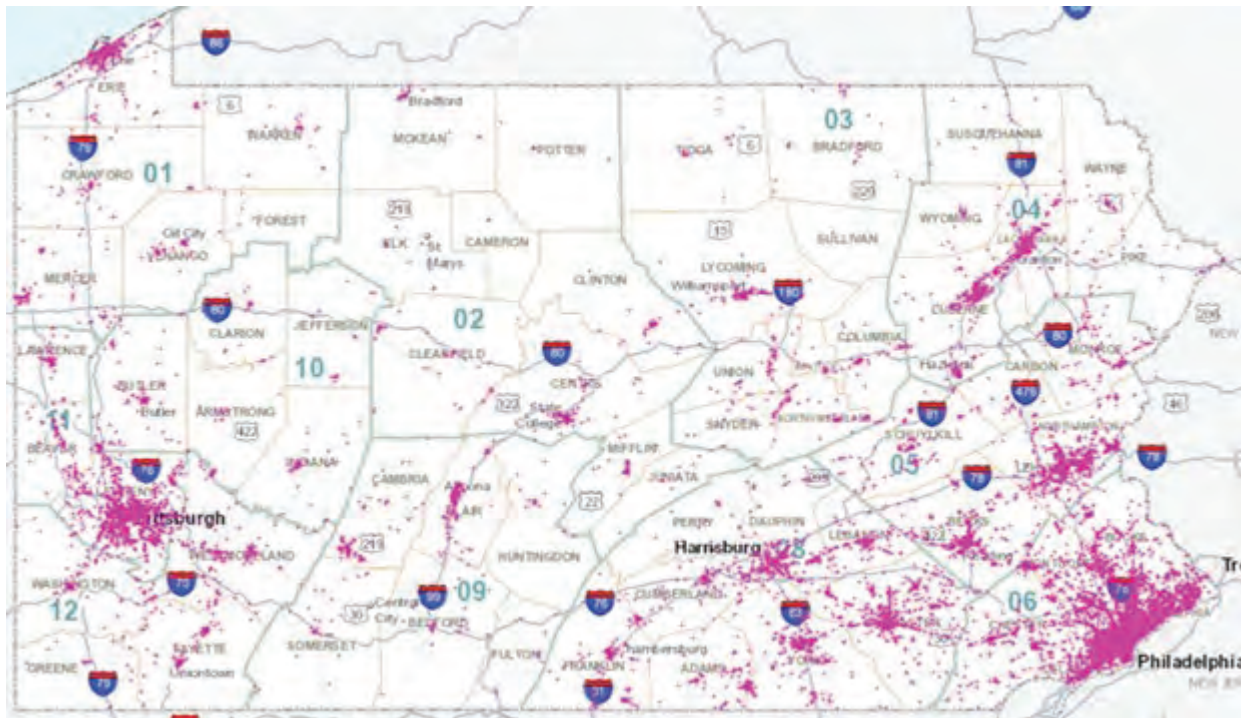
The SHSP recognizes that VRU safety is a multifaceted challenge that requires a comprehensive approach. By addressing the unique needs and challenges faced by pedestrians and bicyclists, Pennsylvania aims to reduce crashes and improve the safety of these VRUs throughout the state.

## Trends by User Type

To effectively address VRU crashes and develop targeted interventions, it is crucial to disaggregate trends observed for recent years (2015-2019 plus 2021). By examining the specific factors contributing to VRU crashes and identifying notable patterns or changes over time, PennDOT and local agencies can tailor their strategies to enhance VRU safety and reduce crashes on Pennsylvania roads.

### Crashes by Population

As illustrated in Figure 2-4, VRU crashes are most prevalent in regions with the highest population density. During the observed time frame, Pennsylvania witnessed 28,534 VRU crashes, with 95% of them taking place in urban areas. Urban areas are defined by their dense development and diverse land uses, making them hubs for both motorized and non-motorized travel. Furthermore, urban areas also exhibit the highest number of fatal or suspected serious injury (FSSI) VRU crashes, accounting for 91% of such incidents.



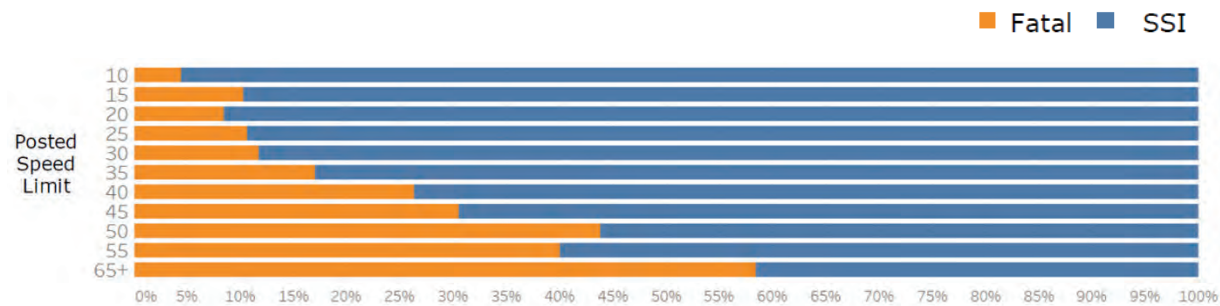
**Figure 2-4. VRU Crash Distribution**

## Crash Severity by Posted Speed Limit

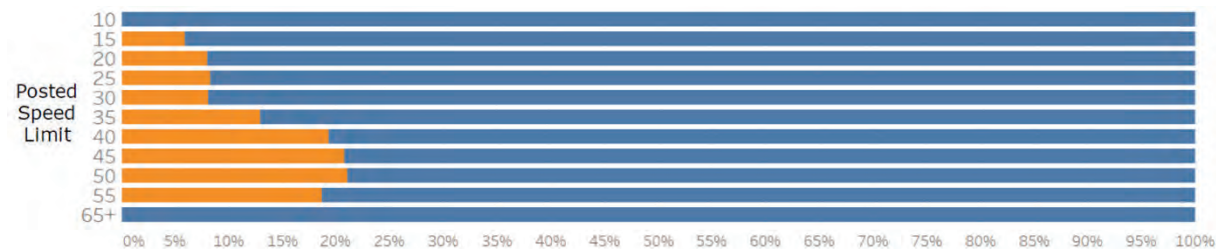
Several studies across the globe established a correlation between vehicle speed and the heightened likelihood of fatalities or serious injuries affecting pedestrians and bicyclists. As the posted speed limit on a roadway increase, the corresponding risk of injury or death to VRUs in a crash increases as well. Within the context of Pennsylvania, this observable trend holds true, with both pedestrian and bicyclist FSSI totals exhibiting notable upward trends in tandem with posted speed.

For pedestrians, as shown in Figure 2-5, there is a stark pattern of increasing FSSI crash rates as speed limits rise. At lower speeds, between 10 and 30 miles per hour (mph), the percentage of FSSI crashes is relatively low, ranging from 4% to 12%. As speed limits increase to 35 mph and beyond, there is a noticeable surge in FSSI crash percentages, which peak at 58% for speed limits of 65 mph and higher.

The FSSI totals for bicyclists follow a similar pattern as illustrated in Figure 2-6. The percentage of FSSI crashes is relatively low at lower speeds, between 10 mph and 30 mph. At these speeds FSSI rates range from 0% to 8%. The risk for bicyclists increases at 35 mph and thereafter, peaking at 21% FSSI crash rates at both 45 mph and 50 mph.



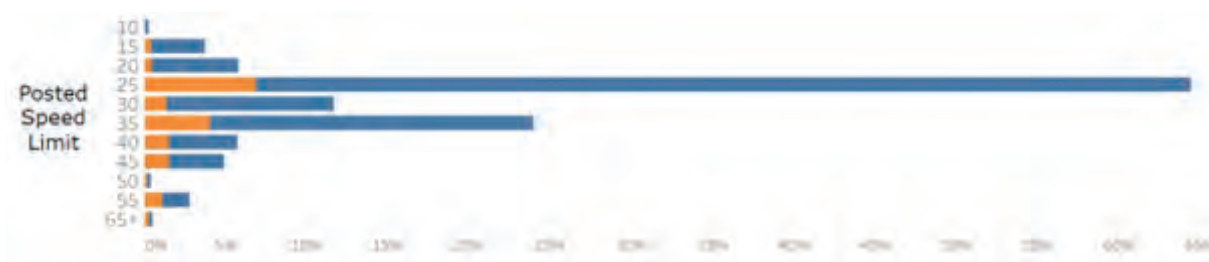
**Figure 2-5. Percent of Pedestrian Crashes Resulting in FSSI per Posted Speed Limit**



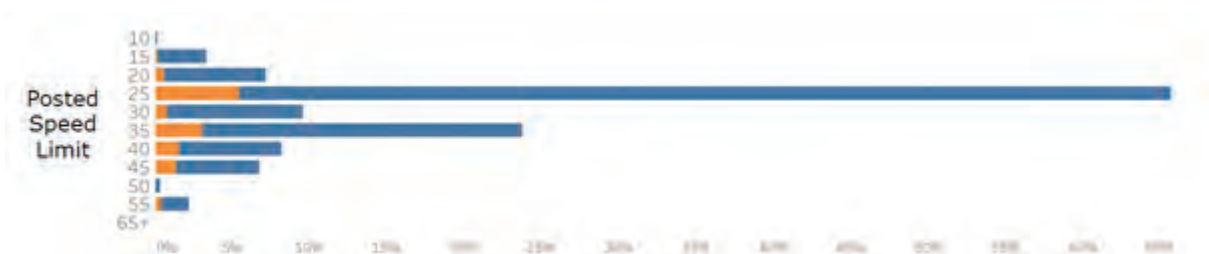
**Figure 2-6. Percent of Bicyclist Crashes Resulting in FSSI per Posted Speed Limit**



While vehicle speed plays a pivotal role in VRU safety, it is important to note that speed is not the sole determinant. Although VRUs experience the highest risk of FSSI in crashes with speeds exceeding 35 mph, most VRU crashes occur at speeds of 25 mph as shown in Figures 2-7 and 2-8. Specifically, 64% of all pedestrian crashes and 66% of all bicyclist crashes occur on roadways with a 25 mph limit. These roadways typically witness the highest volume of vehicle-VRU interaction, resulting in disproportionately higher number of crashes. Thus, it is evident that achieving an effective speed management plan and handling traffic volume is essential when devising targeted safety improvements for VRUs on these lower-speed roadways.



**Figure 2-7. Percent of Pedestrian Crashes (Total & FSSI) per Posted Speed Limit**




**Figure 2-8. Percent of Bicyclist Crashes (Total & FSSI) per Posted Speed Limit**

## Crashes by Collision Scenario

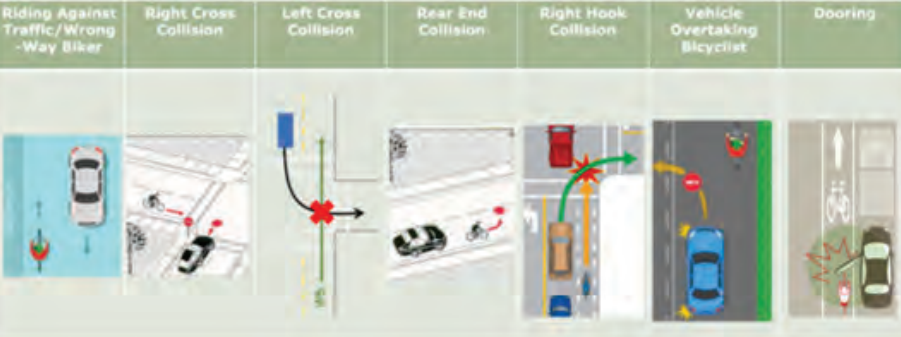
Vehicle-pedestrian crashes vary in type with each presenting a distinct level of risk to pedestrians as illustrated in Figure 2-9. Among these, straight-line crashes pose the highest risk, accounting for 46% of all crashes, with 57% of them resulting in FSSI. Left-turning vehicles are involved in 23% of crashes, with 11% of these leading to FSSI. While parallel and right-turn crashes constitute 7% each, the risk of FSSI in parallel crashes is high at 10%. The figure excludes other types of crashes including criminal malicious, improper driver dismount, improper passenger dismount entrance, parking lot, and “other.”

The data suggests that pedestrians are at the highest risk while crossing and walking along roadways.

Percent of Crashes	46%	7%	23%	7%	2%	3%	2%
% of FSSI Crashes	(57%)	(10%)	(11%)	(2%)	(4%)	(2%)	(1%)
Collision Scenario							

**Figure 2-9. Vehicle-Pedestrian Collision Scenarios**

Vehicle-bicyclist crashes also vary in type and rate of occurrence as shown in Figure 2-10. Right-cross crashes occur most frequently, representing 44% of all crashes. In addition, they carry the highest rate of FSSI at 38%. Left cross crashes account for 15% of bicycle crashes, with 14% of them leading to FSSI. Rear-end collisions represent 7% of crashes, and notably, 14% of them result in FSSI. The figure excludes crashes categorized as “other.”

Percent of Crashes	9%	44%	15%	7%	6%	9%	1%
% of FSSI Crashes	(7%)	(38%)	(14%)	(14%)	(3%)	(11%)	(0%)
Collision Scenario							

**Figure 2-10. Vehicle-Bicyclist Collision Scenarios**

## Crashes by Weather and Lighting

Although speed limit and traffic volume are key contributors in VRU crash and FSSI rates, other contributing factors exist. Figure 2-11 details the impact of roadway location, road conditions, and lighting conditions on VRU safety. As noted in Figure 3, VRUs face a heightened risk while traveling in later hours of the day, particularly at night. Figure 11 shows that while less VRU crashes are occurring past daylight hours, the likelihood of those crashes resulting in FSSI is increased during that time. 38% of pedestrian crashes transpire in the dark but 54% of FSSI. Likewise, only 21% of all bicyclist crashes happen in the dark but 27% of FSSI. In addition, low light road conditions also lead to an increased rate of FSSI, particularly for pedestrians.

Despite a higher incidence of crashes occurring at intersections for both pedestrians (54%) and cyclists (65%), the majority of FSSI transpire in midblock areas. For pedestrians, although only 46% of crashes occur between intersections, 65% of FSSI happen in this area. Cyclists similarly experience a discrepancy, with 35% of crashes at midblock locations leading to 48% FSSI. These statistics highlight the importance of focusing on safety measures not only at intersections but also along the stretches between them. Addressing this discrepancy is essential for creating safer road environments and protecting VRUs.

Roadway Location		Road Conditions		Lighting Conditions	
<b>Midblock</b>		<b>Dry Roads</b>		<b>Daylight</b>	
Pedestrians	Cyclists	Pedestrians	Cyclists	Pedestrians	60% (42%)
46% (65%)	35% (48%)	80% (79%)	90% (91%)	Cyclists	75% (70%)
<b>Intersection</b>		<b>Clear Weather</b>		<b>Dusk/Dawn</b>	
Pedestrians	Cyclists	Pedestrians	Cyclists	Pedestrians	4% (4%)
54% (35%)	65% (52%)	82% (70%)	91% (71%)	Cyclists	4% (3%)
		<b>Low Light Conditions</b>		<b>Dark</b>	
		Pedestrians	Cyclists	Pedestrians	8% (18%)
		40% (58%)	25% (30%)	Cyclists	4% (11%)
				<b>Dark (With Streetlights)</b>	
				Pedestrians	28% (36%)
				Cyclists	17% (16%)

Figure 2-11. Other VRU Crash Factors

## Regional Safety Performance

It is also useful to understand safety performance by region in Pennsylvania, ascertaining which regions mirror statewide safety trends and which reflect local differences.

Chapter 5, Summary of Consultation, describes groupings of one, two, or three Planning Partners (metropolitan planning organizations and rural planning organizations) for which consultation meetings were held as part of developing this VRU Safety Assessment. Safety performance for 2015-2019 plus 2021 for these groupings, or regions, is summarized on the following pages.



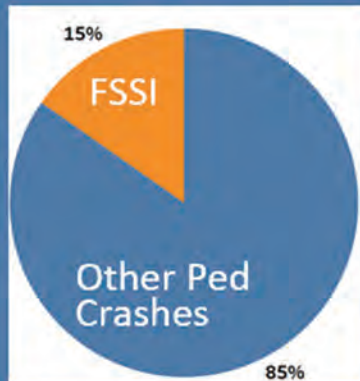
Vulnerable  
Road User

# CRASH FACTS

## Statewide Overview



### Pedestrians



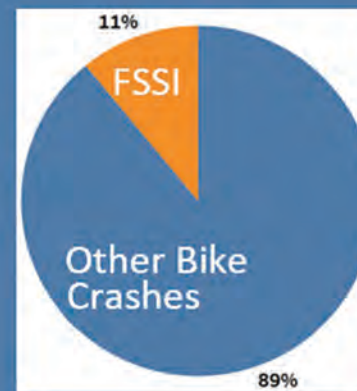
Total crashes = 23639

Total fatalities = 1021

Total SSI = 2835



### Bicyclists



Total crashes = 6470

Total fatalities = 112

Total SSI = 548

*Between 2015 and 2021 (excluding 2020), VRU crashes represented 3.8% of all traffic crashes, but accounted for 15.4% of all traffic crash fatalities.*

### Roadway Location

Midblock	
Pedestrians	Cyclists
46% (65%)	35% (48%)
Intersection	
Pedestrians	Cyclists
54% (35%)	65% (52%)

### Road Conditions

Dry Roads	
Pedestrians	Cyclists
80% (79%)	90% (91%)
Clear Weather	
Pedestrians	Cyclists
82% (70%)	91% (71%)
Low Light Conditions	
Pedestrians	Cyclists
40% (58%)	25% (30%)

### Lighting Conditions

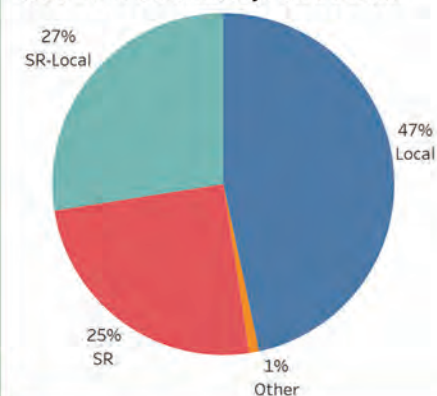
Daylight	
Pedestrians	60% (42%)
Cyclists	75% (70%)
Dusk/Dawn	
Pedestrians	4% (4%)
Cyclists	4% (3%)
Dark	
Pedestrians	8% (18%)
Cyclists	4% (11%)
Dark (With Streetlights)	
Pedestrians	28% (36%)
Cyclists	17% (16%)

% Crash (% FSSI)

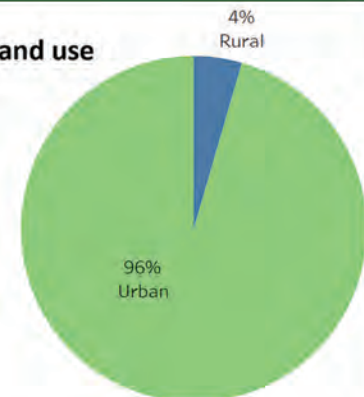
### Posted Speed Limit

- 45% of crashes occurred on roads signed for 25 mph
- Crash severity increases with speed

### Total VRU crashes by road owner

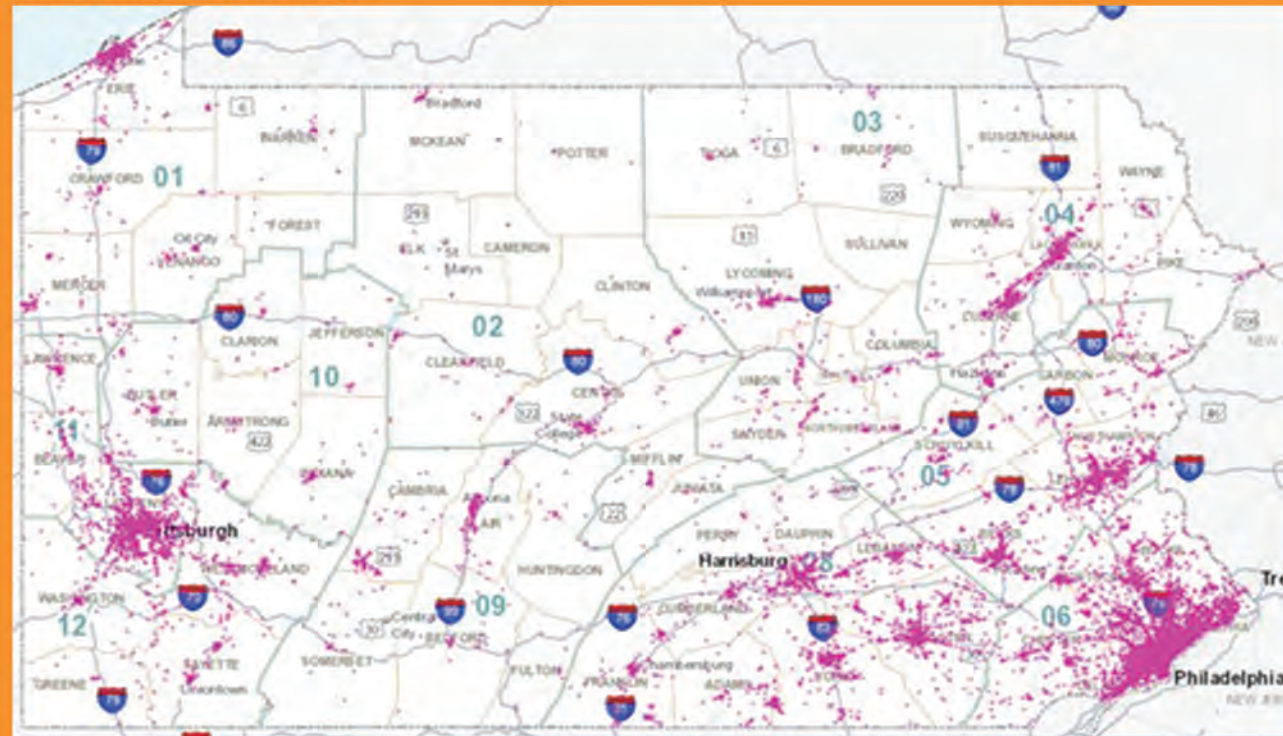


### Land use





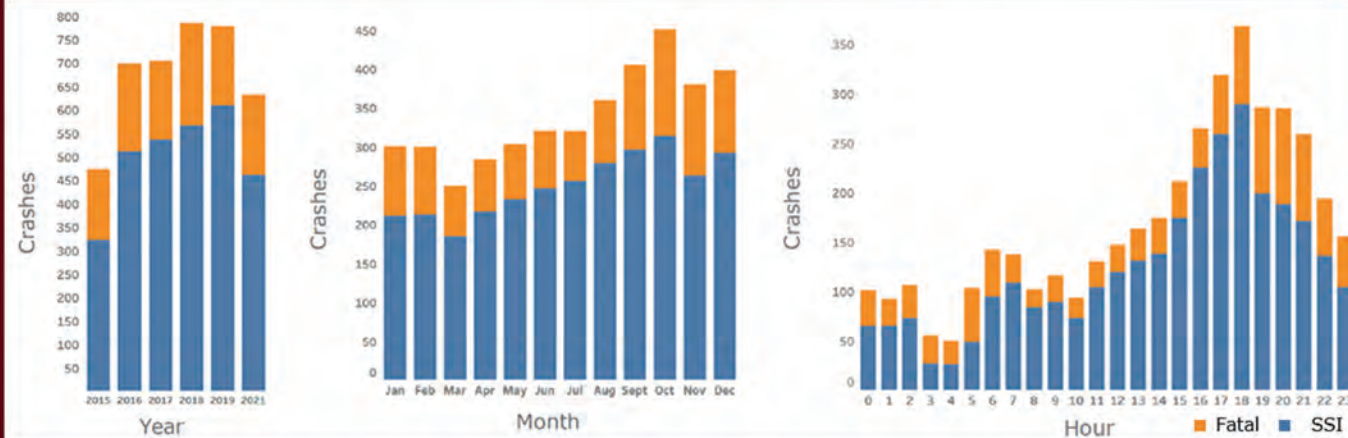
## Where Did Crashes Occur?



**VRU crashes occur most where there is the greatest population density.**

## When Did Crashes Occur?

- Crashes have been climbing each year
- Crashes increase in September and October
- 55% of crashes occur 3 PM and midnight



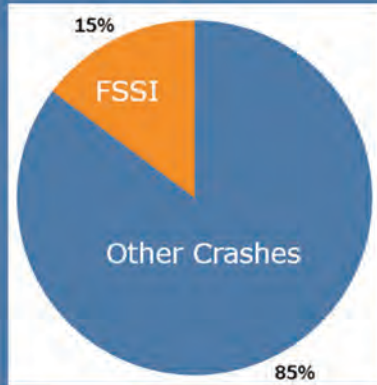


Vulnerable  
Road User

# CRASH FACTS

## Berks County - RATS

### Pedestrians



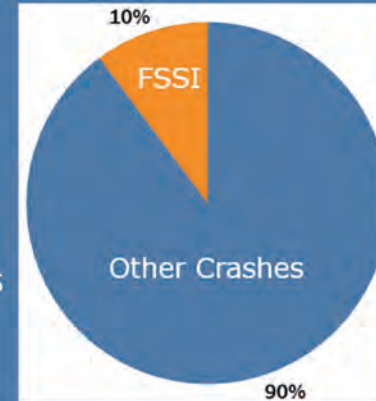
Total crashes = 820

Total fatalities = 53

Total SSI = 232

1 in 6 pedestrians hit by motorists were killed or severely injured

### Bicyclists



Total crashes = 157

Total fatalities = 7

Total SSI = 30

1 in 10 bicyclists hit by motorists were killed or severely injured

*There is a similar % of FSSI VRU crashes here as compared to statewide*

### Roadway Location

#### Midblock

Pedestrians	Cyclists
51% (70%)	32% (50%)

#### Intersection

Pedestrians	Cyclists
49% (30%)	68% (50%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
82% (79%)	90% (94%)

#### Clear Weather

Pedestrians	Cyclists
72% (68%)	80% (75%)

#### Low Light Conditions

Pedestrians	Cyclists
35% (56%)	23% (38%)

### Lighting Conditions

#### Daylight

Pedestrians	65% (44%)
Cyclists	77% (63%)

#### Dusk/Dawn

Pedestrians	4% (6%)
Cyclists	5% (13%)

#### Dark

Pedestrians	9% (19%)
Cyclists	4% (0%)

#### Dark (With Streetlights)

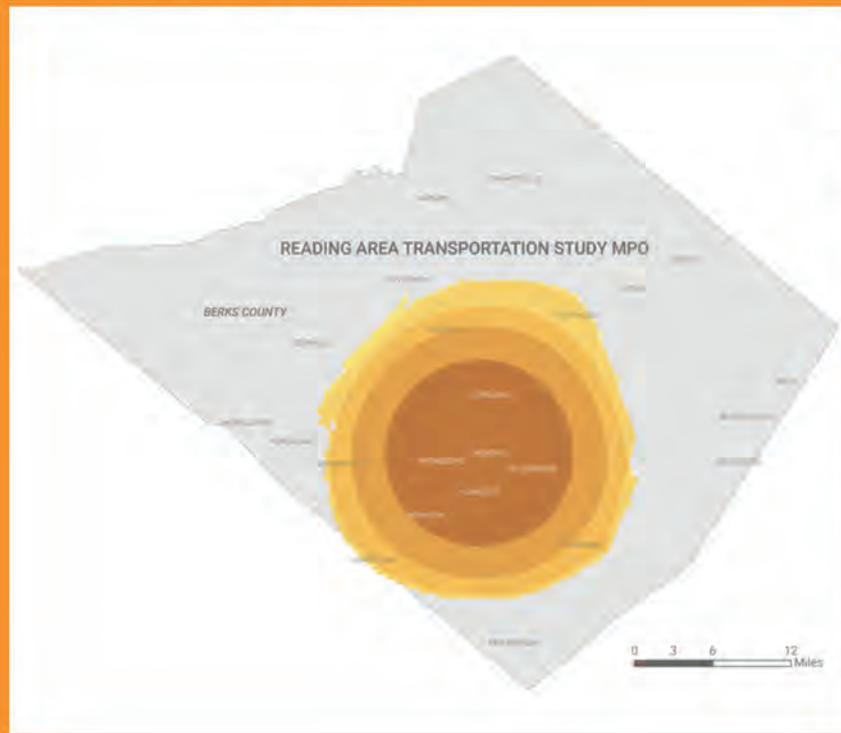
Pedestrians	23% (31%)
Cyclists	14% (25%)

### Berks County Roadway Location and Environment

- Most pedestrian FSSI occur midblock.
- Bicycle FSSI are evenly split between midblock and intersections
- Most VRU crashes occur in clear weather and on dry roads.
- Ped FSSI is higher in low light conditions.
- Low Light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

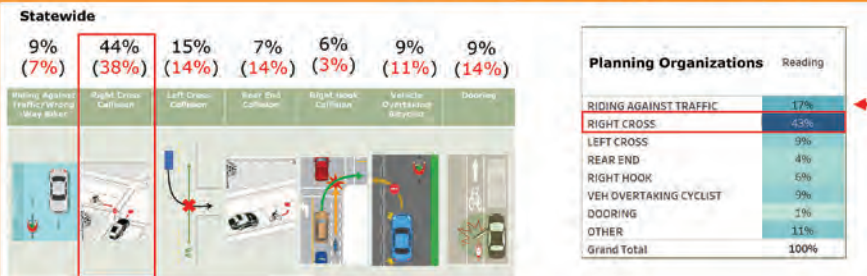


## Where Did Crashes Occur?

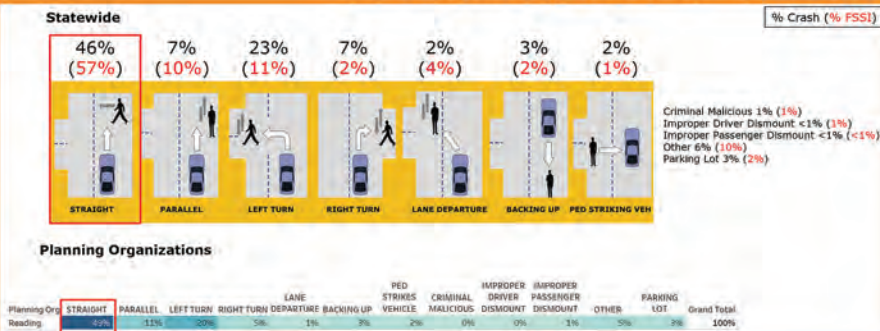


## Common collision scenarios

### Common vehicle-bicycle collision scenarios



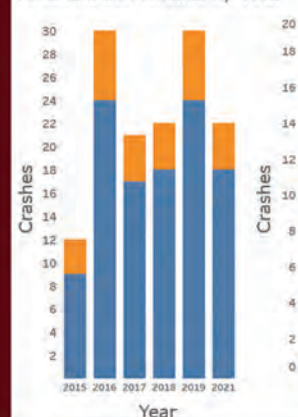
### Common vehicle-pedestrian collision scenarios



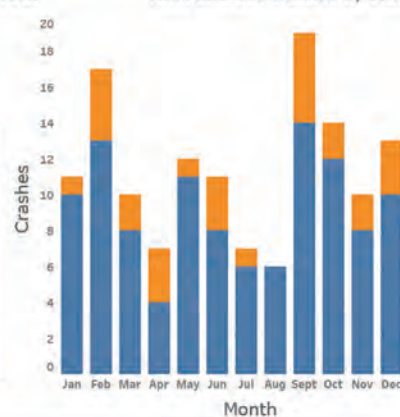
## When Did Crashes Occur?

- VRU crashes have been generally climbing each year with a high count in 2016
- VRU crashes generally occur more randomly throughout the year, with spikes in February and September
- VRU crashes occur later in the day, peaking at 4 and 7 pm

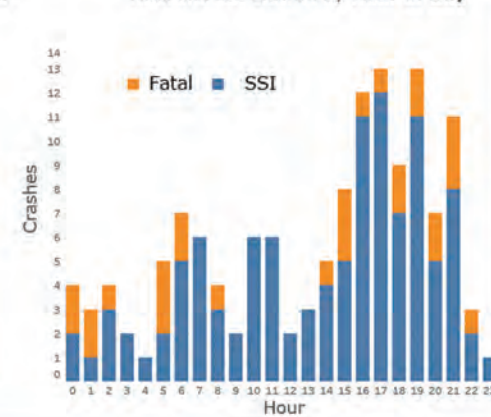
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day



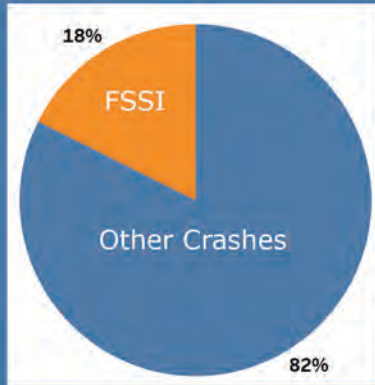


Vulnerable  
Road User

# CRASH FACTS

## Erie, Mercer, Northwest

### Pedestrians



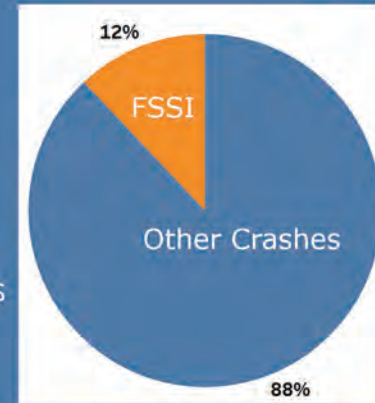
Total crashes = 454

Total fatalities = 50

Total SSI = 144

1 in 6 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 208

Total fatalities = 13

Total SSI = 44

1 in 8 bicyclists hit by motorists  
were killed or severely injured

Statewide : Ped - 15%; Bike 11% FSSI. FSSI slightly higher than statewide avg.

### Roadway Location

#### Midblock

Pedestrians	Cyclists
49% ( <b>58%</b> )	33% ( <b>48%</b> )

#### Intersection

Pedestrians	Cyclists
51% ( <b>43%</b> )	67% ( <b>52%</b> )

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
76% ( <b>78%</b> )	90% ( <b>84%</b> )

#### Clear Weather

Pedestrians	Cyclists
72% ( <b>71%</b> )	76% ( <b>68%</b> )

#### Low Light Conditions

Pedestrians	Cyclists
38% ( <b>54%</b> )	21% ( <b>32%</b> )

### Lighting Conditions

#### Daylight

Pedestrians 62% ( <b>46%</b> )
Cyclists 79% ( <b>68%</b> )

#### Dusk/Dawn

Pedestrians 4% ( <b>8%</b> )
Cyclists 0% ( <b>0%</b> )

#### Dark

Pedestrians 8% ( <b>15%</b> )
Cyclists 3% ( <b>8%</b> )

#### Dark (With Streetlights)

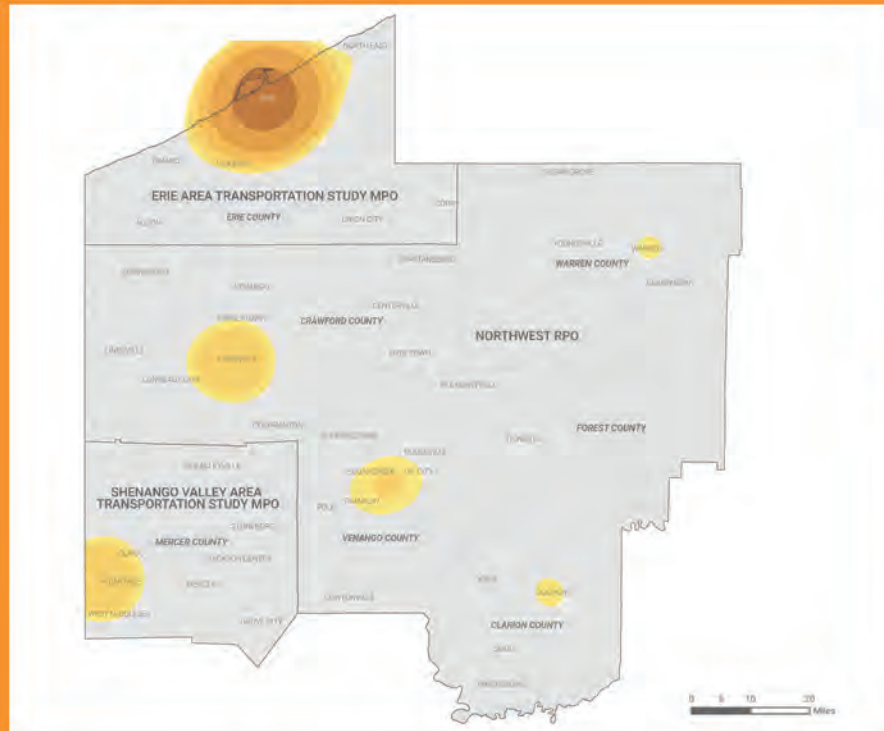
Pedestrians 26% ( <b>31%</b> )
Cyclists 18% ( <b>24%</b> )

### Erie County Roadway Location and Environment

- Consistent with statewide trends, Pedestrian FSSI is higher at midblock and cyclist crashes and FSSI occur at intersections.
- Consistent with statewide trends, VRU crashes occur in clear weather, on dry roads, and in daylight.
- Low Light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

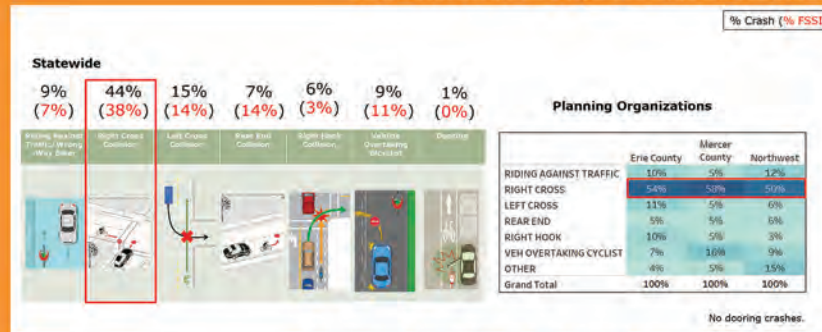


## Where Did Crashes Occur?

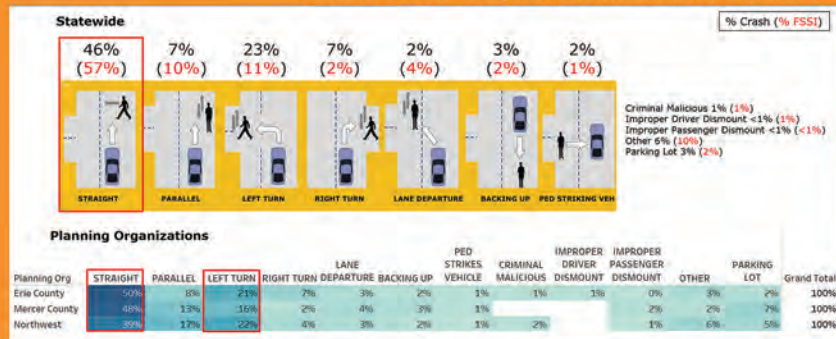


## Common collision scenarios

### Common vehicle-bicycle collision scenarios



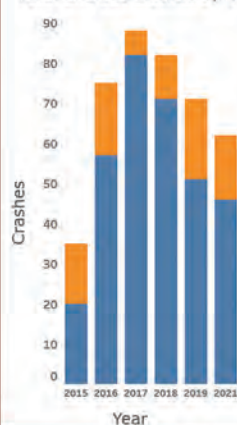
### Common vehicle-pedestrian collision scenarios



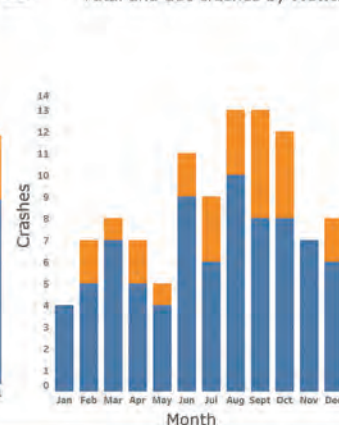
## When Did Crashes Occur?

- VRU crashes have been generally climbing each year with a high count in 2016
- VRU crashes generally occur more randomly throughout the year, peaks in Aug and Sept
- VRU crashes occur later in the day, peaking at 6 and 8 pm

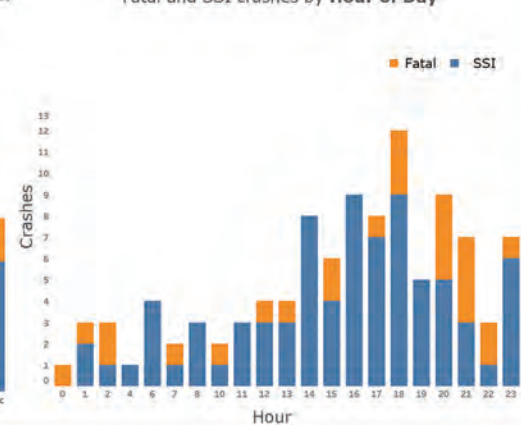
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day



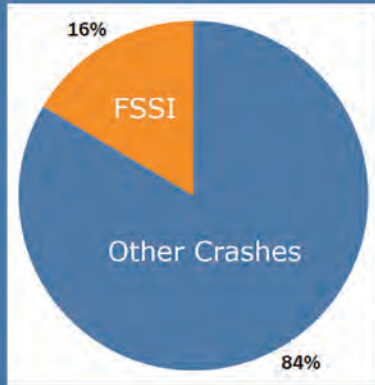


Vulnerable  
Road User

# CRASH FACTS

## Lackawanna Luzerne

### Pedestrians



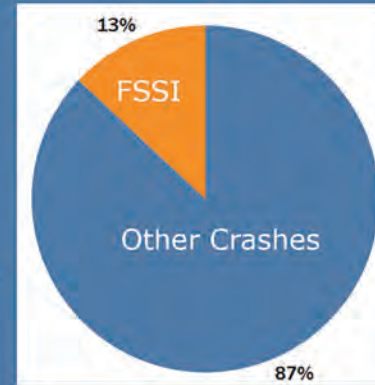
Total crashes = 947

Total fatalities = 118

Total SSI = 268

1 in 6 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 233

Total fatalities = 12

Total SSI = 55

1 in 7 bicyclists hit by motorists  
were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
52% (73%)	26% (45%)

#### Intersection

Pedestrians	Cyclists
48% (27%)	74% (55%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
81% (74%)	91% (93%)

#### Clear Weather

Pedestrians	Cyclists
73% (66%)	80% (62%)

#### Low Light Conditions

Pedestrians	Cyclists
38% (56%)	20% (31%)

### Lighting Conditions

#### Daylight

Pedestrians 62% (44%)
Cyclists 80% (69%)

#### Dusk/Dawn

Pedestrians 3% (4%)
Cyclists 4% (3%)

#### Dark

Pedestrians 7% (13%)
Cyclists 3% (7%)

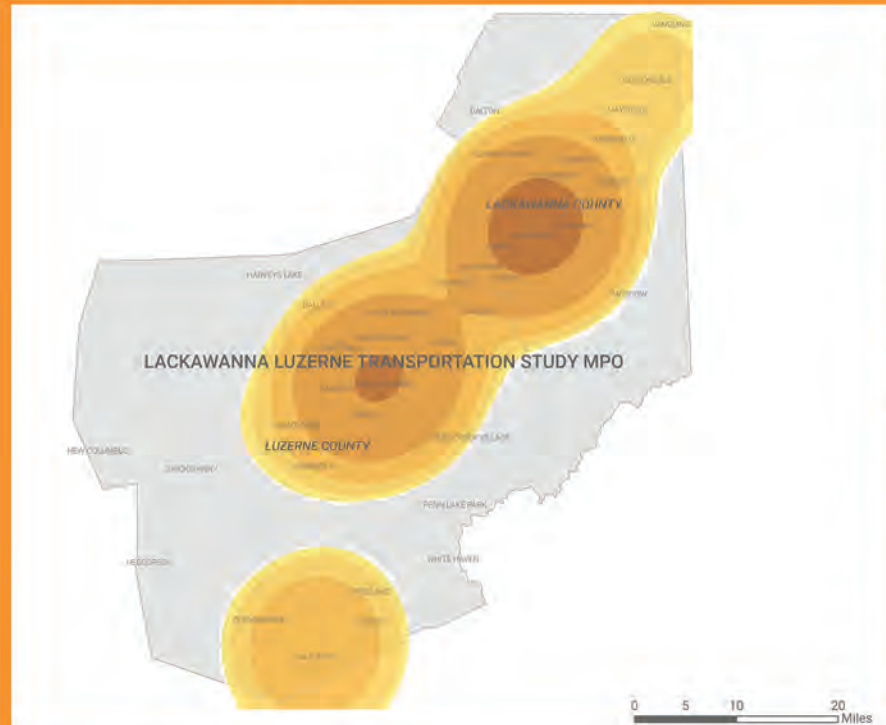
#### Dark (With Streetlights)

Pedestrians 28% (38%)
Cyclists 13% (21%)

### Lackawanna Luzerne Roadway Location and Environment

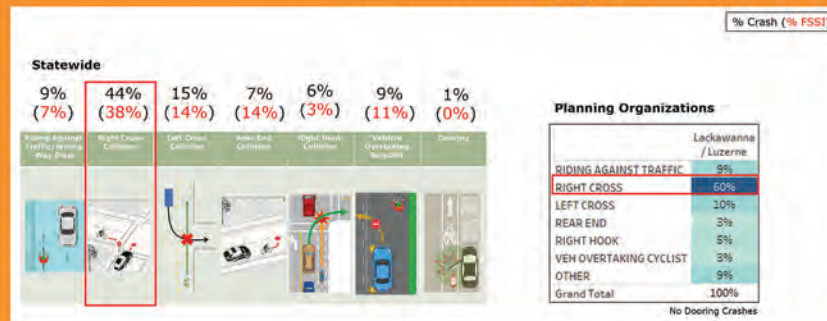


## Where Did Crashes Occur?

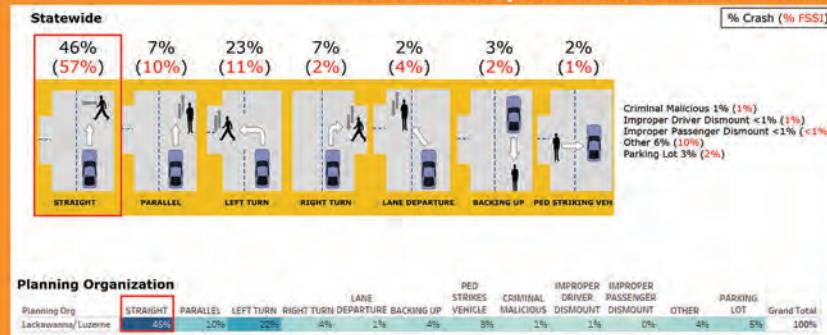


## Common collision scenarios

### Common vehicle-bicycle collision scenarios

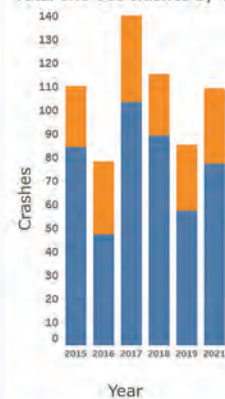


### Common vehicle-pedestrian collision scenarios

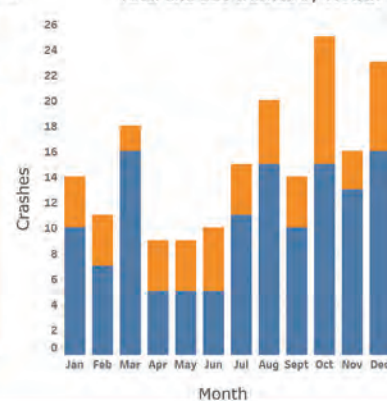


## When Did Crashes Occur?

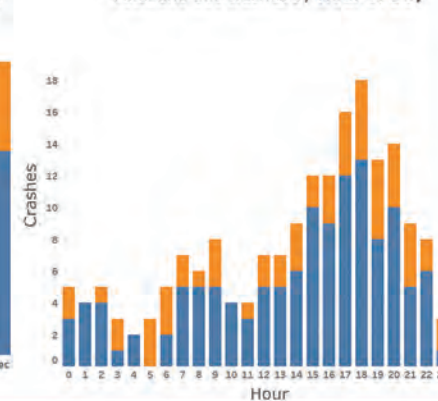
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day



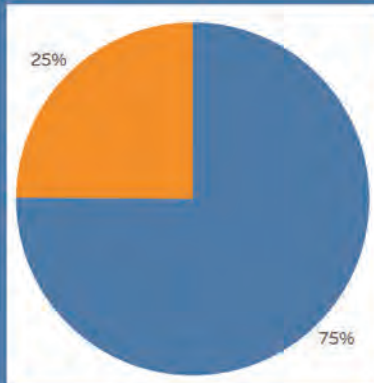


Vulnerable  
Road User

# CRASH FACTS

## Altoona-Cambria-SA

### Pedestrians

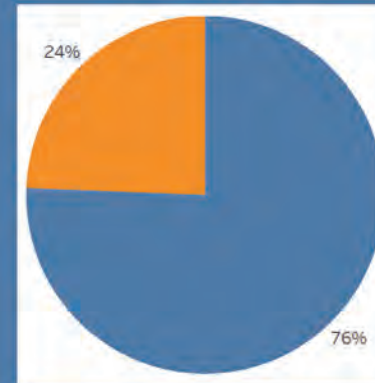


Total crashes = 346

Total fatalities = 54

Total SSI = 168

### Bicyclists



Total crashes = 123

Total fatalities = 10

Total SSI = 61

### Roadway Location

#### Midblock

Pedestrians	Cyclists
63% (72%)	38% (53%)

#### Intersection

Pedestrians	Cyclists
37% (28%)	62% (47%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
79% (78%)	90% (93%)

#### Clear Weather

Pedestrians	Cyclists
72% (69%)	76% (80%)

#### Low Light Conditions

Pedestrians	Cyclists
40% (58%)	25% (30%)

### Lighting Conditions

#### Daylight

Pedestrians 60% (42%)
Cyclists 75% (70%)

#### Dusk/Dawn

Pedestrians 4% (4%)
Cyclists 4% (3%)

#### Dark

Pedestrians 8% (18%)
Cyclists 4% (11%)

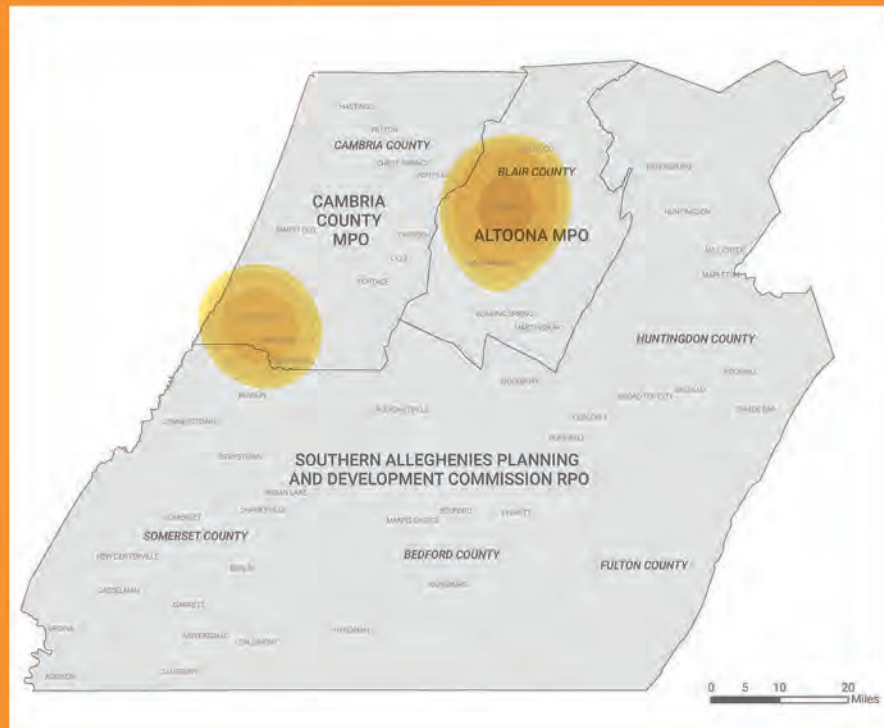
#### Dark (With Streetlights)

Pedestrians 28% (36%)
Cyclists 17% (16%)

### Altoona-Cambria-SA Roadway Location and Environment

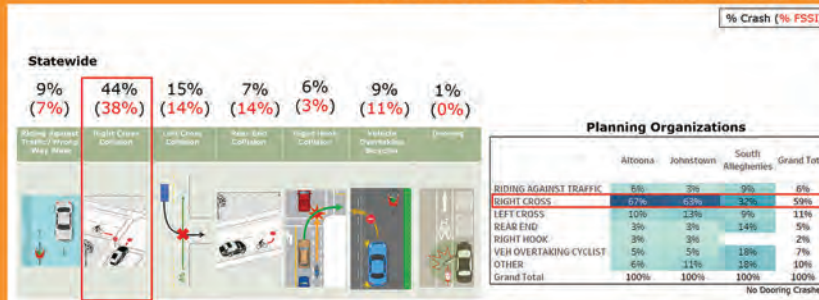


## Where Did Crashes Occur?

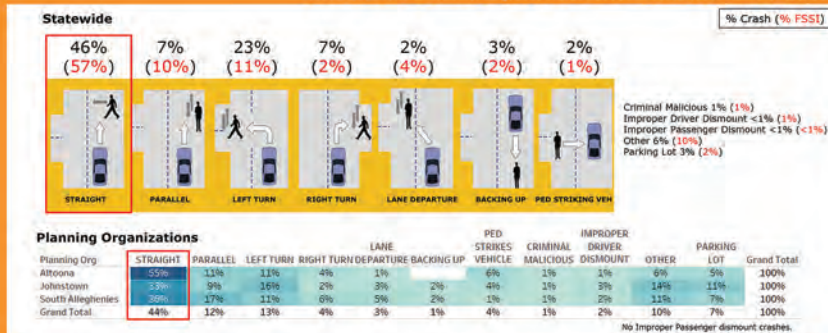


## Common collision scenarios

### Common vehicle-bicycle collision scenarios



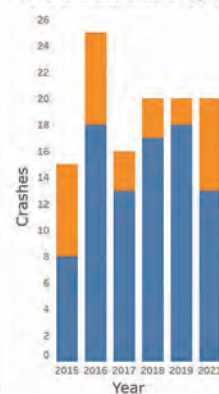
### Common vehicle-pedestrian collision scenarios



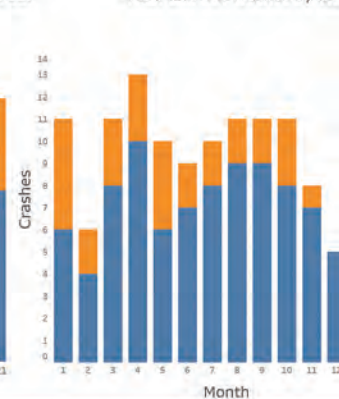
## When Did Crashes Occur?

- VRU crashes have been generally climbing each year
- VRU crashes generally occur more randomly throughout the year
- VRU crashes occur later in the day, peaking at 6 and 7 pm

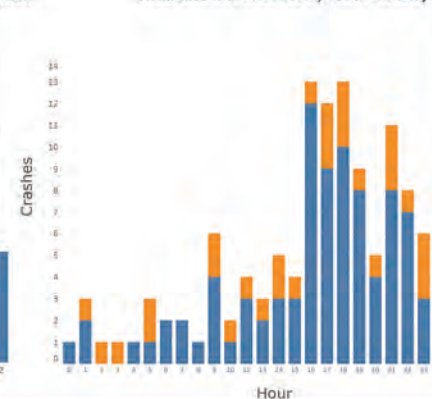
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day



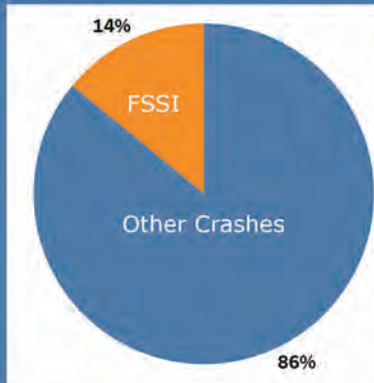


Vulnerable  
Road User

# CRASH FACTS

## Lehigh Valley

### Pedestrians



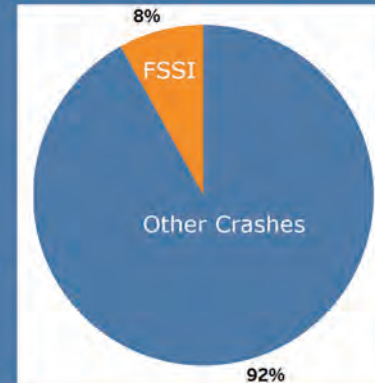
Total crashes = 1332

Total fatalities = 110

Total SSI = 359

1 in 7 pedestrians hit by motorists were killed or severely injured

### Bicyclists



Total crashes = 335

Total fatalities = 8

Total SSI = 64

1 in 14 bicyclists hit by motorists were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
43% (60%)	30% (41%)

#### Intersection

Pedestrians	Cyclists
57% (40%)	70% (59%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
80% (84%)	92% (85%)

#### Clear Weather

Pedestrians	Cyclists
73% (71%)	76% (63%)

#### Low Light Conditions

Pedestrians	Cyclists
41% (66%)	25% (30%)

### Lighting Conditions

#### Daylight

Pedestrians 59% (34%)
Cyclists 75% (70%)

#### Dusk/Dawn

Pedestrians 3% (5%)
Cyclists 5% (4%)

#### Dark

Pedestrians 9% (22%)
Cyclists 5% (19%)

#### Dark (With Streetlights)

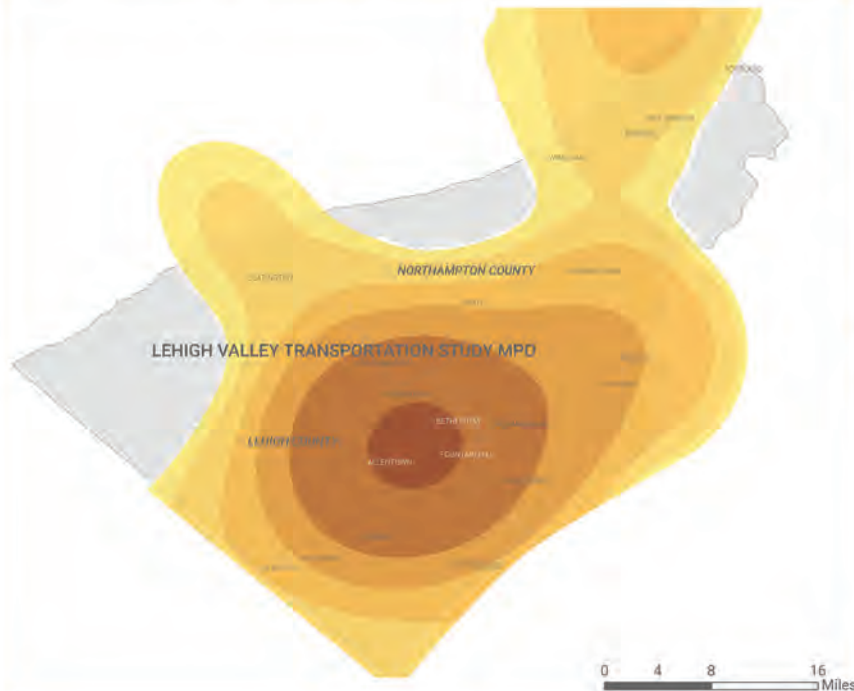
Pedestrians 29% (39%)
Cyclists 15% (7%)

### Lehigh Valley Roadway Location and Environment

- Consistent with statewide trends, Pedestrian FSSI is higher at midblock and cyclist crashes and FSSI occur at intersections.
- Consistent with statewide trends, VRU crashes occur in clear weather, on dry roads, and in daylight.
- Low Light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

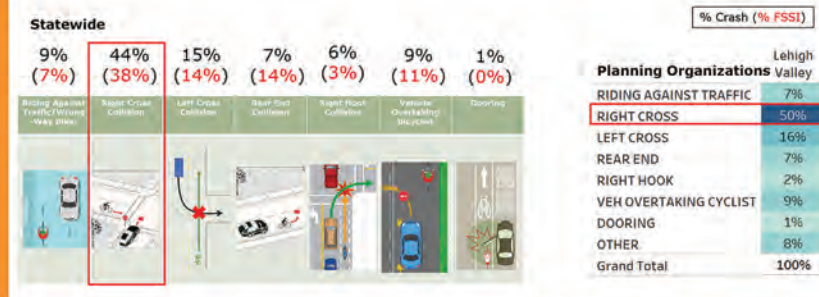


## Where Did Crashes Occur?

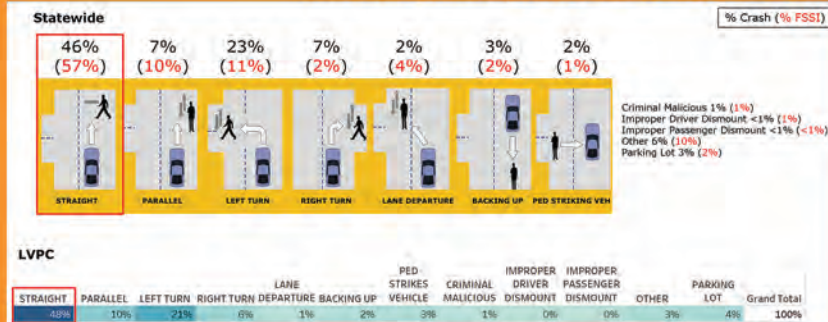


## Common collision scenarios

### Common vehicle-bicycle collision scenarios

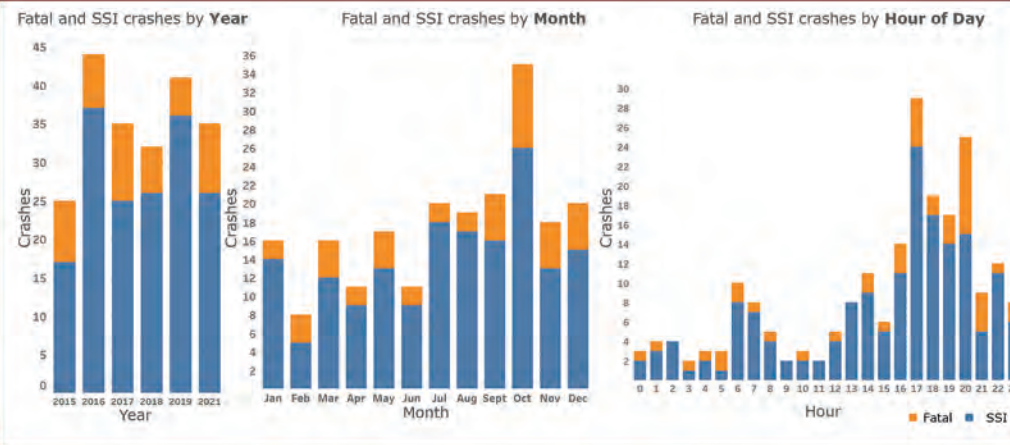


### Common vehicle-pedestrian collision scenarios



## When Did Crashes Occur?

- 2019 had fewer proportion of fatalities than other years. 2017 and 2021 had higher proportion of Fatalities.
- FSSI crashes occur randomly throughout the year, but begin to increase in July and peak in October (consistent with statewide).
- FSSI crashes occur in late afternoon and evening with peaks at 5PM and 8PM. The proportion of fatalities is higher at 8PM.



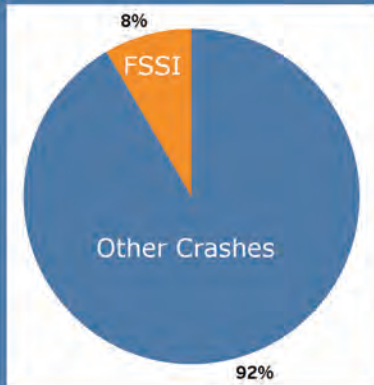


Vulnerable  
Road User

# CRASH FACTS

DVRPC / City of  
Philadelphia

## Pedestrians



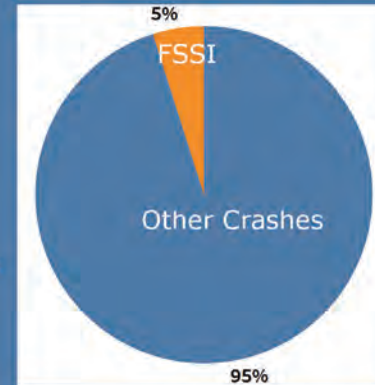
Total crashes = 8722

Total fatalities = 571

Total SSI = 1278

1 in 11 pedestrians hit by motorists  
were killed or severely injured

## Bicyclists



Total crashes = 1881

Total fatalities = 38

Total SSI = 162

1 in 20 bicyclists hit by motorists  
were killed or severely injured

*Lower % FFSI overall than statewide. Statewide Ped (15% FFSI); Bike (11% FFSI)*

## Roadway Location

### Midblock

Pedestrians 38% (**53%**)  
Cyclists 34% (**37%**)

### Intersection

Pedestrians 62% (**47%**)  
Cyclists 66% (**63%**)

% Crash (% FFSI)

## Road Conditions

### Dry Roads

Pedestrians 80% (**81%**)  
Cyclists 89% (**89%**)

### Clear Weather

Pedestrians 72% (**68%**)  
Cyclists 79% (**66%**)

### Low Light Conditions

Pedestrians 38% (**58%**)  
Cyclists 31% (**39%**)

## Lighting Conditions

### Daylight

Pedestrians 61% (**42%**)  
Cyclists 69% (**61%**)

### Dusk/Dawn

Pedestrians 4% (**4%**)  
Cyclists 3% (**0%**)

### Dark

Pedestrians 2% (**4%**)  
Cyclists 2% (**3%**)

### Dark (With Streetlights)

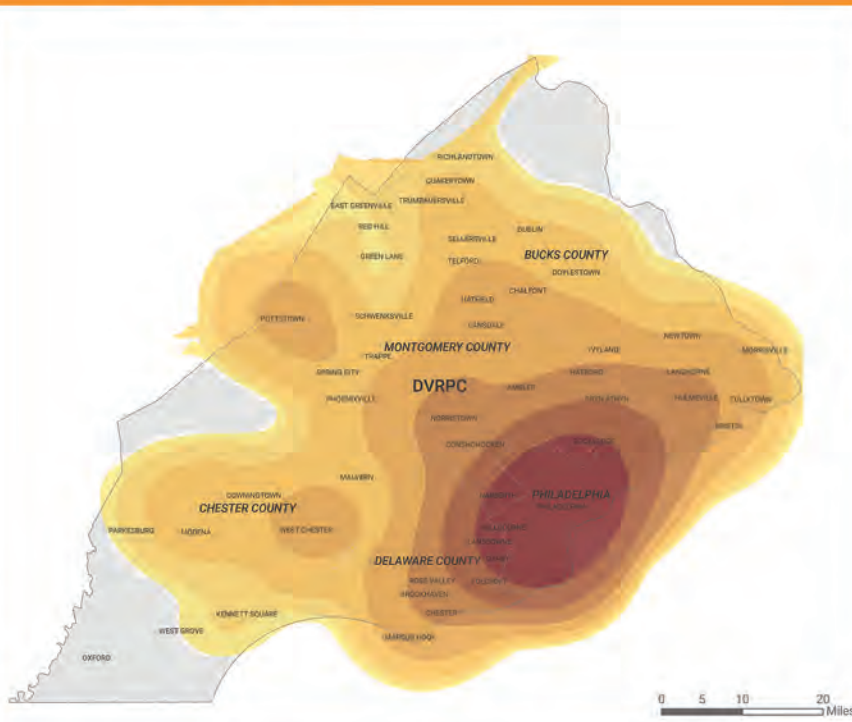
Pedestrians 31% (**50%**)  
Cyclists 26% (**36%**)

## DVRPC - City of Philadelphia Roadway Location and Environment

- More intersection crashes for Ped and Bike, unlike statewide trend where majority of ped crashes are midblock. Slightly higher PED FFSI at midblock is consistent with Statewide trend (65% FFSI).
- Consistent with statewide - VRU crashes occur on dry roads, daylight, and clear weather.
- Compared to statewide - 14% higher FFSI for Peds in Dark (with streetlights) and 20% FFSI increase for Bikes in Dark (with Streetlights).

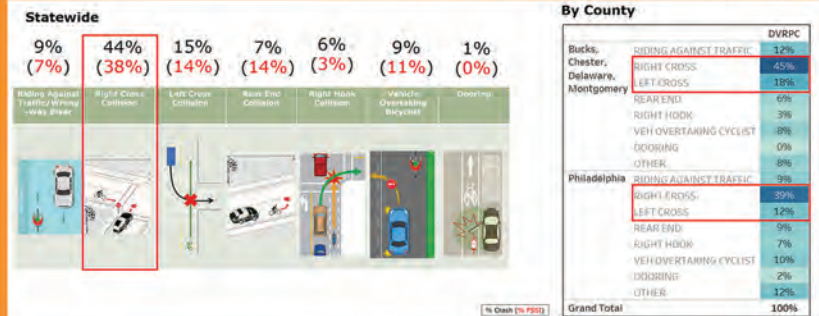


## Where Did Crashes Occur?

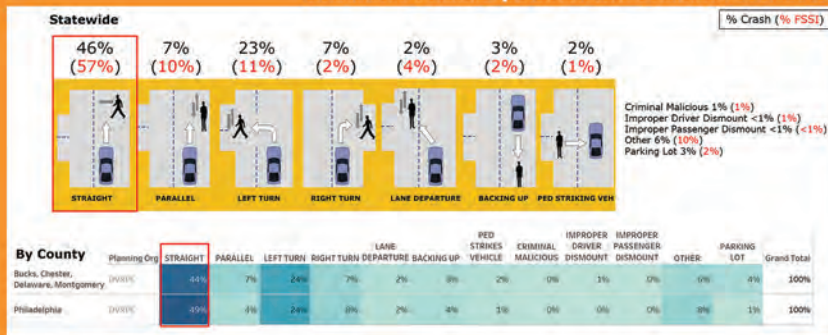


## Common collision scenarios

### Common vehicle-bicycle collision scenarios

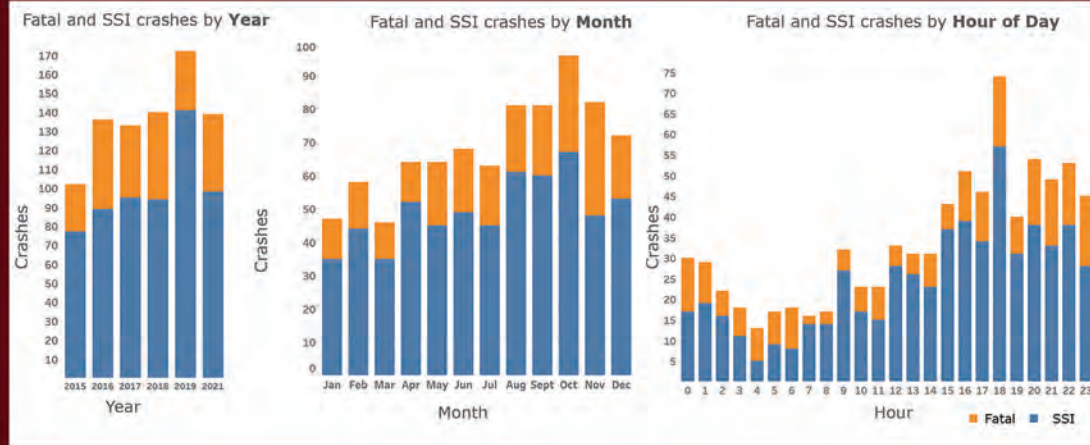


### Common vehicle-pedestrian collision scenarios



## When Did Crashes Occur?

- VRU crashes peaked in 2019
- VRU crashes generally occur more randomly throughout the year with a peak in October
- VRU crashes occur later in the day, peaking at 6 pm



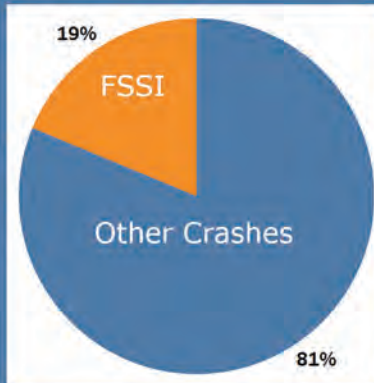


Vulnerable  
Road User

# CRASH FACTS

## DVRPC / Suburban Counties

### Pedestrians



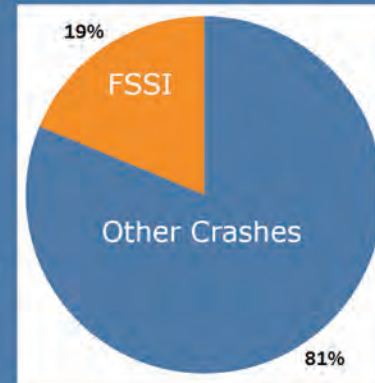
Total crashes = 3337

Total fatalities = 454

Total SSI = 1089

1 in 5 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 925

Total fatalities = 28

Total SSI = 209

1 in 8 bicyclists hit by motorists  
were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
50% (68%)	35% (44%)

#### Intersection

Pedestrians	Cyclists
50% (32%)	65% (56%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
82% (81%)	90% (88%)

#### Clear Weather

Pedestrians	Cyclists
72% (73%)	75% (75%)

#### Low Light Conditions

Pedestrians	Cyclists
43% (63%)	20% (23%)

### Lighting Conditions

#### Daylight

Pedestrians 57% (40%)
Cyclists 79% (77%)

#### Dusk/Dawn

Pedestrians 4% (3%)
Cyclists 4% (2%)

#### Dark

Pedestrians 10% (24%)
Cyclists 4% (6%)

#### Dark (With Streetlights)

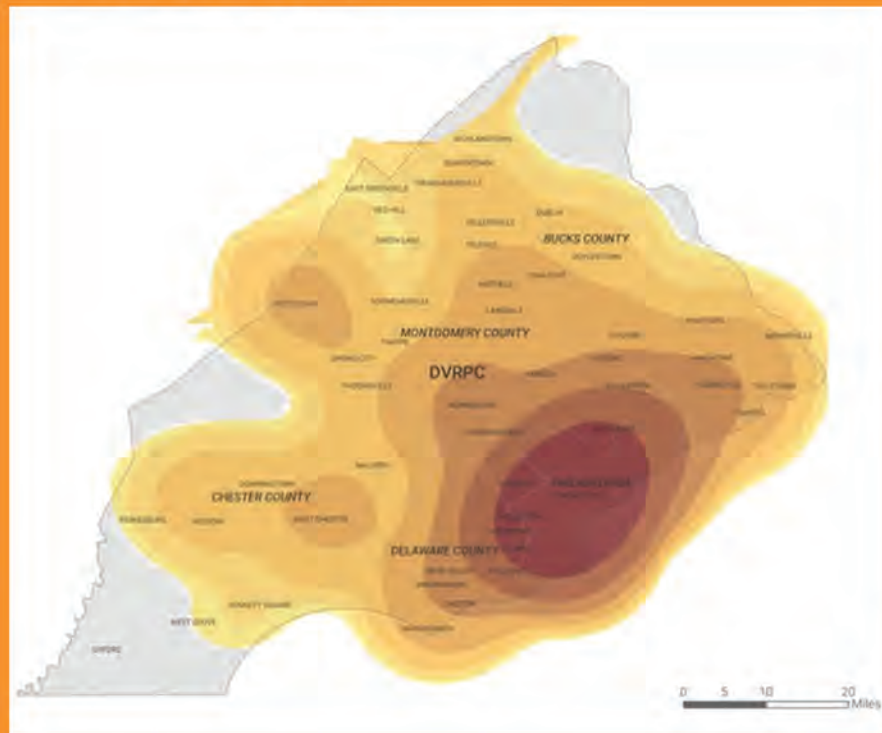
Pedestrians 29% (34%)
Cyclists 13% (16%)

### DVRPC - Suburban Counties Roadway Location and Environment

- Consistent with statewide trends - Majority of Ped FSSI at midblock; Majority of Bike crash and FSSI at intersection.
- Consistent with statewide trends - Majority of VRU crashes occur on dry roads, clear weather and in daylight.
- All lighting conditions for VRU crashes are generally consistent with statewide trends.
- Low Light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

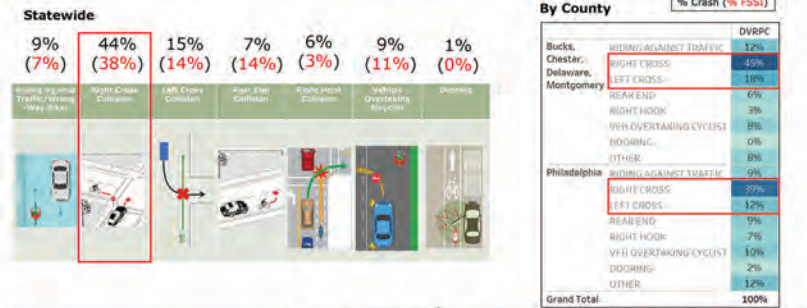


## Where Did Crashes Occur?

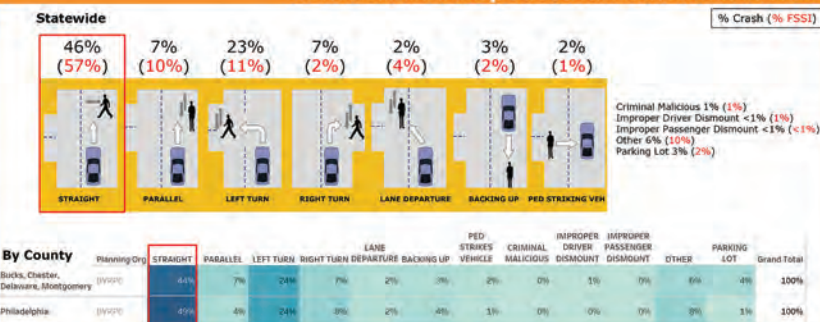


## Common collision scenarios

### Common vehicle-bicycle collision scenarios

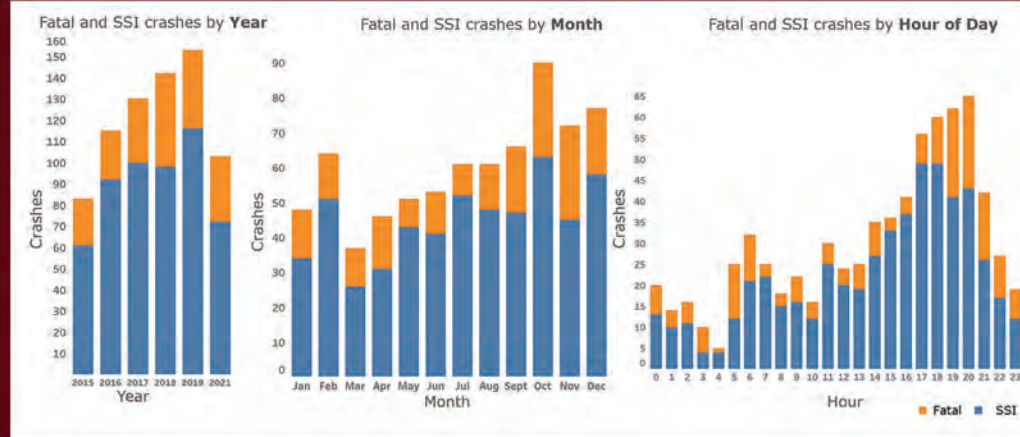


### Common vehicle-pedestrian collision scenarios



## When Did Crashes Occur?

- VRU crashes have been generally climbing each year, except a drop in 2021
- VRU crashes generally occur more randomly throughout the year with a peak in October
- VRU crashes occur later in the day, with peaks starting at 5pm to 9pm. Crashes at 5AM and between 7 and 10PM have higher rate of FSSI.



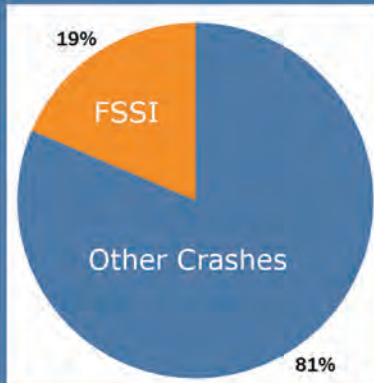


Vulnerable  
Road User

# CRASH FACTS

Southwestern  
Pennsylvania  
Commission

## Pedestrians



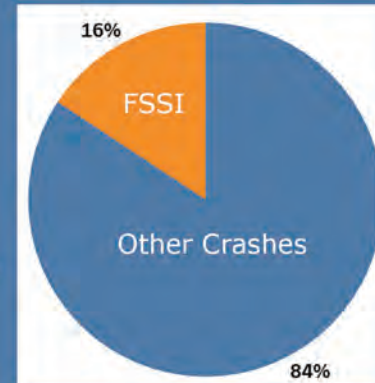
Total crashes = 3005

Total fatalities = 407

Total SSI = 1033

1 in 5 pedestrians hit by motorists  
were killed or severely injured

## Bicyclists



Total crashes = 592

Total fatalities = 36

Total SSI = 183

1 in 6 bicyclists hit by motorists  
were killed or severely injured

## Roadway Location

### Midblock

Pedestrians	Cyclists
45% (64%)	32% (54%)

### Intersection

Pedestrians	Cyclists
55% (36%)	68% (46%)

% Crash (% FSSI)

## Road Conditions

### Dry Roads

Pedestrians	Cyclists
78% (75%)	90% (91%)

### Clear Weather

Pedestrians	Cyclists
71% (65%)	79% (75%)

### Low Light Conditions

Pedestrians	Cyclists
40% (55%)	24% (34%)

## Lighting Conditions

### Daylight

Pedestrians 60% (45%)
Cyclists 75% (66%)

### Dusk/Dawn

Pedestrians 4% (4%)
Cyclists 3% (6%)

### Dark

Pedestrians 9% (16%)
Cyclists 5% (14%)

### Dark (With Streetlights)

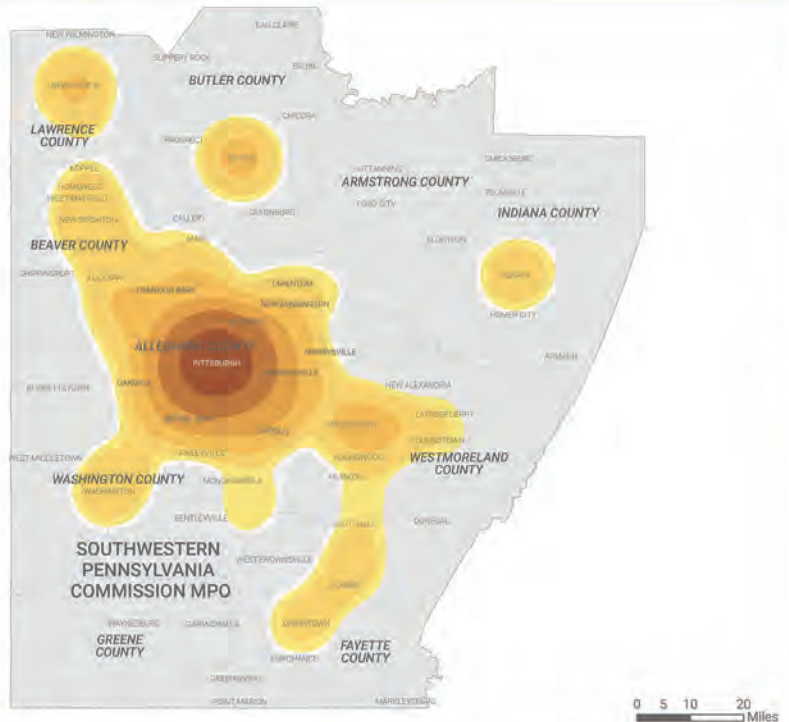
Pedestrians 27% (35%)
Cyclists 16% (14%)

## Lehigh Valley Roadway Location and Environment

- Consistent with statewide trends, more Ped FSSI at midblock crossings.
- Unlike statewide trends, more cyclist FSSI at midblock crossings.
- Consistent with statewide trends, more VRU crashes occur on Dry roads, in clear weather and in daylight.
- Lighting Conditions are very consistent with statewide trends overall.
- Low Light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

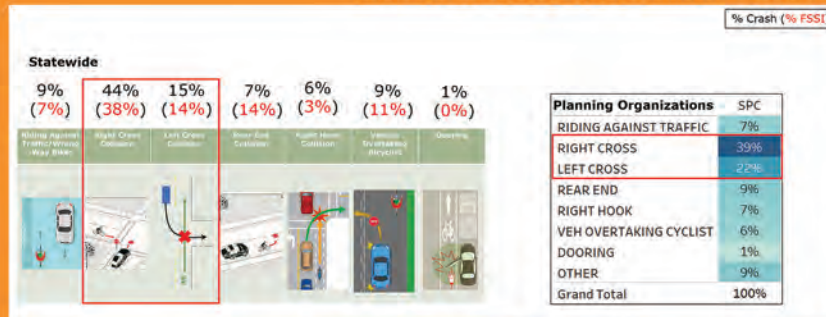


## Where Did Crashes Occur?

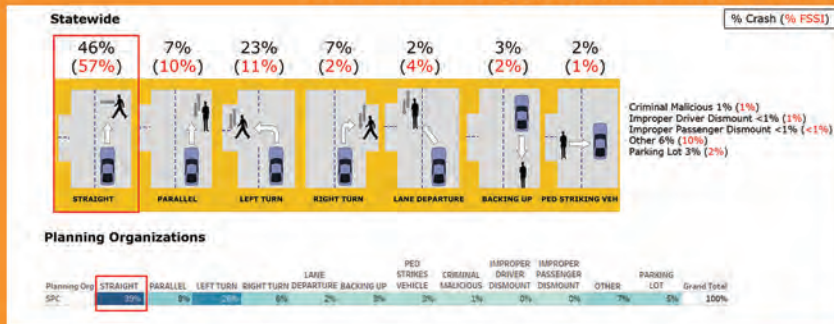


## Common collision scenarios

### Common vehicle-bicycle collision scenarios



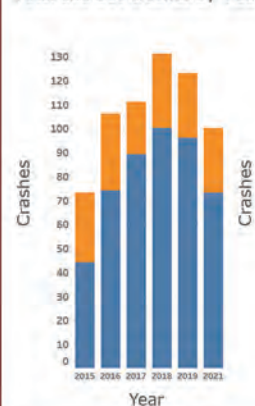
### Common vehicle-pedestrian collision scenarios



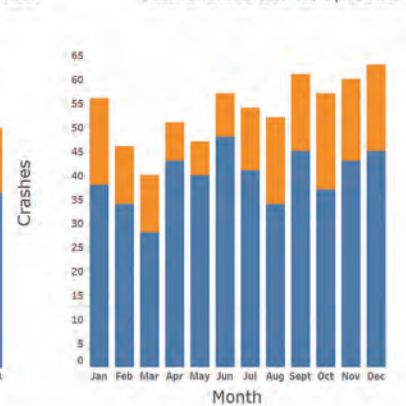
## When Did Crashes Occur?

- VRU crashes have been increasing each year, with a decline in 2021.
- VRU crashes generally occur more randomly throughout the year.
- VRU crashes occur mostly in the later part of the day with a peak at 6PM – 8PM. The FSSI rate is higher at 7PM and 9PM.

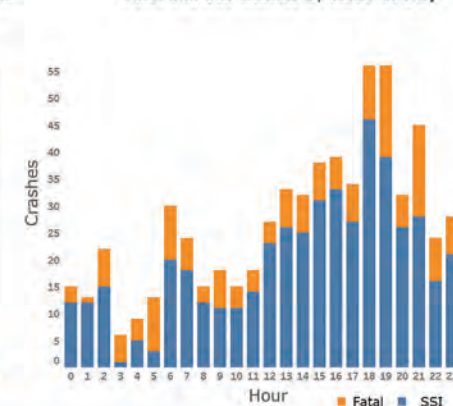
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day



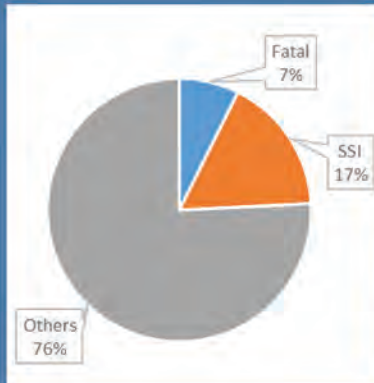


Vulnerable  
Road User

# CRASH FACTS

## Harrisburg Area Transportation Study - HATS

### Pedestrians



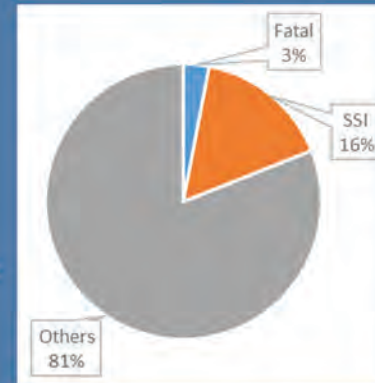
Total crashes = 735

Total fatalities = 130

Total SSI = 291

1 in 4 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 232

Total fatalities = 18

Total SSI = 81

1 in 5 bicyclists hit by motorists  
were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
54% (67%)	35% (41%)

#### Intersection

Pedestrians	Cyclists
46% (33%)	65% (59%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
82% (81%)	90% (91%)

#### Clear Weather

Pedestrians	Cyclists
72% (72%)	75% (64%)

#### Low Light Conditions

Pedestrians	Cyclists
45% (65%)	24% (18%)

11

### Lighting Conditions

#### Daylight

Pedestrians	55% (37%)
Cyclists	76% (82%)

#### Dusk/Dawn

Pedestrians	3% (3%)
Cyclists	5% (0%)

#### Dark

Pedestrians	14% (26%)
Cyclists	7% (14%)

#### Dark (With Streetlights)

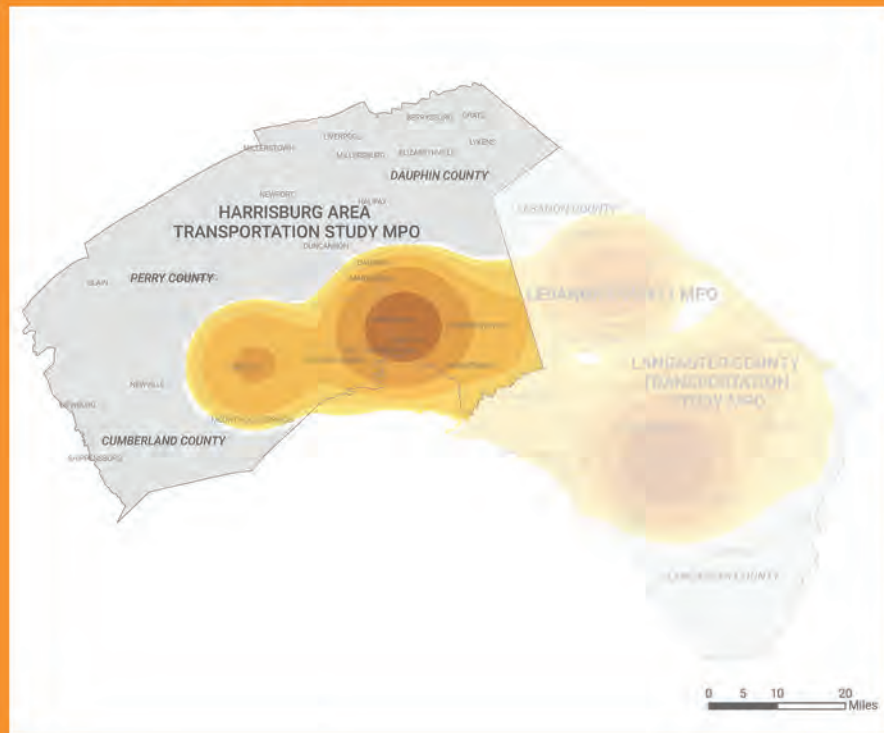
Pedestrians	27% (33%)
Cyclists	11% (5%)

### HATS Roadway Location and Environment

- 975 crashes - 730 ped, 230 bike
- Only 55 Low Light Bike crashes (8 FSSI)
- Low light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

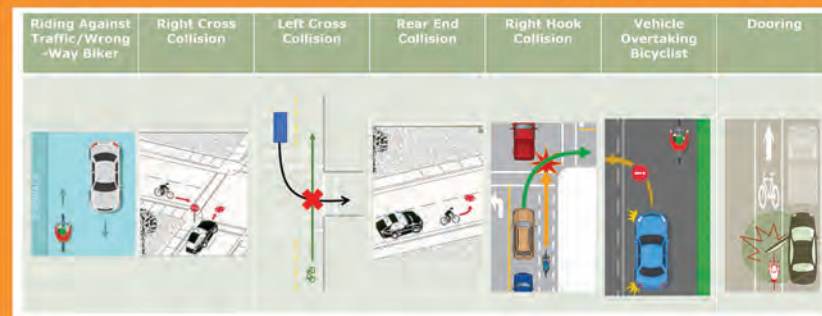


## Where Did Crashes Occur?

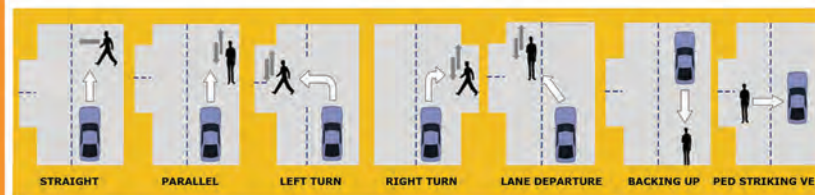


## Common collision scenarios

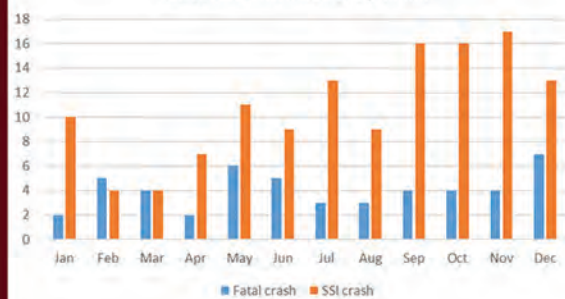
### Common vehicle-bicycle collision scenarios



### Common vehicle-pedestrian collision scenarios



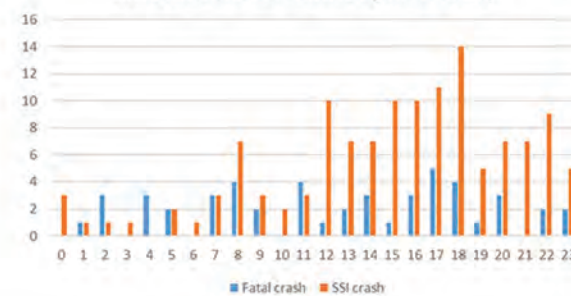
HATS Fatal and SSI crashes by Month



HATS Fatal and SSI crashes by Year



HATS Fatal and SSI crashes by Hour of Day





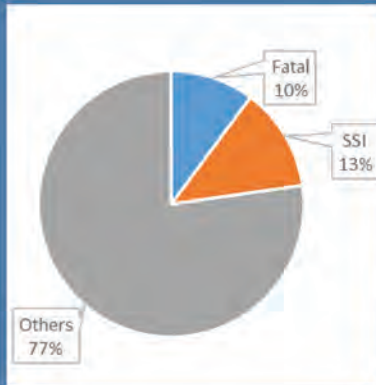


Vulnerable  
Road User

# CRASH FACTS

## Lebanon County

### Pedestrians



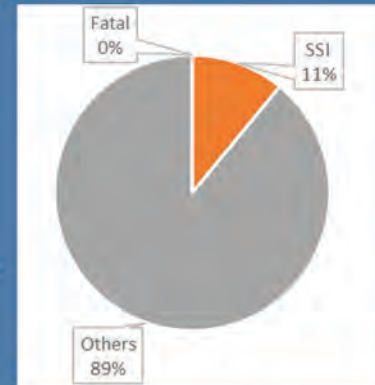
Total crashes = 167

Total fatalities = 42

Total SSI = 44

1 in 4 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 91

Total fatalities = 0

Total SSI = 29

1 in 8 bicyclists hit by motorists  
were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
49% (68%)	35% (50%)

#### Intersection

Pedestrians	Cyclists
51% (32%)	65% (50%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
80% (82%)	88% (80%)

#### Clear Weather

Pedestrians	Cyclists
73% (71%)	68% (50%)

#### Low Light Conditions

Pedestrians	Cyclists
38% (68%)	25% (40%)

### Lighting Conditions

#### Daylight

Pedestrians	62% (32%)
Cyclists	75% (60%)

#### Dusk/Dawn

Pedestrians	3% (5%)
Cyclists	8% (10%)

#### Dark

Pedestrians	11% (24%)
Cyclists	4% (10%)

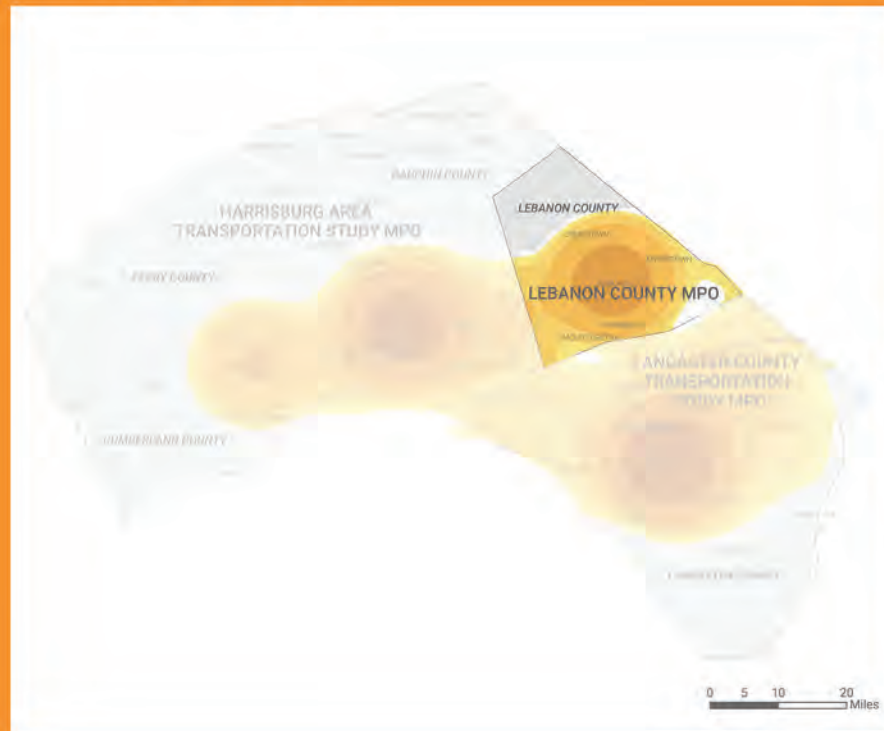
#### Dark (With Streetlights)

Pedestrians	24% (39%)
Cyclists	13% (20%)

### Lebanon Roadway Location and Environment

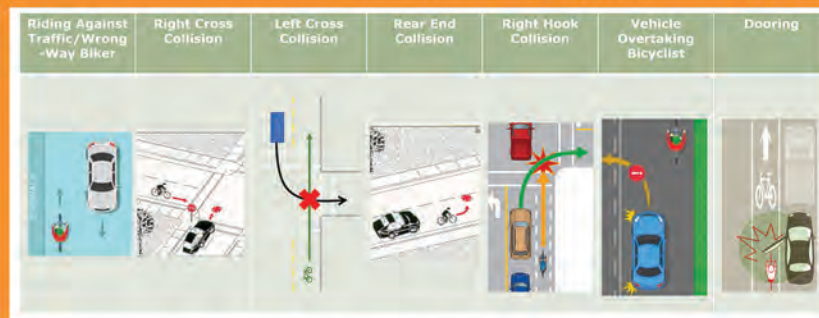
- 260 crashes - 170 ped, 90 bike
- Low light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

## Where Did Crashes Occur?



## Common collision scenarios

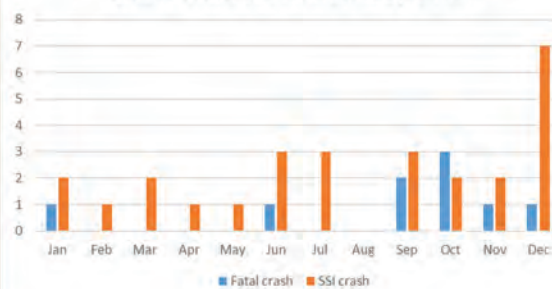
### Common vehicle-bicycle collision scenarios



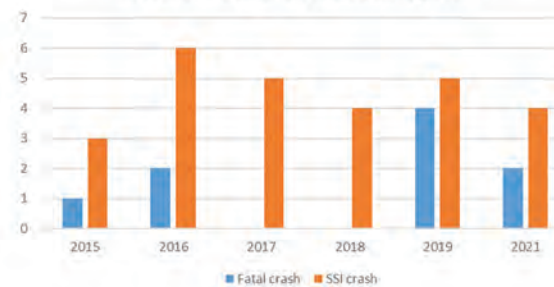
### Common vehicle-pedestrian collision scenarios



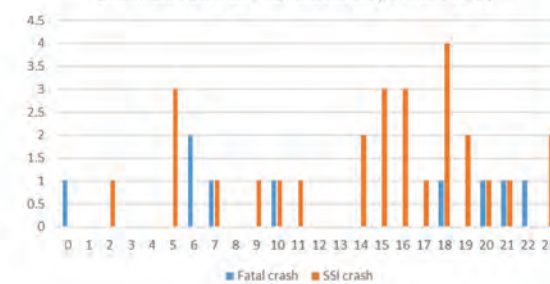
Lebanon Fatal and SSI crashes by Month



Lebanon Fatal and SSI crashes by Year



Lebanon Fatal and SSI crashes by Hour of Day





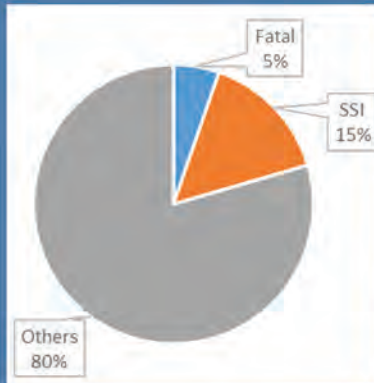


Vulnerable  
Road User

# CRASH FACTS

## Lancaster County

### Pedestrians



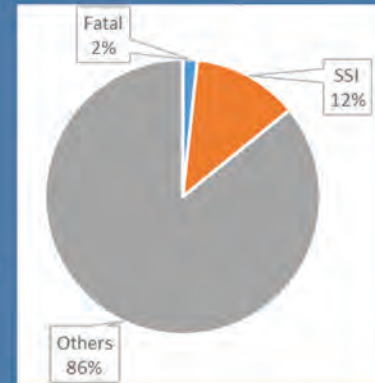
Total crashes = 737

Total fatalities = 115

Total SSI = 262

1 in 5 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 290

Total fatalities = 10

Total SSI = 91

1 in 6 bicyclists hit by motorists  
were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
48% (66%)	38% (46%)

#### Intersection

Pedestrians	Cyclists
52% (34%)	62% (54%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
84% (88%)	93% (95%)

#### Clear Weather

Pedestrians	Cyclists
74% (75%)	77% (76%)

#### Low Light Conditions

Pedestrians	Cyclists
42% (57%)	21% (24%)

### Lighting Conditions

#### Daylight

Pedestrians	58% (42%)
Cyclists	79% (76%)

#### Dusk/Dawn

Pedestrians	3% (2%)
Cyclists	4% (7%)

#### Dark

Pedestrians	13% (25%)
Cyclists	5% (10%)

#### Dark (With Streetlights)

Pedestrians	26% (30%)
Cyclists	12% (7%)

### Lancaster Roadway Location and Environment

- 1025 crashes - 740 ped, 290 bike
- Low light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

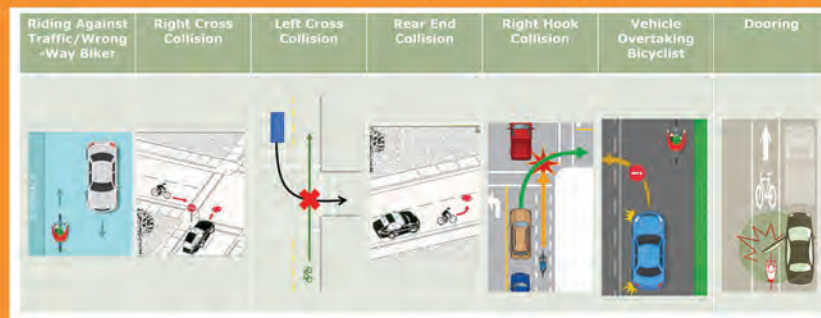


## Where Did Crashes Occur?



## Common collision scenarios

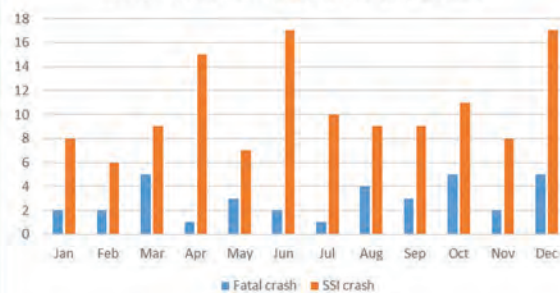
### Common vehicle-bicycle collision scenarios



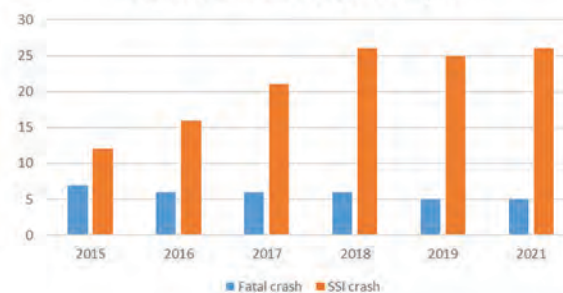
### Common vehicle-pedestrian collision scenarios



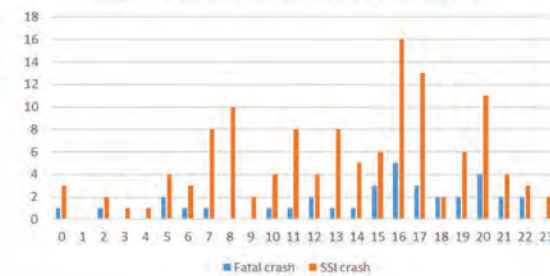
Lancaster Fatal and SSI crashes by Month



Lancaster Fatal and SSI crashes by Year



Lancaster Fatal and SSI crashes by Hour of Day



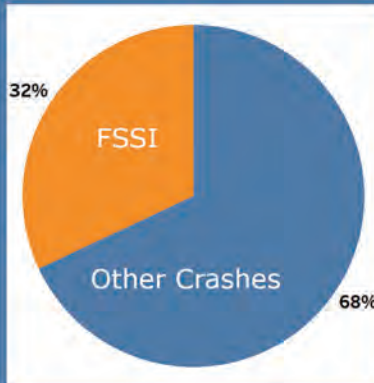


Vulnerable  
Road User

# CRASH FACTS

Northeastern Pennsylvania  
Alliance MPO - NEPA

## Pedestrians



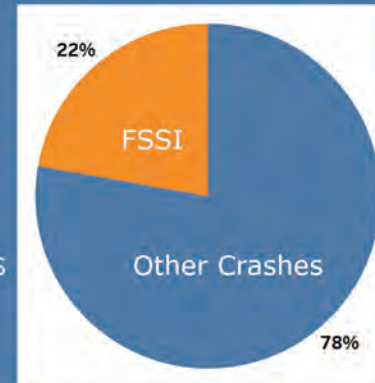
Total crashes = 369

Total fatalities = 79

Total SSI = 211

1 in 3 pedestrians hit by motorists  
were killed or severely injured

## Bicyclists



Total crashes = 72

Total fatalities = 11

Total SSI = 33

1 in 4 bicyclists hit by motorists  
were killed or severely injured

## Roadway Location

### Midblock

Pedestrians	Cyclists
67% (81%)	39% (44%)

### Intersection

Pedestrians	Cyclists
33% (19%)	61% (56%)

% Crash (% FSSI)

## Road Conditions

### Dry Roads

Pedestrians	Cyclists
82% (81%)	93% (88%)

### Clear Weather

Pedestrians	Cyclists
76% (68%)	76% (88%)

### Low Light Conditions

Pedestrians	Cyclists
44% (59%)	10% (19%)

## Lighting Conditions

### Daylight

Pedestrians	Cyclists
56% (41%)	90% (81%)

### Dusk/Dawn

Pedestrians	Cyclists
4% (5%)	0% (0%)

### Dark

Pedestrians	Cyclists
21% (28%)	6% (6%)

### Dark (With Streetlights)

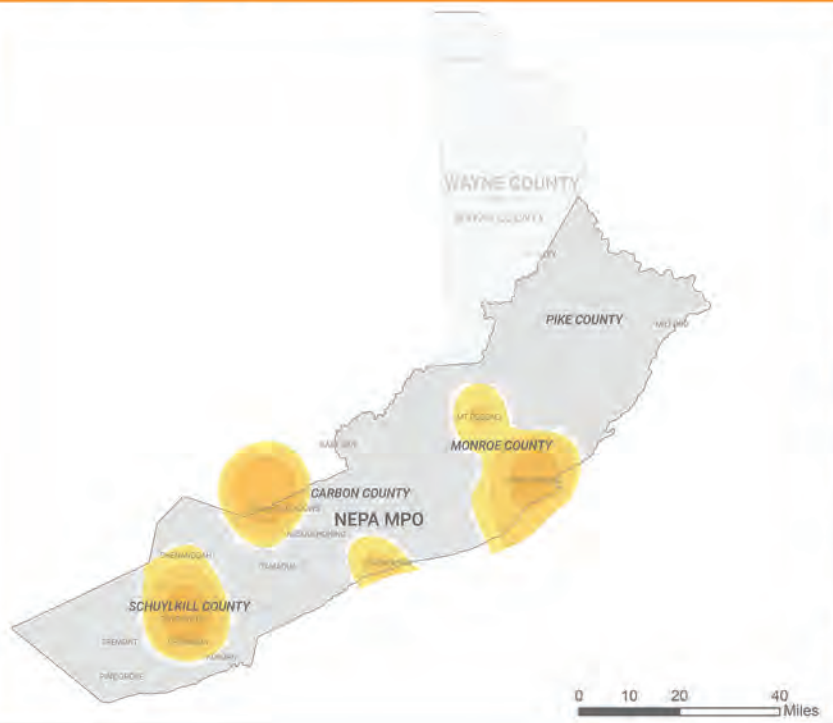
Pedestrians	Cyclists
20% (26%)	4% (13%)

## NEPA Roadway Location and Environment

- Ped crashes (and FSSI) occur midblock where bike crashes and FSSI occur at intersections.
- Majority of bike and ped crashes occur on dry roads, clear weather, and daylight.
- Low light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

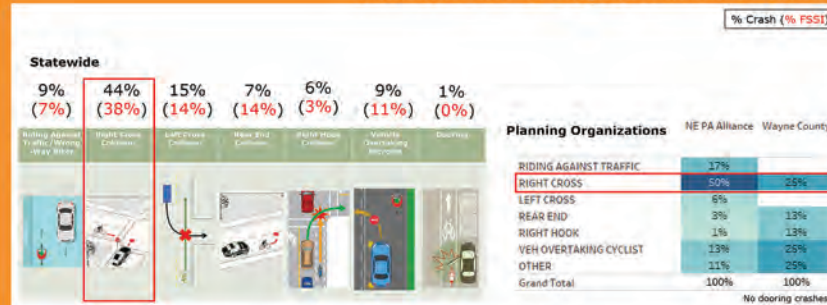


## Where Did Crashes Occur?

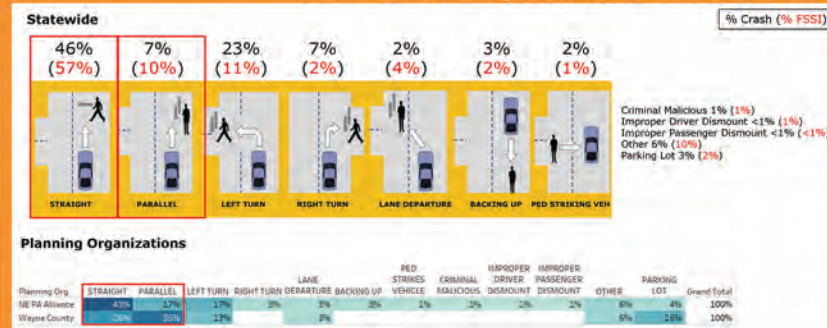


## Common collision scenarios

### Common vehicle-bicycle collision scenarios



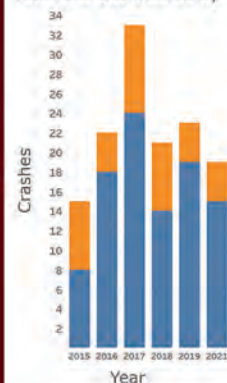
### Common vehicle-pedestrian collision scenarios



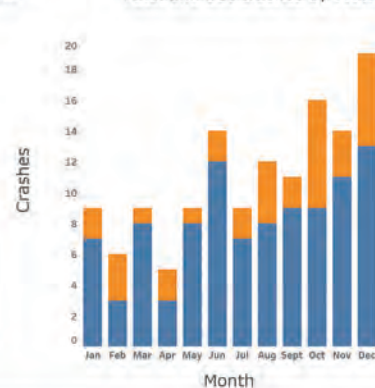
## When Did Crashes Occur?

- FSSI VRU crashes peaked in 2017
- FSSI VRU crashes after June generally increase throughout year, with June as a mid-year peak.
- FSSI VRU crashes occur later in the day, peaking at 6 and 10 pm

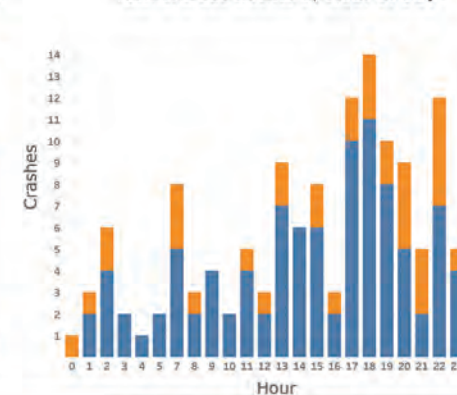
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day





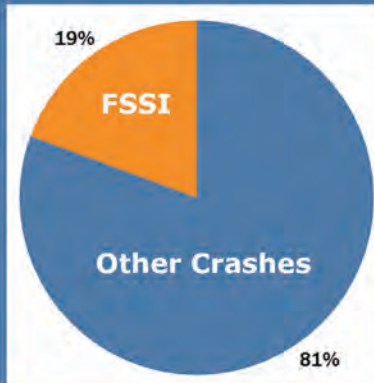


Vulnerable  
Road User

# CRASH FACTS

## Wayne

### Pedestrians



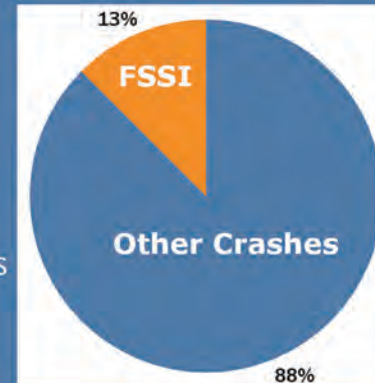
Total crashes = 31

Total fatalities = 8

Total SSI = 4

1 in 6 pedestrians hit by motorists were killed or severely injured

### Bicyclists



Total crashes = 8

Total fatalities = 0

Total SSI = 2

1 in 8 bicyclists hit by motorists were killed or severely injured

There is a higher % of FSSI VRU crashes here as compared to statewide. Statewide : Ped - 15%; Bike 11% FSSI

### Roadway Location

#### Midblock

Pedestrians	Cyclists
77% (83%)	63% (100%)

#### Intersection

Pedestrians	Cyclists
23% (17%)	38% (0%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
71% (50%)	100% (100%)

#### Clear Weather

Pedestrians	Cyclists
74% (67%)	63% (0%)

#### Low Light Conditions

Pedestrians	Cyclists
35% (67%)	25% (0%)

### Lighting Conditions

#### Daylight

Pedestrians	65% (33%)
Cyclists	75% (100%)

#### Dusk/Dawn

Pedestrians	3% (0%)
Cyclists	13% (0%)

#### Dark

Pedestrians	26% (50%)
Cyclists	13% (0%)

#### Dark (With Streetlights)

Pedestrians	6% (17%)
Cyclists	0% (0%)

### Wayne Roadway Location and Environment

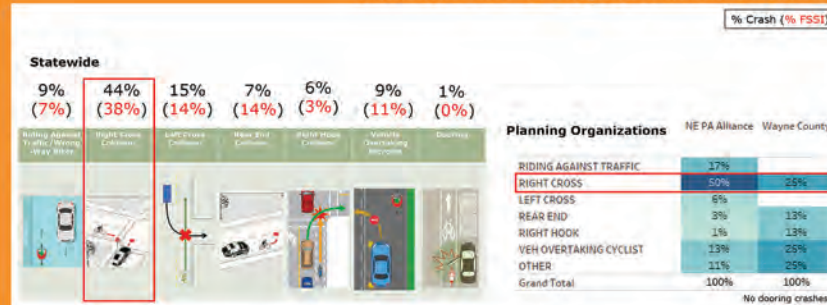
- VRU crashes happen overwhelmingly at midblock locations, on dry roads, in clear weather and in daylight.
- Majority of Pedestrian FSSI occur in low light conditions.
- Low light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

## Where Did Crashes Occur?

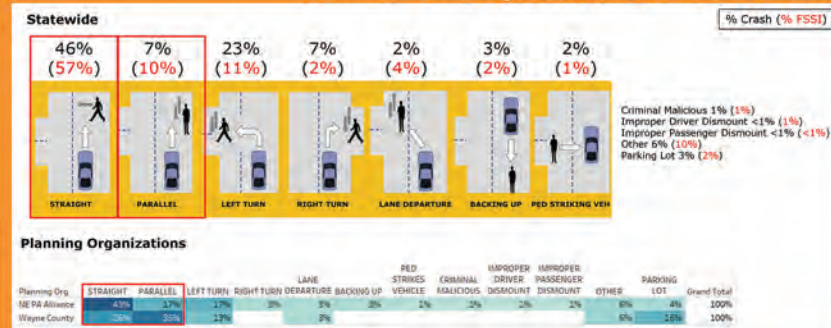


## Common collision scenarios

### Common vehicle-bicycle collision scenarios



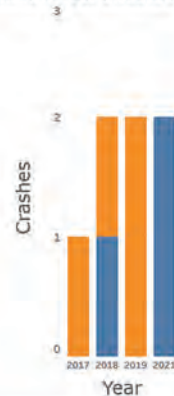
### Common vehicle-pedestrian collision scenarios



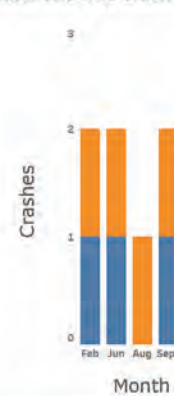
## When Did Crashes Occur?

- Fatalities in morning or late evening.

Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day





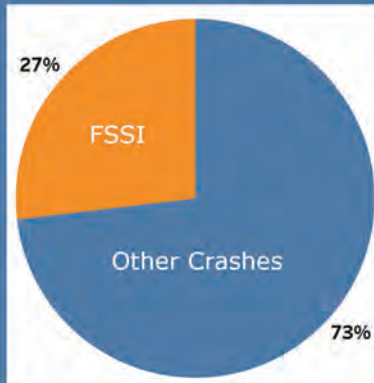


Vulnerable  
Road User

# CRASH FACTS

## North Central RPO

### Pedestrians



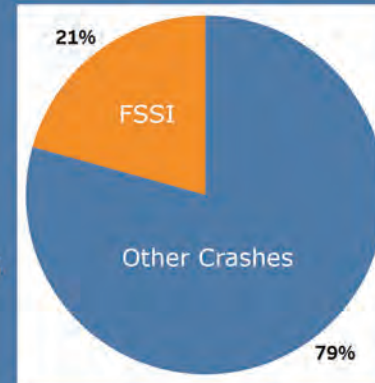
Total crashes = 134

Total fatalities = 23

Total SSI = 66

1 in 3 pedestrians hit by motorists were killed or severely injured

### Bicyclists



Total crashes = 29

Total fatalities = 2

Total SSI = 11

1 in 5 bicyclists hit by motorists were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
52% (58%)	52% (67%)

#### Intersection

Pedestrians	Cyclists
48% (42%)	48% (33%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
82% (81%)	83% (100%)

#### Clear Weather

Pedestrians	Cyclists
75% (78%)	79% (67%)

#### Low Light Conditions

Pedestrians	Cyclists
31% (39%)	21% (33%)

### Lighting Conditions

#### Daylight

Pedestrians	69% (61%)
Cyclists	79% (67%)

#### Dusk/Dawn

Pedestrians	3% (6%)
Cyclists	3% (0%)

#### Dark

Pedestrians	13% (19%)
Cyclists	0% (0%)

#### Dark (With Streetlights)

Pedestrians	15% (14%)
Cyclists	14% (33%)

### North Central RPO Roadway Location and Environment

- Consistent with statewide trends, more Ped FSSI at midblock crossings.
- Unlike statewide trends, more cyclist crashes and FSSI at midblock crossings.
- Consistent with statewide trends, more VRU crashes occur on Dry roads, in clear weather and in daylight.

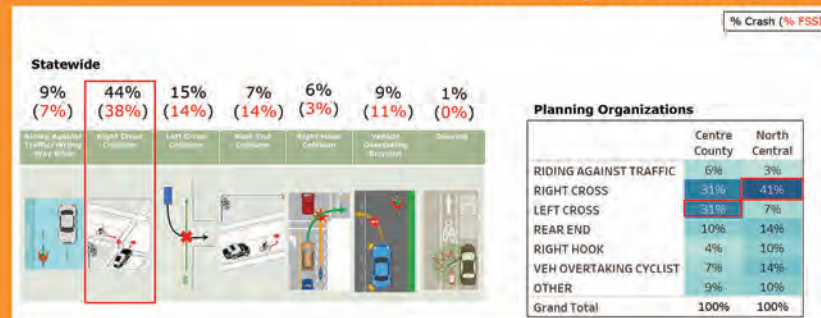


## Where Did Crashes Occur?

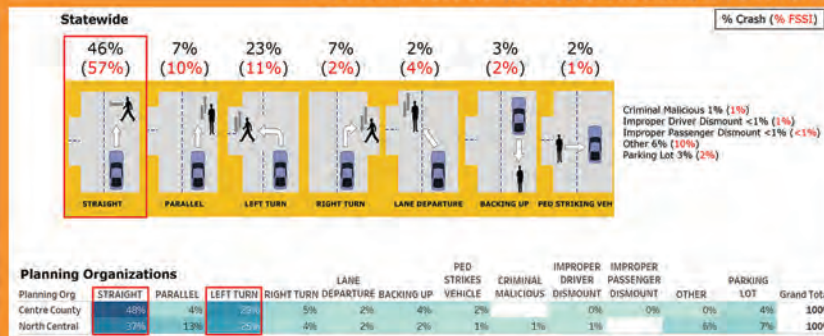


## Common collision scenarios

### Common vehicle-bicycle collision scenarios



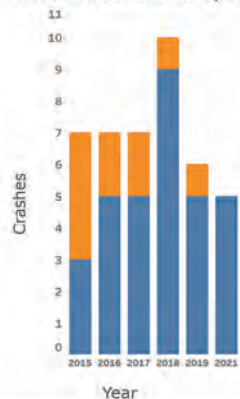
### Common vehicle-pedestrian collision scenarios



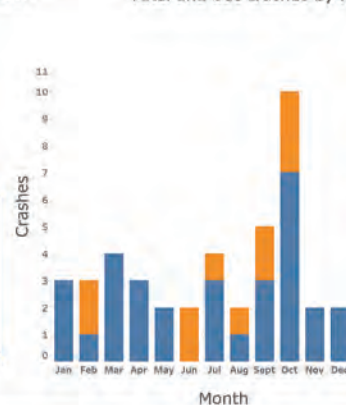
## When Did Crashes Occur?

- VRU crashes have been generally stable each year with a spike in 2018
- VRU crashes generally occur more randomly throughout the year, with a peak in October (peak is consistent with statewide)
- VRU crashes occur randomly throughout day with a peak at 4PM. (Statewide peak is 6pm)

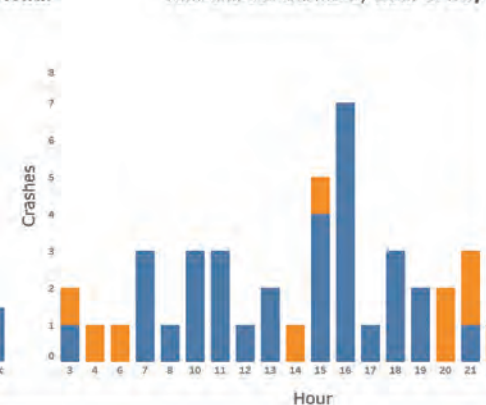
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day



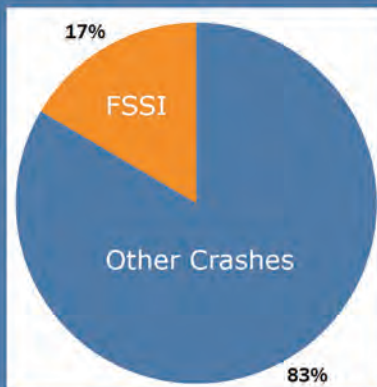


Vulnerable  
Road User

# CRASH FACTS

## Centre County MPO

### Pedestrians



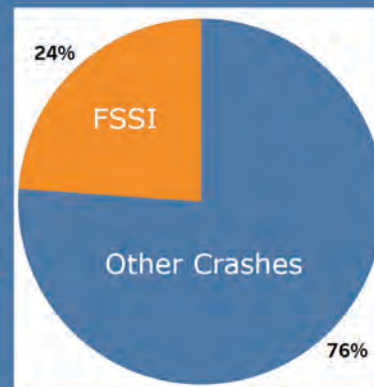
Total crashes = 212

Total fatalities = 11

Total SSI = 71

1 in 3 pedestrians hit by motorists were killed or severely injured

### Bicyclists



Total crashes = 67

Total fatalities = 2

Total SSI = 36

1 in 4 bicyclists hit by motorists were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
36% (57%)	42% (44%)

#### Intersection

Pedestrians	Cyclists
64% (43%)	58% (56%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
77% (74%)	87% (81%)

#### Clear Weather

Pedestrians	Cyclists
77% (86%)	67% (56%)

#### Low Light Conditions

Pedestrians	Cyclists
48% (54%)	22% (38%)

### Lighting Conditions

#### Daylight

Pedestrians	52% (46%)
Cyclists	78% (63%)

#### Dusk/Dawn

Pedestrians	1% (0%)
Cyclists	1% (0%)

#### Dark

Pedestrians	8% (9%)
Cyclists	9% (25%)

#### Dark (With Streetlights)

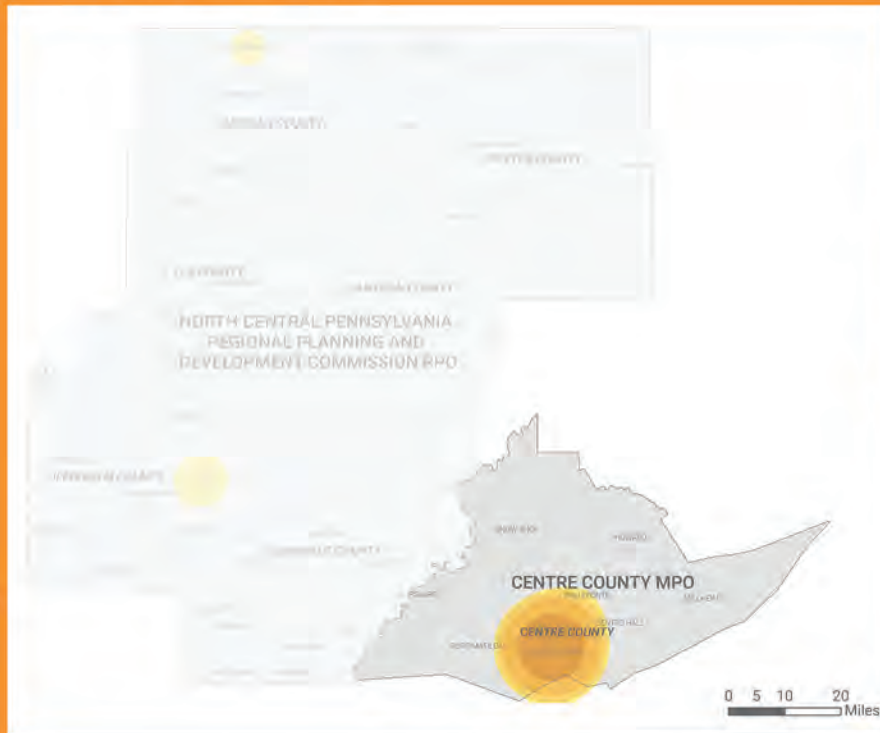
Pedestrians	38% (46%)
Cyclists	12% (13%)

### Centre County RPO Roadway Location and Environment

- Consistent with statewide trends, more ped FSSI midblock and cyclist FSSI at intersections.
- Consistent with statewide trends, most VRU crashes on dry roads, clear weather, and daylight.
- 10% higher ped crash and FSSI in Dark (with streetlight).

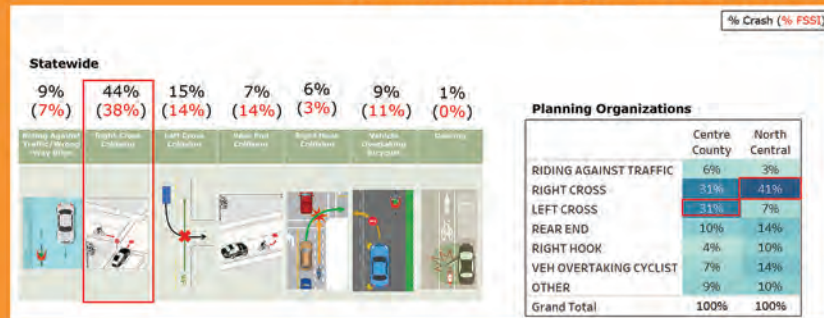


## Where Did Crashes Occur?

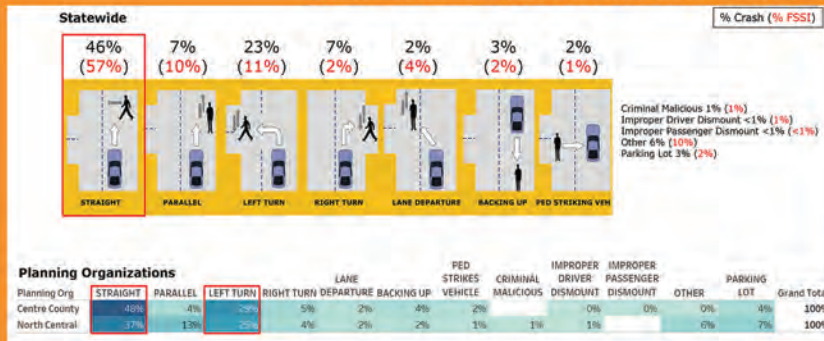


## Common collision scenarios

### Common vehicle-bicycle collision scenarios



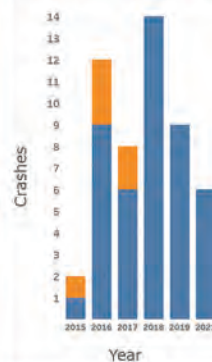
### Common vehicle-pedestrian collision scenarios



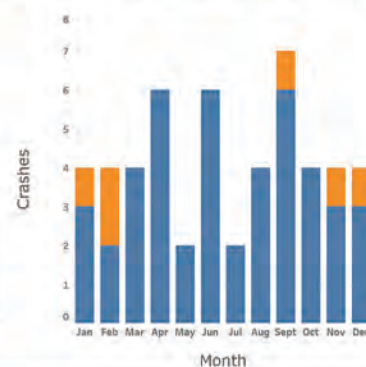
## When Did Crashes Occur?

- VRU crashes have been generally climbing each year
- VRU crashes generally occur more randomly throughout the year
- VRU crashes occur later in the day, peaking at 6 and 7 pm

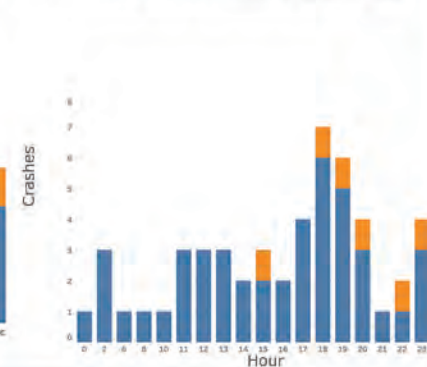
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day



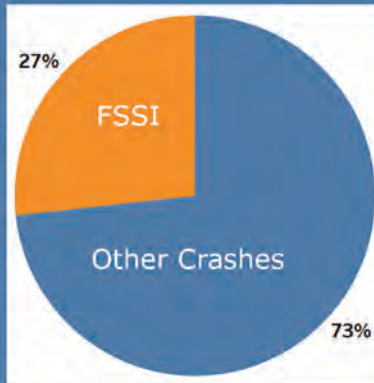


Vulnerable  
Road User

# CRASH FACTS

## SEDA-COG

### Pedestrians



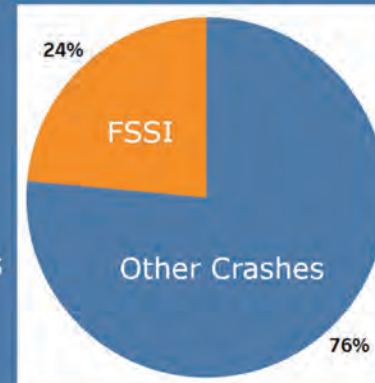
Total crashes = 30

Total fatalities = 46

Total SSI = 151

1 in 4 pedestrians hit by motorists were killed or severely injured

### Bicyclists



Total crashes = 85

Total fatalities = 6

Total SSI = 36

1 in 4 bicyclists hit by motorists were killed or severely injured

Higher Bike and Ped FSSI than statewide. Statewide : Ped - 15%; Bike 11% FSSI

### Roadway Location

#### Midblock

Pedestrians	Cyclists
62% (72%)	44% (65%)

#### Intersection

Pedestrians	Cyclists
38% (28%)	56% (35%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
83% (80%)	94% (100%)

#### Clear Weather

Pedestrians	Cyclists
75% (74%)	76% (85%)

#### Low Light Conditions

Pedestrians	Cyclists
42% (53%)	16% (20%)

### Lighting Conditions

#### Daylight

Pedestrians 57% (47%)
Cyclists 84% (80%)

#### Dusk/Dawn

Pedestrians 3% (5%)
Cyclists 4% (5%)

#### Dark

Pedestrians 17% (25%)
Cyclists 6% (10%)

#### Dark (With Streetlights)

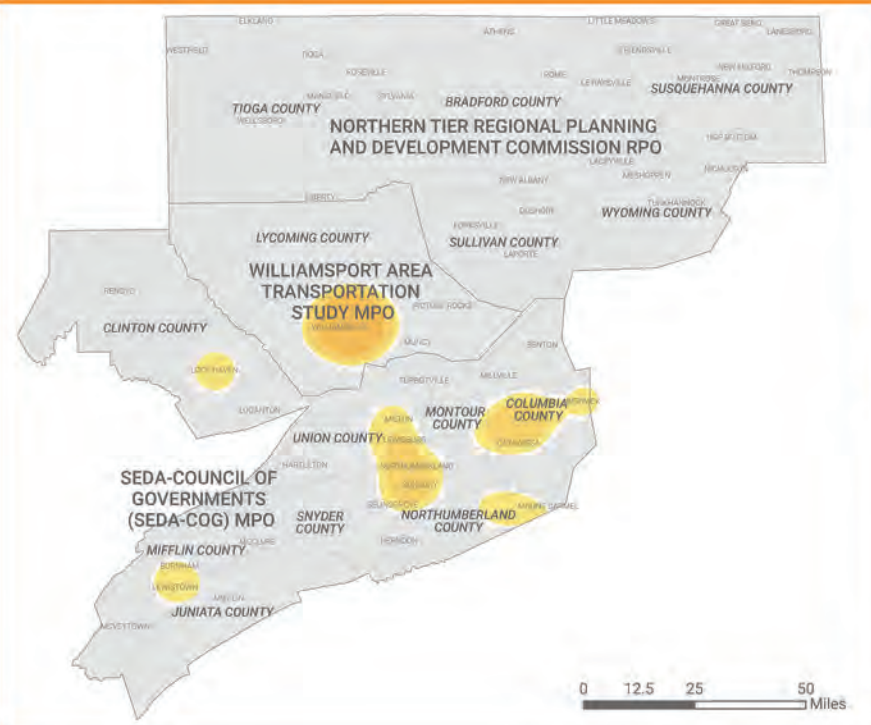
Pedestrians 22% (23%)
Cyclists 7% (5%)

### SEDA -COG Roadway Location and Environment

- Consistent with statewide trends, higher ped FSSI at midblock.
- Higher cyclist FSSI at midblock is inconsistent with statewide trends.
- Consistent with statewide trends, VRU crashes occur in clear weather, dry roads, and daylight.

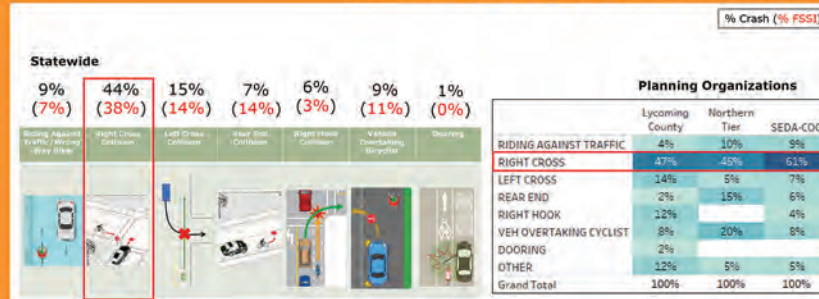


## Where Did Crashes Occur?

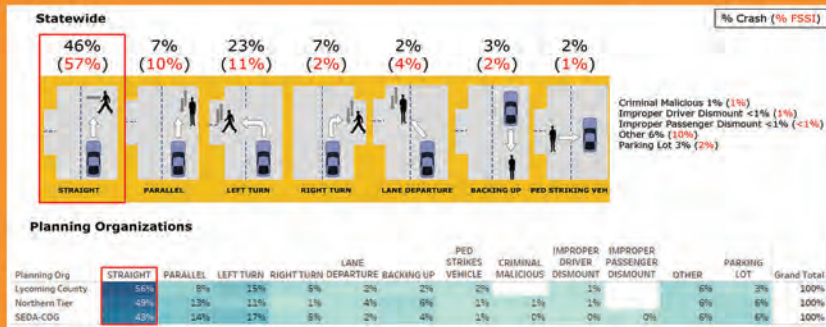


## Common collision scenarios

### Common vehicle-bicycle collision scenarios

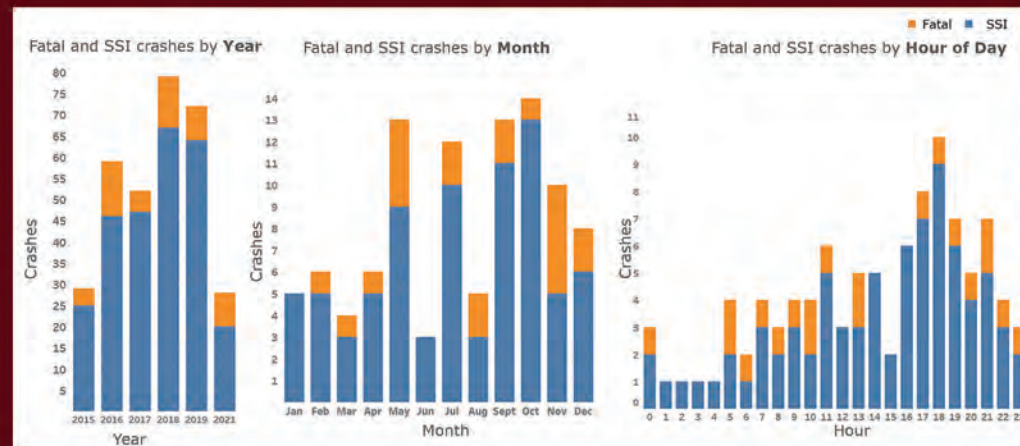


### Common vehicle-pedestrian collision scenarios



## When Did Crashes Occur?

- VRU crashes have been generally climbing each year, peaking in 2018
- VRU crashes generally occur more randomly throughout the year
- VRU crashes occur throughout the day with slightly more in the evening, peaking at 6PM



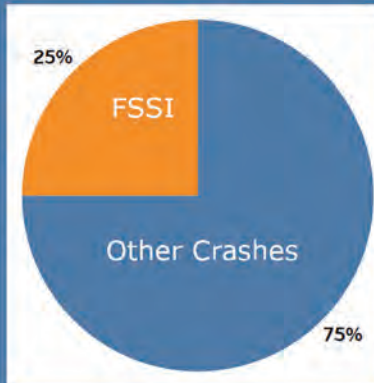


Vulnerable  
Road User

# CRASH FACTS

## WATS/ Lycoming County

### Pedestrians



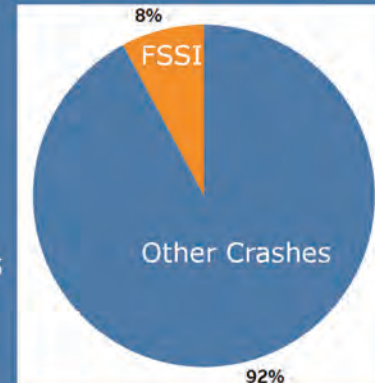
Total crashes = 132

Total fatalities = 34

Total SSI = 57

1 in 4 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 51

Total fatalities = 0

Total SSI = 9

1 in 16 bicyclists hit by motorists  
were killed or severely injured

*Pedestrian FSSI higher than statewide average. Statewide : Ped – 15%; Bike 11% FSSI*

### Roadway Location

#### Midblock

Pedestrians	Cyclists
55% (64%)	31% (50%)

#### Intersection

Pedestrians	Cyclists
45% (36%)	60% (50%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
85% (79%)	92% (100%)

#### Clear Weather

Pedestrians	Cyclists
77% (73%)	67% (25%)

#### Low Light Conditions

Pedestrians	Cyclists
45% (70%)	20% (25%)

### Lighting Conditions

#### Daylight

Pedestrians	55% (30%)
Cyclists	80% (75%)

#### Dusk/Dawn

Pedestrians	5% (12%)
Cyclists	0% (0%)

#### Dark

Pedestrians	15% (30%)
Cyclists	2% (25%)

#### Dark (With Streetlights)

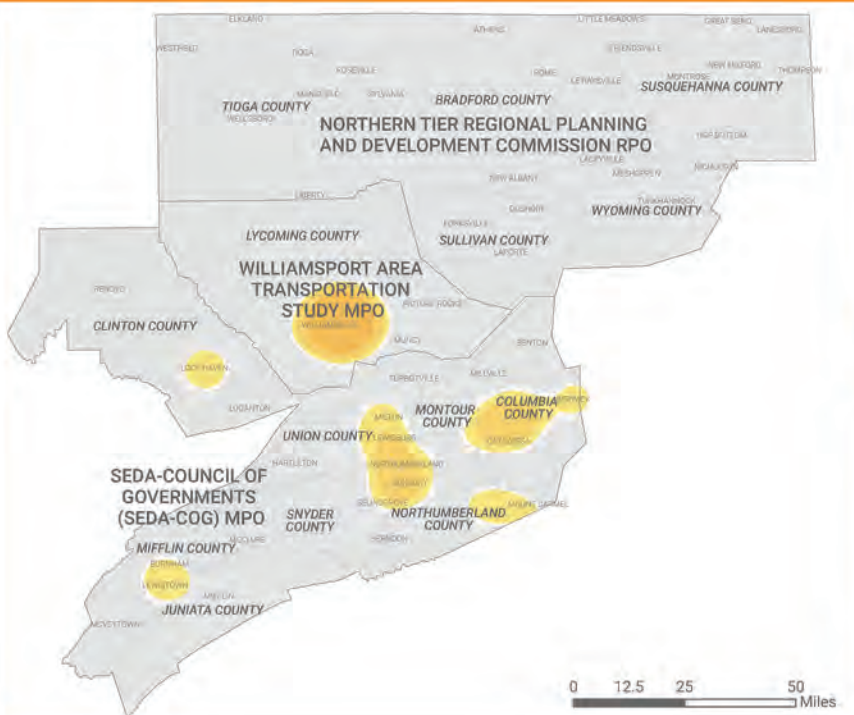
Pedestrians	25% (27%)
Cyclists	18% (0%)

### WATS Roadway Location and Environment

- Inconsistent with Statewide trend, more Midblock Ped crashes. Higher midblock ped FSSI is consistent with state.
- Consistent with statewide trends, more intersection bicycle crashes.
- Consistent with statewide trends, VRU crashes occur in clear weather, dry roads, and in daylight.

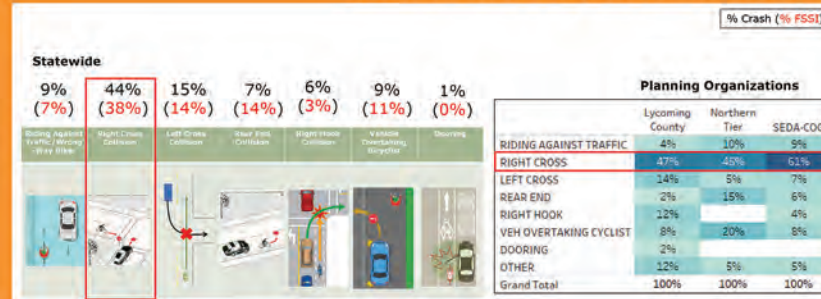


## Where Did Crashes Occur?

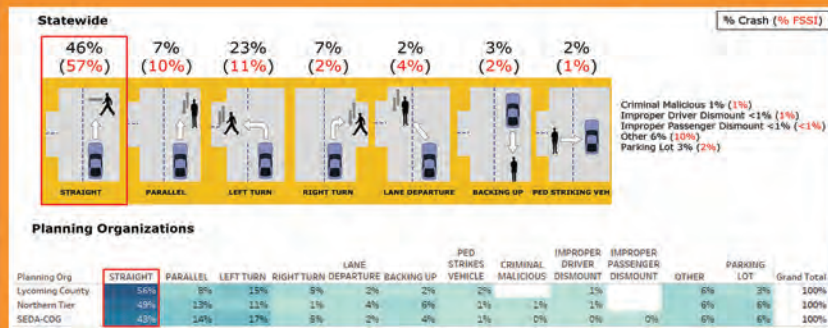


## Common collision scenarios

### Common vehicle-bicycle collision scenarios

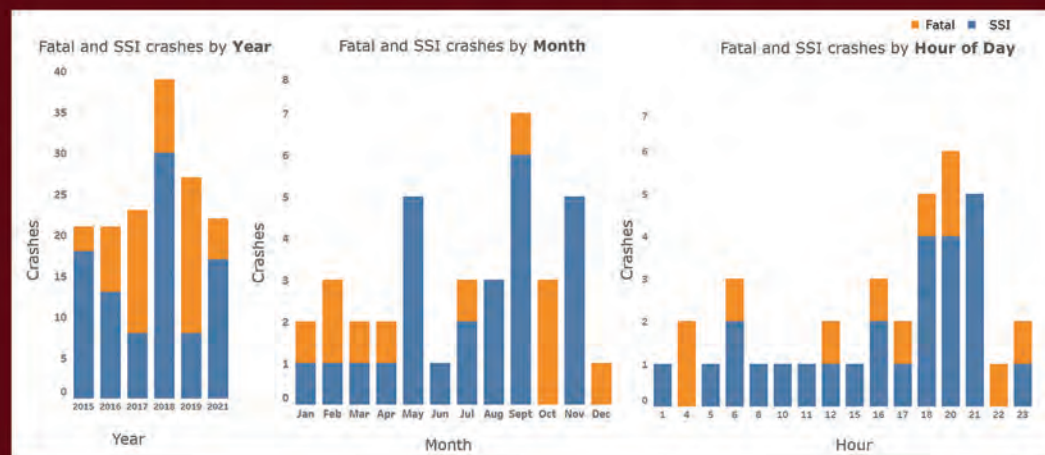


### Common vehicle-pedestrian collision scenarios



## When Did Crashes Occur?

- VRU crashes peaked in 2018
- VRU crashes generally occur more randomly throughout the year with peaks in May, Sept, and Nov.
- VRU crashes occur later in the day, peaking at 6PM and between 8-10PM



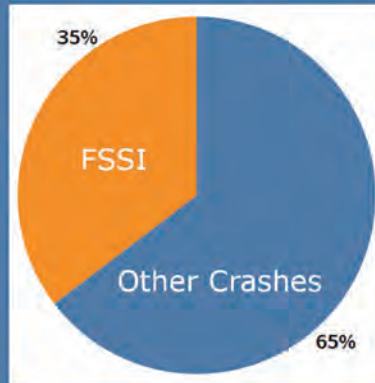


Vulnerable  
Road User

# CRASH FACTS

## Northern Tier RPO

### Pedestrians



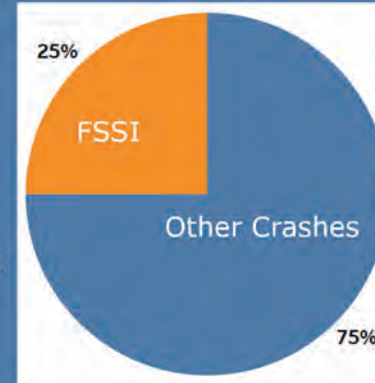
Total crashes = 82

Total fatalities = 33

Total SSI = 32

1 in 3 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 20

Total fatalities = 5

Total SSI = 6

1 in 4 bicyclists hit by motorists  
were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
71% (72%)	80% (100%)

#### Intersection

Pedestrians	Cyclists
29% (28%)	20% (0%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
80% (69%)	100% (100%)

#### Clear Weather

Pedestrians	Cyclists
71% (69%)	75% (80%)

#### Low Light Conditions

Pedestrians	Cyclists
43% (59%)	20% (40%)

### Lighting Conditions

#### Daylight

Pedestrians 56% (41%)
Cyclists 80% (60%)

#### Dusk/Dawn

Pedestrians 7% (7%)
Cyclists 0% (0%)

#### Dark

Pedestrians 20% (28%)
Cyclists 15% (40%)

#### Dark (With Streetlights)

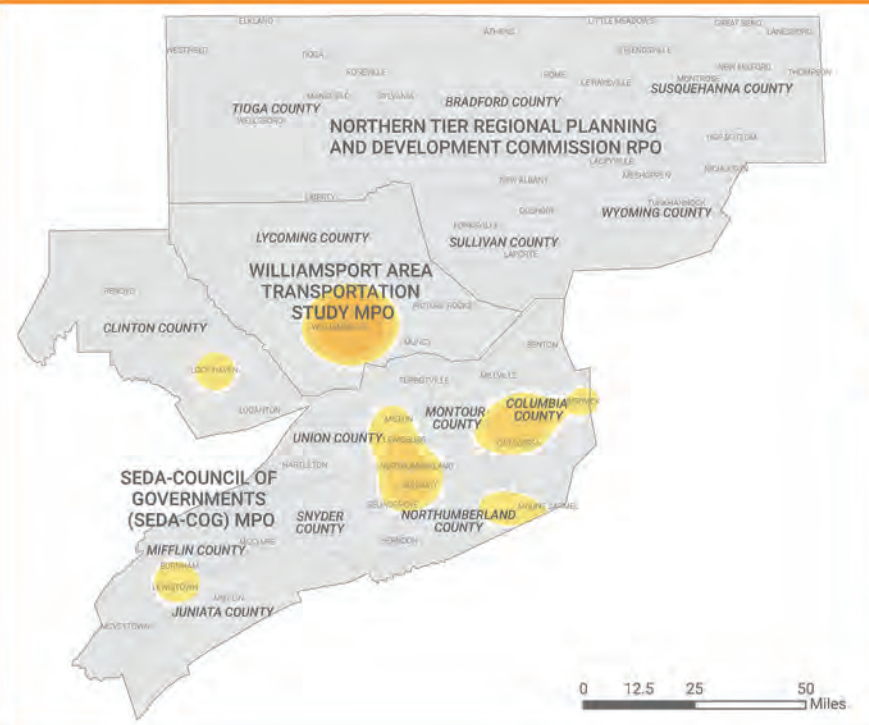
Pedestrians 16% (24%)
Cyclists 5% (0%)

### Northern Tier RPO Roadway Location and Environment

- Consistent with statewide trends, higher ped FSSI at midblock.
- Inconsistent with statewide trends, high (all) bike FSSI at midblock and majority of bike crashes midblock.
- Consistent with statewide trends, VRU crashes occur on dry roads and in clear weather and daylight.

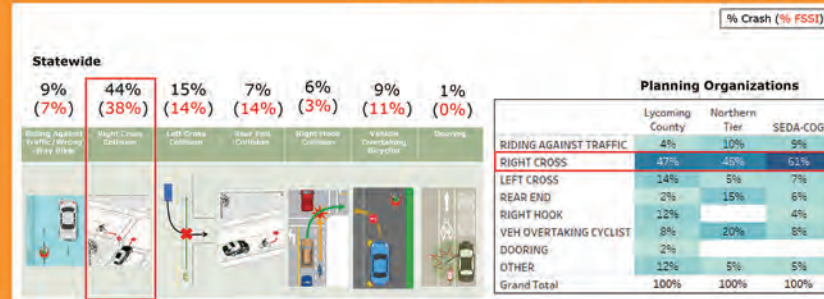


## Where Did Crashes Occur?

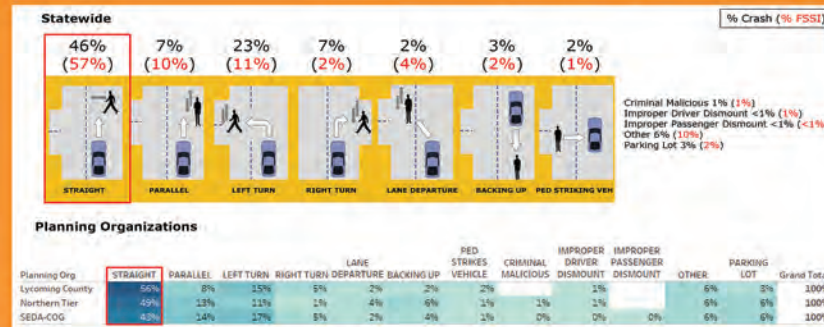


## Common collision scenarios

### Common vehicle-bicycle collision scenarios

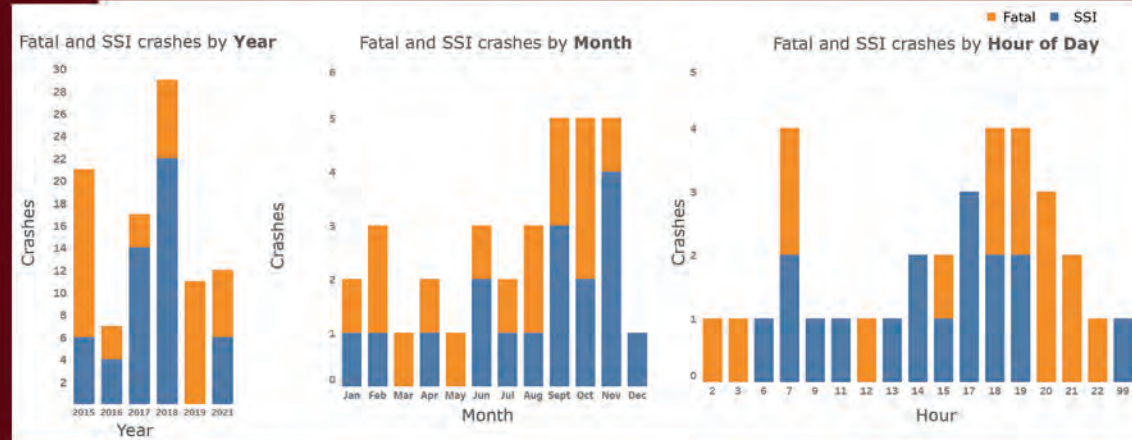


### Common vehicle-pedestrian collision scenarios



## When Did Crashes Occur?

- VRU crashes peaked in 2015 and 2018. 2015 and 2019 had significantly higher rates of Fatalities.
- VRU crashes generally occur more randomly throughout the year
- VRU crashes occur later in the day, peaking at 6 and 7 pm



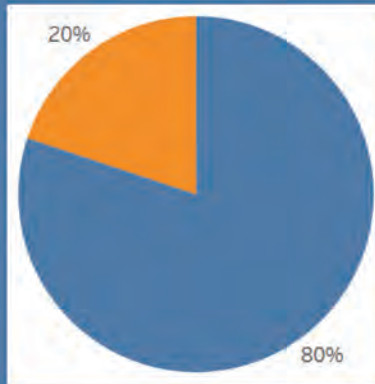


Vulnerable  
Road User

# CRASH FACTS

## Adams County

### Pedestrians



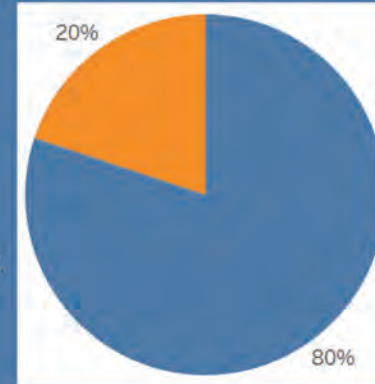
Total crashes = 74

Total fatalities = 16

Total SSI = 20

1 in 5 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 26

Total fatalities = 2

Total SSI = 4

1 in 7 bicyclists hit by motorists  
were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
54% (73%)	46% (67%)

#### Intersection

Pedestrians	Cyclists
46% (27%)	54% (33%)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
81% (60%)	88% (100%)

#### Clear Weather

Pedestrians	Cyclists
72% (67%)	69% (100%)

#### Low Light Conditions

Pedestrians	Cyclists
28% (33%)	27% (33%)

### Lighting Conditions

#### Daylight

Pedestrians	72% (67%)
Cyclists	73% (67%)

#### Dusk/Dawn

Pedestrians	3% (0%)
Cyclists	4% (0%)

#### Dark

Pedestrians	9% (27%)
Cyclists	12% (33%)

#### Dark (With Streetlights)

Pedestrians	16% (7%)
Cyclists	12% (0%)

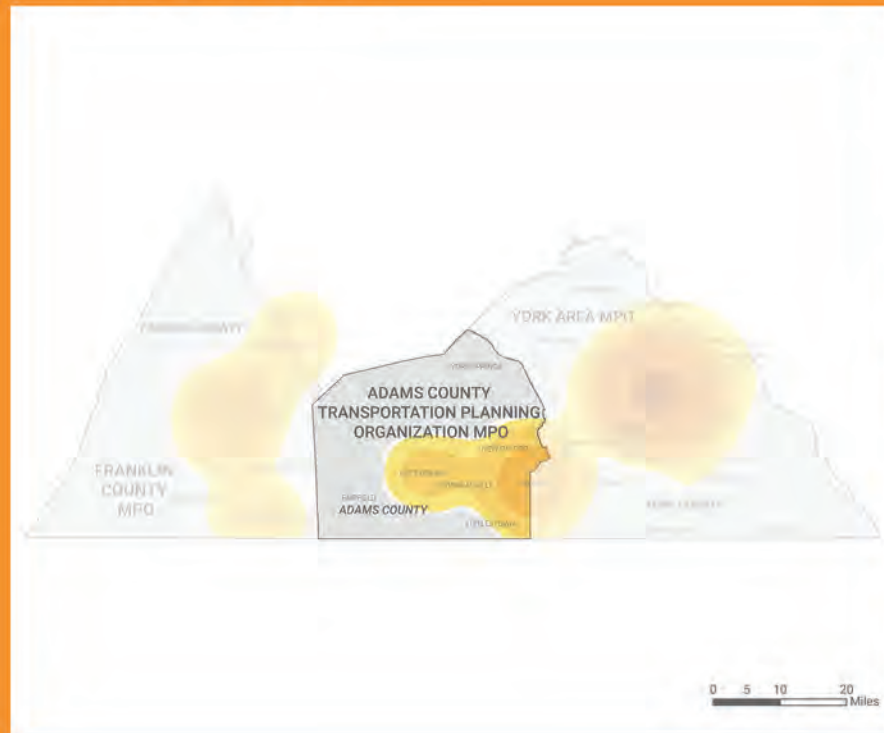
### Adams County Roadway Location and Environment

- 100 crashes – 74 (15 fssi) ped; 26 (3 fssi) bike
- Low Light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

% Crash (% FSSI)

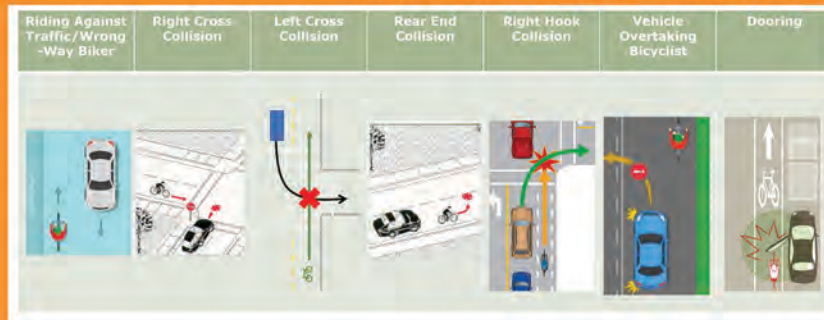


## Where Did Crashes Occur?

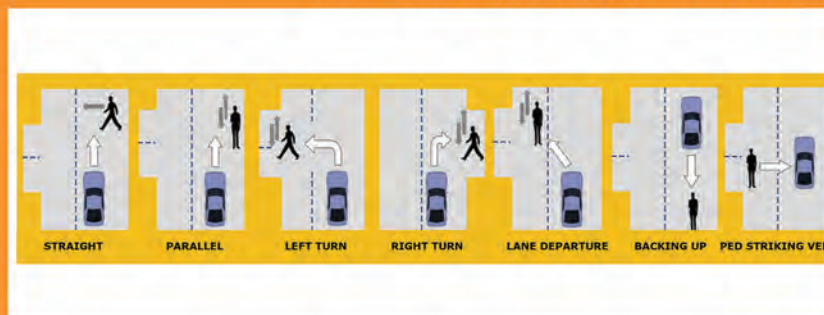


## Common collision scenarios

### Common vehicle-bicycle collision scenarios

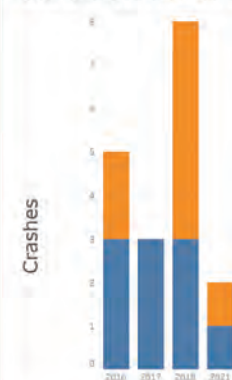


### Common vehicle-pedestrian collision scenarios

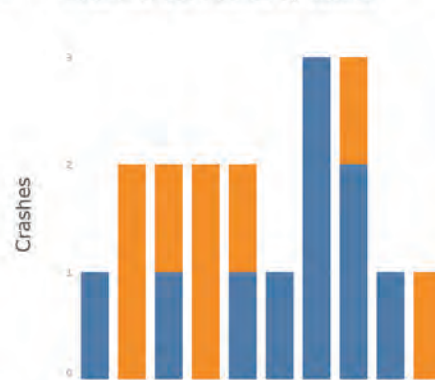


## When Did Crashes Occur?

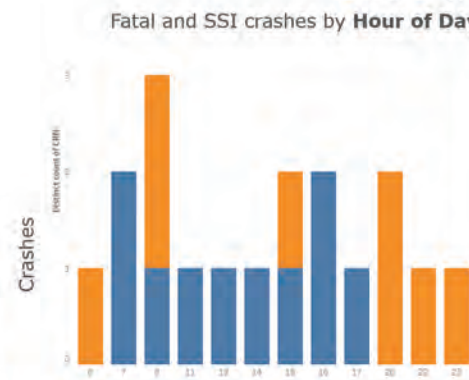
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day



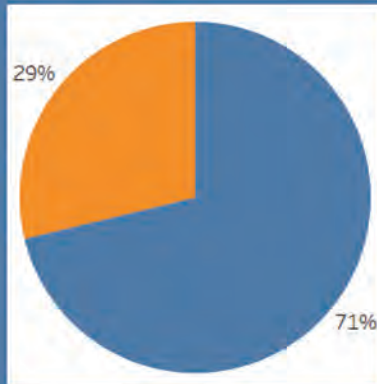


Vulnerable  
Road User

# CRASH FACTS

## Franklin County

### Pedestrians



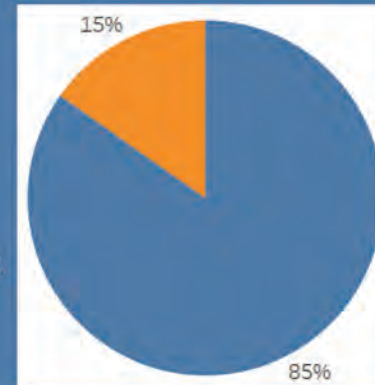
Total crashes = 139

Total fatalities = 29

Total SSI = 68

1 in 3 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 46

Total fatalities = 4

Total SSI = 10

1 in 6 bicyclists hit by motorists  
were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
71% (78%)	48% (86%)

#### Intersection

Pedestrians	Cyclists
29% (22%)	52% (14%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
81% (78%)	98% (100%)

#### Clear Weather

Pedestrians	Cyclists
71% (63%)	74% (86%)

#### Low Light Conditions

Pedestrians	Cyclists
46% (53%)	26% (29%)

### Lighting Conditions

#### Daylight

Pedestrians	54% (48%)
Cyclists	74% (71%)

#### Dusk/Dawn

Pedestrians	4% (2%)
Cyclists	2% (14%)

#### Dark

Pedestrians	22% (30%)
Cyclists	11% (0%)

#### Dark (With Streetlights)

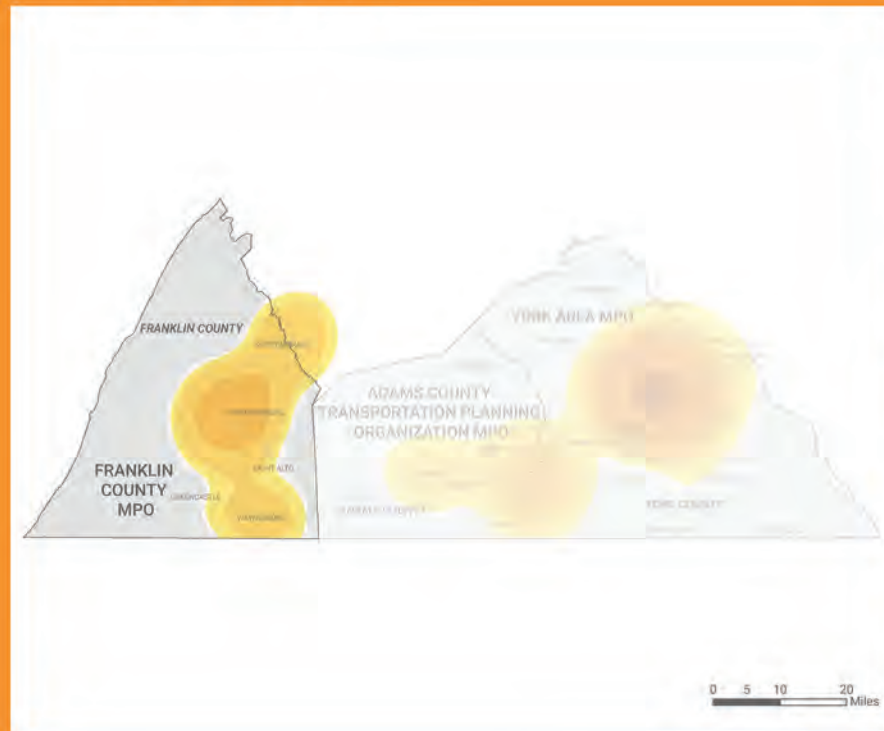
Pedestrians	21% (20%)
Cyclists	13% (14%)

### Franklin County Roadway Location and Environment

- 185 crashes – 139 ped (40 fssi); 46 bike (7 fssi)
- Low Light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

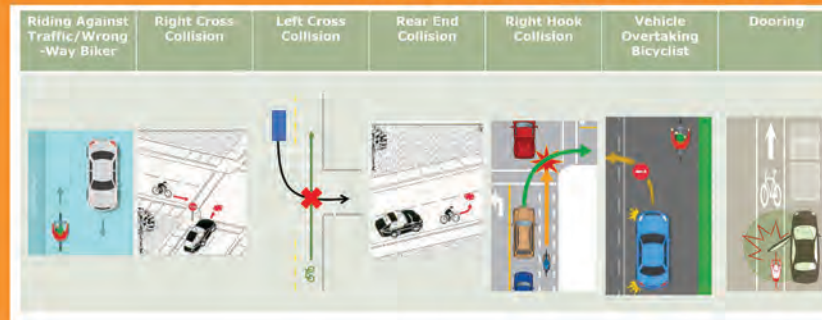


## Where Did Crashes Occur?

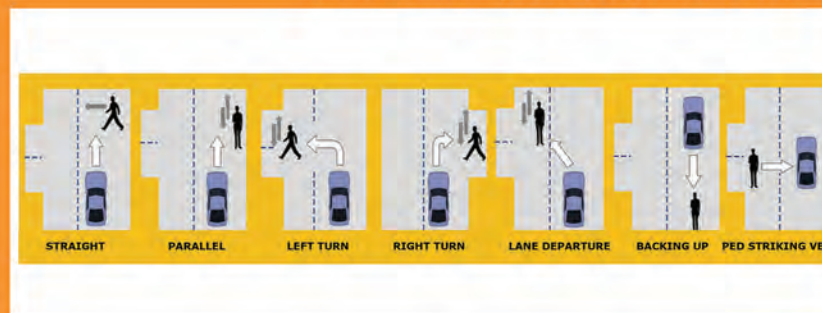


## Common collision scenarios

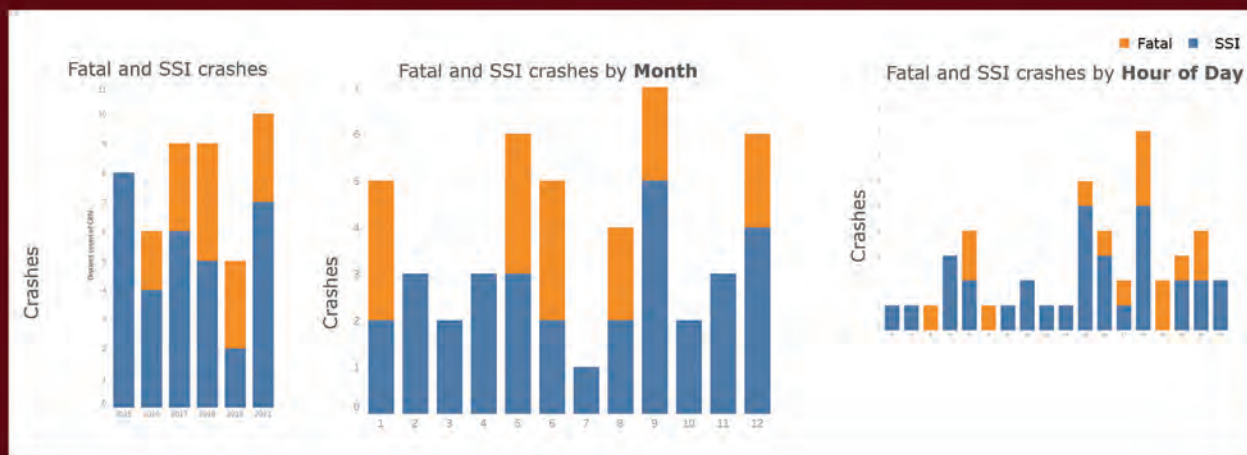
### Common vehicle-bicycle collision scenarios



### Common vehicle-pedestrian collision scenarios



## When Did Crashes Occur?



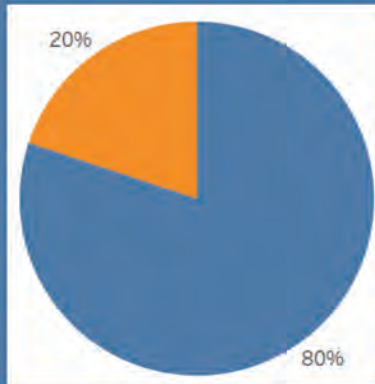


Vulnerable  
Road User

# CRASH FACTS

## York County

### Pedestrians



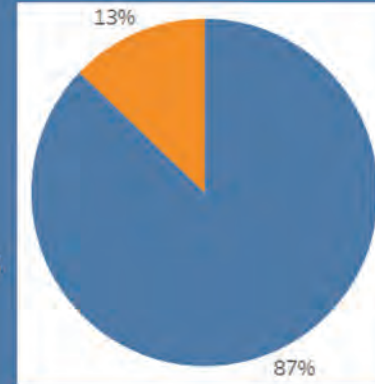
Total crashes = 513

Total fatalities = 86

Total SSI = 174

1 in 5 pedestrians hit by motorists  
were killed or severely injured

### Bicyclists



Total crashes = 140

Total fatalities = 2

Total SSI = 34

1 in 8 bicyclists hit by motorists  
were killed or severely injured

### Roadway Location

#### Midblock

Pedestrians	Cyclists
55% (75%)	37% (56%)

#### Intersection

Pedestrians	Cyclists
45% (25%)	63% (44%)

% Crash (% FSSI)

### Road Conditions

#### Dry Roads

Pedestrians	Cyclists
81% (84%)	92% (94%)

#### Clear Weather

Pedestrians	Cyclists
73% (72%)	78% (67%)

#### Low Light Conditions

Pedestrians	Cyclists
39% (54%)	20% (50%)

### Lighting Conditions

#### Daylight

Pedestrians 61% (46%)
Cyclists 80% (50%)

#### Dusk/Dawn

Pedestrians 4% (4%)
Cyclists 3% (11%)

#### Dark

Pedestrians 15% (31%)
Cyclists 10% (28%)

#### Dark (With Streetlights)

Pedestrians 20% (19%)
Cyclists 7% (11%)

### Franklin County Roadway Location and Environment

- 653 crashes – 513 ped (102 fssi); 140 bike (18 fssi)
- Low Light conditions = dark (with and without streetlights), dusk, dawn, dark (unknown lighting)

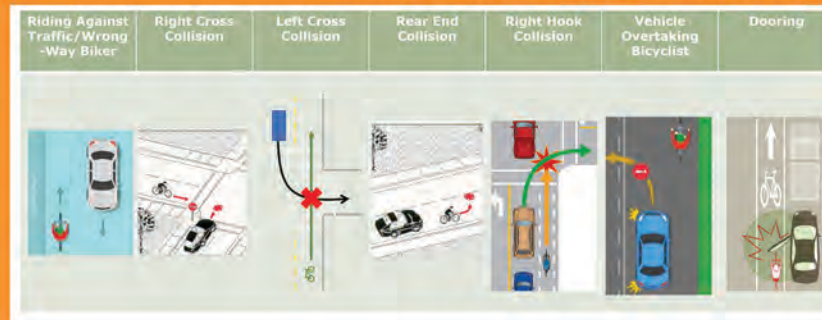


## Where Did Crashes Occur?

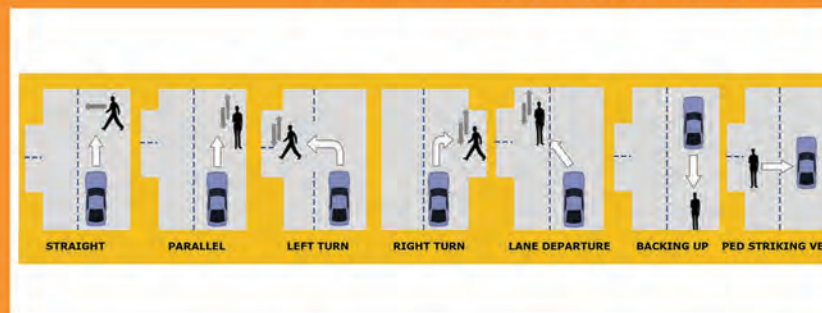


## Common collision scenarios

### Common vehicle-bicycle collision scenarios

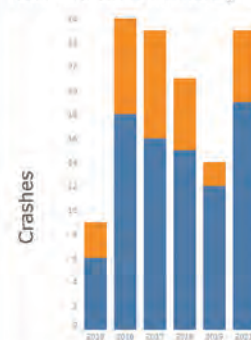


### Common vehicle-pedestrian collision scenarios

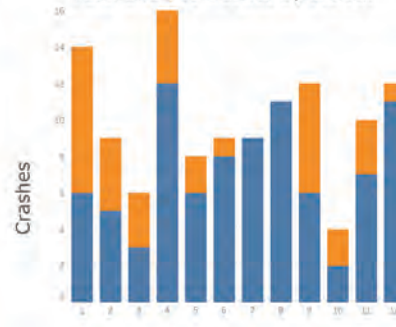


## When Did Crashes Occur?

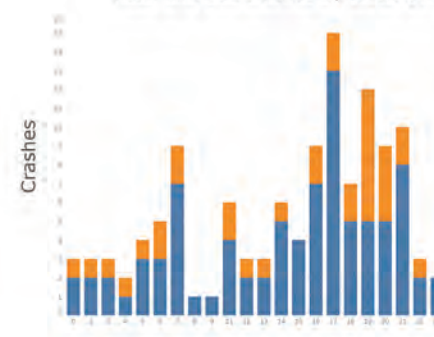
Fatal and SSI crashes by Year



Fatal and SSI crashes by Month



Fatal and SSI crashes by Hour of Day



## CHAPTER 3: QUANTITATIVE ANALYSIS PART 1: HIGH-RISK AREAS

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### Overview

PennDOT applied a two-stage approach to identify high-risk areas (HRAs) that have a history of VRU crashes. The first stage in this approach defined areas of need (AON) by layering data indicative of potential pedestrian and cyclist safety concerns. In stage two of this approach, the Equivalent Property Damage Only (EPDO) assessment method identified in the Highway Safety Manual (HSM) was applied within the AON polygons to identify HRAs. The subsequent sections provide additional detail on the data and methodology used to support the prioritization of pedestrian and cyclist HRAs.

### Areas of Need (AON)

A cursory review of Pennsylvania's vulnerable road user (VRU) crash data indicates that pedestrian and cyclist safety improvements are necessary statewide. However, the data also shows that some areas have greater needs than others. Determining the geographies that resulted in the areas of need (AON) for this initial stage involved several steps. Data inputs related to crash frequency, crash severity, measures commonly associated with equity, and characteristics indicative of latent demand for walking and cycling were mapped to reveal statewide patterns in crash and demographic data that were most relevant to pedestrian and cyclist safety.

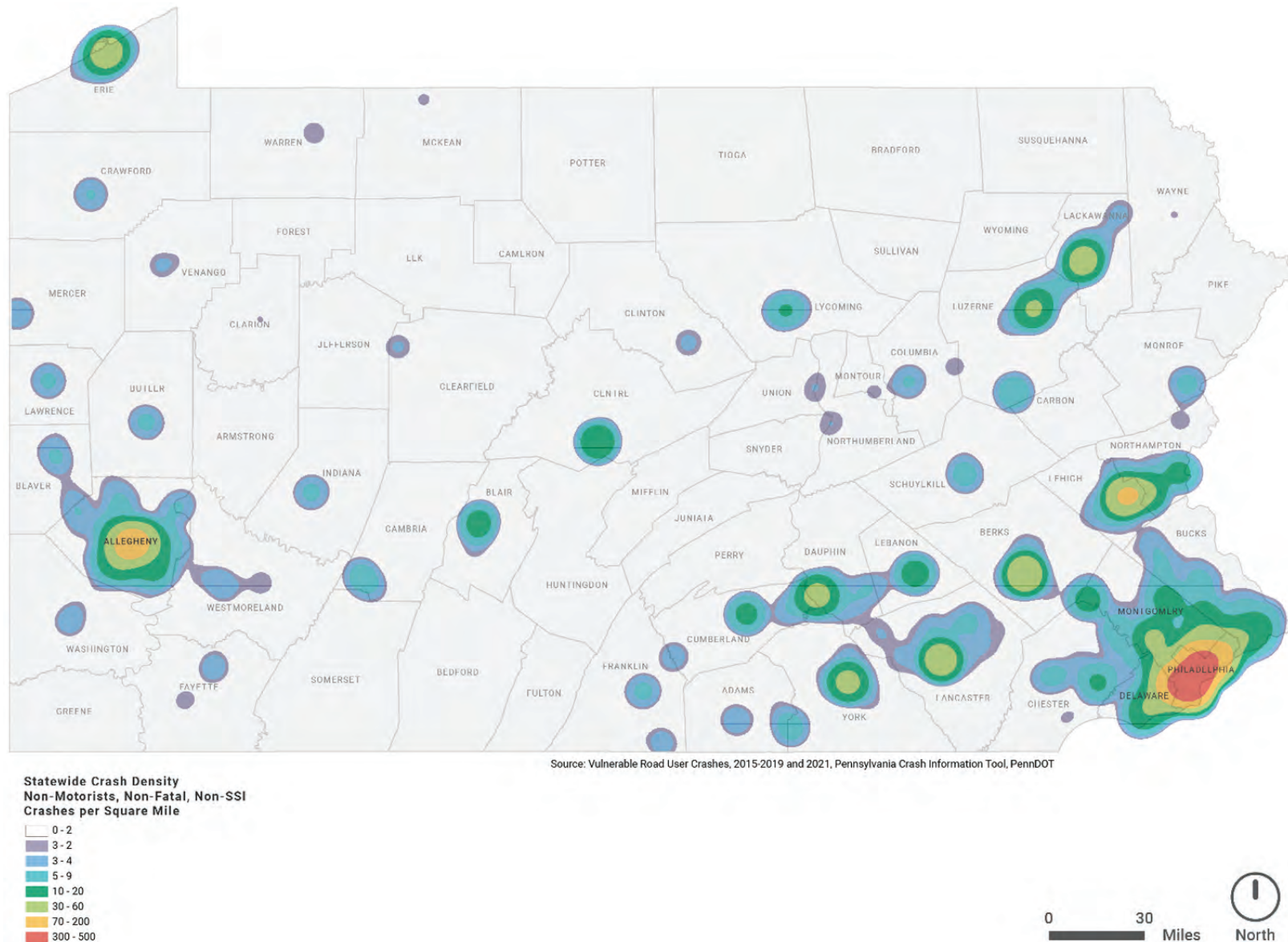
After the data sets were mapped, the results were layered on top of each other to understand where the data inputs overlapped the most. All data inputs were weighted equally. Areas with substantial data overlap suggested greater need for pedestrian and cyclist safety improvements.

Finally, the AON were defined by drawing boundaries around the geographies where the data inputs overlapped the most. The AON were further analyzed in stage two, the prioritization process, of this approach. Defining AON helps PennDOT focus its resources on places where the greatest possible benefit can be provided.



### Non-Fatal, Non-Suspected Serious Injury (SSI) Pedestrian and Cyclist Crashes

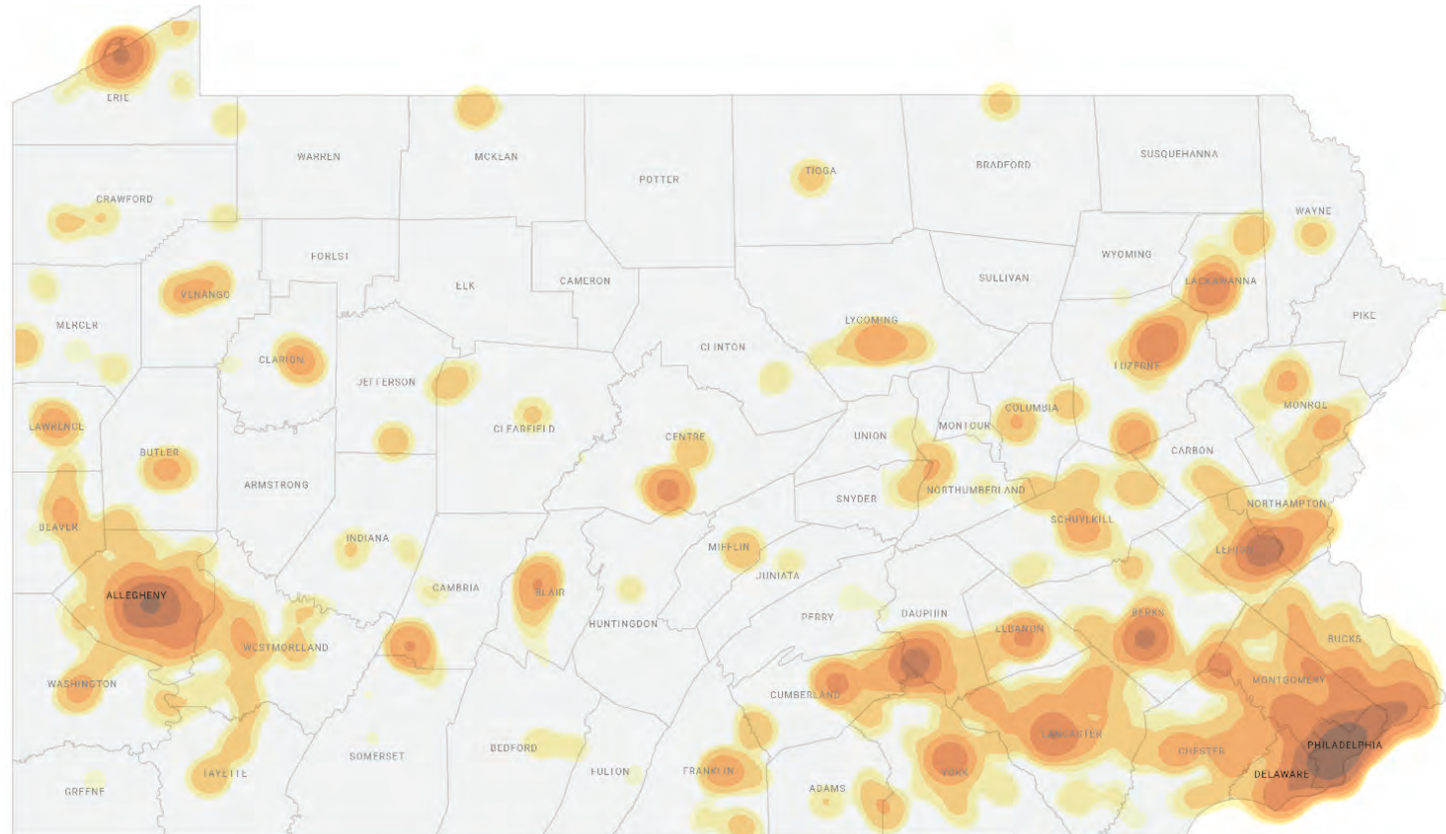
Non-fatal, non-SSI crashes involving pedestrians and cyclists in Pennsylvania from 2015 through 2021, excluding 2020, were mapped. **Figure 3-1** shows where VRU crashes happened most frequently. As expected, most of these crashes are clustered in areas with higher population densities. Understanding where these non-fatal, non-SSI pedestrian and cyclist crashes are clustered is important because without safety improvements, high crash rates will likely persist.



**Figure 3-1. Non-Fatal, Non-SSI VRU Crashes**

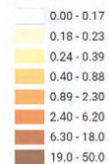
## Fatal and SSI VRU Crashes

Figure 3-2 shows the density of pedestrian and cyclist crashes in Pennsylvania from 2015 through 2021, excluding 2020, that resulted in fatalities or suspected severe injuries. Examining the density of fatal and SSI crashes is important because it shows where a high concentration of “life changing” incidents are taking place throughout the state. While any crash can negatively affect someone’s life, fatal and SSI crashes have the most long-lasting and irreversible effects. Like **Figure 3-1** above, **Figure 3-2** shows a greater concentration of fatal and SSI pedestrian and cyclist crashes in areas where the population density is higher. Even then, the data on this map suggests that in some parts of Pennsylvania outside of the densely populated Philadelphia and Pittsburgh areas, a relatively high proportion of pedestrian and cyclist crashes have resulted in fatal or SSI injuries.



Source: Vulnerable Road User Crashes, 2015-2019 and 2021, Pennsylvania Crash Information Tool, PennDOT

**Statewide Crash Density  
Non-Motorists, Fatal and SSI Crashes  
per Square Mile**



0 30 Miles



**Figure 3-1. Non-Fatal, Non-SSI VRU Crashes**



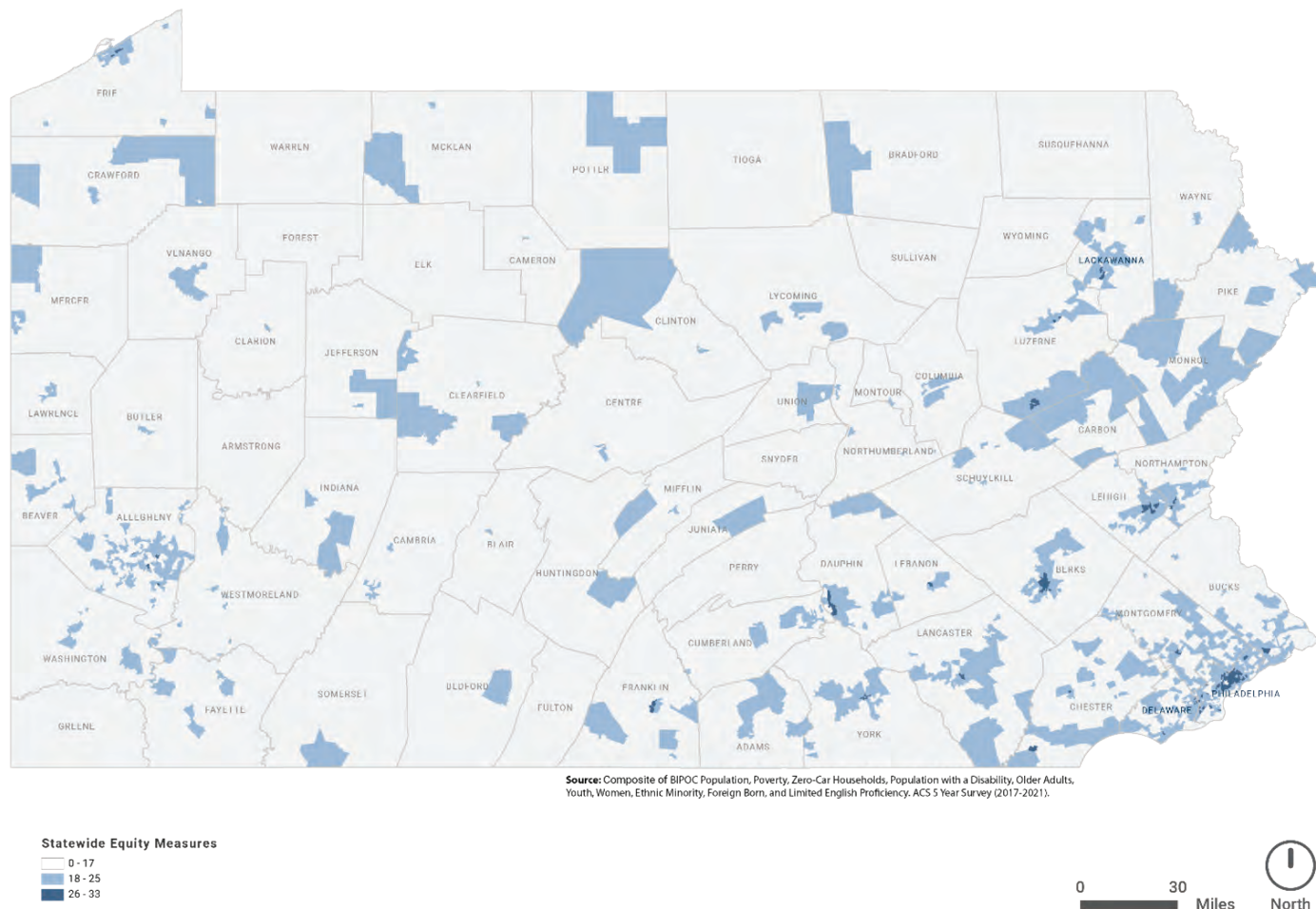
## Equity Measures

While safety is important in every part of Pennsylvania, PennDOT also focuses on locations where high pedestrian and cyclist crash rates coincide with areas that are economically or socially disadvantaged, and/or in areas where a high proportion of the population is less likely to drive or have access to a vehicle. The approach to mapping equity in Pennsylvania was modeled after the Delaware Valley Regional Planning Commission's (DVRPC's) Identification of Potential Disadvantage (IDP) mapping from their Equity Analysis for the greater Philadelphia region.

This approach was chosen for PennDOT's VRU Safety Assessment based on three key factors:

- Black, Indigenous, and People of Color
- Youth under 15
- Disability
- Hispanic
- Older Adults over 65
- Education
- Limited English Proficiency
- Poverty (pct below 150% of poverty level)
- Women

A composite of equity factors is shown in **Figure 3-3**.

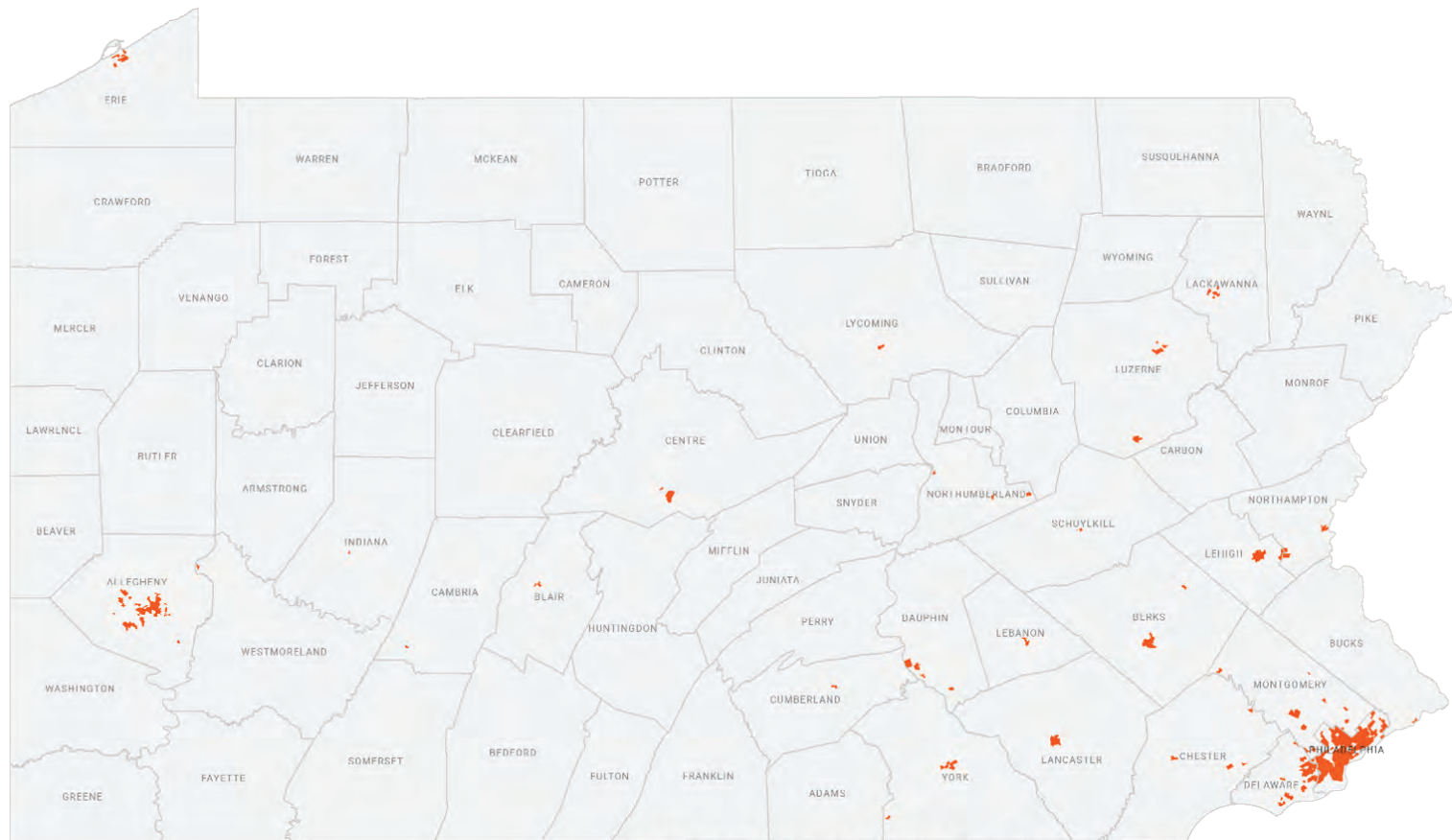


**Figure 3-3. Statewide Composite of Equity Factors**

### Areas with Latent Demand

Areas with latent demand throughout Pennsylvania were identified as places that have the potential to replace short driving trips with walking or cycling trips. Areas with latent demand are places where VRU trips are more likely to be concentrated based on factors related to population, employment, and zero-car households, among other factors. **Figure 3-4** represents areas of latent demand in Pennsylvania. Short trips in these areas relate directly to the ability to use non-motorized modes of transportation. Improving safety where pedestrians and cyclists are already traveling in higher numbers, or have the potential to travel more, not only helps protect existing pedestrians and cyclists but could also make walking and biking safer and more accessible for more people in those areas. In determining the latent demand, the following weighted considerations were used:

- Employment density = 40% weight
- Population density = 40% weight
- Zero car households = 20% weight



Source: Population Density, ACS 5 Year Survey (2017-2021). Employment Density, Longitudinal Employer Household Dynamics, All Jobs, 2019.

Latent Demand

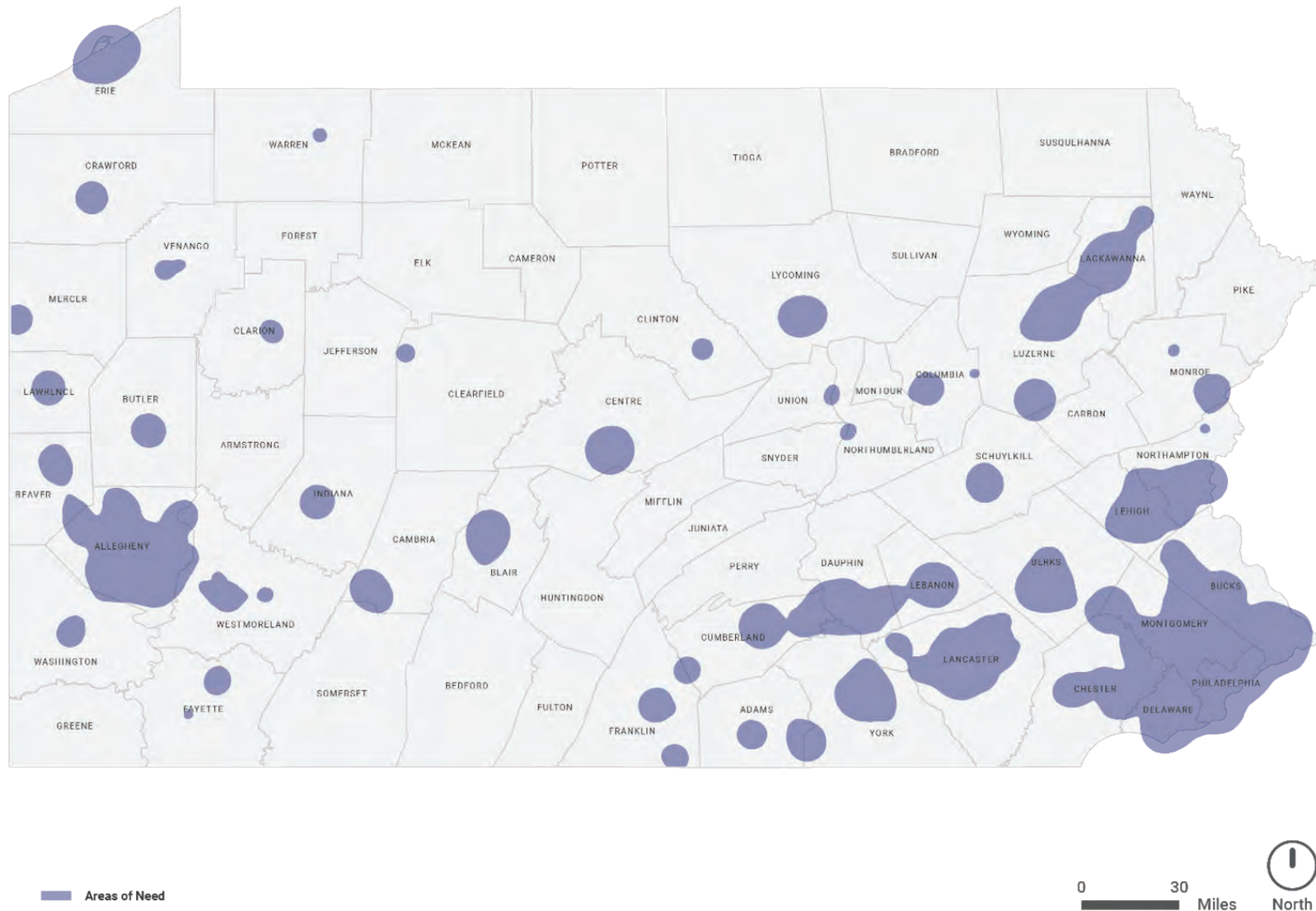
**Figure 3-4. Latent Demand in Pennsylvania**

0 30 Miles





**Figure 3-5** shows the final AON that resulted from the layering of non-fatal, non-SSI crashes; fatal and SSI crashes; equity factors; and latent demand. While still broad, these AON narrow the geography within Pennsylvania for analysis in greater detail to support the identification of high-risk areas. The second stage of this approach will be described in the subsequent section.



**Figure 3-5. AON Identified for Additional Network Screening**

### Identification of Specific High-Risk Areas

The second stage of this approach focused on the application of the Equivalent Property Damage Only (EPDO) average crash frequency performance measure within the previously defined AON to identify and prioritize high-risk areas.

The EPDO average crash frequency performance measure assigns weighting factors to crashes by severity (fatal, injury, property damage only) to develop a combined frequency and severity score per location. The weighting factors are often calculated relative to property damage only (PDO) crash costs. The societal crash costs by severity are summarized yielding an EPDO index value. The index values are then ranked in descending order to identify high ranking locations (e.g., HRAs).

Crash costs include direct and indirect costs. Direct costs could include ambulance services, police and fire services, property damage, or insurance. Indirect costs include the value society places on pain and suffering or loss of life associated with the crash.

**Table 3-1** identifies the 2022 average costs per crash by severity.

**Table 3-1. Estimated Total Societal Cost based on Crash Severity**

MAXIMUM SEVERITY	2022 AVERAGE COST	MODIFIED 2022 AVERAGE COST	WEIGHT
Fatal Injury Crashes	\$14,093,600	\$2,400,543	176.06
Suspected Serious Injury Crashes	\$800,181	\$800,181	58.69
Suspected Minor Injury Crashes	\$258,548	\$258,548	18.96
Possible Injury Crashes	\$136,685	\$136,685	10.02
Property Damage Only Crashes	\$13,635	\$13,635	1.00

A limitation of the EPDO performance measure is that it may overemphasize locations with a low frequency of severe crashes. This method is heavily influenced by the weighting factors for fatal and injury crashes. A large weighting factor for fatal crashes has the potential to rank locations with one fatal crash and a small number of injury and/or PDO crashes above locations with no fatal crashes and a relatively high number of injury and/or PDO crashes. Recognizing this limitation, the EPDO performance measure for this assessment was modified to avoid overemphasizing fatal crashes by reducing the average societal cost of a fatal injury crash to be equal to three times the societal average cost of an SSI crash. Refer to Table 3-1 for the modified average societal costs and weights used as part of this analysis.

For the identification of HRAs within the AON, the EPDO performance measure was calculated along all roadways, except limited access roads, using a sliding window segmentation analysis. A “sliding window” analysis, as described in the HSM, examines a section of a corridor using a defined segment length (i.e., the window) and moves the limits of the analysis section along the corridor in defined increments. For this analysis a window length of 0.5 miles and an increment of 0.1 miles was used for all roadways in Pennsylvania. This overlapping incremental analysis provides a more thorough corridor screening than other roadway segmentation methods.

The EPDO performance measure was calculated for every AON within each of the 12 groups of Planning Partners described in detail in Chapter 5. HRAs were identified as follows:

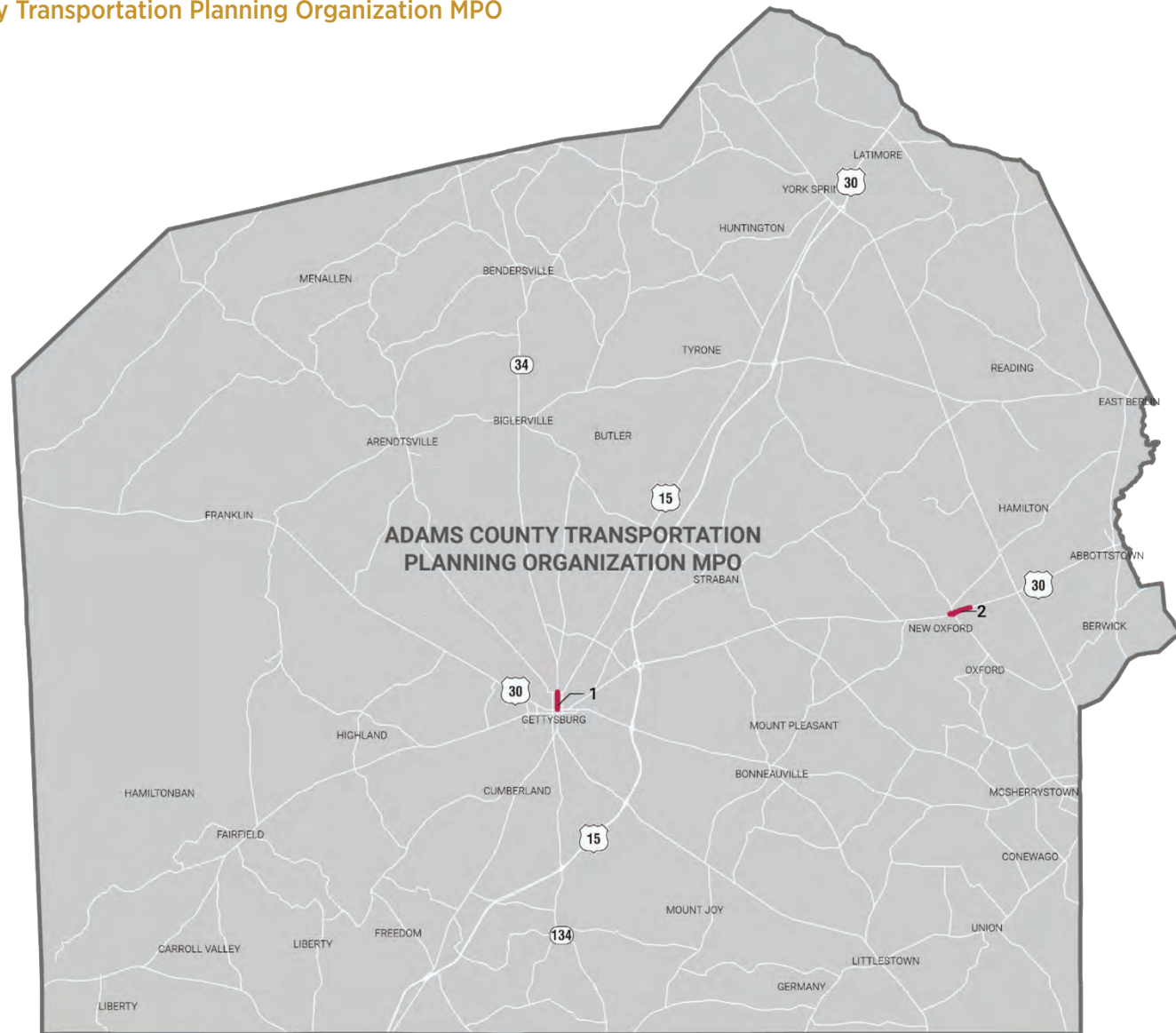


- The HRA cutoff was set at an EPDO index value  $\geq 40$ . This cutoff was established to account for the number of safety projects that could be realistically implemented to address safety concerns at HRAs.
- Locations within an AON with an EPDO index value  $\geq 40$  were identified as an HRA.
- To ensure greater geographic distribution throughout the state, if no location within a particular AON had an EPDO index value  $\geq 40$ , then the highest ranking location within that AON was identified as an HRA. In some instances, this resulted in locations with few crashes and no fatal or SSI crashes.
- Given the propensity of locations in Philadelphia with an EPDO index value  $\geq 40$ , the cutoff was increased to an EPDO index value  $\geq 80$ . Without this adjustment in the index value, Philadelphia would end up with a very long list of locations, as opposed to a prioritized list of HRAs where improvements should be focused.
- Finally, upon review of each HRA, the extents were sometimes shortened to account for the exact location of crashes, or combined with abutting locations that were also categorized as HRAs.

## List of High-Risk Areas

This process resulted in identification of 198 high-risk areas throughout Pennsylvania. They are listed below by Planning Partner.

### **Adams County Transportation Planning Organization MPO**



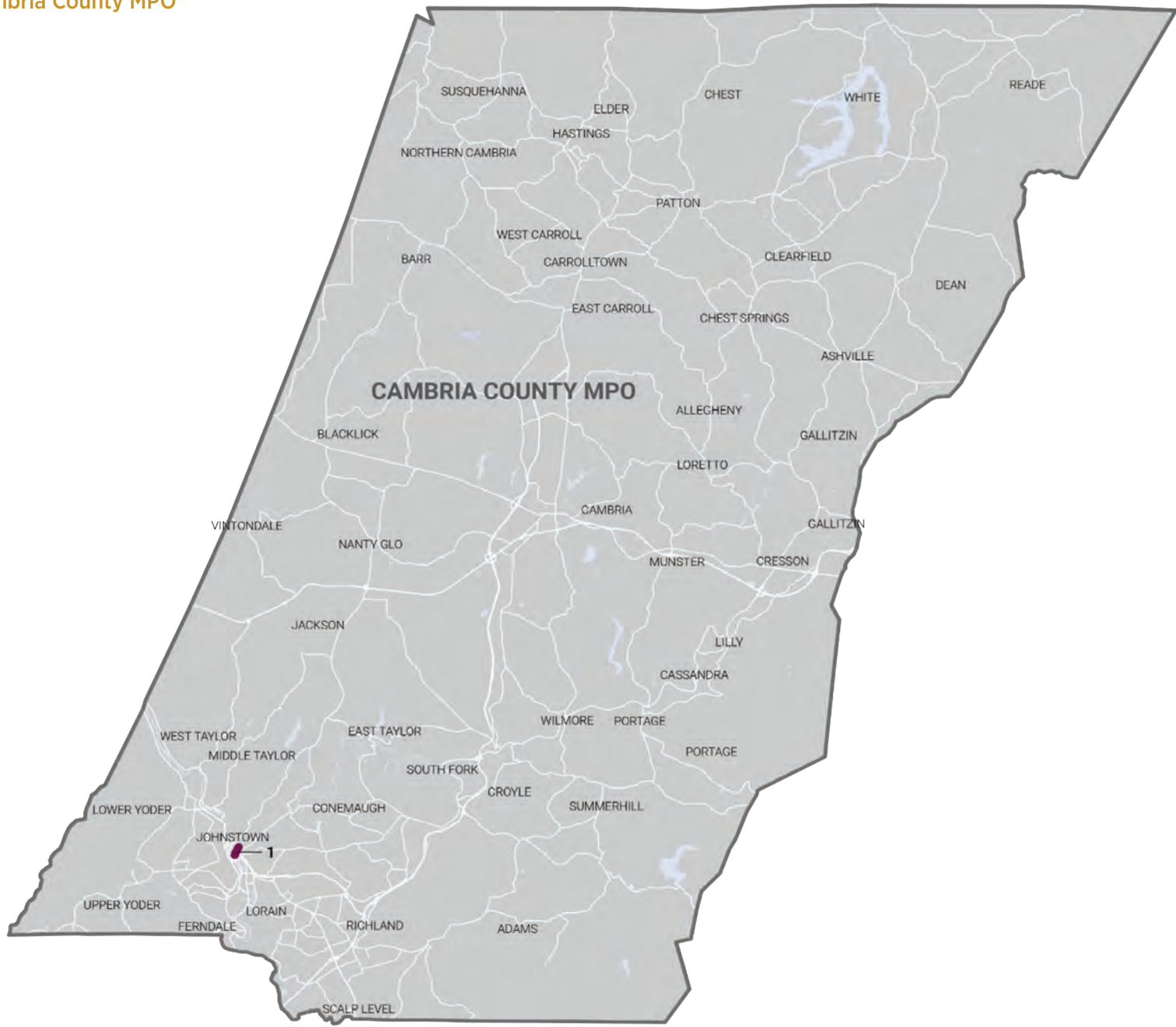
1. PA 3001, Carlisle St from Lincoln Ave to US 30, Gettysburg Borough
2. US 30, Lincoln Hwy from Bolton St to Commerce St, New Oxford Borough





1. US 220, Pleasant Valley Blvd from Cayuga Ave to Frankstown Rd, City of Altoona and Logan Township

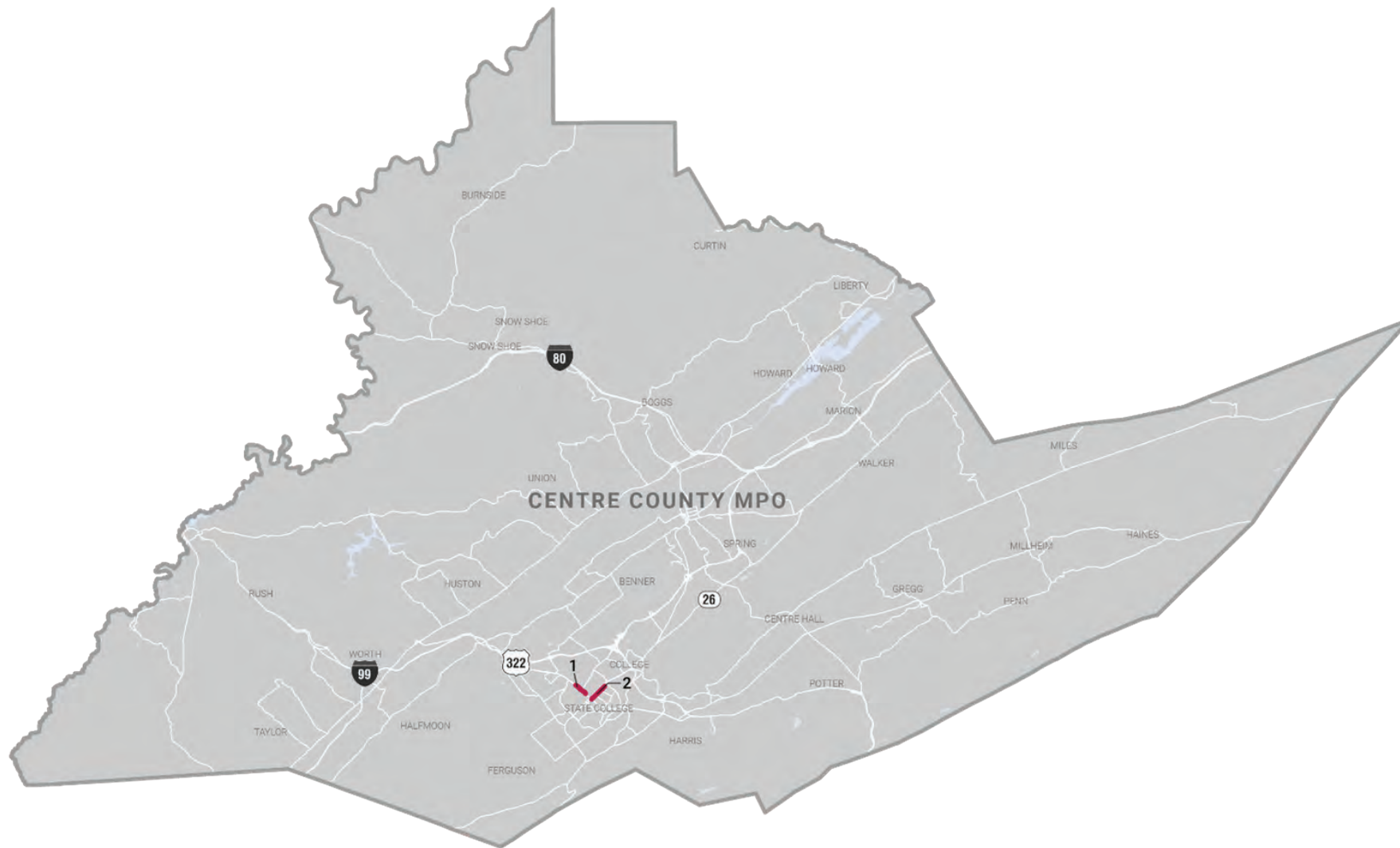
## Cambria County MPO



1. PA 3055, Franklin St from Washington St to Somerset Rd, City of Johnstown

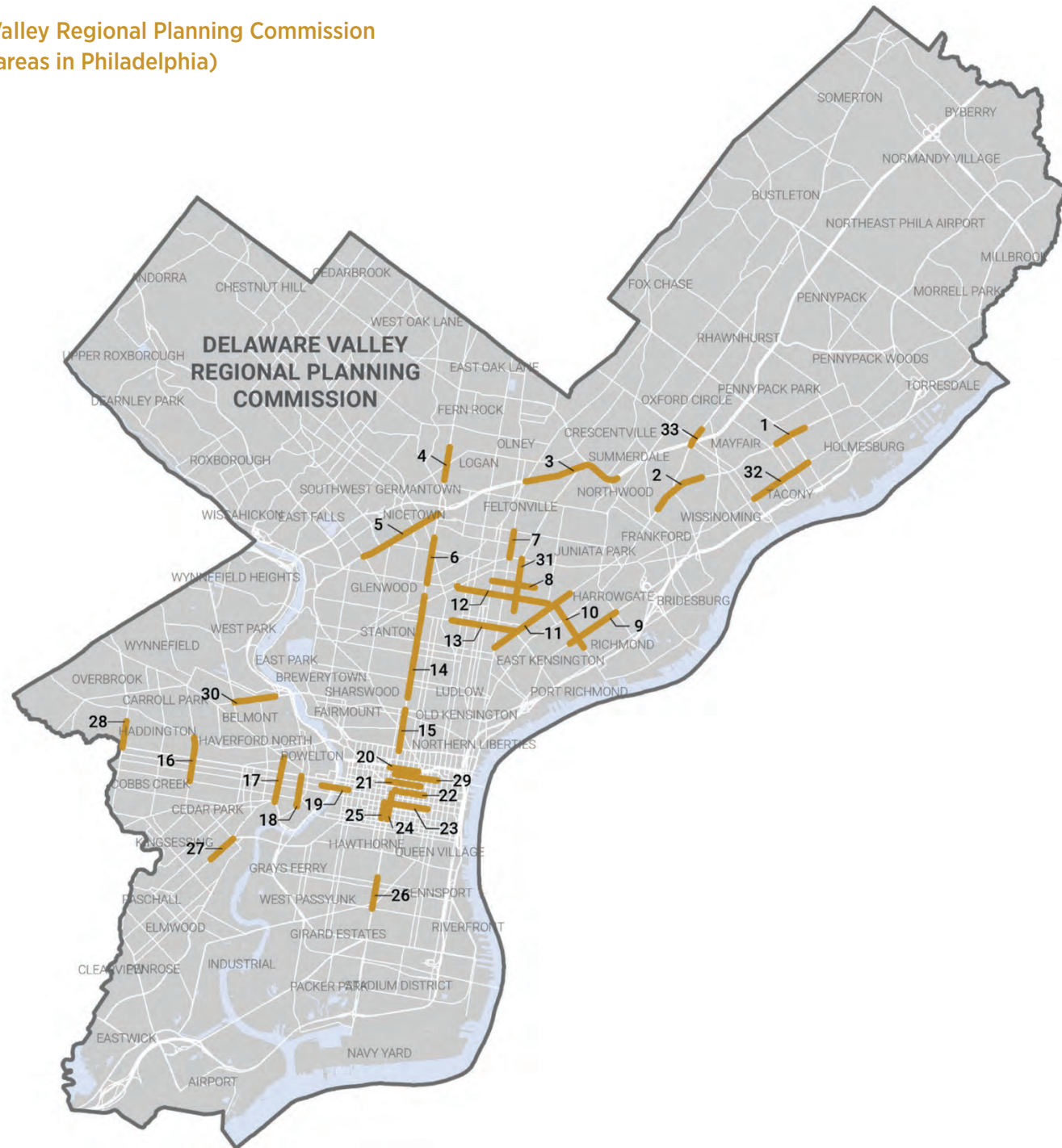


## Centre County MPO



1. US 322, N Atherton St from White Course Dr to W Mitchell Ave, State College Borough
2. PA 26, Beaver Ave from High St to N Atherton St, State College Borough

Delaware Valley Regional Planning Commission  
(High-risk areas in Philadelphia)

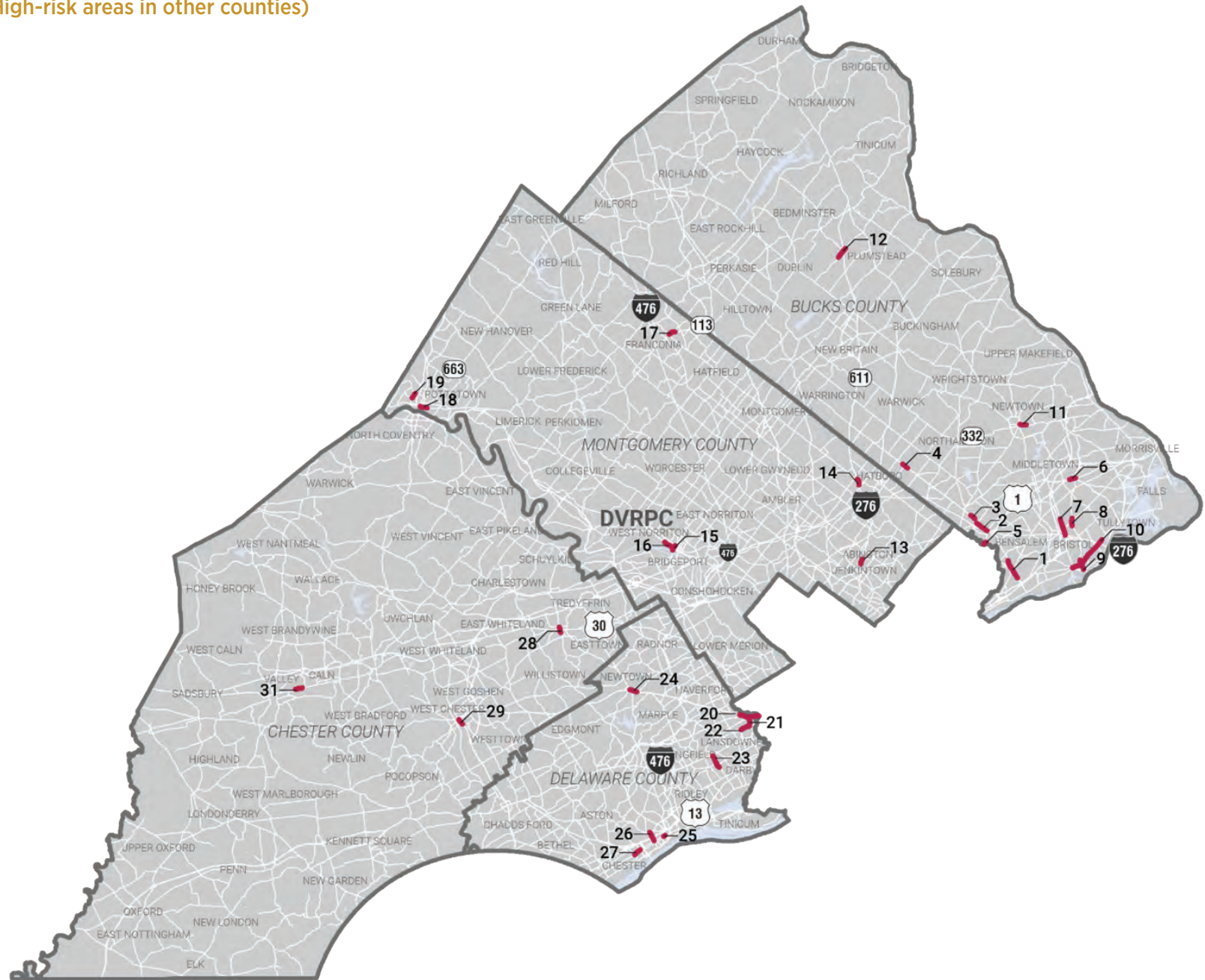


See list on next page.



1. US 13, Frankford Ave from Princeton Ave to Shelmire Ave, City of Philadelphia
2. PA 2007, Frankford Ave from Comly St to Harrison St, City of Philadelphia
3. US 1, E Roosevelt Blvd from Fillmore Ter to Rising Sun Ave, City of Philadelphia
4. PA 611, Broad St from Fisher Ave to Loudon St, City of Philadelphia
5. US 13, Hunting Park Ave from N Broad St to Fox St, City of Philadelphia
6. PA 611, Broad St from W Pike St to Allegheny Ave, City of Philadelphia
7. N Front St (GOOS) from N Hunting Park Ave to W Erie Ave, City of Philadelphia
8. PA 1003, W Ontario St from Rorer St to N 2nd St, City of Philadelphia
9. PA 2009, Aramingo Ave from Castor Ave to E Clearfield St, City of Philadelphia
10. PA 2016, Allegheny Ave from Belgrade St to Kensington Ave, City of Philadelphia
11. Kensington Ave (G046) from Ontario St to W York St, City of Philadelphia
12. PA 2016, Allegheny Ave from G St to Glenwood Ave, City of Philadelphia
13. PA 2014, W Lehigh Ave from Kensington Ave to N 8th St, City of Philadelphia
14. PA 611, Broad St from Indiana Ave to W Master St, City of Philadelphia
15. PA 611, Broad St from W Girard Ave to Nectarine St, City of Philadelphia
16. PA 3017, 52nd St from Haverford Ave to Spruce St, City of Philadelphia
17. US 13, 38th St from Lancaster Ave to Baltimore St, City of Philadelphia
18. 34th St (G051) from Market St to Convention Ave, City of Philadelphia
19. PA 3, Chestnut St from 31st St to 22nd St, City of Philadelphia
20. PA 2676, Vine St from 10th St to 15th St, City of Philadelphia
21. PA 3007, Arch St from N 9th St to N 15th St, City of Philadelphia
22. PA 2004, Market St from 8th St to Juniper St, City of Philadelphia
23. PA 3006, Walnut St from S 7th St to S Broad St, City of Philadelphia
24. PA 291, Broad St from Pine St to Penn Sq, City of Philadelphia
25. Fifteenth St (G039) from Walnut St to Pine St, City of Philadelphia
26. PA 291, Broad St from Dickinson St to Snyder Ave, City of Philadelphia
27. Woodland Ave (G097) from 49th St to Yewdall St, City of Philadelphia
28. PA 3015, 63rd St from Callowhill St to Market St, City of Philadelphia
29. Race St (G010) from Broad St to 6th St, City of Philadelphia
30. US 30, Girard Ave from Belmont Ave to 38th St, City of Philadelphia
31. PA 1003, B St from Erie Ave to Indiana Ave, City of Philadelphia
32. PA 1004, Torresdale Ave from Levick St to Cottman Ave, City of Philadelphia
33. PA 1009, Bustleton Ave from Magee Ave to Robbins Ave, City of Philadelphia

## Delaware Valley Regional Planning Commission (High-risk areas in other counties)

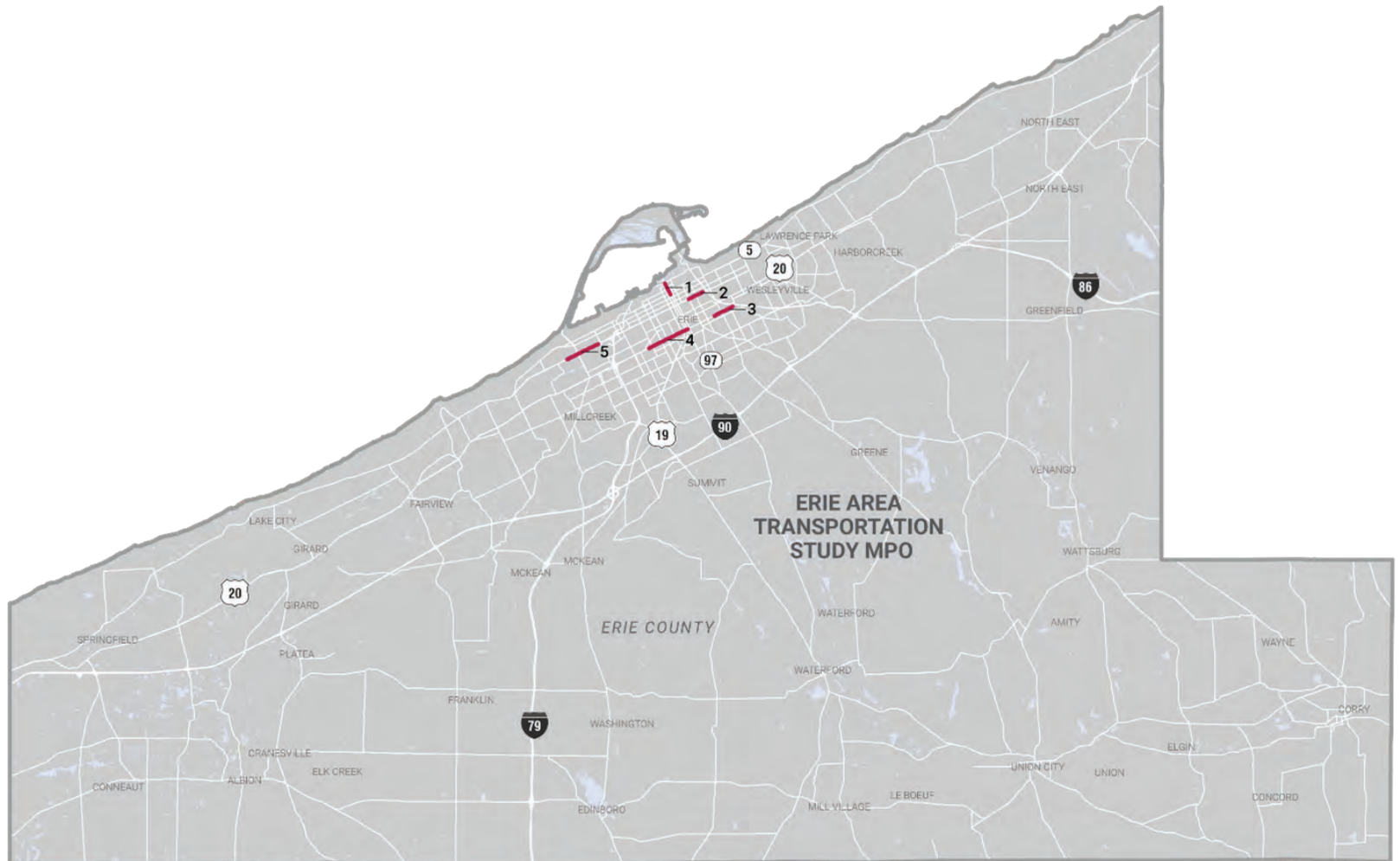


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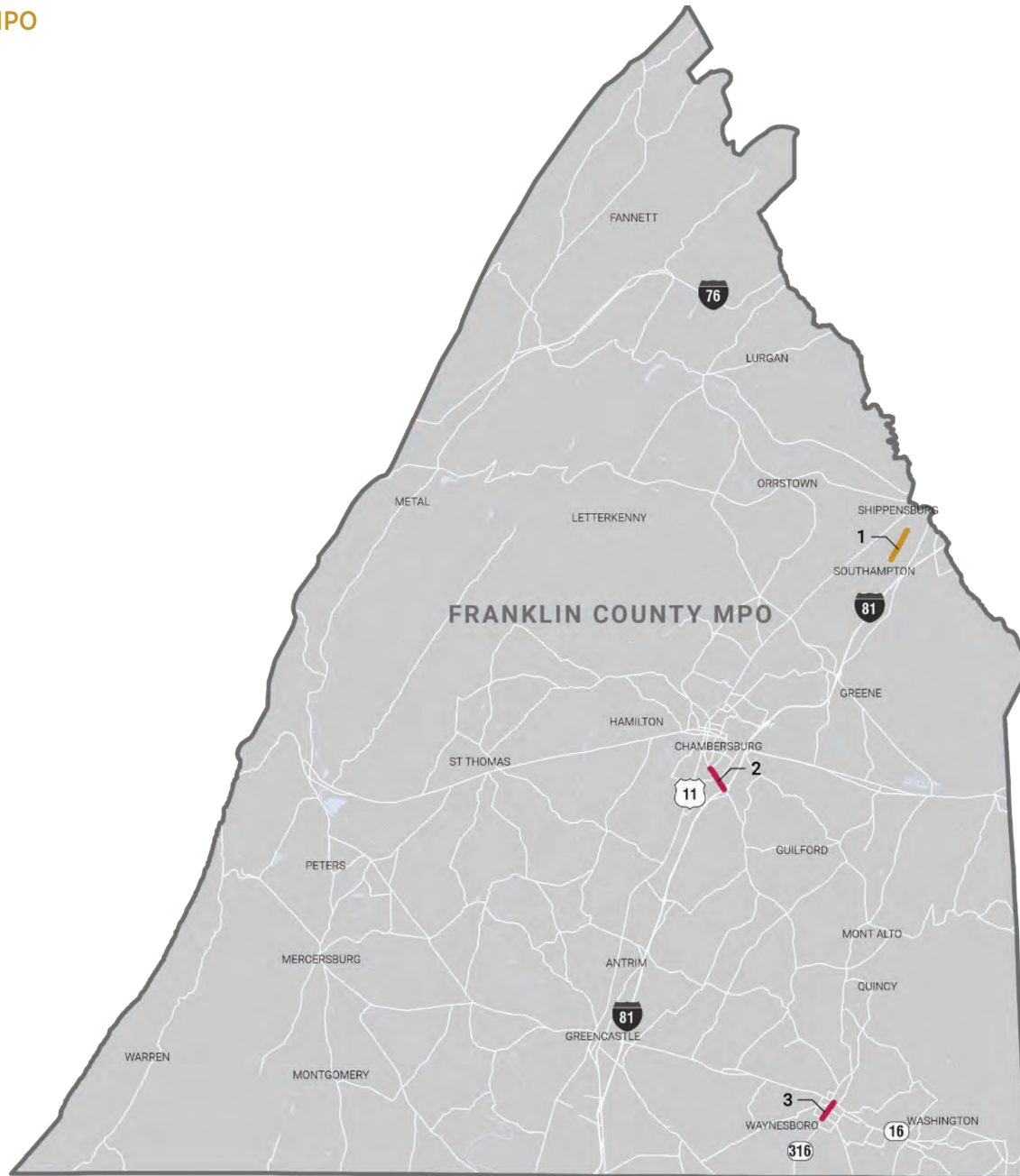
1. PA 132, Street Rd from Knights Rd to High Ave, Bensalem Township
2. PA 132, Street Rd from Philmont Ave to Old Lincoln Hwy, Bensalem Township
3. PA 132, Street Rd from Central Ave to Old Street Rd, Bensalem Township
4. PA 132, Street Rd from Hardman Ln to School House Ln, Warminster Township
5. US 1, Lincoln Hwy from Old Lincoln Hwy to Philadelphia City Limits, Bensalem Township
6. US 1, Lincoln Hwy from Oxford Valley Rd to Bucks Town Rd, Middletown Township
7. PA 413, Veterans Hwy from Oakland Ave to I-95, Middletown and Bristol Townships
8. PA 2029, Bristol Oxford Valley Rd from Cinder Ln to Jollybrook Rd, Middletown and Bristol Townships
9. PA 2029, Bath Rd from Old Orchard Ln to Otter St, Bristol Borough and Bristol Township
10. US 13, Bristol Pike from PA 413 to Airport Rd, Bristol Borough and Bristol Township
11. PA 6332, Washington Ave from State St to Norwood Ave, Newtown Borough
12. PA 1010, Stump Rd from Meetinghouse Rd to south of German Rd, Plumstead Township
13. PA 611, Old York Rd from Madeira Ave to Fairway, Jenkintown Borough and Abington Township
14. PA 611, Easton Rd from Horsham Rd to Fair Oaks Ave, Horsham Township
15. US 202, Markley St from Washington St to Marshall St, Norristown
16. Main St (G115) from Hamilton St to Markley St, Norristown
17. PA 113, Harleysville Pike from Godshall Rd to Bergey Rd, Franconia Township
18. PA 4031, High St from Hanover St to Washington St, Pottstown Borough
19. PA 100, Pottstown Boyertown Byp from Manatawny St to Shoemaker Rd, Pottstown Borough
20. PA 3, W Chester Pike from Cobbs Creek Pkwy to State Rd, Upper Darby Township and Millbourne
21. 69th St (G069) from Locust St to W Chester Pike, Upper Darby Township
22. PA 2024, Marshall Rd from 69th St Blvd to Wycombe Ave, Upper Darby Township
23. PA 2015, Oak Ave from Cambridge Cir to Magnolia Ave, Upper Darby Township and Aldan Borough
24. PA 3, W Chester Pike from Newtown St Rd to Bryn Mawr Ave, Newtown Township
25. US 13, Post Rd from Avenue of the States to Madison St, City of Chester
26. Kerlin St (G438) from Concord Ave to Upland Ave, City of Chester and Upland Borough
27. US 13, 9th St from Yarnall St to Highland Ave, City of Chester and Chester Township
28. PA 1005, Valley Rd from Central Ave to Circular Ave, Tredyffrin Township
29. US 322, High St from Market St to Price St, West Chester Borough
30. US 30, Lincoln Hwy from Toth Ave to Diamond St, Caln Township

## Erie Area Transportation Study MPO



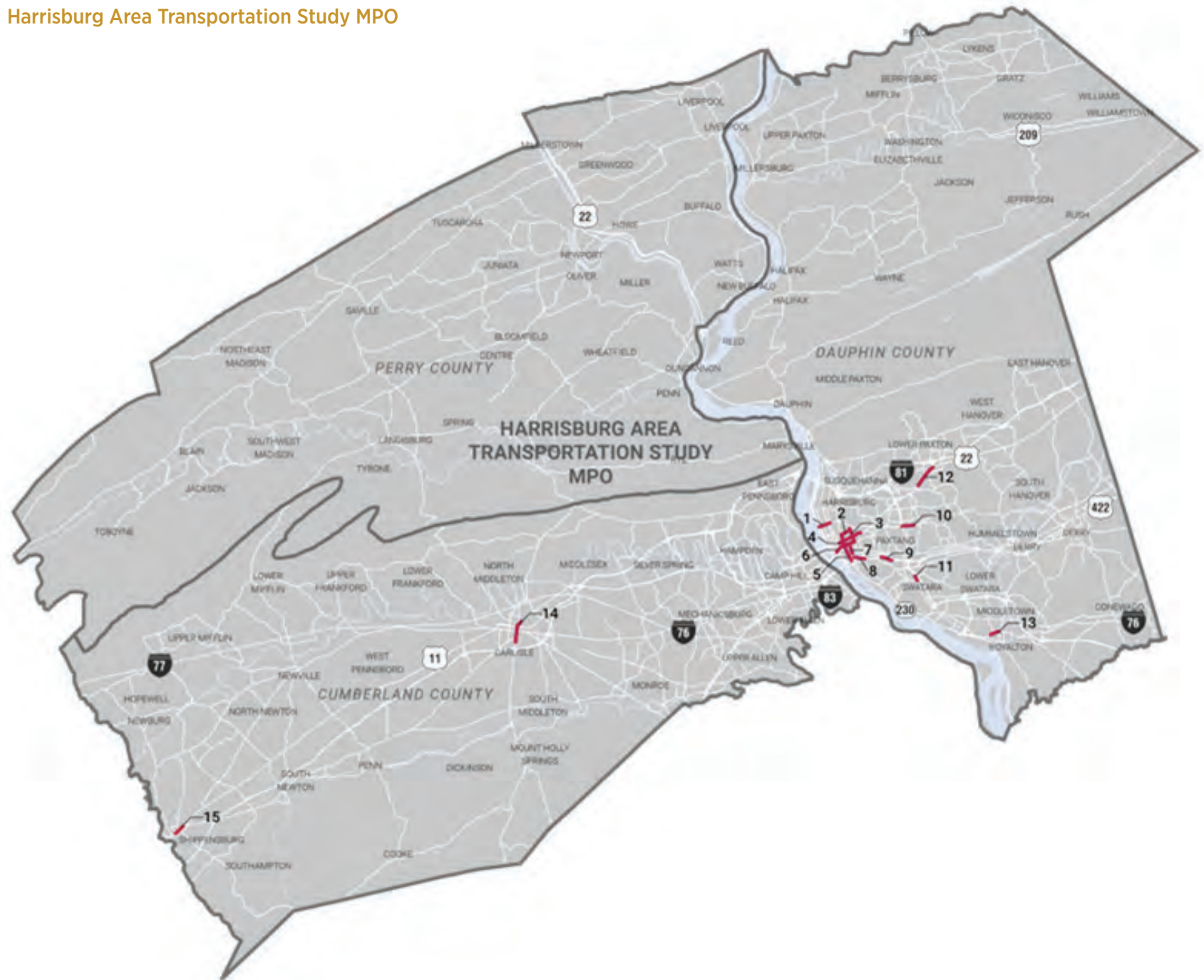
1. State St (C047) from Bayfront Pkwy to S Park Row, City of Erie
2. PA 5, 12th St from Parade St to Wayne St, City of Erie
3. US 20, 26th St from Elm St to Wayne St, City of Erie
4. US 20, 26th St from State St to Cranberry St, City of Erie
5. PA 5, 12th St from Michigan Blvd to Erie Plz, Millcreek Township





1. Possum Hollow Rd from Beech Tree St to Possum Hollow Rd, Southampton Township
2. PA 316, Wayne Ave from Coldbrook Ave to I-81, Chambersburg Borough
3. PA 316, Potomac St from 6th St to Main St, Waynesboro Borough

## Harrisburg Area Transportation Study MPO

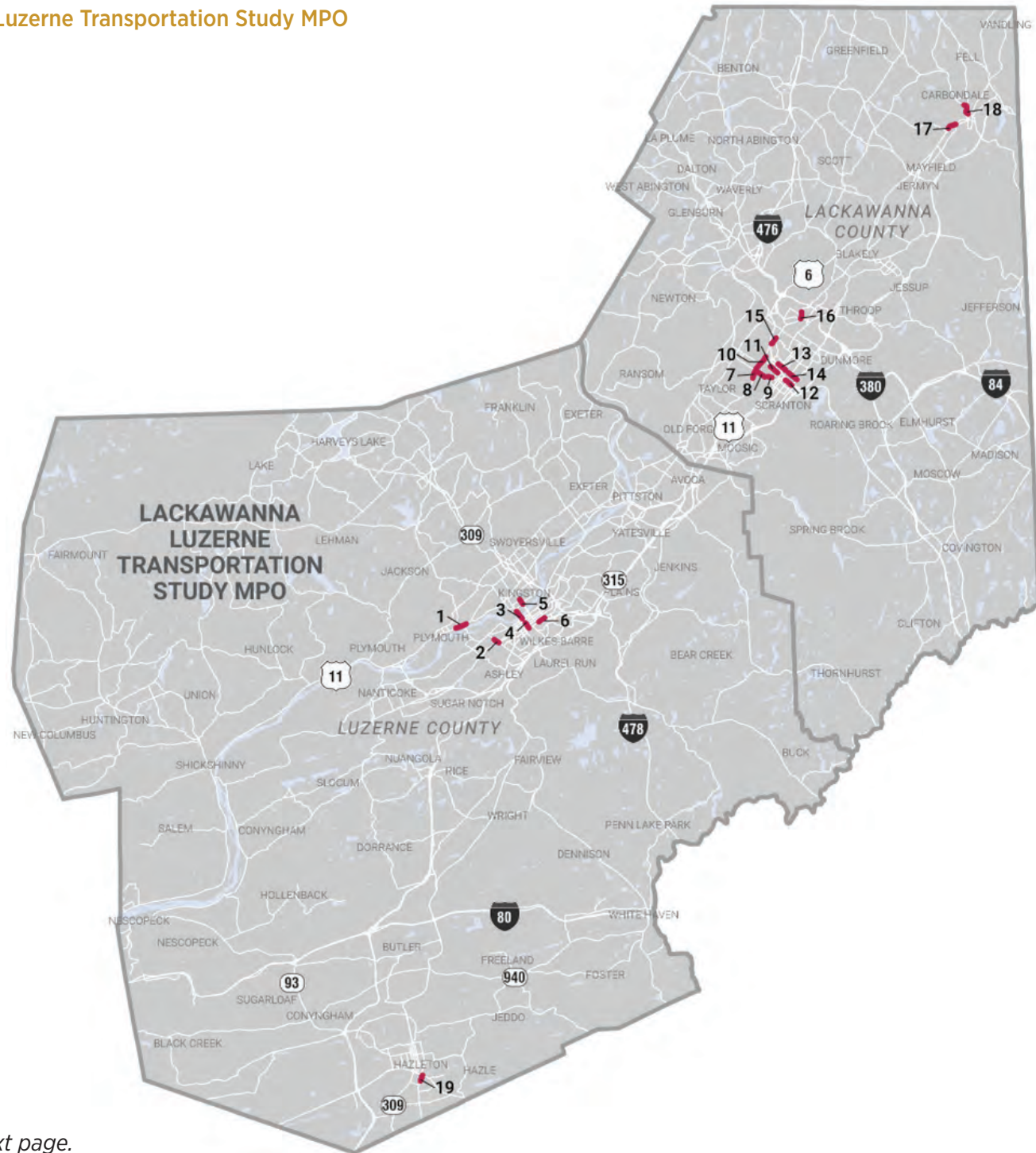


See list on next page.



1. Maclay St (D070) from 2nd St to 7th St, City of Harrisburg
2. PA 3018, Herr St from Cameron St to 15th St, City of Harrisburg
3. 17th St (D083) from Verbeke St to Market St, City of Harrisburg
4. PA 3014, State St from 7th St to Rivington Ter, City of Harrisburg
5. PA 230, Cameron St from Herr St to I-83, City of Harrisburg and Susquehanna Township
6. Market St (D018) from 2nd St to 16th St, City of Harrisburg
7. 13th St (D081) from Market St to Albert St, City of Harrisburg
8. PA 3010, Paxton St from 13th St to 19th St, City of Harrisburg
9. PA 3010, Paxton St from 29th St to Mall Dr, Swatara Township
10. PA 3020, Union Deposit Rd from Lakewood Dr to I-83, Lower Paxton Township
11. PA 441, Eisenhower Blvd from Highland St to Lindel Rd, Swatara Township
12. US 22, Allentown Blvd/Jonestown Rd from Park Chester Rd to Mountain Rd, Lower Paxton Township
13. PA 230, Main St from Race St to Catherine St, Middletown Borough
14. PA 34, Hanover St from Gardner Ave to Ridge St, Carlisle Borough
15. US 11, King St from Richwalter St to Prince St, Shippensburg Borough

## Lackawanna Luzerne Transportation Study MPO

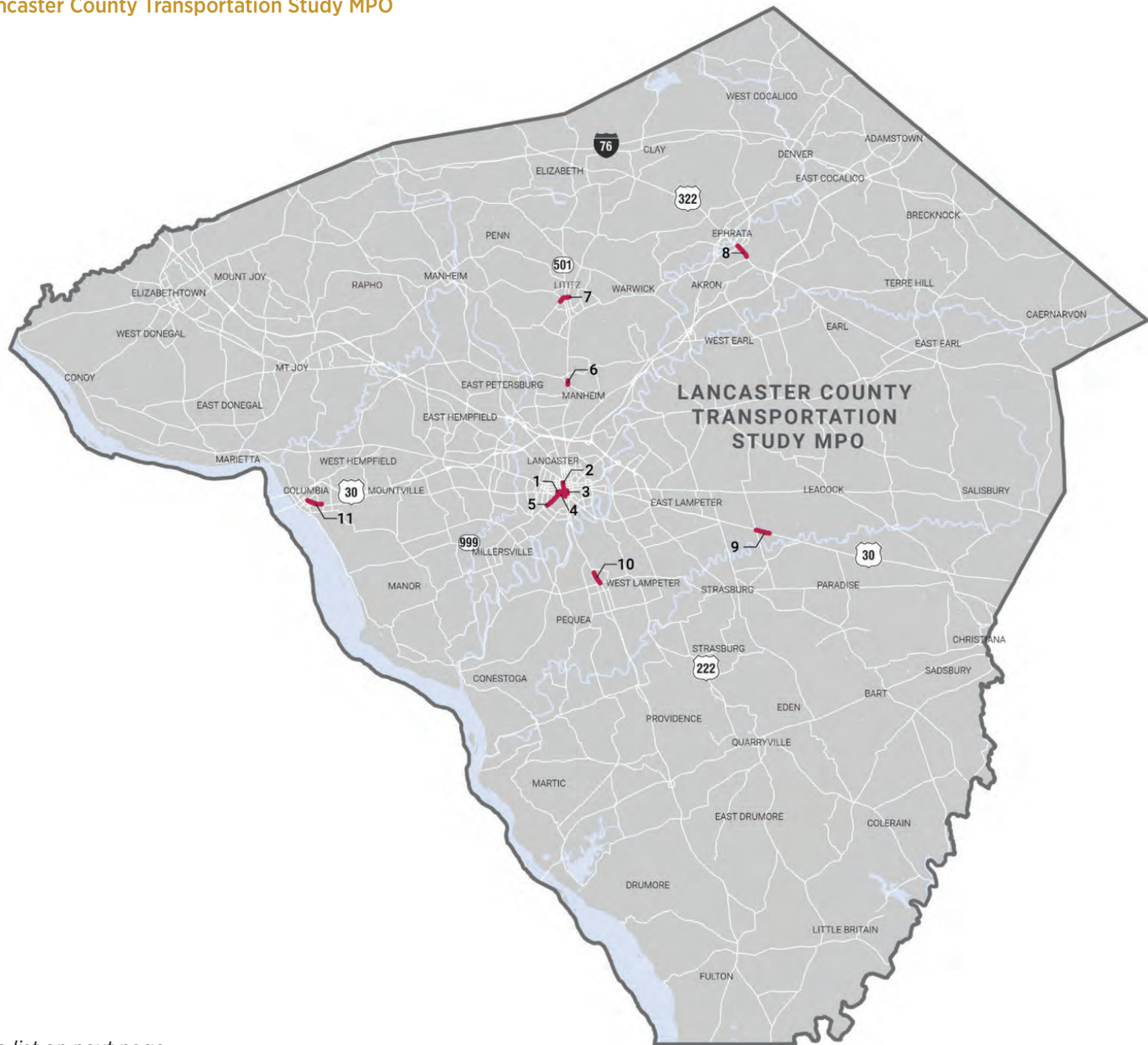


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1. US 11, Main St from Washington Ave to Chestnut St, Plymouth and Larksville Boroughs
2. PA 2005, Horton St/Blackman St from Barney St to Beech St, City of Wilkes-Barre
3. PA 1009, Market St from River St to Northampton St, City of Wilkes-Barre and Kingston Borough
4. Market St (K066) from Wilkes Barre Blvd to Market St/Public Sq, City of Wilkes-Barre
5. Pierce St (K057) from Tioga Ave to 3rd Ave, Kingston Borough
6. Wilkes Barre Blvd (K072) from Butler St to Scott St, City of Wilkes-Barre
7. PA 3013, Main Ave from Locust St to Division St, City of Scranton
8. Luzerne St (K129) from Main Ave to Railroad Ave, City of Scranton
9. Broadway St (K129) from Wyoming Ave to Third Ave, City of Scranton
10. PA 3013, Main Ave from Washburn St to Howell St, City of Scranton
11. Lackawanna Ave (K136) from Cliff Ave to Washington Ave, City of Scranton
12. PA 307, Moosic St from Harrison Ave to Prospect Ave, City of Scranton
13. US 11, Mulberry St from Franklin Ave to Jefferson Ave, City of Scranton
14. PA 3037, Mulberry St from Hitchcock Ct to Harrison Ave, City of Scranton
15. PA 3013, Main Ave from Court St to US 11, City of Scranton
16. Main Ave (K107) from Parker St to Marvine Ave, City of Scranton
17. US 6, Brooklyn St from Bridge Ct to Carbondale Area High Dwy, City of Carbondale
18. PA 106, Dundaff St from DeWitt to Main St, City of Carbondale
19. PA 3017, Poplar St from Elm St to Broad St, City of Hazleton

## Lancaster County Transportation Study MPO

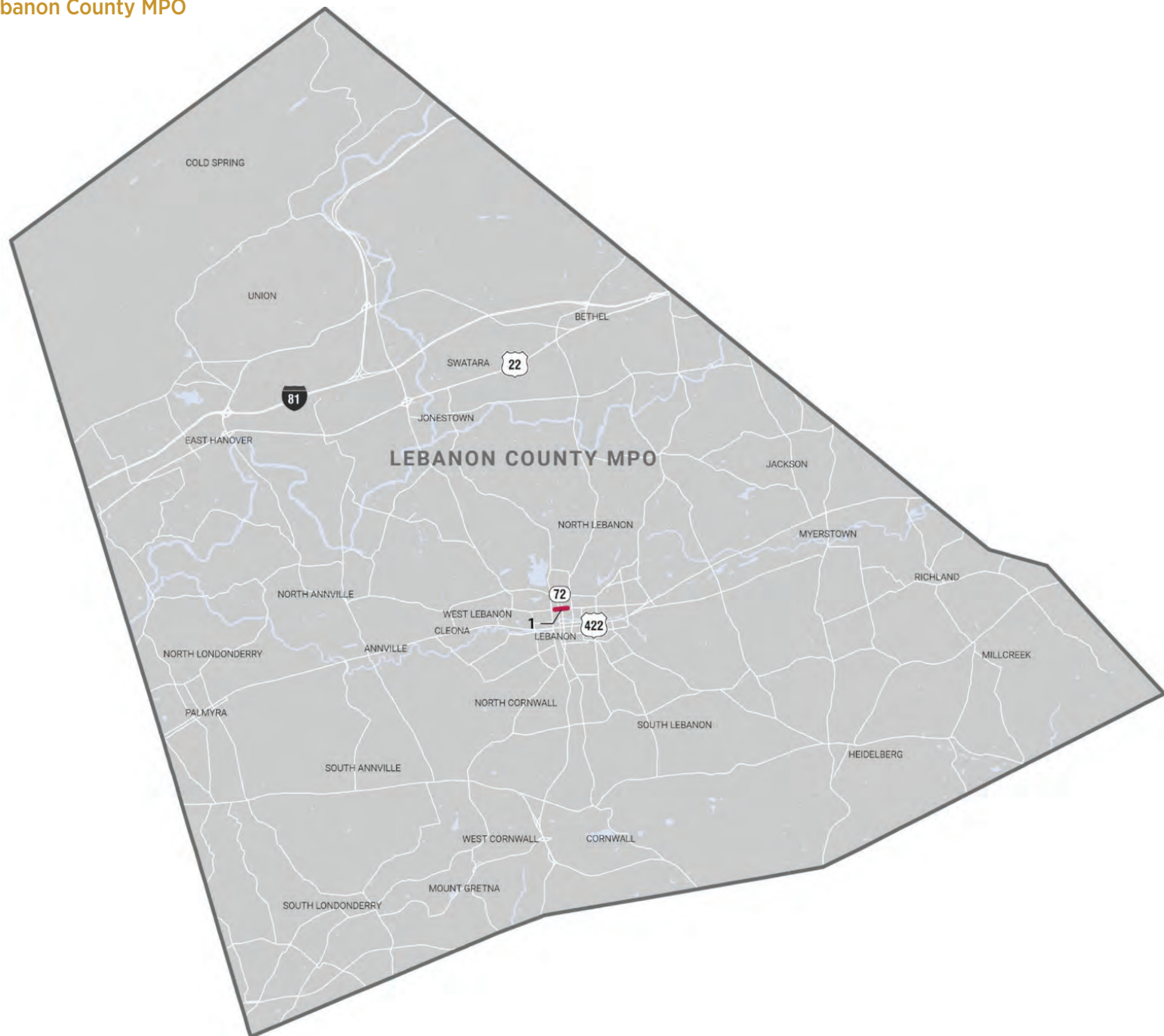


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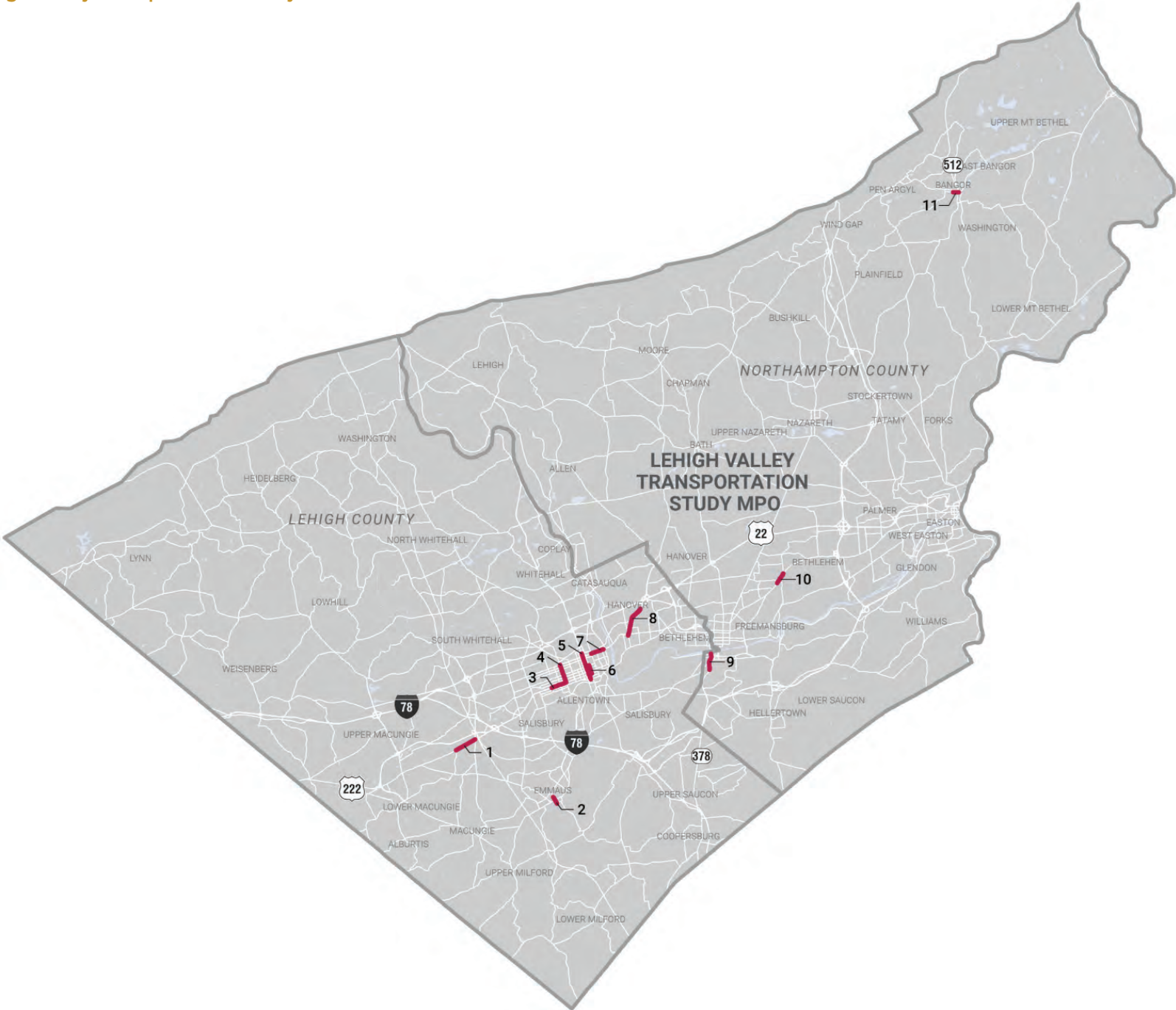


1. PA 1002, Orange St from Charlotte St to Queen St, City of Lancaster
2. US 222, Prince St from Lemon St to Vine St, City of Lancaster
3. PA 72, Queen St from King St to Orange St, City of Lancaster
4. PA 462, King St from Charlotte St to Queen St, City of Lancaster
5. PA 999, Manor St from Prospect St to King St, City of Lancaster
6. PA 501, Lititz Pk from Terrace Dr to Petersburg Rd, Manheim Township
7. PA 4022, 2nd Ave/Woodcrest Ave from Walnut St to Cedar St, Lititz Borough
8. US 322, Main St from Michael Ct to Church St, Ephrata Borough
9. US 30, Lincoln Hwy from Ronks Rd to Soudersburg Rd, Leacock Township
10. US 222, Willow St Pk from Beaver Valley Pk to Willow Valley Dr, West Lampeter Township
11. PA 462, Lancaster Ave from Locust St to Washington St, Columbia Borough

## Lebanon County MPO



1. Lehman St (D100) from 11th St to Liberty St, City of Lebanon



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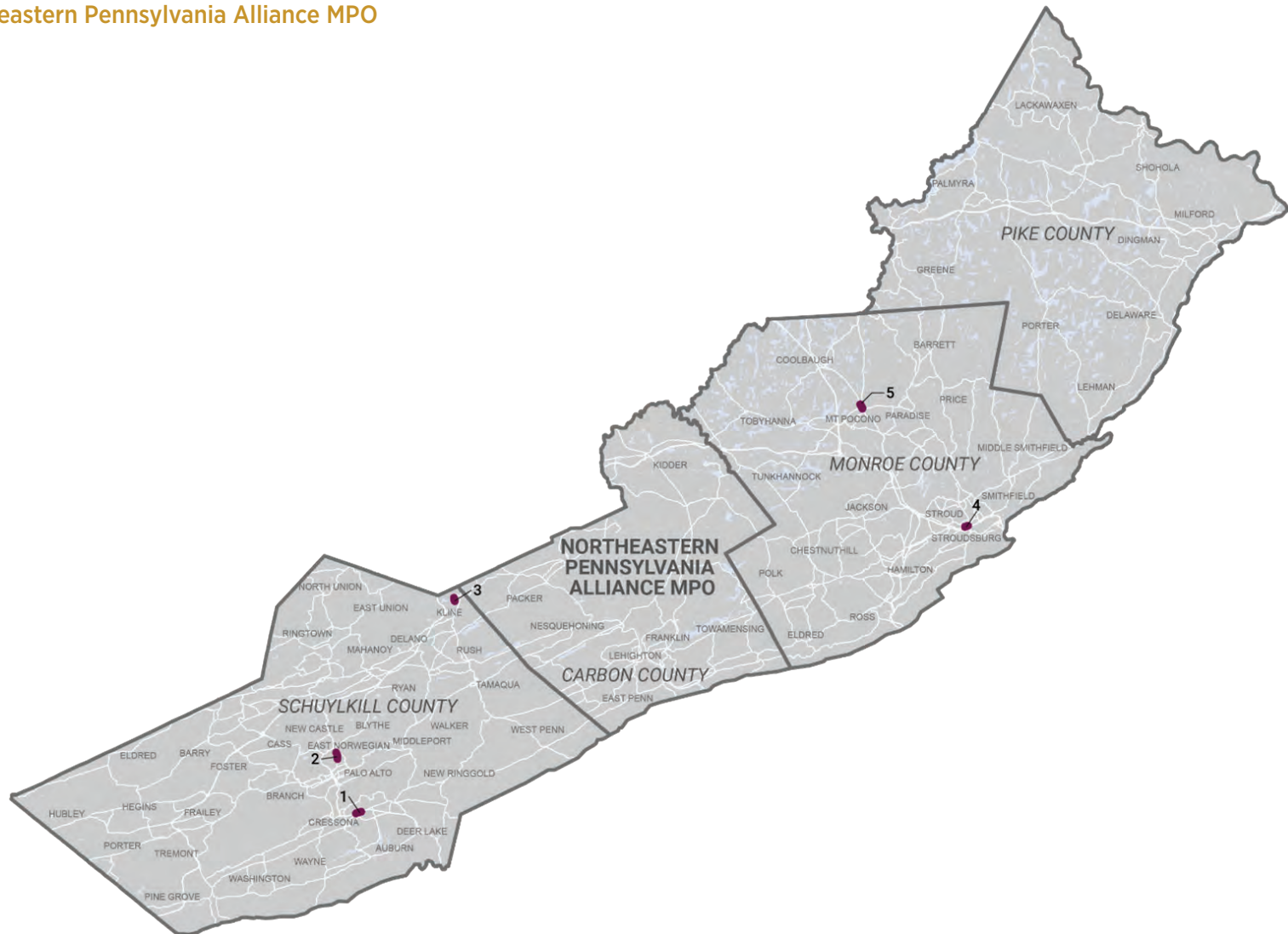
1. PA 6222, Hamilton Blvd from Krocks Ct to Brookside Rd, Lower Macungie Township
2. 6th St (A038) from Ridge St to Broad St, Emmaus Borough
3. PA 222, Hamilton Blvd from 15th St to 20th St, City of Allentown
4. PA 2003, 15th St from Tilghman St to Hamilton St, City of Allentown
5. PA 145, 7th St from Jackson St to Washington St, City of Allentown
6. PA 145, 6th St from Hamilton St to Chew St, City of Allentown
7. PA 1002, Tilghman St from Railroad St to 4th St, City of Allentown
8. PA 1003, Airport Rd from Clay St to north of Airport Center Rd, City of Allentown and Hanover Township
9. PA 378, Wyandotte St from Brighton St to 8th St, City of Bethlehem
10. PA 2020, Easton Ave from Butztown Rd to Hecktown Rd, Bethlehem Township and City of Bethlehem
11. PA 1016, Broadway St from 4th St to Murray St, Bangor Borough

## North Central PA Regional Planning and Development Commission RPO



1. US 219, DuBois Ave from Liberty Blvd to Larsen Dr, City of DuBois and Sandy Township

## Northeastern Pennsylvania Alliance MPO



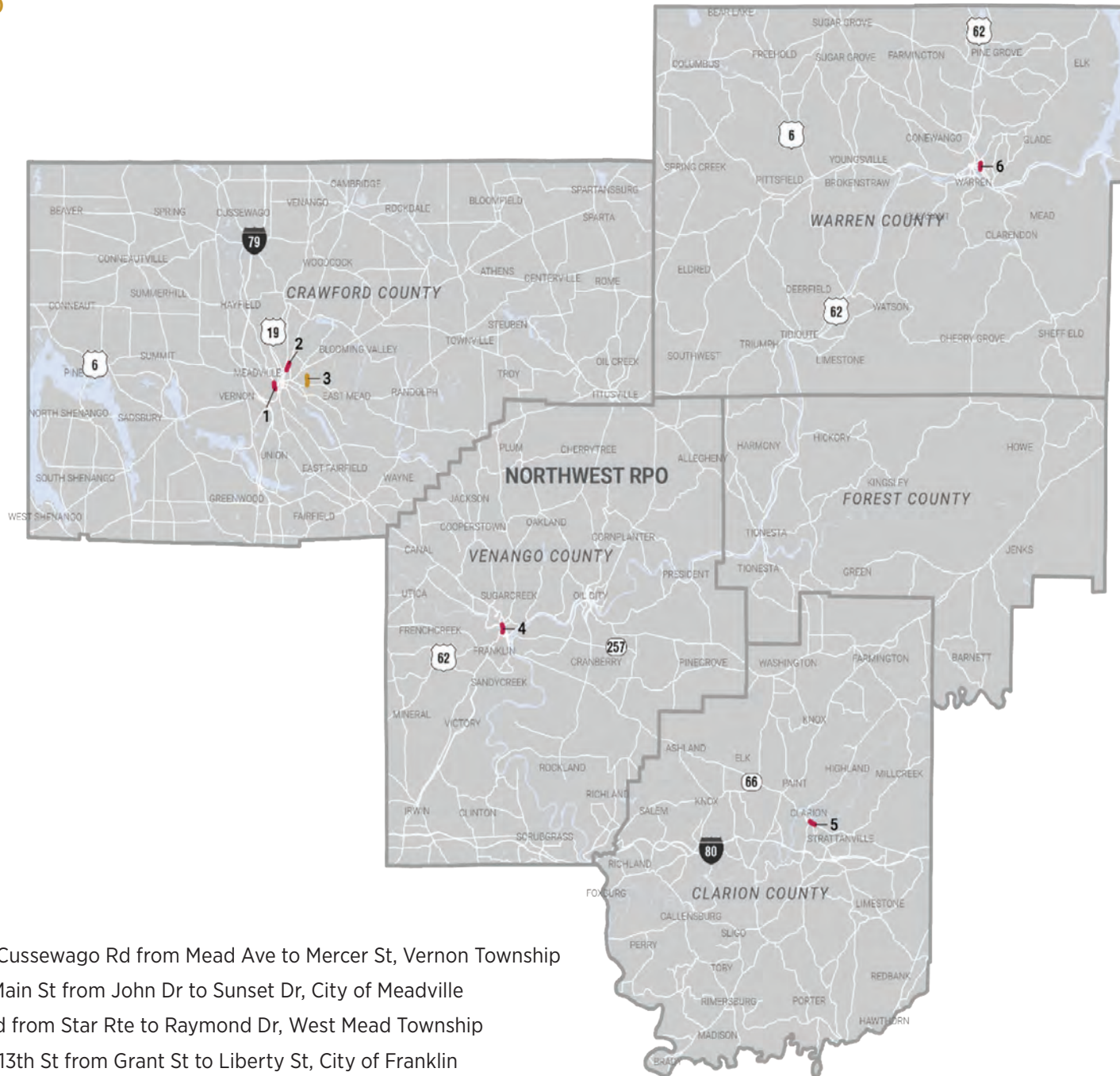
1. PA 61 from Manheim Rd to Keystoker Ln, North Manheim Township
2. PA 61, Saint Clair Bypass from north of Tunnel Rd to Russel St, Saint Clair Borough, Norwegian Township, and East Norwegian Township
3. PA 1009, 4th St from Wargo Dr to James St, Kline Township
4. US 209, Main St from 9th St to 6th St, Stroudsburg Borough
5. PA 611, Pocono Blvd from PA 940 to Pine Hill Rd, Mount Pocono Borough

## Northern Tier Regional Planning and Development Commission RPO

- There were no HRAs identified in this region.

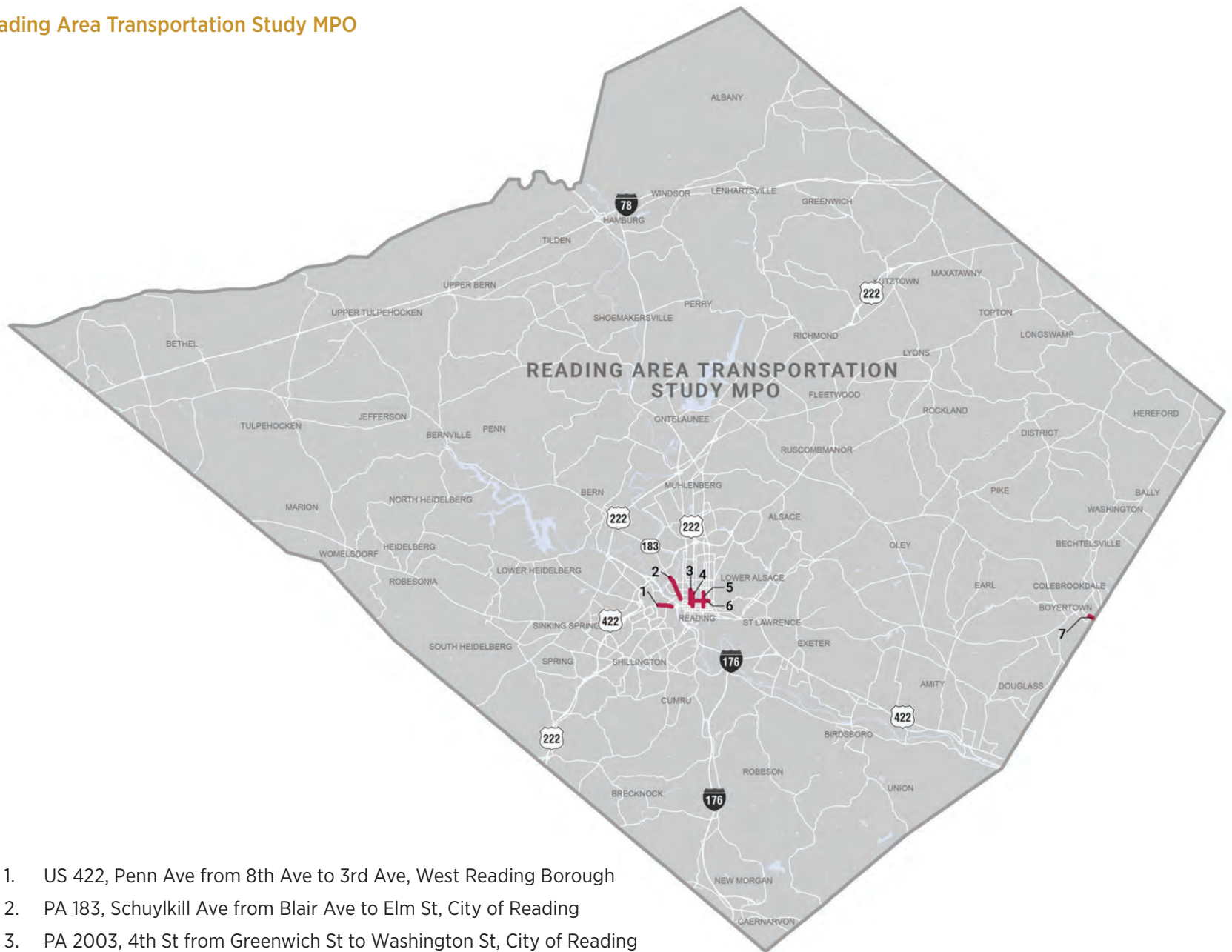


## Northwest RPO

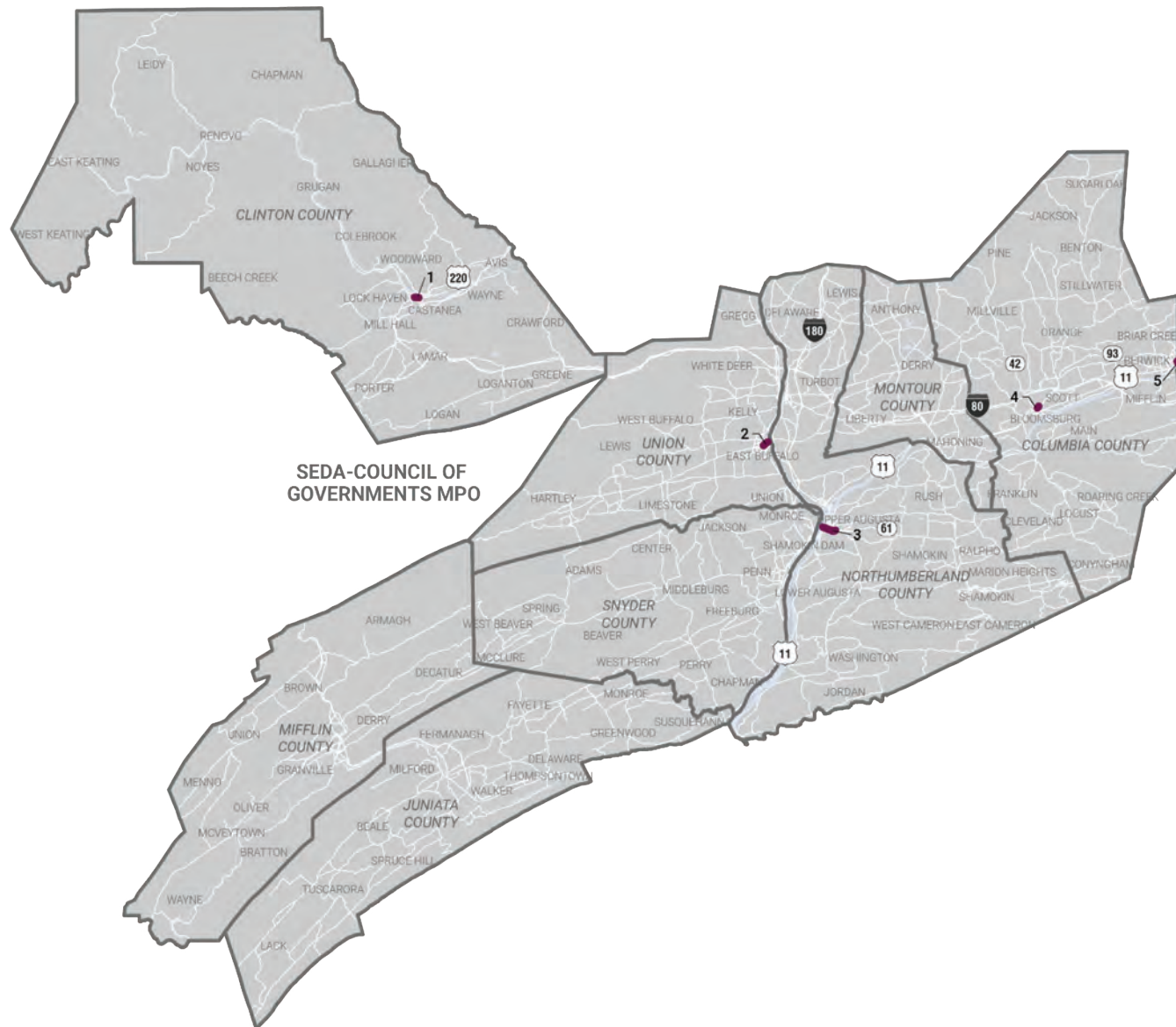


1. PA 102, Cussewago Rd from Mead Ave to Mercer St, Vernon Township
2. PA 86, Main St from John Dr to Sunset Dr, City of Meadville
3. Leslie Rd from Star Rte to Raymond Dr, West Mead Township
4. US 322, 13th St from Grant St to Liberty St, City of Franklin
5. US 322, Main St from 5th Ave to Arnold Ave, Clarion Borough
6. PA 1011, Conewango Ave from Verbeck St to Pennsylvania Ave, City of Warren

## Reading Area Transportation Study MPO



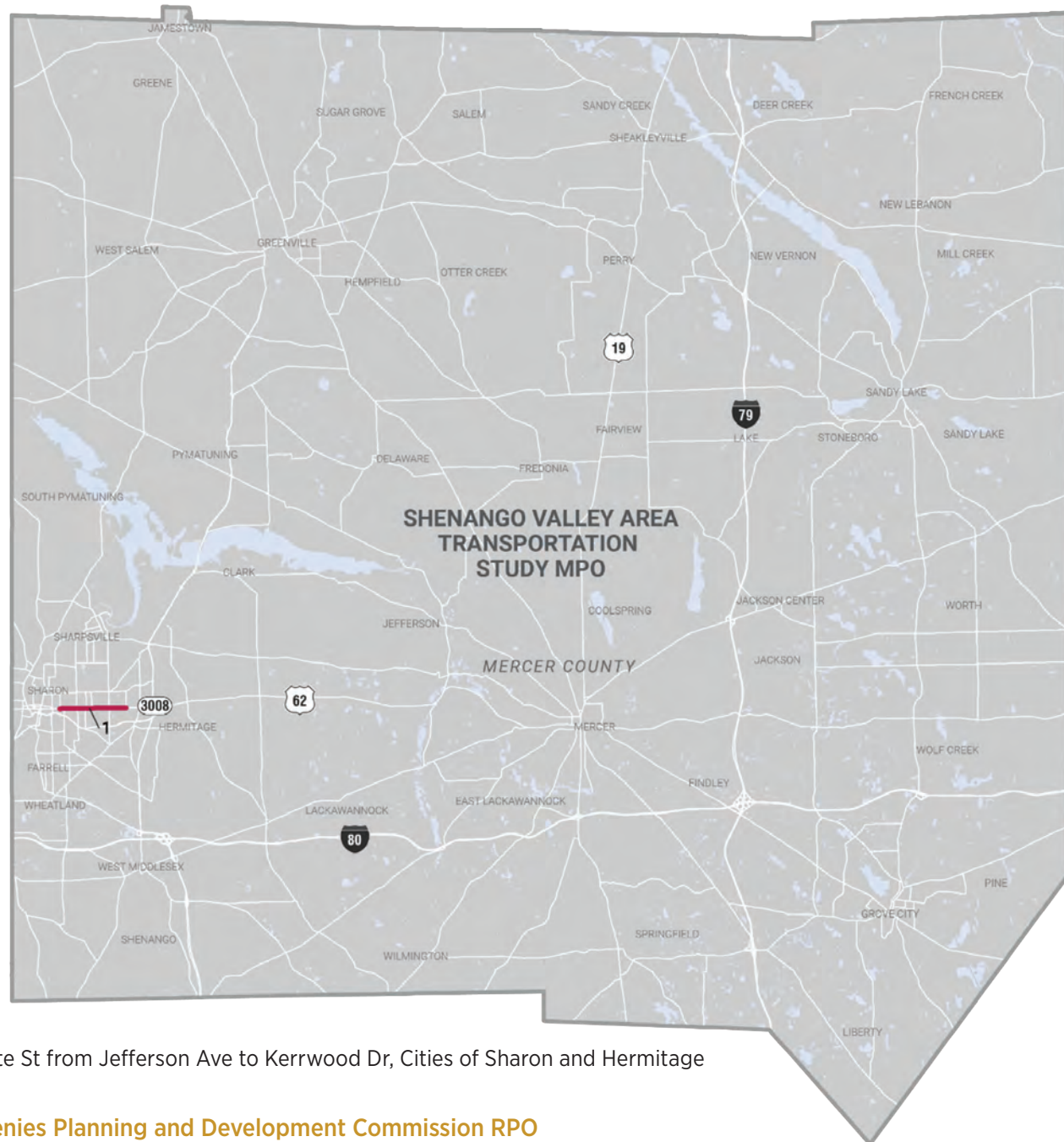
1. US 422, Penn Ave from 8th Ave to 3rd Ave, West Reading Borough
2. PA 183, Schuylkill Ave from Blair Ave to Elm St, City of Reading
3. PA 2003, 4th St from Greenwich St to Washington St, City of Reading
4. US 222, 5th St from Woodward St to Penn St, City of Reading
5. PA 2012, Walnut St from 4th St to 11th St, City of Reading
6. PA 2007, 9th St from Green St to Penn St, City of Reading
7. PA 73, Philadelphia Ave from Kehl St to Berks St, Boyertown Borough



1. PA 150, Church St from Corning St to N Jay St, City of Lock Haven
2. PA 45, Market St from Derr Dr to 3rd St, Lewisburg Borough
3. PA 61, Market St from Front St to Highland Ave, City of Sunbury
4. PA 487, Lightstreet Rd from 2nd St to Penn St, Town of Bloomsburg
5. Walnut St (C467) from Front St to 5 ½ St, Berwick Borough



## Shenango Valley Area Transportation Study MPO

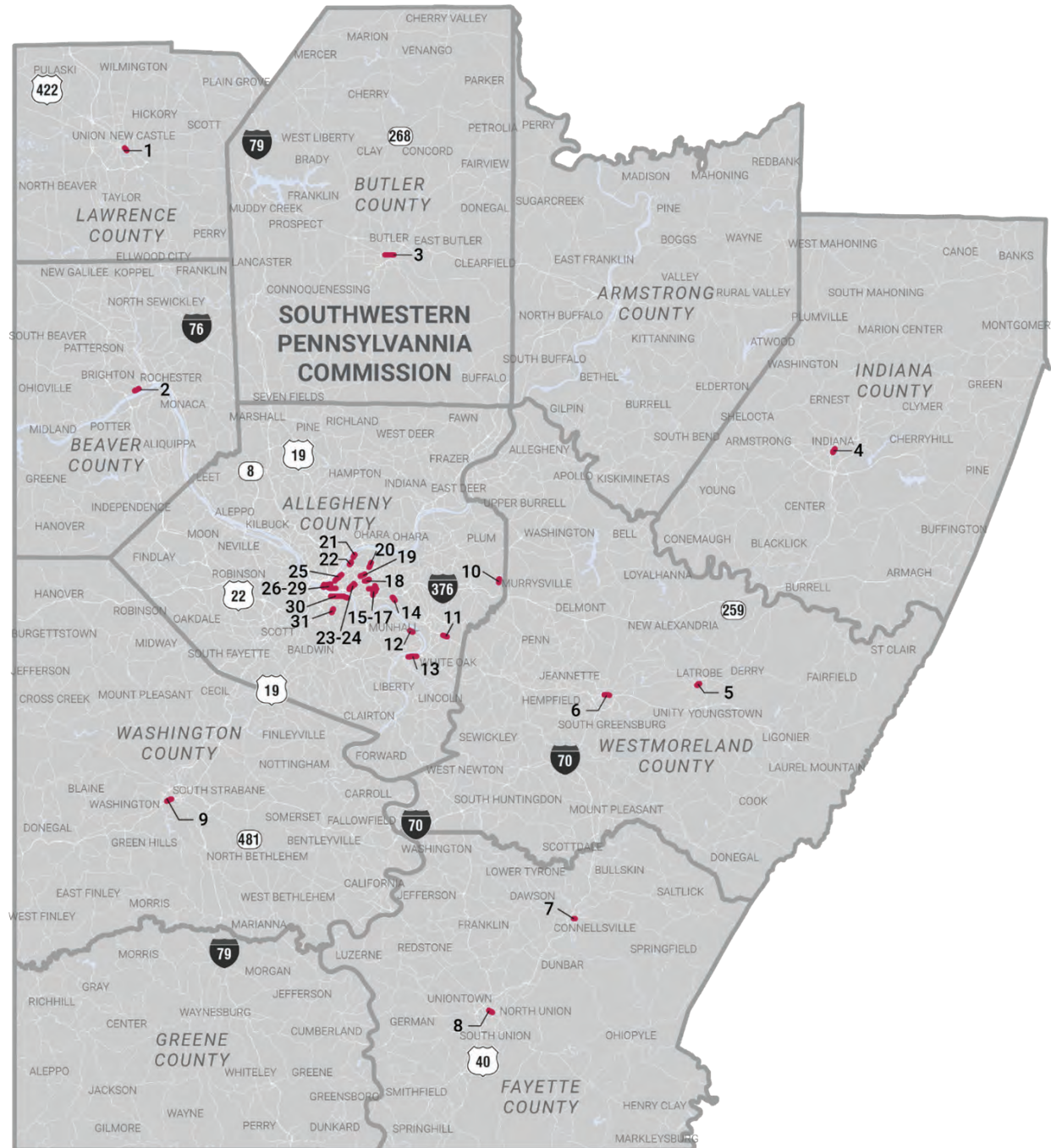


1. US 62, State St from Jefferson Ave to Kerrwood Dr, Cities of Sharon and Hermitage

## Southern Alleghenies Planning and Development Commission RPO

- There were no HRAs identified in this region.

## Southwestern Pennsylvania Commission MPO



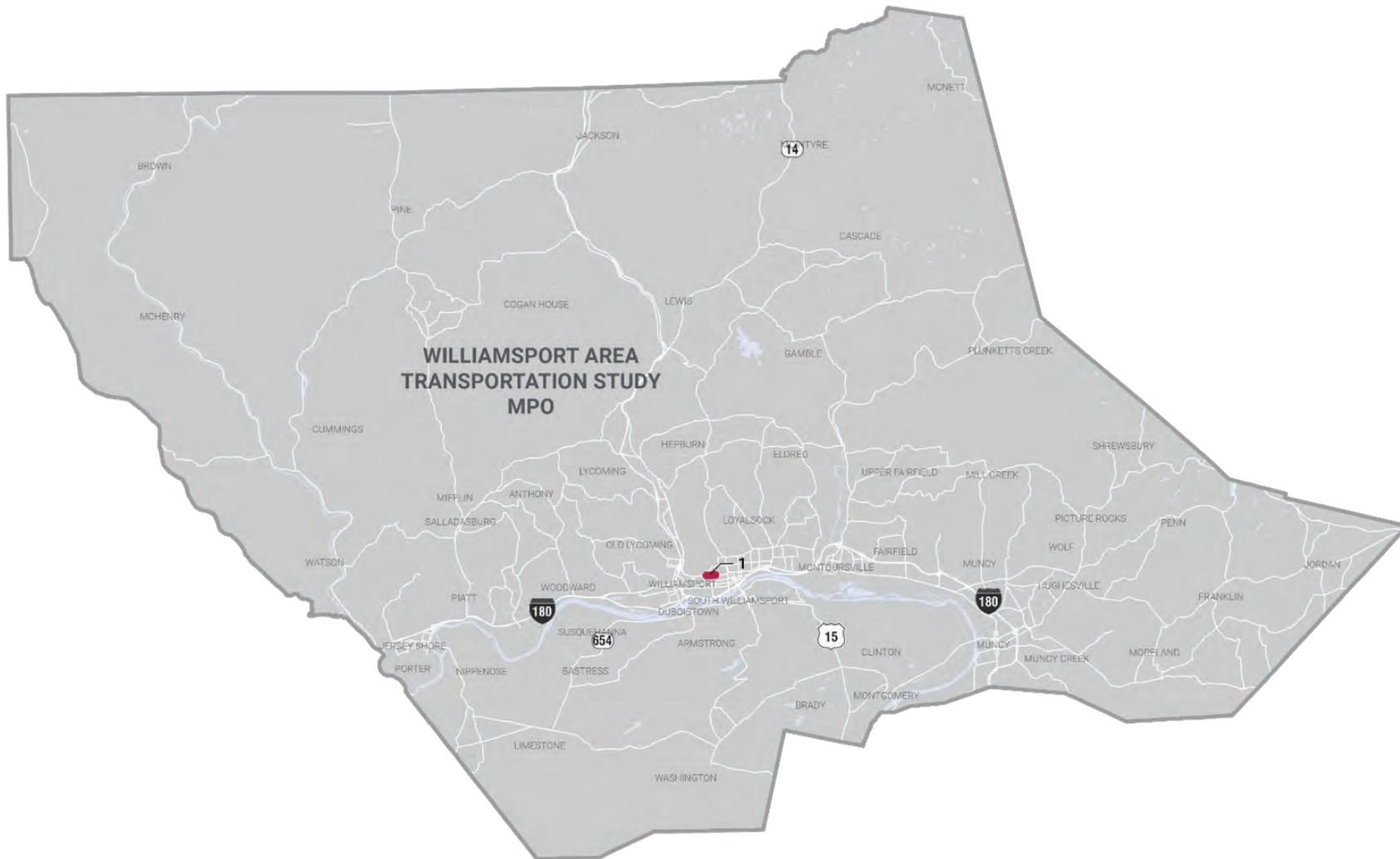
See list on next page.

1. PA 65, Washington St from West Ave to Brinton Ave, City of New Castle
2. PA 68, Third St from Walnut Ln to Buffalo St, Vanport Township
3. PA 68, Jefferson St from Cunningham St to Kittanning St, City of Butler
4. PA 4005, Wayne Ave from Pratt Dr to Grant St, Borough of Indiana and White Township
5. Weldon St from Jefferson St to Ridge Ave, City of Latrobe
6. PA 130, Pittsburgh St from Otterman St to Stark Ave, City of Greensburg
7. PA 711, Crawford Ave from Meadow St to Prospect St, City of Connellsville
8. US 40, Fayette St from Mt. Vernon to Gallatin Ave, City of Uniontown
9. US 40, Chestnut St from Hayes Ave to Cumberland Ave, City of Washington
10. PA 286, Golden Mile Hwy from New Texas Rd to Old Frankstown Rd, Plum Borough
11. US 30, Lincoln Hwy from 3rd St to Jacob St, North Versailles Township
12. PA 837, Duquesne Blvd from Hoffman Blvd to Commonwealth Ave, City of Duquesne
13. PA 148, Lysle Blvd from Walnut St to Evans St, City of McKeesport
14. Braddock Ave (H053) from Busway to Monongahela Ave, Swissvale Borough
15. Murray Ave (H059) from Forbes Ave to Pocusset St, City of Pittsburgh
16. Forbes Ave (H087) from Murdoch St to Denniston St, City of Pittsburgh
17. Shady Ave (H041) from Northumberland St to Hobart St, City of Pittsburgh
18. 5th Ave (H098) from Wilkins Ave to Negley Ave, City of Pittsburgh
19. Centre Ave (H010) from Morewood Ave to Graham St, City of Pittsburgh
20. Negley Ave (H031) from Rural St to Stanton Ave, City of Pittsburgh
21. PA 2122, Butler St from 51st St to McCandless Ave, City of Pittsburgh
22. PA 2122, Butler St from 45th St to 40th St, City of Pittsburgh
23. PA 2108, Forbes Ave from Craft Ave to Bigelow Blvd, City of Pittsburgh
24. 5th Ave (H004) from Bigelow Blvd to Halket St, City of Pittsburgh
25. Liberty Ave (H006) from 28th St to 16th St Bridge, City of Pittsburgh
26. 5th Ave (H096) from Liberty Ave to Pride St, City of Pittsburgh
27. Liberty Ave (H006) from Commonwealth Pl to Grant St, City of Pittsburgh
28. Penn Ave (H562) from Stanwix St to 7th St, City of Pittsburgh
29. Stanwix St (H702) from Boulevard of the Allies to Fort Duquesne Blvd, City of Pittsburgh
30. PA 837, E Carson St from 6th St to 28th St, City of Pittsburgh
31. Brownsville Rd (H189) from Quincy Ave to Ormsby Ave, City of Pittsburgh and Mount Oliver Borough

### Wayne County

- There were no HRAs identified in this region.





1. PA 2016, High St from Thomas Ave to Campbell St, City of Williamsport

## York Area MPO



1. George St (N127) from Gas Ave to Market St, City of York
2. Princess St (N032) from Brooklyn Ave to Pierce St, City of York
3. Belvidere Ave (N019) from Philadelphia St to College Ave, City of York
4. Market St (N002) from Penn St to Carlisle Ave, City of York
5. PA 181, George St from Beshore School Rd to Sunset Dr, East Manchester Township
6. PA 114, Lewisberry Rd from Stetler Rd to Memorial Hwy, New Cumberland Township
7. Railroad St (N281) from Library Pl to Broadway, Hanover Borough



# CHAPTER 4: QUANTITATIVE ANALYSIS

## PART 2: SYSTEMIC SAFETY

### Overview

PennDOT's approach to systemic safety for the VRU Safety Assessment followed FHWA's *Systemic Safety Project Selection Tool* methodology. It emphasized the first two steps of Element 1: "Identify Focus Crash Types and Risk Factors" and "Screen and Prioritize Candidate Locations." While this plan includes a comprehensive list of countermeasures in Chapter 6, it is incumbent on Engineering Districts, Planning Partners, and municipal governments to select and prioritize safety solutions appropriate to their communities.



**Figure 4-1. Systemic Safety Tool Flow Chart**  
**Source: FHWA Systemic Project Selection Tool**

### Why Systemic Safety?

The systemic approach to safety is a complementary approach to "traditional" site-specific safety analysis. While site-specific safety reactively addresses hot spots and clusters of crashes, systemic safety proactively identifies network-wide characteristics that tend to contribute to severe crashes. This approach addresses the root cause of low-density crashes not captured by site-specific analysis. Widespread, low-cost countermeasures can be deployed at locations identified through systemic safety analysis to address the

contributing characteristics. The systemic approach is more refined and cost-effective because it addresses locations that are more likely to result in identified crash types.

## Identify Focus Crash Types and Risk Factors

The following sections examine pedestrian and cyclist crashes in parallel. While these crashes occur in similar contexts, the crash types and causes are unique to each mode. PennDOT evaluated 22,880 pedestrian crashes and 5,654 bicyclist crashes during the analysis period to assign specific crash types. Like other states, PennDOT chose to exclude 2020 data because of the abnormal travel and crash trends associated with the COVID-19 pandemic.

### Task 1 – Select Focus Crash Types

Pedestrian Crash Types (FSSI%)	Total Crash %	Bicycle Crash Types (FSSI%)	Total Crash %
<b>Straight</b>	<b>46%</b> <b>(57%)</b>	Riding Against Traffic/ Wrong-Way Biker	9% <b>(7%)</b>
Parallel	7% <b>(10%)</b>	<b>Right Cross</b>	<b>44%</b> <b>(38%)</b>
Left Turn	23% <b>(11%)</b>	Left Cross	15% <b>(14%)</b>
Right Turn	7% <b>(2%)</b>	Rear End	7% <b>(14%)</b>
Lane Departure	2% <b>(4%)</b>	Right Hook	6% <b>(3%)</b>
Back Up	3% <b>(2%)</b>	Vehicle Overtaking Bicyclist	9% <b>(10%)</b>
Ped Striking Vehicle	2% <b>(1%)</b>	Dooring	1% <b>(&lt;1%)</b>
Criminal/Malicious	<1% <b>(&lt;1%)</b>	Other	9% <b>(13%)</b>
Improper Driver Dismount	<1% <b>(&lt;1%)</b>		
Improper Passenger Dismount	<1% <b>(&lt;1%)</b>		
Other	6% <b>(10%)</b>		
Parking Lot	3% <b>(2%)</b>		

Systemic safety identifies the commonalities of crash types and locations to select countermeasures that are applicable to those circumstances. As such, the focus of systemic safety is on the plurality of crash types and system features, recognizing system improvements will reduce other crash types.

This assessment selected focus crash types which represent a plurality of pedestrian and bicycle crash types. Consistent with the Safe System Approach, crashes were prioritized by fatal and suspected serious injury (FSSI) crashes while considering the relation to crash totals. Consequently, **the focus crash type for pedestrians is “straight” and the focus crash type for cyclists is “right cross.”** Both focus crash types are the equivalent of an angle crash and are not restricted to intersections.

## Task 2 – Select Focus Facilities

A focus facility is where the plurality of the focus crash type is occurring. Focus facilities are identified using a crash tree which breaks down crashes by their relationship to the roadway network. This approach can include context (urban vs rural), network location (intersection vs segment), and intersection control type (signalized vs unsignalized), among other considerations. There is a wide overlap between road ownership, where 52% and 74% of VRU crashes involved a state road or local road respectively, so road owner was not included as a filter for focus facility.

Focusing on the plurality of FSSI crashes, **the focus facility for pedestrian straight crashes is “urban segments.” The focus facility for bicycle right cross crashes is “urban unsignalized intersections.”**

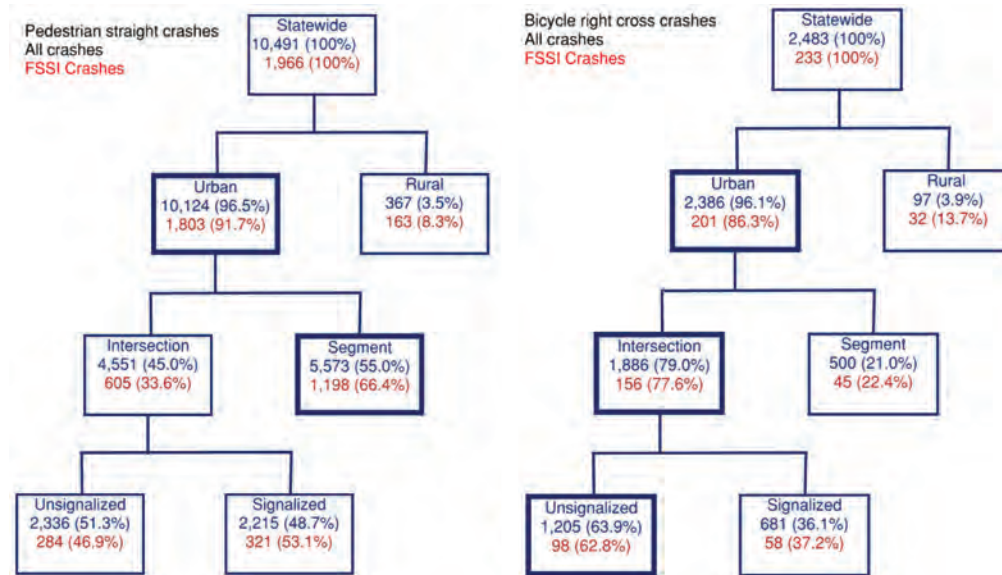


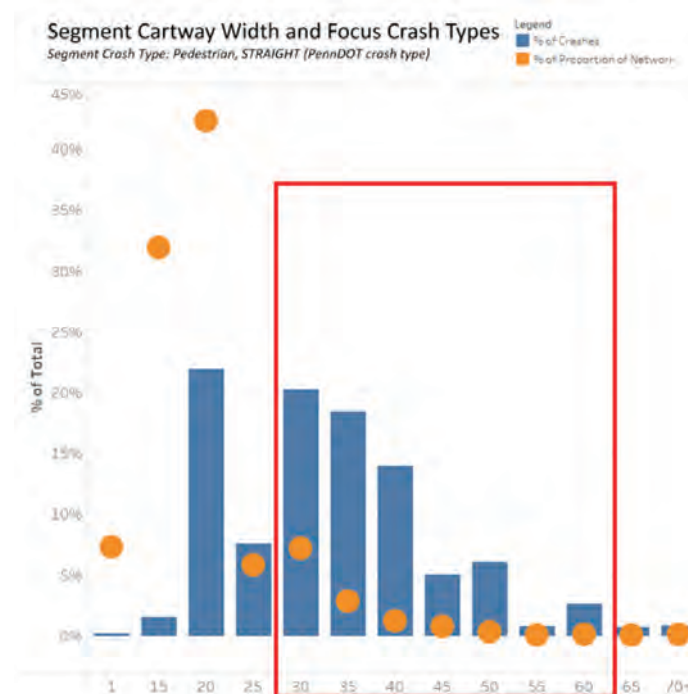
Figure 4-2. Focus Crash Type Crash Trees

## Task 3 – Identify and Evaluate Risk Factors

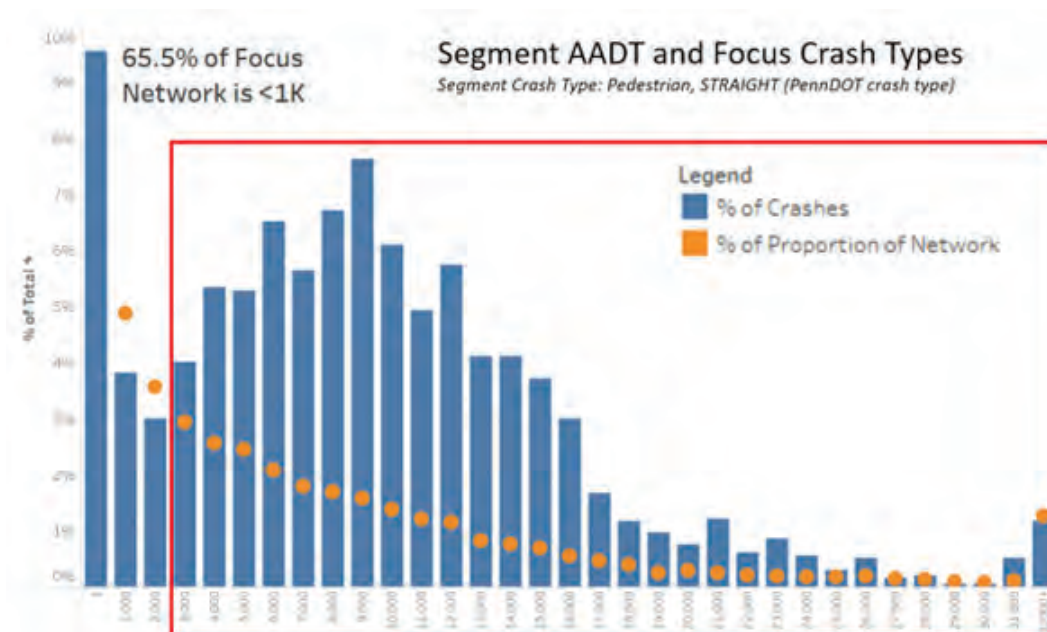
Risk factors are characteristics which contribute to an increased number of the focus crash type. A comprehensive list of applicable risk factors was compiled for their respective focus crash type and focus facility based primarily on FHWA's Potential Risk Factors list. Additional risk factors were identified during the consultation meetings including proximity to transit, busy transit (as defined below), schools (primary and secondary), and senior centers. The FHWA systemic safety approach emphasizes using the data that is available, not desired. For example, data was not readily available for many of the risk factors, such as proximity to senior centers.

Descriptive statistics were used to identify at-risk thresholds for major roadway annual average daily traffic (AADT) and cartway width. Descriptive statistics compare the proportion of the network and the proportion of severe crashes on that network. A risk factor threshold is present when the proportion of severe crashes exceeds the proportion of the network.

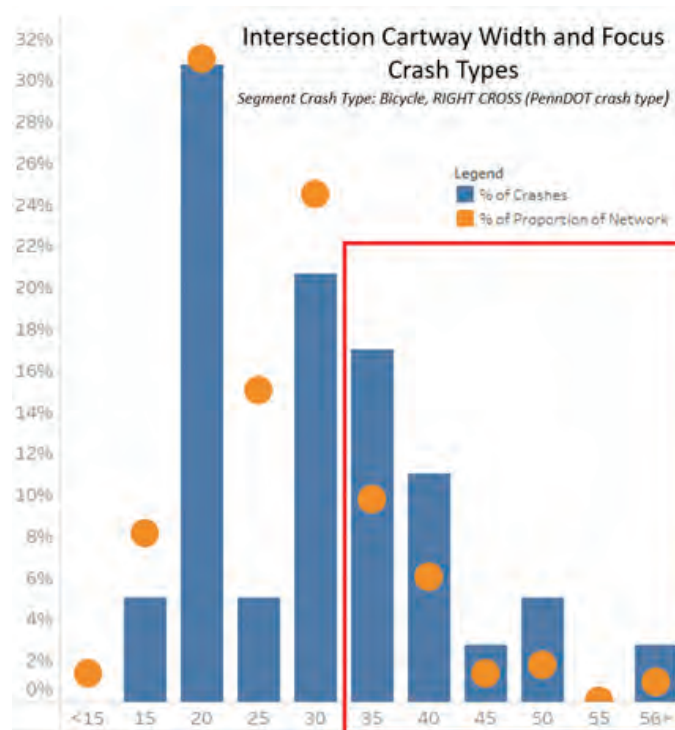




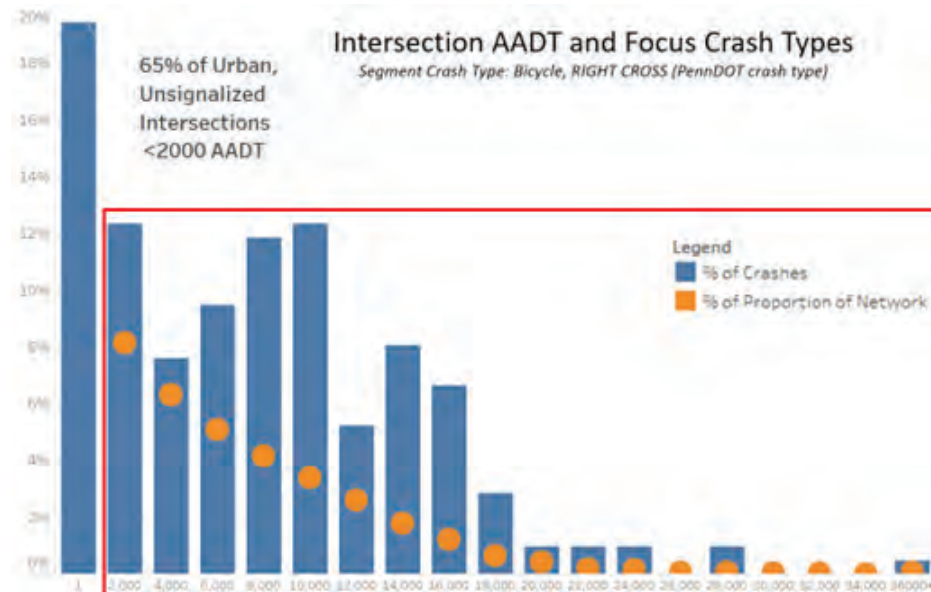
**Figure 4-3. Cartways Wider than 30 Feet are Overrepresented for Urban Segments**



**Figure 4-4. AADTs Greater than 3,000 Vehicles per Day are Overrepresented for Urban Segments**



**Figure 4-5. Cartways Wider than 35 Feet are Overrepresented for Urban Intersections**



**Figure 4-6. AADTs Greater than 2,000 Vehicles per Day are Overrepresented for Urban Intersections**

RISK FACTOR	THRESHOLD	NOTES
Cartway width	Intersections: $\geq 35$ ft Segments: $\geq 30$ ft	Cartway width affects number of lanes and crossing distances at intersections
VRU crash history	N/A	Used to prioritize the most at risk locations
VRU FSSI crash history	N/A	Used to prioritize the most at risk locations
Major road AADT	Intersections: $\geq 2,000$ Segments: $\geq 3,000$	
Number of approaches	$> 4$ approaches	Applied to intersections only
Proximity to transit	$< 250'$ from fixed transit stop	
Proximity to busy transit	$< 250'$ from bus stop with average daily ridership $> 100$ , light rail, subway, or commuter rail stop.	Boarding and alighting data was only available for SEPTA (Philadelphia region) and PRT (Pittsburgh region).
Proximity to primary or secondary school	$< 2$ miles from school	Maximum walking distance for high school students
Skewed approaches	$> 0$ approach with azimuth differences from the main road between $22.5^\circ$ - $67.5^\circ$	Angle ranges consistent with PennDOT INTERSECT_TYPE (e.g., Ahead Left) Applied to intersections only.
Major road speed limit	$> 25$ mph	As speed increases, severity increases

**Table 4-1. Risk factors used for risk assessment**

## Screen and Prioritize Candidate Locations

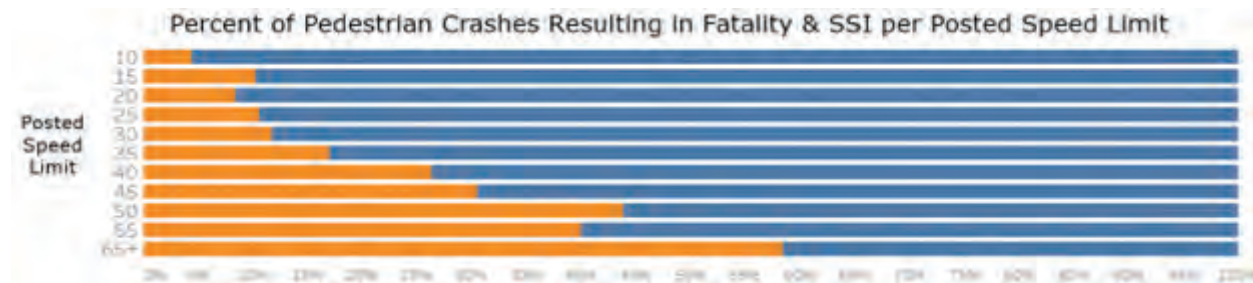
### Task 1 - Identify Network Elements to Analyze

PennDOT's existing GIS network is separated into the state highway network and the local roadway network. The state highway network uses PennDOT's location referencing system (e.g., state route, segment, offset) which consists of approximately half mile segments and is used for all PennDOT applications. PennDOT is currently segmenting the local road system. However, the available network breaks road segments at every node in the network, including intersections with smaller streets, resulting in much shorter segments. The local road and state highway networks were used together when identifying at-risk intersections and segments.

### Task 2 - Conduct Risk Assessment

The risk factors in Table 4-1 were tabulated for each of the focus facility intersections and segments. Consistent with FHWA guidance, the cumulative number of risk factors determined the most at-risk facilities. Speed limit is the only weighted risk factor because crash severity increases with speed. Segments and intersections with speed limits  $> 25$  to  $35$  mph were given one point and  $> 35$  mph was given 2 points.





**Figure 4-7. Crash Severity Increases with Speed**

### Task 3 - Prioritize Focus Facility Elements

The output from this risk assessment is a list of urban segments and urban unsignalized intersections with the risk factors present. Lists of intersections and segments were generated by MPO/RPO to help Planning Partners and PennDOT Engineering Districts identify relevant locations. The systemic approach prioritizes risk factors over crash history when identifying locations. However, locations with a high number of risk factors and crashes were prioritized over areas with lower crashes. Severe crashes were further prioritized over less severe crashes.

The number of segments and intersections identified by Planning Partner is roughly proportional to the number of VRU FSSI crashes within the boundaries of that MPO or RPO.

## **Urban Segments by Planning Partner**

*RANK, STREET (ROUTE, SEGMENT), MUNICIPALITY, COUNTY*

### **Adams County Transportation Planning Organization MPO**

1. Rank 1, YORK RD (SR 30), SEG 310, STRABAN (TWP), Adams County
2. Rank 2, YORK RD (SR 30), SEG 370, STRABAN (TWP), Adams County
3. Rank 3, LINCOLN WAY WEST (SR 30), SEG 462, NEW OXFORD (BORO), Adams County
4. Rank 4, ELM AV (SR 2008), SEG 90, CONEWAGO (TWP), Adams County
5. Rank 5, YORK RD (SR 30), SEG 500, BERWICK (TWP), Adams County
6. Rank 6, YORK RD (SR 30), SEG 480, NEW OXFORD (BORO), Adams County
7. Rank 6, YORK RD (SR 30), SEG 490, OXFORD (TWP), Adams County
8. Rank 7, TANEYTOWN RD (SR 134), SEG 150, GETTYSBURG (BORO), Adams County
9. Rank 7, YORK RD (SR 30), SEG 420, MOUNT PLEASANT (TWP), Adams County
10. Rank 7, FAIRFIELD RD (SR 116), SEG 210, CUMBERLAND (TWP), Adams County
11. Rank 7, YORK RD (SR 30), SEG 440, MOUNT PLEASANT (TWP), Adams County
12. Rank 7, YORK RD (SR 30), SEG 430, MOUNT PLEASANT (TWP), Adams County
13. Rank 8, CARLISLE PK (SR 94), SEG 20, BERWICK (TWP), Adams County
14. Rank 8, LINCOLN WY WEST (SR 30), SEG 450, OXFORD (TWP), Adams County
15. Rank 8, YORK RD (SR 30), SEG 300, GETTYSBURG (BORO), Adams County
16. Rank 8, YORK RD (SR 30), SEG 340, STRABAN (TWP), Adams County
17. Rank 8, YORK RD (SR 30), SEG 350, STRABAN (TWP), Adams County
18. Rank 8, YORK RD (SR 30), SEG 360, STRABAN (TWP), Adams County
19. Rank 8, YORK RD (SR 30), SEG 380, STRABAN (TWP), Adams County
20. Rank 8, YORK RD (SR 30), SEG 332, STRABAN (TWP), Adams County

### **Altoona MPO**

1. Rank 1, PLEASANT VALLEY BL (SR 1001), SEG 110, LOGAN (TWP), Blair County
2. Rank 2, PLANK RD (SR 36), SEG 360, ALTOONA (CITY), Blair County
3. Rank 2, SR 0764 SH (SR 764), SEG 200, LOGAN (TWP), Blair County
4. Rank 3, SR 4027 SH (SR 4027), SEG 40, SNYDER (TWP), Blair County
5. Rank 3, PLANK RD (SR 1001), SEG 40, ALLEGHENY (TWP), Blair County
6. Rank 4, PENNA AV (SR 453), SEG 100, TYRONE (BORO), Blair County

7. Rank 5, PLANK RD (SR 1001), SEG 80, LOGAN (TWP), Blair County
8. Rank 5, PLEASANT VALLEY BL (SR 1001), SEG 130, LOGAN (TWP), Blair County
9. Rank 6, TENTH AV EX (SR 4009), SEG 11, ALTOONA (CITY), Blair County
10. Rank 6, SR 0764 SH (SR 764), SEG 190, LOGAN (TWP), Blair County
11. Rank 6, BROAD ST (SR 22), SEG 250, BLAIR (TWP), Blair County
12. Rank 6, SR 4027 SH (SR 4027), SEG 30, SNYDER (TWP), Blair County
13. Rank 6, PLEASANT VALLEY BL (SR 1001), SEG 190, ALTOONA (CITY), Blair County
14. Rank 6, PLANK RD (SR 1001), SEG 20, ALLEGHENY (TWP), Blair County
15. Rank 6, CAMPBELLS LN (SR 865), SEG 4, ANTIS (TWP), Blair County
16. Rank 6, PLEASANT VALLEY BL (SR 1001), SEG 250, ANTIS (TWP), Blair County
17. Rank 6, PARK AV (SR 1021), SEG 20, LOGAN (TWP), Blair County
18. Rank 6, PARK AV (SR 1021), SEG 10, LOGAN (TWP), Blair County
19. Rank 6, SR 4027 SH (SR 4027), SEG 50, TYRONE (BORO), Blair County
20. Rank 6, SR 0764 SH (SR 764), SEG 220, LOGAN (TWP), Blair County

### **Cambria County MPO**

1. Rank 1, BEDFORD ST (SR 271), SEG 190, JOHNSTOWN (CITY), Cambria County
2. Rank 2, SCALP AV (SR 56), SEG 300, RICHLAND (TWP), Cambria County
3. Rank 3, MENOHER BL (SR 271), SEG 150, SOUTHMONT (BORO), Cambria County
4. Rank 3, SCALP AV (SR 3016), SEG 131, RICHLAND (TWP), Cambria County
5. Rank 3, SCALP AV (SR 3016), SEG 141, RICHLAND (TWP), Cambria County
6. Rank 4, MENOHER BL (SR 271), SEG 160, SOUTHMONT (BORO), Cambria County
7. Rank 4, CLINTON ST (SR 271), SEG 240, JOHNSTOWN (CITY), Cambria County
8. Rank 4, SCALP AV (SR 56), SEG 320, RICHLAND (TWP), Cambria County
9. Rank 4, SCALP AV (SR 3016), SEG 140, RICHLAND (TWP), Cambria County
10. Rank 4, SCALP AV (SR 3016), SEG 130, RICHLAND (TWP), Cambria County
11. Rank 4, MENOHER BL (SR 271), SEG 140, WESTMONT (BORO), Cambria County
12. Rank 4, FERNDAL AV (SR 403), SEG 40, FERNDAL (BORO), Cambria County

13. Rank 4, FERNDAL AV (SR 403), SEG 20, UPPER YODER (TWP), Cambria County
14. Rank 5, FRANKLIN ST (SR 3011), SEG 50, JOHNSTOWN (CITY), Cambria County
15. Rank 6, MAPLE AV (SR 271), SEG 250, JOHNSTOWN (CITY), Cambria County
16. Rank 7, MENOHER BL (SR 271), SEG 130, WESTMONT (BORO), Cambria County
17. Rank 7, SCALP AV (SR 56), SEG 301, RICHLAND (TWP), Cambria County
18. Rank 8, BROAD ST (SR 56), SEG 91, JOHNSTOWN (CITY), Cambria County
19. Rank 8, MENOHER BL (SR 271), SEG 120, WESTMONT (BORO), Cambria County
20. Rank 9, CLEVELAND ST (SR 53), SEG 250, LILLY (BORO), Cambria County

#### **Centre County MPO**

1. Rank 1, COLLEGE AV (SR 26), SEG 220, COLLEGE (TWP), Centre County
2. Rank 1, COLLEGE AV (SR 26), SEG 200, COLLEGE (TWP), Centre County
3. Rank 1, COLLEGE AV (SR 26), SEG 120, FERGUSON (TWP), Centre County
4. Rank 1, COLLEGE AV (SR 26), SEG 130, FERGUSON (TWP), Centre County
5. Rank 2, COLLEGE AV (SR 26), SEG 190, COLLEGE (TWP), Centre County
6. Rank 2, COLLEGE AV (SR 26), SEG 110, FERGUSON (TWP), Centre County
7. Rank 2, COLLEGE AV (SR 26), SEG 100, FERGUSON (TWP), Centre County
8. Rank 2, WHITEHALL RD (SR 3018), SEG 10, FERGUSON (TWP), Centre County
9. Rank 2, SOUTH ATHERTON ST (SR 3014), SEG 180, HARRIS (TWP), Centre County
10. Rank 2, COLLEGE AV (SR 26), SEG 230, COLLEGE (TWP), Centre County
11. Rank 2, SOUTH ATHERTON ST (SR 3014), SEG 170, COLLEGE (TWP), Centre County
12. Rank 2, NORTH ATHERTON ST (SR 3014), SEG 50, PATTON (TWP), Centre County
13. Rank 3, SOUTH ATHERTON ST (SR 3014), SEG 120, STATE COLLEGE (BORO), Centre County
14. Rank 4, NORTH ATHERTON ST (SR 3014), SEG 60, PATTON (TWP), Centre County
15. Rank 5, NORTH ATHERTON ST (SR 3014), SEG 90, STATE COLLEGE (BORO), Centre County
16. Rank 6, UNIVERSITY DR (SR 3022), SEG 10, COLLEGE (TWP), Centre County
17. Rank 7, NORTH ATHERTON ST (SR 3014), SEG 70, FERGUSON (TWP), Centre County
18. Rank 8, BLUE COURSE DR (S012), SEG 100, BLUE COURSE DR/T989 to ATHERTON ST/SR-3014, FERGUSON (TWP), Centre County
19. Rank 9, SKYTOP MOUNTAIN RD (SR 3042), SEG 402, PATTON (TWP), Centre County

20. Rank 10, NORTH ATHERTON ST (SR 3014), SEG 80, FERGUSON (TWP), Centre County

#### **Delaware Valley Regional Planning Commission**

1. Rank 1, ROOSEVELT BL (SR 6001), SEG 201, PHILADELPHIA (CITY), Philadelphia County
2. Rank 2, ROOSEVELT BL (SR 6001), SEG 251, PHILADELPHIA (CITY), Philadelphia County
3. Rank 2, ROOSEVELT BL (SR 6001), SEG 241, PHILADELPHIA (CITY), Philadelphia County
4. Rank 3, ROOSEVELT BL (SR 6001), SEG 210, PHILADELPHIA (CITY), Philadelphia County
5. Rank 4, KNIGHTS RD (SR 2019), SEG 20, BENSALEM (TWP), Bucks County
6. Rank 4, ROOSEVELT BL (SR 6001), SEG 271, PHILADELPHIA (CITY), Philadelphia County
7. Rank 4, KNIGHTS RD (SR 2019), SEG 21, BENSALEM (TWP), Bucks County
8. Rank 5, E MARKET ST (SR 3), SEG 30, WEST GOSHEN (TWP), Chester County
9. Rank 5, CHESTER PK (SR 13), SEG 180, PROSPECT PARK (BORO), Delaware County
10. Rank 6, ROOSEVELT BL (SR 6001), SEG 191, PHILADELPHIA (CITY), Philadelphia County
11. Rank 7, STREET RD (SR 132), SEG 283, BENSALEM (TWP), Bucks County
12. Rank 7, ROOSEVELT BL (SR 6001), SEG 261, PHILADELPHIA (CITY), Philadelphia County
13. Rank 7, STREET RD (SR 132), SEG 282, BENSALEM (TWP), Bucks County
14. Rank 8, LINCOLN HW (SR 1), SEG 11, BENSALEM (TWP), Bucks County
15. Rank 9, ROOSEVELT BL (SR 6001), SEG 260, PHILADELPHIA (CITY), Philadelphia County
16. Rank 9, ROOSEVELT BL (SR 6001), SEG 161, PHILADELPHIA (CITY), Philadelphia County
17. Rank 9, ROOSEVELT BL (SR 6001), SEG 311, PHILADELPHIA (CITY), Philadelphia County
18. Rank 10, ROOSEVELT BL (SR 6001), SEG 180, PHILADELPHIA (CITY), Philadelphia County
19. Rank 11, ROOSEVELT BL (SR 6001), SEG 310, PHILADELPHIA (CITY), Philadelphia County
20. Rank 11, ROOSEVELT BL (SR 6001), SEG 301, PHILADELPHIA (CITY), Philadelphia County



21. Rank 12, ROOSEVELT BL (SR 6001), SEG 190, PHILADELPHIA (CITY), Philadelphia County
22. Rank 12, NINTH ST (SR 6013), SEG 80, CHESTER (CITY), Delaware County
23. Rank 12, PENNELL RD (SR 452), SEG 70, ASTON (TWP), Delaware County
24. Rank 13, MAIN ST (SR 3009), SEG 12, WEST NORRITON (TWP), Montgomery County
25. Rank 13, ROOSEVELT BL (SR 6001), SEG 155, PHILADELPHIA (CITY), Philadelphia County
26. Rank 13, WEST CHESTER PK (SR 3), SEG 70, NEWTOWN (TWP), Delaware County
27. Rank 14, ROOSEVELT BL (SR 6001), SEG 231, PHILADELPHIA (CITY), Philadelphia County
28. Rank 15, HAVERFORD AV (SR 3018), SEG 20, PHILADELPHIA (CITY), Philadelphia County
29. Rank 16, HAVERFORD AV (SR 3018), SEG 50, PHILADELPHIA (CITY), Philadelphia County
30. Rank 17, ROOSEVELT BL (SR 6001), SEG 250, PHILADELPHIA (CITY), Philadelphia County
31. Rank 18, ROOSEVELT BL (SR 6001), SEG 240, PHILADELPHIA (CITY), Philadelphia County
32. Rank 19, MORTON AV (SR 13), SEG 130, CHESTER (CITY), Delaware County
33. Rank 19, ARDMORE AV (SR 3042), SEG 10, HAVERFORD (TWP), Montgomery County
34. Rank 20, BALTIMORE PK (SR 2016), SEG 121, MORTON (BORO), Delaware County
35. Rank 20, DEKALB ST (SR 202), SEG 140, NORRISTOWN (BORO), Montgomery County
36. Rank 20, BALTIMORE PK (SR 2016), SEG 120, MORTON (BORO), Delaware County
37. Rank 21, HAVERFORD AV (SR 3018), SEG 60, PHILADELPHIA (CITY), Philadelphia County
38. Rank 21, OLD YORK RD (SR 611), SEG 90, JENKINTOWN (BORO), Montgomery County
39. Rank 22, LINCOLN HW (SR 1), SEG 10, BENSLEM (TWP), Bucks County
40. Rank 22, BALTIMORE PK (SR 2016), SEG 140, UPPER DARBY (TWP), Delaware County
41. Rank 23, W MARKET ST (SR 3), SEG 12, WEST CHESTER (BORO), Chester County
42. Rank 23, BETHLEHEM PK (SR 2018), SEG 40, WHITEMARSH (TWP), Montgomery County
43. Rank 23, HAVERFORD AV (SR 3018), SEG 10, PHILADELPHIA (CITY), Philadelphia County
44. Rank 24, ROOSEVELT BL (SR 6001), SEG 320, PHILADELPHIA (CITY), Philadelphia County
45. Rank 24, ROOSEVELT BL (SR 6001), SEG 340, PHILADELPHIA (CITY), Philadelphia County
46. Rank 25, ROOSEVELT BL (SR 6001), SEG 300, PHILADELPHIA (CITY), Philadelphia County
47. Rank 25, ROOSEVELT BL (SR 6001), SEG 200, PHILADELPHIA (CITY), Philadelphia County
48. Rank 26, EASTON RD (SR 611), SEG 180, UPPER MORELAND (TWP), Montgomery County
49. Rank 27, EASTON RD (SR 611), SEG 50, WARRINGTON (TWP), Bucks County
50. Rank 27, FOURTH ST (SR 23), SEG 220, BRIDGEPORT (BORO), Montgomery County
51. Rank 27, ROOSEVELT BL (SR 6001), SEG 284, PHILADELPHIA (CITY), Philadelphia County
52. Rank 27, WEST CHESTER PK (SR 3), SEG 121, MARPLE (TWP), Delaware County
53. Rank 27, ROOSEVELT BL (SR 6001), SEG 371, PHILADELPHIA (CITY), Philadelphia County
54. Rank 27, RIDGE PK (SR 4031), SEG 172, LIMERICK (TWP), Montgomery County
55. Rank 28, HAVERFORD AV (SR 3018), SEG 30, PHILADELPHIA (CITY), Philadelphia County
56. Rank 29, UNIVERSITY AV (SR 3003), SEG 50, PHILADELPHIA (CITY), Philadelphia County
57. Rank 29, HAVERFORD AV (SR 3018), SEG 70, PHILADELPHIA (CITY), Philadelphia County
58. Rank 30, STENTON AV (SR 4002), SEG 50, PHILADELPHIA (CITY), Philadelphia County
59. Rank 30, STENTON AV (SR 4002), SEG 44, SPRINGFIELD (TWP), Philadelphia County
60. Rank 30, SUSQUEHANNA RD (SR 2017), SEG 60, ABINGTON (TWP), Montgomery County
61. Rank 30, ADAMS AV (SR 1002), SEG 60, PHILADELPHIA (CITY), Philadelphia County
62. Rank 31, WELSH RD (SR 63), SEG 322, UPPER GWYNEDD (TWP), Montgomery County

63. Rank 31, HAVERFORD AV (SR 3018), SEG 40, PHILADELPHIA (CITY), Philadelphia County
64. Rank 32, BALTIMORE PK (SR 2016), SEG 101, SWARTHMORE (BORO), Delaware County
65. Rank 32, BALTIMORE PK (SR 2016), SEG 100, SWARTHMORE (BORO), Delaware County
66. Rank 32, MARKLEY ST (SR 3020), SEG 51, NORRISTOWN (BORO), Montgomery County
67. Rank 33, OLD YORK RD (SR 611), SEG 120, ABINGTON (TWP), Montgomery County
68. Rank 33, ROOSEVELT BL (SR 6001), SEG 211, PHILADELPHIA (CITY), Philadelphia County
69. Rank 33, ROOSEVELT BL (SR 6001), SEG 171, PHILADELPHIA (CITY), Philadelphia County
70. Rank 33, ROOSEVELT BL (SR 6001), SEG 230, PHILADELPHIA (CITY), Philadelphia County
71. Rank 34, BALTIMORE PK (SR 2016), SEG 110, MORTON (BORO), Delaware County
72. Rank 34, ROOSEVELT BL (SR 1), SEG 171, PHILADELPHIA (CITY), Philadelphia County
73. Rank 34, STREET RD (SR 132), SEG 92, WARMINSTER (TWP), Bucks County
74. Rank 34, HAVERFORD AV (SR 3018), SEG 90, PHILADELPHIA (CITY), Philadelphia County
75. Rank 34, EIGHTYFOURTH ST (SR 3002), SEG 21, PHILADELPHIA (CITY), Philadelphia County
76. Rank 34, BALTIMORE AV (SR 2016), SEG 150, CLIFTON HEIGHTS (BORO), Delaware County
77. Rank 34, STREET RD (SR 132), SEG 93, WARMINSTER (TWP), Bucks County
78. Rank 35, BALTIMORE PK (SR 2016), SEG 111, MORTON (BORO), Delaware County
79. Rank 35, ROCKHILL DR (SR 2044), SEG 11, BENSALEM (TWP), Bucks County
80. Rank 35, ROCKHILL DR (SR 2044), SEG 10, BENSALEM (TWP), Bucks County
81. Rank 35, ROOSEVELT BL (SR 6001), SEG 170, PHILADELPHIA (CITY), Philadelphia County
82. Rank 35, BALTIMORE PK (SR 1), SEG 181, MIDDLETOWN (TWP), Delaware County
83. Rank 35, ROOSEVELT BL (SR 6001), SEG 160, PHILADELPHIA (CITY), Philadelphia County
84. Rank 35, EASTON RD (SR 611), SEG 161, UPPER MORELAND (TWP), Montgomery County
85. Rank 35, WISSAHICKON AV (SR 4003), SEG 20, PHILADELPHIA (CITY), Philadelphia County
86. Rank 35, EIGHTYFOURTH ST (SR 3002), SEG 20, PHILADELPHIA (CITY), Philadelphia County
87. Rank 36, BARTRAM AV (SR 291), SEG 20, PHILADELPHIA (CITY), Philadelphia County
88. Rank 36, ROOSEVELT BL (SR 6001), SEG 330, PHILADELPHIA (CITY), Philadelphia County
89. Rank 36, BALTIMORE PK (SR 1), SEG 180, MIDDLETOWN (TWP), Delaware County
90. Rank 36, ROOSEVELT BL (SR 6001), SEG 341, PHILADELPHIA (CITY), Philadelphia County
91. Rank 36, ROOSEVELT BL (SR 6001), SEG 181, PHILADELPHIA (CITY), Philadelphia County
92. Rank 36, BUSINESS 30/LINCOLN HWY (SR 3070), SEG 200, CALN (TWP), Chester County
93. Rank 36, MORTON AV (SR 13), SEG 122, CHESTER (CITY), Delaware County
94. Rank 36, ROOSEVELT BL (SR 6001), SEG 321, PHILADELPHIA (CITY), Philadelphia County
95. Rank 36, BALTIMORE PK (SR 2016), SEG 91, SWARTHMORE (BORO), Delaware County
96. Rank 36, EASTON RD (SR 611), SEG 10, HORSHAM (TWP), Bucks County
97. Rank 36, BALTIMORE PK (SR 2016), SEG 131, SPRINGFIELD (TWP), Delaware County
98. Rank 36, ROOSEVELT BL (SR 6001), SEG 270, PHILADELPHIA (CITY), Philadelphia County
99. Rank 37, BARTRAM AV (SR 291), SEG 21, PHILADELPHIA (CITY), Philadelphia County
100. Rank 37, WEST CHESTER PK (SR 3), SEG 180, HAVERFORD (TWP), Delaware County
101. Rank 37, GERMANTOWN PK (SR 3053), SEG 100, PLYMOUTH (TWP), Montgomery County
102. Rank 37, NORTH WALES RD (SR 2010), SEG 70, UPPER GWYNEDD (TWP), Montgomery County
103. Rank 37, WEST CHESTER PK (SR 3), SEG 190, HAVERFORD (TWP), Delaware County
104. Rank 37, WAYNE AV (SR 4015), SEG 40, PHILADELPHIA (CITY), Philadelphia County

105. Rank 37, WEST CHESTER PK (SR 3), SEG 181, HAVERFORD (TWP), Delaware County
106. Rank 37, WEST CHESTER PK (SR 3), SEG 160, HAVERFORD (TWP), Delaware County
107. Rank 37, STREET RD (SR 132), SEG 272, BENSalem (TWP), Bucks County
108. Rank 37, STREET RD (SR 132), SEG 273, BENSalem (TWP), Bucks County
109. Rank 37, ROOSEVELT BL (SR 6001), SEG 281, PHILADELPHIA (CITY), Philadelphia County
110. Rank 37, ROOSEVELT BL (SR 6001), SEG 285, PHILADELPHIA (CITY), Philadelphia County
111. Rank 37, BALTIMORE PK (SR 2016), SEG 90, SWARTHMORE (BORO), Delaware County
112. Rank 37, EASTON RD (SR 611), SEG 11, HORSHAM (TWP), Bucks County
113. Rank 37, BALTIMORE PK (SR 2016), SEG 130, SPRINGFIELD (TWP), Delaware County
114. Rank 37, ROOSEVELT BL (SR 6001), SEG 154, PHILADELPHIA (CITY), Philadelphia County
115. Rank 37, ROOSEVELT BL (SR 6001), SEG 331, PHILADELPHIA (CITY), Philadelphia County
116. Rank 38, WEST CHESTER PK (SR 3), SEG 60, NEWTOWN (TWP), Delaware County
117. Rank 38, BALTIMORE PK (SR 1), SEG 191, MIDDLETOWN (TWP), Delaware County
118. Rank 38, BUSINESS 30/LANCASTER AVE (SR 3070), SEG 304, EAST CALN (TWP), Chester County
119. Rank 38, MALL BL (G376), SEG 20, CONRAD DR/T601 to SR 0202, UPPER MERION (TWP), Montgomery County
120. Rank 38, STREET RD (SR 132), SEG 62, WARMINSTER (TWP), Bucks County
121. Rank 38, MALL BL (G379), SEG 10, SR 0202 to CONRAD BL/T601, UPPER MERION (TWP), Montgomery County
122. Rank 38, MIDDLETOWN RD (SR 352), SEG 154, MIDDLETOWN (TWP), Delaware County
123. Rank 38, WEST CHESTER PK (SR 3), SEG 140, HAVERFORD (TWP), Delaware County
124. Rank 38, WEST CHESTER PK (SR 3), SEG 150, HAVERFORD (TWP), Delaware County
125. Rank 38, CHESTER RD (SR 320), SEG 80, SWARTHMORE (BORO), Delaware County
126. Rank 38, ROOSEVELT BL (SR 6001), SEG 291, PHILADELPHIA (CITY), Philadelphia County
127. Rank 38, ROOSEVELT BL (SR 6001), SEG 350, PHILADELPHIA (CITY), Philadelphia County
128. Rank 38, ROOSEVELT BL (SR 6001), SEG 290, PHILADELPHIA (CITY), Philadelphia County
129. Rank 38, GERMANTOWN PK (SR 3053), SEG 120, PLYMOUTH (TWP), Montgomery County
130. Rank 39, SWEDES FORD RD (SR 3036), SEG 4, UPPER MERION (TWP), Montgomery County
131. Rank 39, WEST CHESTER PK (SR 3), SEG 161, HAVERFORD (TWP), Delaware County
132. Rank 39, ROOSEVELT BL (SR 6001), SEG 280, PHILADELPHIA (CITY), Philadelphia County
133. Rank 39, WEST CHESTER PK (SR 3), SEG 111, MARPLE (TWP), Delaware County
134. Rank 39, WEST CHESTER PK (SR 3), SEG 191, HAVERFORD (TWP), Delaware County
135. Rank 39, WELSH RD (SR 63), SEG 482, UPPER DUBLIN (TWP), Montgomery County
136. Rank 39, ROOSEVELT BL (SR 6001), SEG 370, PHILADELPHIA (CITY), Philadelphia County
137. Rank 39, ROOSEVELT BL (SR 6001), SEG 351, PHILADELPHIA (CITY), Philadelphia County
138. Rank 39, PROVIDENCE AV (SR 320), SEG 50, CHESTER (CITY), Delaware County
139. Rank 39, ROOSEVELT BL (SR 6001), SEG 360, PHILADELPHIA (CITY), Philadelphia County
140. Rank 39, ROOSEVELT BL (SR 6001), SEG 361, PHILADELPHIA (CITY), Philadelphia County
141. Rank 39, DUTTONS MILL RD (SR 3020), SEG 10, ASTON (TWP), Delaware County
142. Rank 39, BALTIMORE PK (SR 1), SEG 190, MIDDLETOWN (TWP), Delaware County
143. Rank 39, GRANT AV (SR 1018), SEG 90, PHILADELPHIA (CITY), Philadelphia County
144. Rank 39, WELSH RD (SR 63), SEG 332, UPPER GWYNEDD (TWP), Montgomery County
145. Rank 39, WEST CHESTER PK (SR 3), SEG 151, HAVERFORD (TWP), Delaware County



146. Rank 39, BALTIMORE PK (SR 1), SEG 150, CHESTER HEIGHTS (BORO), Delaware County
147. Rank 40, SPRUCE ST (G066), SEG 20, FIFTYSECOND/SR3017 to THIRTYEIGHTH/SR0013, PHILADELPHIA (CITY), Philadelphia County
148. Rank 41, STREET RD (SR 132), SEG 302, BENSALEM (TWP), Bucks County
149. Rank 42, WASHINGTON AV (G016), SEG 20, GRAYS FERRY AV to BROAD ST/SR0291, PHILADELPHIA (CITY), Philadelphia County
150. Rank 43, MAIN ST (G115), SEG 136, NORTH END LFA BRIDGE to FORREST AV/SR3019, WEST NORRITON (TWP), Montgomery County
151. Rank 44, SIXTYTHIRD ST (SR 3015), SEG 91, PHILADELPHIA (CITY), Philadelphia County
152. Rank 45, NINTH ST (SR 6013), SEG 30, CHESTER (TWP), Delaware County
153. Rank 46, PASSYUNK AV (SR 3019), SEG 65, PHILADELPHIA (CITY), Philadelphia County
154. Rank 46, PASSYUNK AV (SR 3019), SEG 64, PHILADELPHIA (CITY), Philadelphia County
155. Rank 47, JOHN F KENNEDY BL (SR 3037), SEG 23, PHILADELPHIA (CITY), Philadelphia County
156. Rank 47, FIFTYSECOND ST (SR 3017), SEG 30, PHILADELPHIA (CITY), Philadelphia County
157. Rank 48, GERMANTOWN AV (G557), SEG 10, LEHIGH AV/SR2014 to ERIE AV/SR1004, PHILADELPHIA (CITY), Philadelphia County
158. Rank 49, WEST CHESTER PK (SR 3), SEG 220, UPPER DARBY (TWP), Delaware County
159. Rank 50, CHESTNUT ST (SR 3), SEG 80, PHILADELPHIA (CITY), Philadelphia County
160. Rank 51, CITY AV (SR 1), SEG 50, PHILADELPHIA (CITY), Philadelphia County
161. Rank 52, SIXTYTHIRD ST (SR 3015), SEG 90, PHILADELPHIA (CITY), Philadelphia County
162. Rank 53, ROBERTS AV (SR 4009), SEG 10, PHILADELPHIA (CITY), Philadelphia County
163. Rank 54, CITY AV (SR 1), SEG 70, PHILADELPHIA (CITY), Philadelphia County
164. Rank 55, WELSH RD (SR 532), SEG 10, PHILADELPHIA (CITY), Philadelphia County
165. Rank 56, KNIGHTS RD (SR 1015), SEG 30, PHILADELPHIA (CITY), Philadelphia County
166. Rank 56, STREET RD (SR 132), SEG 292, BENSALEM (TWP), Bucks County
167. Rank 56, LANCASTER AV (SR 3012), SEG 10, PHILADELPHIA (CITY), Philadelphia County
168. Rank 57, FAYETTE ST (SR 3016), SEG 60, CONSHOHOCKEN (BORO), Montgomery County
169. Rank 58, EASTON RD (SR 611), SEG 201, HORSHAM (TWP), Montgomery County
170. Rank 58, EASTON RD (SR 611), SEG 200, HORSHAM (TWP), Montgomery County
171. Rank 58, CHESTER PK (SR 13), SEG 181, PROSPECT PARK (BORO), Delaware County
172. Rank 59, CHESTER PK (SR 13), SEG 191, PROSPECT PARK (BORO), Delaware County
173. Rank 59, CHESTER PK (SR 13), SEG 190, PROSPECT PARK (BORO), Delaware County
174. Rank 60, EDMONT AV (SR 352), SEG 20, CHESTER (CITY), Delaware County
175. Rank 60, NINTH ST (SR 6013), SEG 60, CHESTER (CITY), Delaware County
176. Rank 61, CHESTNUT ST (SR 3), SEG 90, PHILADELPHIA (CITY), Philadelphia County
177. Rank 62, WALNUT ST (SR 3), SEG 71, PHILADELPHIA (CITY), Philadelphia County
178. Rank 63, FIFTYSECOND ST (SR 3017), SEG 40, PHILADELPHIA (CITY), Philadelphia County
179. Rank 64, FOX ST (G591), SEG 10, MIDVALE AV/SR4011 to TWENTYSECOND ST, PHILADELPHIA (CITY), Philadelphia County
180. Rank 64, CHESTNUT ST (SR 3), SEG 30, PHILADELPHIA (CITY), Philadelphia County
181. Rank 65, OLD YORK RD (SR 611), SEG 110, ABINGTON (TWP), Montgomery County
182. Rank 66, WEST CHESTER PK (SR 3), SEG 221, UPPER DARBY (TWP), Delaware County
183. Rank 67, RIDGE AV (SR 3009), SEG 40, PHILADELPHIA (CITY), Philadelphia County
184. Rank 68, CITY AV (SR 1), SEG 60, PHILADELPHIA (CITY), Philadelphia County
185. Rank 68, RIDGE AV (SR 3009), SEG 80, PHILADELPHIA (CITY), Philadelphia County
186. Rank 68, WISSAHICKON AV (SR 4003), SEG 10, PHILADELPHIA (CITY), Philadelphia County
187. Rank 68, WISSAHICKON AV (SR 4003), SEG 11, PHILADELPHIA (CITY), Philadelphia County
188. Rank 68, RIDGE AV (SR 3009), SEG 130, PHILADELPHIA (CITY), Philadelphia County

189. Rank 68, RISING SUN AV (SR 1001), SEG 30, PHILADELPHIA (CITY), Philadelphia County
190. Rank 69, HIGH ST (SR 4031), SEG 360, POTTSTOWN (BORO), Montgomery County
191. Rank 69, GLENWOOD AV (G052), SEG 10, YORK ST to BROAD ST/SR0611, PHILADELPHIA (CITY), Philadelphia County
192. Rank 69, PASSYUNK AV (SR 3019), SEG 110, PHILADELPHIA (CITY), Philadelphia County
193. Rank 70, BROAD ST (SR 611), SEG 7, PHILADELPHIA (CITY), Philadelphia County
194. Rank 70, RISING SUN AV (SR 1001), SEG 10, PHILADELPHIA (CITY), Philadelphia County
195. Rank 71, OREGON AV (G009), SEG 20, TWENTYFOURTH ST to TWENTIETH ST, PHILADELPHIA (CITY), Philadelphia County
196. Rank 72, KNIGHTS RD (SR 1015), SEG 31, PHILADELPHIA (CITY), Philadelphia County
197. Rank 72, WEST CHESTER PK (SR 3), SEG 210, UPPER DARBY (TWP), Delaware County
198. Rank 72, FAYETTE ST (SR 3016), SEG 61, CONSHOHOCKEN (BORO), Montgomery County
199. Rank 73, CHESTER PK (SR 13), SEG 220, FOLCROFT (BORO), Delaware County
200. Rank 73, WALNUT ST (SR 3), SEG 41, PHILADELPHIA (CITY), Philadelphia County
201. Rank 73, STREET RD (SR 132), SEG 82, WARMINSTER (TWP), Bucks County
202. Rank 73, TOWNSHIP LINE RD (SR 1), SEG 370, UPPER DARBY (TWP), Delaware County
203. Rank 73, STATE RD (SR 1007), SEG 91, PHILADELPHIA (CITY), Philadelphia County
204. Rank 73, CHESTER PK (SR 13), SEG 221, FOLCROFT (BORO), Delaware County
205. Rank 73, OLD YORK RD (SR 611), SEG 100, ABINGTON (TWP), Montgomery County
206. Rank 73, PARKSIDE AV (SR 3017), SEG 80, PHILADELPHIA (CITY), Philadelphia County
207. Rank 74, HARBISON AV (G729), SEG 10, ROOSEVELT BL/SR6001 to BUSTLETON AV/SR1009, PHILADELPHIA (CITY), Philadelphia County
208. Rank 74, HIGH ST (SR 4031), SEG 350, POTTSTOWN (BORO), Montgomery County
209. Rank 74, PENNELL RD (SR 452), SEG 80, ASTON (TWP), Delaware County
210. Rank 75, OLD LINCOLN HW (SR 2037), SEG 10, BENSALEM (TWP), Bucks County
211. Rank 75, CHESTER PK (SR 13), SEG 210, GLENOLDEN (BORO), Delaware County
212. Rank 75, BUSINESS 30/LINCOLN HWY (SR 3070), SEG 170, CALN (TWP), Chester County
213. Rank 75, CHESTER PK (SR 13), SEG 211, GLENOLDEN (BORO), Delaware County
214. Rank 75, TWENTYSECOND ST (SR 2006), SEG 30, CHESTER (CITY), Delaware County
215. Rank 75, DEKALB PK (SR 202), SEG 70, UPPER MERION (TWP), Montgomery County
216. Rank 76, STREET RD (SR 132), SEG 232, BENSALEM (TWP), Bucks County
217. Rank 76, SECOND STREET PK (SR 232), SEG 20, UPPER SOUTHAMPTON (TWP), Bucks County
218. Rank 76, RIDGE PK (SR 4031), SEG 10, LOWER PROVIDENCE (TWP), Montgomery County
219. Rank 76, MACDADE BL (SR 2006), SEG 134, COLLINGDALE (BORO), Delaware County
220. Rank 77, WEST CHESTER PK (SR 3), SEG 71, NEWTOWN (TWP), Delaware County
221. Rank 77, FITZWATERTOWN RD (SR 2038), SEG 70, UPPER MORELAND (TWP), Montgomery County
222. Rank 77, RIDGE PK (G115), SEG 50, JOSHUA RD/SR 3014 to BUTLER PK, WHITEMARSH (TWP), Montgomery County
223. Rank 77, MAIN ST (SR 463), SEG 52, HATFIELD (BORO), Montgomery County
224. Rank 78, DEKALB PK (SR 202), SEG 71, UPPER MERION (TWP), Montgomery County
225. Rank 78, STREET RD (SR 132), SEG 72, WARMINSTER (TWP), Bucks County
226. Rank 78, CHESTER PK (SR 13), SEG 171, RIDLEY PARK (BORO), Delaware County
227. Rank 79, WASHINGTON AV (G016), SEG 30, BROAD ST/SR0291 to C COLUMBUS BL/SR2001, PHILADELPHIA (CITY), Philadelphia County
228. Rank 80, SPRUCE ST (G066), SEG 30, THIRTYEIGHTH/SR0013 to THIRTYFOURTH ST, PHILADELPHIA (CITY), Philadelphia County
229. Rank 81, CHEW AV (SR 4004), SEG 30, PHILADELPHIA (CITY), Philadelphia County
230. Rank 82, FIFTYSECOND ST (SR 3017), SEG 61, PHILADELPHIA (CITY), Philadelphia County
231. Rank 82, FIFTYSECOND ST (SR 3017), SEG 60, PHILADELPHIA (CITY), Philadelphia County
232. Rank 83, SIXTYTHIRD ST (SR 3015), SEG 101, PHILADELPHIA (CITY), Philadelphia County
233. Rank 83, SIXTYTHIRD ST (SR 3015), SEG 100, PHILADELPHIA (CITY), Philadelphia County

234. Rank 84, RIDGE AV (SR 3009), SEG 120, PHILADELPHIA (CITY), Philadelphia County
235. Rank 85, WALNUT ST (SR 3), SEG 81, PHILADELPHIA (CITY), Philadelphia County
236. Rank 86, THIRTYFOURTH ST (G051), SEG 40, CHESTNUT ST/SR0003 to MARKET ST/SR3010, PHILADELPHIA (CITY), Philadelphia County
237. Rank 87, THIRTYFOURTH ST (G051), SEG 20, SPRUCE ST to WALNUT ST/SR0003, PHILADELPHIA (CITY), Philadelphia County
238. Rank 87, OLNEY AV (SR 4004), SEG 40, PHILADELPHIA (CITY), Philadelphia County
239. Rank 88, RIDGE AV (SR 3009), SEG 20, PHILADELPHIA (CITY), Philadelphia County
240. Rank 88, ADAMS AV (SR 1002), SEG 81, PHILADELPHIA (CITY), Philadelphia County
241. Rank 89, ADAMS AV (SR 1002), SEG 80, PHILADELPHIA (CITY), Philadelphia County
242. Rank 90, COBBS CREEK PY (SR 3), SEG 20, PHILADELPHIA (CITY), Philadelphia County
243. Rank 91, PASSYUNK AV (SR 3019), SEG 90, PHILADELPHIA (CITY), Philadelphia County
244. Rank 91, LANCASTER AV (SR 30), SEG 60, LOWER MERION (TWP), Montgomery County
245. Rank 91, STENTON AV (SR 4002), SEG 100, PHILADELPHIA (CITY), Philadelphia County
246. Rank 92, WHITAKER AV (SR 1003), SEG 20, PHILADELPHIA (CITY), Philadelphia County
247. Rank 92, OLD YORK RD (SR 611), SEG 111, ABINGTON (TWP), Montgomery County
248. Rank 92, CHELTENHAM AV (SR 2035), SEG 10, PHILADELPHIA (CITY), Montgomery County
249. Rank 93, BUSTLETON AV (SR 532), SEG 70, PHILADELPHIA (CITY), Philadelphia County
250. Rank 93, STENTON AV (SR 4002), SEG 70, PHILADELPHIA (CITY), Philadelphia County
251. Rank 93, BUSTLETON AV (SR 532), SEG 71, PHILADELPHIA (CITY), Philadelphia County
252. Rank 93, OREGON AV (G116), SEG 20, TWENTIETH ST to TWENYFOURTH ST, PHILADELPHIA (CITY), Philadelphia County
253. Rank 93, WALNUT ST (SR 3), SEG 31, PHILADELPHIA (CITY), Philadelphia County
254. Rank 93, MAIN ST (G076), SEG 20, GREEN LANE BRIDGE to SHURS LN, PHILADELPHIA (CITY), Philadelphia County
255. Rank 93, PASSYUNK AV (SR 3019), SEG 91, PHILADELPHIA (CITY), Philadelphia County
256. Rank 94, RISING SUN AV (SR 1001), SEG 20, PHILADELPHIA (CITY), Philadelphia County
257. Rank 94, BELMONT AV (SR 3005), SEG 110, PHILADELPHIA (CITY), Philadelphia County
258. Rank 94, MAIN ST (G115), SEG 120, DEKALB ST/SR0202 to BARBADOES ST, NORRISTOWN (BORO), Montgomery County
259. Rank 95, PASSYUNK AV (SR 3019), SEG 100, PHILADELPHIA (CITY), Philadelphia County
260. Rank 95, ROOSEVELT BL (SR 13), SEG 180, PHILADELPHIA (CITY), Philadelphia County
261. Rank 95, ADAMS AV (SR 1002), SEG 71, PHILADELPHIA (CITY), Philadelphia County
262. Rank 95, BELMONT AV (SR 3005), SEG 120, PHILADELPHIA (CITY), Philadelphia County
263. Rank 95, ADAMS AV (SR 1002), SEG 70, PHILADELPHIA (CITY), Philadelphia County
264. Rank 95, RISING SUN AV (SR 1001), SEG 60, PHILADELPHIA (CITY), Philadelphia County
265. Rank 95, RIDGE AV (SR 3009), SEG 50, PHILADELPHIA (CITY), Philadelphia County
266. Rank 96, MARSHALL ST (G356), SEG 30, MARKLEY ST/SR3020 to DEKALB PK/SR0202, NORRISTOWN (BORO), Montgomery County
267. Rank 96, BELMONT AV (SR 3005), SEG 161, PHILADELPHIA (CITY), Philadelphia County
268. Rank 96, CHESTNUT ST (SR 3), SEG 60, PHILADELPHIA (CITY), Philadelphia County
269. Rank 96, BELMONT AV (SR 3005), SEG 160, PHILADELPHIA (CITY), Philadelphia County
270. Rank 96, ROOSEVELT BL (SR 13), SEG 181, PHILADELPHIA (CITY), Philadelphia County
271. Rank 96, HUNTING PARK AV (G048), SEG 20, FIFTH ST to AMERICAN ST, PHILADELPHIA (CITY), Philadelphia County
272. Rank 96, PARKSIDE AV (SR 3017), SEG 70, PHILADELPHIA (CITY), Philadelphia County



273. Rank 96, GRANT AV (SR 1018), SEG 31, PHILADELPHIA (CITY), Philadelphia County
274. Rank 97, VERREE RD (SR 1001), SEG 100, PHILADELPHIA (CITY), Philadelphia County
275. Rank 97, RED LION RD (G164), SEG 10, ROOSEVELT BL/SR0001 to HALDEMAN AV, PHILADELPHIA (CITY), Philadelphia County
276. Rank 97, RED LION RD (G164), SEG 20, HALDEMAN AV to SOUTH END LFA BRIDGE, PHILADELPHIA (CITY), Philadelphia County
277. Rank 97, MOUNT PLEASANT AV (G142), SEG 30, STENTON AV/SR4002 to CHELTENHAM AV/SR2035, PHILADELPHIA (CITY), Philadelphia County
278. Rank 97, KNIGHTS RD (SR 1015), SEG 50, PHILADELPHIA (CITY), Philadelphia County
279. Rank 97, THIRTYFOURTH ST (G051), SEG 30, WALNUT ST/SR0003 to CHESTNUT ST/SR0003, PHILADELPHIA (CITY), Philadelphia County
280. Rank 98, PHILMONT AV (SR 1020), SEG 30, PHILADELPHIA (CITY), Philadelphia County
281. Rank 98, BUSTLETON AV (SR 532), SEG 81, PHILADELPHIA (CITY), Philadelphia County
282. Rank 98, BUSTLETON AV (SR 532), SEG 80, PHILADELPHIA (CITY), Philadelphia County
283. Rank 98, NINTH ST (SR 3006), SEG 70, CHESTER (CITY), Delaware County
284. Rank 98, CHURCH LN (SR 13), SEG 290, YEADON (BORO), Delaware County
285. Rank 98, OLD YORK RD (SR 611), SEG 91, JENKINTOWN (BORO), Montgomery County
286. Rank 98, CHELTENHAM AV (SR 309), SEG 51, PHILADELPHIA (CITY), Montgomery County
287. Rank 98, UPSAL ST (SR 4017), SEG 60, PHILADELPHIA (CITY), Philadelphia County
288. Rank 98, VERREE RD (SR 1001), SEG 90, PHILADELPHIA (CITY), Philadelphia County
289. Rank 98, LANCASTER AV (SR 3005), SEG 100, PHILADELPHIA (CITY), Philadelphia County
290. Rank 98, HENRY AV (SR 4001), SEG 120, PHILADELPHIA (CITY), Philadelphia County
291. Rank 98, SIXTYTHIRD ST (SR 3004), SEG 40, PHILADELPHIA (CITY), Philadelphia County
292. Rank 98, THIRTYTHIRD ST (G063), SEG 12, POWELTON AV to SPRING GARDEN/ SR3014, PHILADELPHIA (CITY), Philadelphia County
293. Rank 99, CITY AV (SR 1), SEG 30, PHILADELPHIA (CITY), Philadelphia County
294. Rank 99, CHEW AV (SR 4004), SEG 10, PHILADELPHIA (CITY), Philadelphia County
295. Rank 99, MARSHALL ST (SR 3019), SEG 20, WEST NORRITON (TWP), Montgomery County
296. Rank 99, GLENWOOD AV (G052), SEG 20, BROAD ST/SR0611 to ALLEGHENY AV/ SR2016, PHILADELPHIA (CITY), Philadelphia County
297. Rank 99, STATE RD (SR 1007), SEG 101, PHILADELPHIA (CITY), Philadelphia County
298. Rank 99, BALTIMORE PK (SR 2016), SEG 141, UPPER DARBY (TWP), Delaware County
299. Rank 99, KNIGHTS RD (SR 2019), SEG 10, BENSALEM (TWP), Bucks County
300. Rank 99, OXFORD VALLEY RD (SR 2051), SEG 60, BRISTOL (TWP), Bucks County
301. Rank 99, TOWNSHIP LINE RD (SR 1), SEG 360, UPPER DARBY (TWP), Delaware County
302. Rank 99, POPLAR DR (G029), SEG 20, SEDGLEY DR to GIRARD AV/SR2008, PHILADELPHIA (CITY), Philadelphia County
303. Rank 99, MAIN ST (SR 63), SEG 312, LANSDALE (BORO), Montgomery County
304. Rank 99, BERKLEY ST (SR 4009), SEG 40, PHILADELPHIA (CITY), Philadelphia County
305. Rank 99, STATE RD (SR 1007), SEG 100, PHILADELPHIA (CITY), Philadelphia County
306. Rank 99, OXFORD VALLEY RD (SR 2051), SEG 61, BRISTOL (TWP), Bucks County
307. Rank 99, BALTIMORE AV (SR 13), SEG 330, UPPER DARBY (TWP), Delaware County
308. Rank 100, MACDADE BL (SR 2006), SEG 130, DARBY (TWP), Delaware County
309. Rank 100, LINCOLN DR (SR 4013), SEG 70, PHILADELPHIA (CITY), Philadelphia County
310. Rank 100, NINTH ST (SR 6013), SEG 50, CHESTER (CITY), Delaware County
311. Rank 100, HENRY AV (SR 4001), SEG 121, PHILADELPHIA (CITY), Philadelphia County
312. Rank 100, EASTON RD (G149), SEG 80, SR 2017 to WOODLAND RD, ABINGTON (TWP), Montgomery County
313. Rank 100, WEST CHESTER PK (SR 3), SEG 80, WEST GOSHEN (TWP), Chester County
314. Rank 100, RIDGE PK (SR 363), SEG 70, WEST NORRITON (TWP), Montgomery County

315. Rank 100, HORSHAM RD (SR 463), SEG 132, MONTGOMERY (TWP), Montgomery County
316. Rank 100, WEST CHESTER PK (SR 3), SEG 211, UPPER DARBY (TWP), Delaware County
317. Rank 100, BETHLEHEM PK (SR 2018), SEG 41, WHITEMARSH (TWP), Montgomery County
318. Rank 100, SEVENTIETH ST (G069), SEG 20, LINDBERGH BL to BUIST AV, PHILADELPHIA (CITY), Philadelphia County
319. Rank 100, LINCOLN DR (SR 4013), SEG 60, PHILADELPHIA (CITY), Philadelphia County
320. Rank 100, EASTON RD (SR 152), SEG 10, CHELTENHAM (TWP), Montgomery County
321. Rank 100, STATE RD (SR 2026), SEG 80, UPPER DARBY (TWP), Delaware County
322. Rank 100, TENTH ST (SR 13), SEG 20, MARCUS HOOK (BORO), Delaware County
323. Rank 100, HORSHAM RD (SR 463), SEG 133, MONTGOMERY (TWP), Montgomery County
324. Rank 101, NEW FALLS RD (SR 2006), SEG 40, BRISTOL (TWP), Bucks County
325. Rank 101, STENTON AV (SR 4002), SEG 20, PHILADELPHIA (CITY), Philadelphia County
326. Rank 101, STATE RD (SR 1007), SEG 130, PHILADELPHIA (CITY), Philadelphia County
327. Rank 101, STATE RD (SR 1007), SEG 131, PHILADELPHIA (CITY), Philadelphia County
328. Rank 101, STREET RD (SR 132), SEG 312, BENSLEM (TWP), Bucks County
329. Rank 101, SUSQUEHANNA RD (SR 2017), SEG 50, ABINGTON (TWP), Montgomery County
330. Rank 101, ROBERTS AV (SR 4009), SEG 30, PHILADELPHIA (CITY), Philadelphia County
331. Rank 101, LANSLOWNE AV (SR 2005), SEG 110, UPPER DARBY (TWP), Delaware County
332. Rank 101, EDMONT AV (SR 352), SEG 50, BROOKHAVEN (BORO), Delaware County
333. Rank 101, OXFORD VALLEY RD (SR 2029), SEG 130, FALLS (TWP), Bucks County
334. Rank 101, ACADEMY RD (SR 1013), SEG 41, PHILADELPHIA (CITY), Philadelphia County
335. Rank 101, YORK RD (SR 263), SEG 21, WARMINSTER (TWP), Bucks County
336. Rank 101, YORK RD (SR 263), SEG 20, WARMINSTER (TWP), Bucks County
337. Rank 101, ACADEMY RD (SR 1013), SEG 40, PHILADELPHIA (CITY), Philadelphia County
338. Rank 101, EASTON RD (SR 611), SEG 30, WARRINGTON (TWP), Bucks County
339. Rank 102, CHESTER PK (SR 13), SEG 230, FOLCROFT (BORO), Delaware County
340. Rank 102, RIDGE AV (SR 3009), SEG 190, PHILADELPHIA (CITY), Philadelphia County
341. Rank 102, BROAD ST (SR 2004), SEG 30, HATFIELD (TWP), Montgomery County
342. Rank 102, EASTON RD (SR 611), SEG 20, WARRINGTON (TWP), Bucks County
343. Rank 102, OLD YORK RD (SR 611), SEG 101, ABINGTON (TWP), Montgomery County
344. Rank 102, EASTON RD (SR 611), SEG 70, DOYLESTOWN (TWP), Bucks County
345. Rank 102, CHRISTOPHER COLUMBUS BL (SR 2001), SEG 61, PHILADELPHIA (CITY), Philadelphia County
346. Rank 102, TROOPER RD (SR 363), SEG 40, WEST NORRITON (TWP), Montgomery County
347. Rank 102, MACDADE BL (SR 2006), SEG 120, GLENOLDEN (BORO), Delaware County
348. Rank 102, TOWNSHIP LINE RD (SR 1), SEG 380, UPPER DARBY (TWP), Delaware County
349. Rank 102, BUSINESS 30/LINCOLN HWY (SR 3070), SEG 373, WEST WHITELAND (TWP), Chester County
350. Rank 102, TOWNSHIP LINE RD (SR 1), SEG 381, HAVERFORD (TWP), Delaware County
351. Rank 102, DEKALB ST (SR 202), SEG 150, NORRISTOWN (BORO), Montgomery County
352. Rank 102, CHRISTOPHER COLUMBUS BL (SR 2001), SEG 100, PHILADELPHIA (CITY), Philadelphia County
353. Rank 103, BUSINESS 30/LINCOLN HWY (SR 3070), SEG 190, CALN (TWP), Chester County
354. Rank 103, CHELTENHAM AV (SR 2035), SEG 21, PHILADELPHIA (CITY), Montgomery County
355. Rank 103, HENRY AV (SR 4001), SEG 100, PHILADELPHIA (CITY), Philadelphia County
356. Rank 103, WILMINGTON PK (SR 202), SEG 90, CONCORD (TWP), Delaware County

357. Rank 103, BUSINESS 30/LINCOLN HWY (SR 3070), SEG 220, CALN (TWP), Chester County
358. Rank 103, WILMINGTON PK (SR 202), SEG 91, CHADDS FORD (TWP), Delaware County
359. Rank 103, BETHLEHEM PK (SR 2018), SEG 70, WHITEMARSH (TWP), Montgomery County
360. Rank 103, MONTGOMERY AV (SR 2025), SEG 50, CHELTENHAM (TWP), Montgomery County
361. Rank 103, PENROSE AV (SR 291), SEG 100, PHILADELPHIA (CITY), Philadelphia County
362. Rank 103, DEKALB PK (SR 202), SEG 40, UPPER MERION (TWP), Montgomery County
363. Rank 103, RIDGE AV (SR 3009), SEG 70, PHILADELPHIA (CITY), Philadelphia County
364. Rank 103, GRANT AV (SR 1018), SEG 40, PHILADELPHIA (CITY), Philadelphia County
365. Rank 103, LINCOLN AV (SR 420), SEG 31, PROSPECT PARK (BORO), Delaware County
366. Rank 103, ACADEMY RD (SR 1013), SEG 70, PHILADELPHIA (CITY), Philadelphia County
367. Rank 103, RIDGE PK (SR 4031), SEG 220, LIMERICK (TWP), Montgomery County
368. Rank 103, LINCOLN HW (SR 1), SEG 21, BENSALEM (TWP), Bucks County
369. Rank 103, OLD LINCOLN HW (SR 2037), SEG 20, BENSALEM (TWP), Bucks County
370. Rank 103, CHELTENHAM AV (SR 2035), SEG 20, PHILADELPHIA (CITY), Montgomery County
371. Rank 103, MACDADE BL (SR 13), SEG 270, YEADON (BORO), Delaware County
372. Rank 103, WEST CHESTER PK (SR 3), SEG 110, MARPLE (TWP), Delaware County
373. Rank 103, BLAIR MILL RD (SR 2026), SEG 11, UPPER DUBLIN (TWP), Montgomery County
374. Rank 104, YORK RD (SR 263), SEG 10, HATBORO (BORO), Bucks County
375. Rank 104, TOWNSHIP LINE RD (SR 73), SEG 651, CHELTENHAM (TWP), Montgomery County
376. Rank 104, WELSH RD (SR 63), SEG 232, TOWAMENCIN (TWP), Montgomery County
377. Rank 104, MEARNES RD (SR 2077), SEG 10, WARMINSTER (TWP), Bucks County
378. Rank 104, SCHUYLKILL RD (SR 724), SEG 202, EAST VINCENT (TWP), Chester County
379. Rank 104, GRANT AV (SR 1018), SEG 41, PHILADELPHIA (CITY), Philadelphia County
380. Rank 104, NEW MIDDLETOWN RD (SR 352), SEG 60, BROOKHAVEN (BORO), Delaware County
381. Rank 104, POTTSTOWN PK (SR 3100), SEG 140, WEST GOSHEN (TWP), Chester County
382. Rank 104, OLD LINCOLN HW (SR 2037), SEG 30, BENSALEM (TWP), Bucks County
383. Rank 104, CITY AV (SR 1), SEG 40, PHILADELPHIA (CITY), Philadelphia County
384. Rank 104, BUSINESS 30/LINCOLN HWY (SR 3070), SEG 230, DOWNINGTOWN (BORO), Chester County
385. Rank 104, BARBADOES ST (G114), SEG 10, MAIN ST to LAFAYETTE ST, NORRISTOWN (BORO), Montgomery County
386. Rank 104, LANCASTER AV (SR 30), SEG 490, EAST WHITELAND (TWP), Chester County
387. Rank 104, TRENTON RD (SR 2018), SEG 50, MIDDLETOWN (TWP), Bucks County
388. Rank 104, NEWTOWN LANGHORNE RD (SR 413), SEG 270, MIDDLETOWN (TWP), Bucks County
389. Rank 104, BUSINESS 30/LINCOLN HWY (SR 3070), SEG 180, CALN (TWP), Chester County
390. Rank 104, HENRY AV (SR 4001), SEG 101, PHILADELPHIA (CITY), Philadelphia County
391. Rank 104, CHEMICAL RD (SR 3015), SEG 60, PLYMOUTH (TWP), Montgomery County
392. Rank 104, RIDGE PK (SR 4031), SEG 173, LIMERICK (TWP), Montgomery County
393. Rank 104, SCHUYLKILL RD (SR 23), SEG 400, SCHUYLKILL (TWP), Chester County
394. Rank 104, BALTIMORE PK (SR 1), SEG 141, CHESTER HEIGHTS (BORO), Delaware County
395. Rank 104, BOOT RD (SR 2020), SEG 130, WEST GOSHEN (TWP), Chester County
396. Rank 104, EGYPT RD (SR 4002), SEG 90, LOWER PROVIDENCE (TWP), Montgomery County
397. Rank 104, RIDGE PK (SR 4031), SEG 20, LOWER PROVIDENCE (TWP), Montgomery County
398. Rank 104, VERREE RD (SR 1001), SEG 130, PHILADELPHIA (CITY), Philadelphia County
399. Rank 104, BUSTLETON PK (SR 532), SEG 20, LOWER SOUTHAMPTON (TWP), Bucks County



400. Rank 104, BENSALEM BL (SR 2015), SEG 10, BENSALEM (TWP), Bucks County

#### **Erie Area Transportation Study MPO**

1. Rank 1, TWELFTH ST (SR 5), SEG 460, MILLCREEK (TWP), Erie County
2. Rank 2, PEACH ST (SR 19), SEG 390, ERIE (CITY), Erie County
3. Rank 3, PEACH ST (SR 19), SEG 380, ERIE (CITY), Erie County
4. Rank 4, PENINSULA DR (SR 832), SEG 220, MILLCREEK (TWP), Erie County
5. Rank 4, SR 0832 SH (SR 832), SEG 221, MILLCREEK (TWP), Erie County
6. Rank 4, TWELFTH ST (SR 5), SEG 530, ERIE (CITY), Erie County
7. Rank 4, TWELFTH ST (SR 5), SEG 531, ERIE (CITY), Erie County
8. Rank 5, TWELFTH ST (SR 5), SEG 501, ERIE (CITY), Erie County
9. Rank 5, TWELFTH ST (SR 5), SEG 500, ERIE (CITY), Erie County
10. Rank 6, BUFFALO RD (SR 20), SEG 680, HARBORCREEK (TWP), Erie County
11. Rank 7, BUFFALO RD (SR 20), SEG 894, NORTH EAST (TWP), Erie County
12. Rank 8, BUFFALO RD (SR 20), SEG 890, NORTH EAST (TWP), Erie County
13. Rank 8, MAIN ST (SR 20), SEG 250, GIRARD (BORO), Erie County
14. Rank 9, TWENTYSIXTH ST (SR 20), SEG 510, MILLCREEK (TWP), Erie County
15. Rank 10, RIDGE RD (SR 20), SEG 470, MILLCREEK (TWP), Erie County
16. Rank 11, PEACH ST (SR 19), SEG 370, ERIE (CITY), Erie County
17. Rank 11, MAIN ST (SR 20), SEG 910, NORTH EAST (BORO), Erie County
18. Rank 11, TWENTYSIXTH ST (SR 20), SEG 511, MILLCREEK (TWP), Erie County
19. Rank 12, PEACH ST (SR 19), SEG 360, ERIE (CITY), Erie County
20. Rank 12, TWELFTH ST (SR 5), SEG 440, MILLCREEK (TWP), Erie County
21. Rank 12, OLD FRENCH RD (SR 197), SEG 410, ERIE (CITY), Erie County
22. Rank 12, RIDGE RD (SR 20), SEG 471, MILLCREEK (TWP), Erie County
23. Rank 13, OLD FRENCH RD (SR 197), SEG 390, MILLCREEK (TWP), Erie County
24. Rank 13, RIDGE RD (SR 20), SEG 481, MILLCREEK (TWP), Erie County
25. Rank 13, PEACH ST (SR 19), SEG 301, SUMMIT (TWP), Erie County
26. Rank 13, ASBURY RD (SR 4009), SEG 10, MILLCREEK (TWP), Erie County
27. Rank 13, PEACH ST (SR 19), SEG 300, SUMMIT (TWP), Erie County
28. Rank 13, RIDGE RD (SR 20), SEG 450, MILLCREEK (TWP), Erie County
29. Rank 13, RIDGE RD (SR 20), SEG 441, MILLCREEK (TWP), Erie County

30. Rank 13, RIDGE RD (SR 20), SEG 461, MILLCREEK (TWP), Erie County
31. Rank 13, LAKE RD (SR 5), SEG 680, LAWRENCE PARK (TWP), Erie County
32. Rank 13, PEACH ST (SR 19), SEG 340, MILLCREEK (TWP), Erie County
33. Rank 13, TWELFTH ST (SR 5), SEG 430, MILLCREEK (TWP), Erie County
34. Rank 13, TWELFTH ST (SR 5), SEG 450, MILLCREEK (TWP), Erie County
35. Rank 13, GRANDVIEW BL (SR 4014), SEG 20, ERIE (CITY), Erie County
36. Rank 13, RIDGE RD (SR 20), SEG 451, MILLCREEK (TWP), Erie County
37. Rank 13, OLD FRENCH RD (SR 197), SEG 380, MILLCREEK (TWP), Erie County
38. Rank 13, RIDGE RD (SR 20), SEG 480, MILLCREEK (TWP), Erie County
39. Rank 13, GRANDVIEW BL (SR 4014), SEG 40, ERIE (CITY), Erie County
40. Rank 13, RIDGE RD (SR 20), SEG 440, MILLCREEK (TWP), Erie County

#### **Franklin County MPO**

1. Rank 1, WAYNE AV (SR 316), SEG 331, CHAMBERSBURG (BORO), Franklin County
2. Rank 1, WAYNE AV (SR 316), SEG 330, CHAMBERSBURG (BORO), Franklin County
3. Rank 2, LINCOLN HW (SR 30), SEG 423, CHAMBERSBURG (BORO), Franklin County
4. Rank 2, LINCOLN HW (SR 30), SEG 422, CHAMBERSBURG (BORO), Franklin County
5. Rank 3, WAYNE AV (SR 316), SEG 340, CHAMBERSBURG (BORO), Franklin County
6. Rank 3, WAYNE AV (SR 316), SEG 350, CHAMBERSBURG (BORO), Franklin County
7. Rank 4, LINCOLN HW (SR 30), SEG 371, CHAMBERSBURG (BORO), Franklin County
8. Rank 5, NORLAND AV (SR 11), SEG 400, GREENE (TWP), Franklin County
9. Rank 5, MAIN ST (SR 11), SEG 300, CHAMBERSBURG (BORO), Franklin County
10. Rank 6, LINCOLN HW (SR 30), SEG 432, GUILFORD (TWP), Franklin County
11. Rank 6, BLACK GAP RD (SR 997), SEG 410, GREENE (TWP), Franklin County
12. Rank 6, LINCOLN HW (SR 30), SEG 510, GUILFORD (TWP), Franklin County
13. Rank 6, LINCOLN HW (SR 30), SEG 540, GREENE (TWP), Franklin County
14. Rank 6, ANTRIM WY (SR 11), SEG 130, GREENCASTLE (BORO), Franklin County
15. Rank 6, LINCOLN HW (SR 30), SEG 360, HAMILTON (TWP), Franklin County
16. Rank 6, LINCOLN HW (SR 30), SEG 560, GREENE (TWP), Franklin County
17. Rank 6, MOLLY PITCHER HW (SR 11), SEG 220, GUILFORD (TWP), Franklin County

18. Rank 7, WAYNE HW (SR 316), SEG 321, CHAMBERSBURG (BORO), Franklin County
19. Rank 7, KING ST (SR 11), SEG 540, SOUTHAMPTON (TWP), Franklin County
20. Rank 8, FRANKLIN ST (SR 4015), SEG 20, CHAMBERSBURG (BORO), Franklin County

#### **Harrisburg Area Transportation Study MPO**

1. Rank 1, EISENHOWER BL (SR 441), SEG 230, SWATARA (TWP), Dauphin County
2. Rank 2, FORSTER ST (SR 3016), SEG 20, HARRISBURG (CITY), Dauphin County
3. Rank 3, FORSTER ST (SR 3016), SEG 21, HARRISBURG (CITY), Dauphin County
4. Rank 4, JONESTOWN RD (SR 22), SEG 450, LOWER PAXTON (TWP), Dauphin County
5. Rank 5, JONESTOWN RD (SR 22), SEG 451, LOWER PAXTON (TWP), Dauphin County
6. Rank 6, GETTYSBURG RD (SR 2014), SEG 150, LOWER ALLEN (TWP), Cumberland County
7. Rank 6, CARLISLE PK (SR 1010), SEG 20, HAMPDEN (TWP), Cumberland County
8. Rank 6, GETTYSBURG ROAD (SR 2014), SEG 151, LOWER ALLEN (TWP), Cumberland County
9. Rank 7, SIMPSON FERRY RD (SR 2014), SEG 130, HAMPDEN (TWP), Cumberland County
10. Rank 7, RUTHERFORD RD (SR 3017), SEG 50, LOWER PAXTON (TWP), Dauphin County
11. Rank 8, TRINDLE RD (SR 641), SEG 750, CAMP HILL (BORO), Cumberland County
12. Rank 8, CARLISLE PK (SR 11), SEG 680, HAMPDEN (TWP), Cumberland County
13. Rank 9, HARRISBURG PK (SR 11), SEG 490, NORTH MIDDLETON (TWP), Cumberland County
14. Rank 9, ENOLA RD (SR 11), SEG 940, EAST PENNSBORO (TWP), Cumberland County
15. Rank 9, TRINDLE RD (SR 641), SEG 720, HAMPDEN (TWP), Cumberland County
16. Rank 9, ST JOHNS CHURCH RD (SR 2029), SEG 30, HAMPDEN (TWP), Cumberland County
17. Rank 9, SIMPSON FERRY RD (SR 2014), SEG 90, SHIREMANSTOWN (BORO), Cumberland County
18. Rank 9, ST JOHNS CHURCH RD (SR 2029), SEG 20, HAMPDEN (TWP), Cumberland County
19. Rank 9, JONESTOWN RD (SR 22), SEG 431, LOWER PAXTON (TWP), Dauphin County

20. Rank 9, CARLISLE PK (SR 11), SEG 681, HAMPDEN (TWP), Cumberland County
21. Rank 10, WESLEY DR (SR 2021), SEG 60, HAMPDEN (TWP), Cumberland County
22. Rank 10, CARLISLE PK (SR 11), SEG 641, SILVER SPRING (TWP), Cumberland County
23. Rank 10, WALNUT ST (SR 11), SEG 840, WORMLEYSBURG (BORO), Cumberland County
24. Rank 10, CARLISLE PK (SR 11), SEG 661, SILVER SPRING (TWP), Cumberland County
25. Rank 10, CARLISLE PK (SR 11), SEG 602, SILVER SPRING (TWP), Cumberland County
26. Rank 10, ENOLA RD (SR 11), SEG 950, EAST PENNSBORO (TWP), Cumberland County
27. Rank 10, ALLEN RD (SR 465), SEG 94, SOUTH MIDDLETON (TWP), Cumberland County
28. Rank 10, N PROGRESS AV (SR 3015), SEG 120, SUSQUEHANNA (TWP), Dauphin County
29. Rank 10, TRINDLE RD (SR 641), SEG 740, CAMP HILL (BORO), Cumberland County
30. Rank 10, EAST DERRY RD (D180), SEG 10, PARK AV/SR 0743 to TRINIDAD AV/ T519, DERRY (TWP), Dauphin County
31. Rank 10, WALNUT ST (SR 11), SEG 830, WORMLEYSBURG (BORO), Cumberland County
32. Rank 10, MARKET ST (SR 1010), SEG 40, CAMP HILL (BORO), Cumberland County
33. Rank 10, GETTYSBURG RD (SR 2014), SEG 141, LOWER ALLEN (TWP), Cumberland County
34. Rank 10, WALNUT ST (SR 22), SEG 401, SUSQUEHANNA (TWP), Dauphin County
35. Rank 11, STATE ST (SR 3014), SEG 50, HARRISBURG (CITY), Dauphin County
36. Rank 12, STATE ST (SR 3014), SEG 51, HARRISBURG (CITY), Dauphin County
37. Rank 13, HANOVER ST (SR 11), SEG 460, CARLISLE (BORO), Cumberland County
38. Rank 14, WILLOW ST (SR 3023), SEG 70, CARLISLE (BORO), Cumberland County
39. Rank 14, MAIN ST (SR 230), SEG 290, MIDDLETOWN (BORO), Dauphin County
40. Rank 15, DERRY ST (SR 3012), SEG 130, HARRISBURG (CITY), Dauphin County

#### **Lackawanna Luzerne Transportation Study MPO**

1. Rank 1, SANS SOUCI PY (SR 2002), SEG 40, HANOVER (TWP), Luzerne County
2. Rank 1, SANS SOUCI PY (SR 2002), SEG 41, HANOVER (TWP), Luzerne County
3. Rank 2, N RIVER ST (SR 2004), SEG 100, PLAINS (TWP), Luzerne County

4. Rank 3, DUPONT HW (SR 315), SEG 50, PLAINS (TWP), Luzerne County
  5. Rank 4, BIRNEY AV (SR 11), SEG 70, MOOSIC (BORO), Lackawanna County
  6. Rank 5, DUPONT HW (SR 315), SEG 60, PLAINS (TWP), Luzerne County
  7. Rank 5, DUPONT HW (SR 315), SEG 161, PITTSTON (TWP), Luzerne County
  8. Rank 5, DUPONT HW (SR 315), SEG 160, PITTSTON (TWP), Luzerne County
  9. Rank 5, CHESTNUT ST (SR 315), SEG 190, DUPONT (BORO), Luzerne County
  10. Rank 5, MOUNTAIN BL (SR 309), SEG 400, WRIGHT (TWP), Luzerne County
  11. Rank 6, MAIN ST (SR 2035), SEG 230, DUPONT (BORO), Luzerne County
  12. Rank 6, MAIN ST (SR 93), SEG 30, HAZLE (TWP), Luzerne County
  13. Rank 6, DUPONT HW (SR 315), SEG 44, PLAINS (TWP), Luzerne County
  14. Rank 6, SCRANTON-CARBONDALE HW (SR 6006), SEG 450, MAYFIELD (BORO), Lackawanna County
  15. Rank 6, ZIEGLER ST (SR 315), SEG 181, DUPONT (BORO), Luzerne County
  16. Rank 6, MOUNTAIN BL (SR 309), SEG 450, FAIRVIEW (TWP), Luzerne County
  17. Rank 6, DUPONT HW (SR 315), SEG 45, PLAINS (TWP), Luzerne County
  18. Rank 6, N MEMORIAL HW (SR 309), SEG 741, KINGSTON (TWP), Luzerne County
  19. Rank 6, MAIN ST (SR 11), SEG 790, DUPONT (BORO), Luzerne County
  20. Rank 6, MAIN ST (SR 315), SEG 191, DUPONT (BORO), Luzerne County
  21. Rank 6, SR 0247 SH (SR 247), SEG 130, JESSUP (BORO), Lackawanna County
  22. Rank 7, MARKET ST (SR 1009), SEG 21, WILKES-BARRE (CITY), Luzerne County
  23. Rank 7, MARKET ST (SR 1009), SEG 20, KINGSTON (BORO), Luzerne County
  24. Rank 8, S RIVER ST (SR 2004), SEG 40, WILKES-BARRE (CITY), Luzerne County
  25. Rank 9, LACKAWANNA AV (K136), SEG 40, CLIFF AV to WASHINGTON AV, SCRANTON (CITY), Lackawanna County
  26. Rank 10, WYOMING AV (SR 11), SEG 581, KINGSTON (BORO), Luzerne County
  27. Rank 10, WYOMING AV (SR 11), SEG 580, KINGSTON (BORO), Luzerne County
  28. Rank 11, LUZERNE ST (K129), SEG 70, THIRD AV to MAIN AV/SR3013, SCRANTON (CITY), Lackawanna County
  29. Rank 12, MOOSIC ST (SR 307), SEG 222, SCRANTON (CITY), Lackawanna County
  30. Rank 12, WILKES BARRE BL (K072), SEG 30, HAZLE ST to MARKET ST, WILKES-BARRE (CITY), Luzerne County
  31. Rank 13, WILKES BARRE BL (K072), SEG 34, COAL ST to BUTLER ST, WILKES-BARRE (CITY), Luzerne County
  32. Rank 14, WILKES-BARRE TWP BL (SR 6309), SEG 570, WILKES-BARRE (TWP), Luzerne County
  33. Rank 15, WYOMING AV (SR 11), SEG 571, KINGSTON (BORO), Luzerne County
  34. Rank 15, MARKET ST (SR 1009), SEG 30, KINGSTON (BORO), Luzerne County
  35. Rank 15, WYOMING AV (SR 11), SEG 570, KINGSTON (BORO), Luzerne County
  36. Rank 16, WYOMING AV (SR 11), SEG 560, EDWARDSVILLE (BORO), Luzerne County
  37. Rank 17, MARKET ST (SR 1009), SEG 31, KINGSTON (BORO), Luzerne County
  38. Rank 17, WYOMING AV (SR 11), SEG 561, EDWARDSVILLE (BORO), Luzerne County
  39. Rank 18, LACKAWANNA AV (K136), SEG 30, SEVENTH AV to CLIFF AV, SCRANTON (CITY), Lackawanna County
  40. Rank 19, CENTRE ST (SR 940), SEG 120, FREELAND (BORO), Luzerne County
- Lancaster County Transportation Study MPO**
1. Rank 1, CHESTNUT ST (164A), SEG 10, PRINCE ST/SR 0222 to QUEEN ST/SR 0072, LANCASTER (CITY), Lancaster County
  2. Rank 2, COLUMBIA AV (SR 462), SEG 210, EAST HEMPFIELD (TWP), Lancaster County
  3. Rank 3, LINCOLN HW (SR 30), SEG 430, EAST LAMPETER (TWP), Lancaster County
  4. Rank 3, COLUMBIA AV (SR 462), SEG 160, EAST HEMPFIELD (TWP), Lancaster County
  5. Rank 4, LINCOLN HW (SR 30), SEG 341, EAST LAMPETER (TWP), Lancaster County
  6. Rank 4, LINCOLN HW (SR 30), SEG 340, EAST LAMPETER (TWP), Lancaster County
  7. Rank 5, COLUMBIA AV (SR 462), SEG 190, EAST HEMPFIELD (TWP), Lancaster County
  8. Rank 6, SEVENTH ST (SR 272), SEG 680, AKRON (BORO), Lancaster County
  9. Rank 7, MARKET ST (SR 230), SEG 110, WEST DONEGAL (TWP), Lancaster County
  10. Rank 7, WILLOW STREET PK (SR 272), SEG 460, WEST LAMPETER (TWP), Lancaster County
  11. Rank 7, MAIN STREET (SR 230), SEG 140, MOUNT JOY (TWP), Lancaster County
  12. Rank 7, LITITZ PK (SR 501), SEG 30, MANHEIM (TWP), Lancaster County
  13. Rank 8, LINCOLN HW (SR 30), SEG 460, PARADISE (TWP), Lancaster County
  14. Rank 8, MAIN ST (SR 23), SEG 360, UPPER LEACOCK (TWP), Lancaster County



15. Rank 8, LINCOLN HW (SR 30), SEG 500, PARADISE (TWP), Lancaster County
16. Rank 8, LINCOLN HW (SR 30), SEG 351, EAST LAMPETER (TWP), Lancaster County
17. Rank 8, OLD PHILADELPHIA PK (SR 340), SEG 60, EAST LAMPETER (TWP), Lancaster County
18. Rank 8, W MAIN ST (SR 230), SEG 210, MT JOY (BORO), Lancaster County
19. Rank 8, MARIETTA AV (SR 23), SEG 160, EAST HEMPFIELD (TWP), Lancaster County
20. Rank 8, LITITZ PK (SR 501), SEG 20, MANHEIM (TWP), Lancaster County
21. Rank 8, LINCOLN HW (SR 30), SEG 350, EAST LAMPETER (TWP), Lancaster County
22. Rank 8, LINCOLN HW (SR 30), SEG 420, EAST LAMPETER (TWP), Lancaster County
23. Rank 9, CHESTNUT ST (164A), SEG 30, DUKE ST/SR 2041 to LIME ST/SR 0222, LANCASTER (CITY), Lancaster County
24. Rank 9, COLUMBIA AV (SR 462), SEG 200, EAST HEMPFIELD (TWP), Lancaster County
25. Rank 10, CHESTNUT ST (164A), SEG 40, LIME ST/SR 0222 to PLUM ST, LANCASTER (CITY), Lancaster County
26. Rank 11, CHESTNUT ST (164A), SEG 50, PLUM ST to FRANKLIN ST, LANCASTER (CITY), Lancaster County
27. Rank 11, HIGHLAND AV (SR 222), SEG 560, LANCASTER (CITY), Lancaster County
28. Rank 12, MARKET ST (SR 230), SEG 120, WEST DONEGAL (TWP), Lancaster County
29. Rank 12, OLD PHILADELPHIA PK (SR 340), SEG 10, EAST LAMPETER (TWP), Lancaster County
30. Rank 12, COLUMBIA AV (SR 462), SEG 120, WEST HEMPFIELD (TWP), Lancaster County
31. Rank 13, MARIETTA AV (SR 23), SEG 170, EAST HEMPFIELD (TWP), Lancaster County
32. Rank 13, LINCOLN HW (SR 30), SEG 371, EAST LAMPETER (TWP), Lancaster County
33. Rank 13, LINCOLN HW (SR 30), SEG 380, EAST LAMPETER (TWP), Lancaster County
34. Rank 13, COLUMBIA AV (SR 462), SEG 180, EAST HEMPFIELD (TWP), Lancaster County
35. Rank 13, LITITZ PK (SR 501), SEG 40, MANHEIM (TWP), Lancaster County

36. Rank 13, MARIETTA AV (SR 23), SEG 180, EAST HEMPFIELD (TWP), Lancaster County
37. Rank 13, MAIN ST (SR 462), SEG 130, WEST HEMPFIELD (TWP), Lancaster County
38. Rank 13, LINCOLN HW (SR 30), SEG 370, EAST LAMPETER (TWP), Lancaster County
39. Rank 13, COLUMBIA AV (SR 462), SEG 110, WEST HEMPFIELD (TWP), Lancaster County
40. Rank 13, COLUMBIA AV (SR 462), SEG 170, EAST HEMPFIELD (TWP), Lancaster County

#### **Lebanon County MPO**

1. Rank 1, CUMBERLAND ST (SR 422), SEG 210, WEST LEBANON (TWP), Lebanon County
2. Rank 2, PENN AV (SR 422), SEG 190, CLEONA (BORO), Lebanon County
3. Rank 3, CUMBERLAND ST (SR 422), SEG 244, NORTH LEBANON (TWP), Lebanon County
4. Rank 4, LINCOLN AV (D101), SEG 70, LEHMAN ST to MAPLE ST, LEBANON (CITY), Lebanon County
5. Rank 5, CUMBERLAND ST (SR 422), SEG 200, NORTH LEBANON (TWP), Lebanon County
6. Rank 6, MAIN ST (SR 422), SEG 40, PALMYRA (BORO), Lebanon County
7. Rank 6, HORSESHOE PK (SR 322), SEG 10, SOUTH LONDONDERRY (TWP), Lebanon County
8. Rank 6, CUMBERLAND ST (SR 422), SEG 280, NORTH LEBANON (TWP), Lebanon County
9. Rank 6, MAIN ST (SR 422), SEG 80, NORTH LONDONDERRY (TWP), Lebanon County
10. Rank 6, PENN AV (SR 422), SEG 180, CLEONA (BORO), Lebanon County
11. Rank 6, CUMBERLAND ST (170A), SEG 10, FIFTH AV/SR0897 to LINCOLN AV, LEBANON (CITY), Lebanon County
12. Rank 7, MAIN ST (SR 422), SEG 90, NORTH LONDONDERRY (TWP), Lebanon County
13. Rank 7, MAIN ST (SR 422), SEG 50, NORTH LONDONDERRY (TWP), Lebanon County
14. Rank 7, QUENTIN RD (SR 72), SEG 110, LEBANON (CITY), Lebanon County
15. Rank 7, QUENTIN RD (SR 72), SEG 100, NORTH CORNWALL (TWP), Lebanon County

16. Rank 8, CHESTNUT ST (D114), SEG 70, SIXTEENTH ST to TWELFTH ST, LEBANON (CITY), Lebanon County
17. Rank 9, MAIN ST (SR 422), SEG 20, PALMYRA (BORO), Lebanon County
18. Rank 9, MAIN ST (SR 422), SEG 30, PALMYRA (BORO), Lebanon County
19. Rank 9, RAILROAD ST (SR 4011), SEG 10, PALMYRA (BORO), Lebanon County
20. Rank 10, CUMBERLAND ST (SR 422), SEG 270, NORTH LEBANON (TWP), Lebanon County

#### **Lehigh Valley Transportation Study MPO**

1. Rank 1, HAMILTON ST (SR 222), SEG 220, ALLENTOWN (CITY), Lehigh County
2. Rank 2, EASTON AV (SR 2020), SEG 60, BETHLEHEM (TWP), Northampton County
3. Rank 3, TILGHMAN ST (SR 1002), SEG 60, UPPER MACUNGIE (TWP), Lehigh County
4. Rank 3, TILGHMAN ST (SR 1002), SEG 61, UPPER MACUNGIE (TWP), Lehigh County
5. Rank 4, FOURTH ST (SR 145), SEG 70, ALLENTOWN (CITY), Lehigh County
6. Rank 5, DALY AV (SR 412), SEG 134, BETHLEHEM (CITY), Northampton County
7. Rank 6, HAMILTON BL (SR 6222), SEG 40, UPPER MACUNGIE (TWP), Lehigh County
8. Rank 6, CEDAR CREST BL (SR 1019), SEG 70, SOUTH WHITEHALL (TWP), Lehigh County
9. Rank 7, EASTON AV (SR 2020), SEG 90, BETHLEHEM (TWP), Northampton County
10. Rank 7, HAMILTON BL (SR 6222), SEG 90, LOWER MACUNGIE (TWP), Lehigh County
11. Rank 7, NORTHAMPTON ST (SR 248), SEG 510, WILSON (BORO), Northampton County
12. Rank 8, LEHIGH ST (SR 2005), SEG 80, ALLENTOWN (CITY), Lehigh County
13. Rank 8, RACE ST (SR 1004), SEG 20, WHITEHALL (TWP), Lehigh County
14. Rank 8, BLUE VALLEY DR (SR 512), SEG 400, PLAINFIELD (TWP), Northampton County
15. Rank 8, EMMAUS AV (SR 2002), SEG 60, ALLENTOWN (CITY), Lehigh County
16. Rank 9, LEHIGH AV (SR 512), SEG 310, PLAINFIELD (TWP), Northampton County
17. Rank 9, WILLIAM PENN HW (SR 2020), SEG 160, PALMER (TWP), Northampton County
18. Rank 9, LEHIGH ST (SR 2005), SEG 90, ALLENTOWN (CITY), Lehigh County
19. Rank 9, SCHOENERSVILLE RD (SR 1009), SEG 71, HANOVER (TWP), Lehigh County
20. Rank 9, EASTON AV (SR 2020), SEG 50, BETHLEHEM (CITY), Northampton County
21. Rank 9, SCHOENERSVILLE RD (SR 1009), SEG 70, HANOVER (TWP), Lehigh County
22. Rank 10, FOURTH ST (SR 145), SEG 60, ALLENTOWN (CITY), Lehigh County
23. Rank 11, STEFKO BL (A091), SEG 4, MARKET ST to PEMBROKE RD/SR 3007, BETHLEHEM (CITY), Northampton County
24. Rank 12, LEHIGH ST (SR 2005), SEG 61, ALLENTOWN (CITY), Lehigh County
25. Rank 12, PEMBROKE RD (SR 3007), SEG 60, BETHLEHEM (CITY), Northampton County
26. Rank 13, EMMAUS AV (SR 2002), SEG 30, ALLENTOWN (CITY), Lehigh County
27. Rank 14, HAMILTON BL (SR 6222), SEG 70, LOWER MACUNGIE (TWP), Lehigh County
28. Rank 14, STEFKO BL (A091), SEG 10, PEMBROKE RD/SR 3007 to WASHINGTON AV, BETHLEHEM (CITY), Northampton County
29. Rank 14, TILGHMAN ST (SR 1002), SEG 130, SOUTH WHITEHALL (TWP), Lehigh County
30. Rank 14, TILGHMAN ST (SR 1002), SEG 160, SOUTH WHITEHALL (TWP), Lehigh County
31. Rank 14, FOURTH ST (SR 145), SEG 50, SALISBURY (TWP), Lehigh County
32. Rank 14, LEHIGH ST (SR 2005), SEG 60, ALLENTOWN (CITY), Lehigh County
33. Rank 15, BROADWAY (SR 2002), SEG 130, SALISBURY (TWP), Lehigh County
34. Rank 15, LEHIGH ST (SR 2005), SEG 51, SALISBURY (TWP), Lehigh County
35. Rank 15, TWENTYFOURTH ST (SR 2007), SEG 40, ALLENTOWN (CITY), Lehigh County
36. Rank 15, LEHIGH ST (SR 2005), SEG 50, SALISBURY (TWP), Lehigh County
37. Rank 15, RACE ST (SR 1004), SEG 71, HANOVER (TWP), Lehigh County
38. Rank 15, SR 0309 SH (SR 309), SEG 360, NORTH WHITEHALL (TWP), Lehigh County
39. Rank 15, LEHIGH ST (SR 2005), SEG 100, ALLENTOWN (CITY), Lehigh County
40. Rank 15, MAIN ST (SR 329), SEG 90, WHITEHALL (TWP), Lehigh County

### North Central PA Regional Planning and Development Commission RPO

1. Rank 1, DUBOIS AV (SR 219), SEG 892, DUBOIS (CITY), Clearfield County
2. Rank 2, MAHONING ST (SR 36), SEG 240, PUNXSUTAWNEY (BORO), Jefferson County
3. Rank 3, DUBOIS AV (SR 219), SEG 880, DUBOIS (CITY), Clearfield County
4. Rank 4, RIDGE AV (SR 119), SEG 130, PUNXSUTAWNEY (BORO), Jefferson County
5. Rank 5, DUBOIS ST (B002), SEG 40, R/R CROSSING/SR4019 to DUBOIS AV/SR0219, DUBOIS (CITY), Clearfield County
6. Rank 6, BOLIVAR DR (SR 346), SEG 370, FOSTER (TWP), McKean County
7. Rank 6, STATE ST (SR 120), SEG 220, ST MARYS (CITY), Elk County
8. Rank 6, BRUSSELLES ST (SR 120), SEG 290, ST MARYS (CITY), Elk County
9. Rank 6, MAIN ST (SR 4005), SEG 120, BRADFORD (CITY), McKean County
10. Rank 6, WOODLAND RD (SR 322), SEG 480, LAWRENCE (TWP), Clearfield County
11. Rank 7, CLEARFIELD BP (SR 879), SEG 290, CLEARFIELD (BORO), Clearfield County
12. Rank 7, SR 0053 SH (SR 53), SEG 550, DECATUR (TWP), Clearfield County
13. Rank 7, WOODLAND RD (SR 322), SEG 490, BRADFORD (TWP), Clearfield County
14. Rank 7, CLEARFIELD BP (SR 879), SEG 270, CLEARFIELD (BORO), Clearfield County
15. Rank 7, WOODLAND RD (SR 322), SEG 520, BRADFORD (TWP), Clearfield County
16. Rank 7, BUFFALO PITTSBURGH HW (SR 219), SEG 902, SANDY (TWP), Clearfield County
17. Rank 7, ELM ST (M101), SEG 20, CONGRESS ST to SR4015/BRIDGE, BRADFORD (CITY), McKean County
18. Rank 7, ELM ST (M101), SEG 10, SOUTH AV/SR-4007 to CONGRESS ST, BRADFORD (CITY), McKean County
19. Rank 7, BUFFALO PITTSBURGH HW (SR 119), SEG 40, YOUNG (TWP), Jefferson County
20. Rank 7, SR 0053 SH (SR 53), SEG 530, DECATUR (TWP), Clearfield County

### Northeastern Pennsylvania Alliance MPO

1. Rank 1, PARK AV (SR 611), SEG 110, STROUDSBURG (BORO), Monroe County
2. Rank 2, POCONO BL (SR 611), SEG 400, MT POCONO (BORO), Monroe County
3. Rank 3, MARKET ST (SR 443), SEG 470, ORWIGSBURG (BORO), Schuylkill County
4. Rank 3, SR 0611 SH (SR 611), SEG 240, POCONO (TWP), Monroe County

5. Rank 4, SR 0611 SH (SR 611), SEG 460, COOLBAUGH (TWP), Monroe County
6. Rank 4, MARKET ST (SR 1001), SEG 10, PORT CARBON (BORO), Schuylkill County
7. Rank 4, MARKET ST (SR 209), SEG 480, POTTSVILLE (CITY), Schuylkill County
8. Rank 4, SR 0611 SH (SR 611), SEG 260, POCONO (TWP), Monroe County
9. Rank 5, SUNBURY ST (SR 901), SEG 262, MINERSVILLE (BORO), Schuylkill County
10. Rank 5, SR 0611 SH (SR 611), SEG 470, COOLBAUGH (TWP), Monroe County
11. Rank 5, SR 0611 SH (SR 611), SEG 450, COOLBAUGH (TWP), Monroe County
12. Rank 5, NORTH NINTH ST (SR 611), SEG 171, STROUD (TWP), Monroe County
13. Rank 5, NORTH NINTH ST (SR 611), SEG 190, STROUD (TWP), Monroe County
14. Rank 5, CATAWISSA ST (SR 209), SEG 150, NESQUEHONING (BORO), Carbon County
15. Rank 5, SR 0611 SH (SR 611), SEG 270, POCONO (TWP), Monroe County
16. Rank 5, LEHIGH AV (SR 61), SEG 500, FRACKVILLE (BORO), Schuylkill County
17. Rank 5, SR 0611 SH (SR 611), SEG 430, MT POCONO (BORO), Monroe County
18. Rank 5, SR 0611 SH (SR 611), SEG 220, HAMILTON (TWP), Monroe County
19. Rank 5, SR 0611 SH (SR 611), SEG 300, POCONO (TWP), Monroe County
20. Rank 5, SR 0611 SH (SR 611), SEG 290, POCONO (TWP), Monroe County
21. Rank 5, CATAWISSA ST (SR 209), SEG 122, NESQUEHONING (BORO), Carbon County
22. Rank 5, NORTH NINTH ST (SR 611), SEG 180, STROUD (TWP), Monroe County
23. Rank 5, NORTH NINTH ST (SR 611), SEG 170, STROUD (TWP), Monroe County
24. Rank 5, SR 0611 SH (SR 611), SEG 484, COOLBAUGH (TWP), Monroe County
25. Rank 5, SOUTH COAL ST (SR 209), SEG 590, PORT CARBON (BORO), Schuylkill County
26. Rank 5, HANCOCK ST (SR 1006), SEG 80, SAINT CLAIR (BORO), Schuylkill County
27. Rank 5, BROAD ST (SR 61), SEG 620, BUTLER (TWP), Schuylkill County
28. Rank 5, SR 0611 SH (SR 611), SEG 480, COOLBAUGH (TWP), Monroe County
29. Rank 6, MAIN ST (SR 611), SEG 120, STROUDSBURG (BORO), Monroe County
30. Rank 7, WEST MAIN ST (SR 2012), SEG 210, STROUDSBURG (BORO), Monroe County
31. Rank 8, DELAWARE AV (SR 2002), SEG 30, PALMERTON (BORO), Carbon County
32. Rank 9, CENTER ST (SR 309), SEG 260, TAMAQUA (BORO), Schuylkill County



33. Rank 10, CENTRE ST (SR 54), SEG 14, ASHLAND (BORO), Schuylkill County
34. Rank 10, MARKET ST (SR 209), SEG 518, POTTSVILLE (CITY), Schuylkill County
35. Rank 11, STERLING RD (SR 196), SEG 20, COOLBAUGH (TWP), Monroe County
36. Rank 11, SR 0054 SH (SR 54), SEG 300, MAHANOEY (TWP), Schuylkill County
37. Rank 11, STERLING RD (SR 196), SEG 30, COOLBAUGH (TWP), Monroe County
38. Rank 11, MARKET ST (SR 209), SEG 510, POTTSVILLE (CITY), Schuylkill County
39. Rank 11, MARKET ST (SR 209), SEG 500, POTTSVILLE (CITY), Schuylkill County
40. Rank 11, BLAKESLEE BLVD DR (SR 443), SEG 120, MAHONING (TWP), Carbon County

#### **Northern Tier Regional Planning and Development Commission RPO**

1. Rank 1, ELMIRA ST (SR 1069), SEG 40, ATHENS (TWP), Bradford County
2. Rank 2, ELMIRA ST (SR 1069), SEG 50, ATHENS (TWP), Bradford County
3. Rank 2, ELMIRA ST (SR 1069), SEG 30, ATHENS (TWP), Bradford County
4. Rank 3, MAIN ST (SR 171), SEG 20, FOREST CITY (BORO), Susquehanna County
5. Rank 4, ELMIRA ST (SR 1069), SEG 60, SOUTH WAVERLY (BORO), Bradford County
6. Rank 5, MAIN ST (SR 199), SEG 60, ATHENS (BORO), Bradford County
7. Rank 5, WILAWANA RD (SR 4022), SEG 120, ATHENS (TWP), Bradford County
8. Rank 5, MAIN ST (SR 199), SEG 80, ATHENS (BORO), Bradford County
9. Rank 6, SR 0220 SH (SR 220), SEG 720, ATHENS (TWP), Bradford County
10. Rank 6, KEYSTONE AV (SR 199), SEG 90, SAYRE (BORO), Bradford County
11. Rank 6, PINE ST (SR 1064), SEG 20, ATHENS (BORO), Bradford County
12. Rank 6, MAIN ST (SR 199), SEG 70, ATHENS (BORO), Bradford County
13. Rank 6, FRONT ST (SR 1056), SEG 30, ATHENS (TWP), Bradford County
14. Rank 6, SUSQUEHANNA ST (SR 1056), SEG 20, ATHENS (TWP), Bradford County
15. Rank 6, CHRISTY MATHEWSON HW (SR 6), SEG 581, CLINTON (TWP), Wyoming County
16. Rank 6, YANUZZI DR (SR 1072), SEG 10, SOUTH WAVERLY (BORO), Bradford County
17. Rank 6, SR 0006 SH (SR 6), SEG 570, FACTORYVILLE (BORO), Wyoming County
18. Rank 6, LACKAWANNA TR (SR 11), SEG 540, GREAT BEND (TWP), Susquehanna County

19. Rank 6, SR 0006 SH (SR 6), SEG 560, CLINTON (TWP), Wyoming County
20. Rank 6, CHRISTY MATHEWSON HW (SR 6), SEG 580, FACTORYVILLE (BORO), Wyoming County

#### **Northwest RPO**

1. Rank 1, GRAND ARMY OF THE REP HW (SR 6), SEG 481, VERNON (TWP), Crawford County
2. Rank 1, GRAND ARMY OF THE REP HW (SR 6), SEG 480, VERNON (TWP), Crawford County
3. Rank 2, SPRING ST (SR 2034), SEG 110, MEADVILLE (CITY), Crawford County
4. Rank 3, SALINA RD (SR 257), SEG 40, CRANBERRY (TWP), Venango County
5. Rank 3, MAIN ST (SR 322), SEG 330, CLARION (BORO), Clarion County
6. Rank 3, GRAND ARMY OF THE REP HW (SR 6), SEG 445, VERNON (TWP), Crawford County
7. Rank 3, GRAND ARMY OF THE REP HW (SR 6), SEG 440, VERNON (TWP), Crawford County
8. Rank 3, WATER ST (SR 6), SEG 330, CONNEAUT LAKE (BORO), Crawford County
9. Rank 3, GRAND ARMY OF THE REP HW (SR 6), SEG 430, VERNON (TWP), Crawford County
10. Rank 3, SALINA RD (SR 257), SEG 50, CRANBERRY (TWP), Venango County
11. Rank 4, PARK AV (SR 1001), SEG 20, MEADVILLE (CITY), Crawford County
12. Rank 5, FIFTH AV (SR 68), SEG 610, CLARION (BORO), Clarion County
13. Rank 6, LIBERTY ST (SR 62), SEG 290, FRANKLIN (CITY), Venango County
14. Rank 6, MAIN ST (SR 886), SEG 10, MEADVILLE (CITY), Crawford County
15. Rank 7, SR 0068 SH (SR 68), SEG 590, CLARION (TWP), Clarion County
16. Rank 8, STATE ST (SR 322), SEG 360, CONNEAUT LAKE (BORO), Crawford County
17. Rank 8, TWENTYEIGHTH DIVISION HW (SR 322), SEG 310, CRANBERRY (TWP), Venango County
18. Rank 8, PETROLEUM ST (SR 62), SEG 470, OIL CITY (CITY), Venango County
19. Rank 8, MAIN ST (SR 886), SEG 20, MEADVILLE (CITY), Crawford County
20. Rank 9, DIAMOND PARK SQ (M109), SEG 30, CHESTNUT ST to WALNUT ST, MEADVILLE (CITY), Crawford County

#### **Reading Area Transportation Study MPO**

1. Rank 1, SOUTH FOURTH ST (SR 4035), SEG 20, HAMBURG (BORO), Berks County

2. Rank 2, FIFTH ST (SR 2005), SEG 120, MUHLENBERG (TWP), Berks County
3. Rank 3, SCHUYLKILL AV (SR 183), SEG 40, READING (CITY), Berks County
4. Rank 4, PERKIOMEN AV (SR 2021), SEG 50, ST LAWRENCE (BORO), Berks County
5. Rank 4, LANCASTER AV (SR 724), SEG 72, SHILLINGTON (BORO), Berks County
6. Rank 4, SHILLINGTON RD (SR 724), SEG 12, SINKING SPRING (BORO), Berks County
7. Rank 4, PENN AV (SR 422), SEG 310, SPRING (TWP), Berks County
8. Rank 4, ALLENTOWN PK (SR 2005), SEG 140, MUHLENBERG (TWP), Berks County
9. Rank 4, FIFTH ST (SR 2005), SEG 110, MUHLENBERG (TWP), Berks County
10. Rank 4, FIFTH ST (SR 2005), SEG 90, MUHLENBERG (TWP), Berks County
11. Rank 5, REVERE BL (SR 724), SEG 42, SPRING (TWP), Berks County
12. Rank 5, FIFTH ST (SR 2005), SEG 91, MUHLENBERG (TWP), Berks County
13. Rank 5, PENN AV (SR 422), SEG 200, SOUTH HEIDELBERG (TWP), Berks County
14. Rank 6, WASHINGTON ST (SR 2010), SEG 21, READING (CITY), Berks County
15. Rank 7, WASHINGTON ST (SR 2010), SEG 11, READING (CITY), Berks County
16. Rank 8, BENJAMIN FRANKLIN HW (SR 422), SEG 500, EXETER (TWP), Berks County
17. Rank 9, BENJAMIN FRANKLIN HW (SR 422), SEG 501, EXETER (TWP), Berks County
18. Rank 9, FIFTH ST (SR 2005), SEG 100, MUHLENBERG (TWP), Berks County
19. Rank 9, PENN AV (SR 422), SEG 140, HEIDELBERG (TWP), Berks County
20. Rank 10, PHILADELPHIA AV (SR 724), SEG 92, CUMRU (TWP), Berks County
21. Rank 10, POTTSVILLE PK (SR 61), SEG 171, ONTELAUNEE (TWP), Berks County
22. Rank 11, POTTSVILLE PK (SR 61), SEG 100, MUHLENBERG (TWP), Berks County
23. Rank 11, BROADCASTING RD (003J), SEG 20, SR 3021 to SR 8052/RAMP, SPRING (TWP), Berks County
24. Rank 11, BERNVILLE RD (SR 183), SEG 110, BERN (TWP), Berks County
25. Rank 11, POTTSVILLE PK (SR 61), SEG 120, MUHLENBERG (TWP), Berks County
26. Rank 11, EAST MAIN ST (SR 345), SEG 120, BIRDSBORO (BORO), Berks County
27. Rank 11, RICHMOND ST (SR 662), SEG 280, FLEETWOOD (BORO), Berks County
28. Rank 11, SOUTH FOURTH ST (SR 4035), SEG 16, HAMBURG (BORO), Berks County
29. Rank 11, PENN AV (SR 422), SEG 300, SPRING (TWP), Berks County

30. Rank 11, SHILLINGTON RD (SR 724), SEG 32, SPRING (TWP), Berks County
31. Rank 11, CABELA DR (008Z), SEG 70, MOUNTAIN RD/T810 to SR-0061, TILDEN (TWP), Berks County
32. Rank 11, PENN AV (SR 422), SEG 260, SOUTH HEIDELBERG (TWP), Berks County
33. Rank 11, PENN AV (SR 422), SEG 230, SOUTH HEIDELBERG (TWP), Berks County
34. Rank 11, BERNVILLE RD (SR 183), SEG 70, BERN (TWP), Berks County
35. Rank 11, BERNVILLE RD (SR 183), SEG 74, BERN (TWP), Berks County
36. Rank 11, PENN AV (SR 422), SEG 170, HEIDELBERG (TWP), Berks County
37. Rank 11, POTTSVILLE PK (SR 61), SEG 90, MUHLENBERG (TWP), Berks County
38. Rank 11, ALLENTOWN PK (SR 2005), SEG 130, MUHLENBERG (TWP), Berks County
39. Rank 11, POTTSVILLE PK (SR 61), SEG 161, ONTELAUNEE (TWP), Berks County
40. Rank 12, PERKIOMEN AV (SR 2054), SEG 20, READING (CITY), Berks County

#### **SEDA-Council of Governments MPO**

1. Rank 1, WATER ST (SR 11), SEG 30, NORTHUMBERLAND (BORO), Northumberland County
2. Rank 1, MARKET ST (SR 2017), SEG 40, SELINGSGROVE (BORO), Snyder County
3. Rank 1, POINT TWP RD (SR 11), SEG 70, POINT (TWP), Northumberland County
4. Rank 1, CHARLES ATTIG MEM HW (SR 11), SEG 360, MONROE (TWP), Snyder County
5. Rank 1, POINT TWP RD (SR 11), SEG 90, POINT (TWP), Northumberland County
6. Rank 2, WALNUT ST (SR 11), SEG 80, DANVILLE (BORO), Montour County
7. Rank 3, BELLEFONTE AV (SR 150), SEG 210, LOCK HAVEN (CITY), Clinton County
8. Rank 3, HOGAN BLVD (SR 150), SEG 170, ALLISON (TWP), Clinton County
9. Rank 3, CHARLES ATTIG MEM HW (SR 11), SEG 380, SHAMOKIN DAM (BORO), Snyder County
10. Rank 4, NORTHUMBERLAND ST (SR 11), SEG 60, DANVILLE (BORO), Montour County
11. Rank 4, MAIN ST (SR 45), SEG 40, WEST CHILLISQUAQUE (TWP), Northumberland County
12. Rank 4, COLUMBIA BLVD (SR 11), SEG 200, SCOTT (TWP), Columbia County
13. Rank 4, MONTOUR BL (SR 11), SEG 140, COOPER (TWP), Montour County
14. Rank 4, SR 0054 SH (SR 54), SEG 532, MT CARMEL (TWP), Northumberland County

15. Rank 4, MONTOUR BL (SR 11), SEG 30, MONTOUR (TWP), Columbia County
16. Rank 4, MARINE CORPS LEAG MEM HW (SR 15), SEG 110, EAST BUFFALO (TWP), Union County
17. Rank 4, CHARLES ATTIG MEM HW (SR 11), SEG 371, MONROE (TWP), Snyder County
18. Rank 4, BEAR VALLEY AV (SR 125), SEG 230, SHAMOKIN (CITY), Northumberland County
19. Rank 4, CENTRAL AV (SR 1016), SEG 60, PINE CREEK (TWP), Clinton County
20. Rank 4, CHARLES ATTIG MEM HW (SR 11), SEG 390, SHAMOKIN DAM (BORO), Snyder County
21. Rank 4, SR 0054 SH (SR 54), SEG 542, MT CARMEL (TWP), Northumberland County
22. Rank 4, CHARLES ATTIG MEM HW (SR 11), SEG 370, MONROE (TWP), Snyder County
23. Rank 4, PAUL MACK BL (SR 120), SEG 1070, CASTANEA (TWP), Clinton County
24. Rank 5, MALL BLVD (SR 42), SEG 460, MONTOUR (TWP), Columbia County
25. Rank 5, BROADWAY RD (SR 254), SEG 60, TURBOT (TWP), Northumberland County
26. Rank 5, MARINE CORPS LEAG MEM HW (SR 15), SEG 231, KELLY (TWP), Union County
27. Rank 5, SR 0061 SH (SR 61), SEG 140, SHAMOKIN (CITY), Northumberland County
28. Rank 5, WILLIAM PENN HW (SR 22), SEG 370, OLIVER (TWP), Mifflin County
29. Rank 5, TR 0022 BUSINESS (SR 3002), SEG 40, LEWISTOWN (BORO), Mifflin County
30. Rank 5, GRANGER HOLLOW RD (SR 15), SEG 20, MONROE (TWP), Snyder County
31. Rank 5, MERCERON ST (SR 487), SEG 230, CATAWISSA (TWP), Columbia County
32. Rank 5, MALL BLVD (SR 42), SEG 501, HEMLOCK (TWP), Columbia County
33. Rank 5, WEST FREEDOM AV (SR 4013), SEG 210, DERRY (TWP), Mifflin County
34. Rank 5, EAGLE VALLEY RD (SR 150), SEG 140, BALD EAGLE (TWP), Clinton County
35. Rank 5, MARINE CORPS LEAG MEM HW (SR 15), SEG 211, KELLY (TWP), Union County
36. Rank 5, WALNUT ST (SR 11), SEG 100, MAHONING (TWP), Montour County
37. Rank 5, FRONT ST (SR 11), SEG 350, BRIAR CREEK (BORO), Columbia County
38. Rank 5, CENTRAL AV (SR 1016), SEG 70, PORTER (TWP), Clinton County

39. Rank 5, N OLD TRAIL RD (SR 1023), SEG 60, MONROE (TWP), Snyder County
40. Rank 5, TEA CREEK RD (SR 1005), SEG 160, BROWN (TWP), Mifflin County

#### **Shenango Valley Area Transportation Study MPO**

1. Rank 1, HIGHLAND RD (SR 3014), SEG 40, HERMITAGE (CITY), Mercer County
2. Rank 2, HERMITAGE RD (SR 18), SEG 271, HERMITAGE (CITY), Mercer County
3. Rank 2, HIGHLAND RD (SR 3014), SEG 20, HERMITAGE (CITY), Mercer County
4. Rank 3, STATE ST (SR 3008), SEG 70, HERMITAGE (CITY), Mercer County
5. Rank 3, DIVISION ST (R041), SEG 10, INDIANA AV/SR 3017 to STAMBAUGH AV, SHARON (CITY), Mercer County
6. Rank 4, MAIN ST (SR 18), SEG 530, GREENVILLE (BORO), Mercer County
7. Rank 4, STAMBAUGH AV (R041), SEG 20, DIVISION ST to BUDD ST, SHARON (CITY), Mercer County
8. Rank 4, RIDGE AV (SR 518), SEG 120, SHARPSVILLE (BORO), Mercer County
9. Rank 4, CONNELLY BL (SR 62), SEG 60, SHARON (CITY), Mercer County
10. Rank 5, SHARPSVILLE AV (R020), SEG 10, CONNELLY BL/SR0062 to STATE ST/SR3008, SHARON (CITY), Mercer County
11. Rank 6, MAIN ST EX (SR 58), SEG 800, PINE (TWP), Mercer County
12. Rank 6, HERMITAGE RD (SR 18), SEG 240, HERMITAGE (CITY), Mercer County
13. Rank 6, HERMITAGE RD (SR 18), SEG 241, HERMITAGE (CITY), Mercer County
14. Rank 6, HERMITAGE RD (SR 18), SEG 200, HERMITAGE (CITY), Mercer County
15. Rank 6, HERMITAGE RD (SR 18), SEG 210, HERMITAGE (CITY), Mercer County
16. Rank 6, WALNUT ST (SR 518), SEG 140, SHARPSVILLE (BORO), Mercer County
17. Rank 6, HADLEY RD (SR 358), SEG 180, HEMPFIELD (TWP), Mercer County
18. Rank 6, SHARPSVILLE AV (SR 518), SEG 70, SHARON (CITY), Mercer County
19. Rank 6, STATE ST (SR 3008), SEG 30, SHARON (CITY), Mercer County
20. Rank 6, STAMBAUGH AV (R041), SEG 30, BUDD ST to SR 0062, SHARON (CITY), Mercer County

#### **Southern Alleghenies Planning and Development Commission RPO**

1. Rank 1, WILLIAM PENN HW (SR 22), SEG 260, SMITHFIELD (TWP), Huntingdon County
2. Rank 1, WILLIAM PENN HW (SR 22), SEG 270, SMITHFIELD (TWP), Huntingdon County
3. Rank 2, PLEASANT AV (SR 4055), SEG 10, SOMERSET (TWP), Somerset County



4. Rank 2, WILLIAM PENN HW (SR 22), SEG 280, SMITHFIELD (TWP), Huntingdon County
5. Rank 2, RIDGE RD (SR 26), SEG 350, SMITHFIELD (TWP), Huntingdon County
6. Rank 2, WILLIAM PENN HW (SR 22), SEG 210, SMITHFIELD (TWP), Huntingdon County
7. Rank 2, WILLIAM PENN HW (SR 22), SEG 240, SMITHFIELD (TWP), Huntingdon County
8. Rank 2, WILLIAM PENN HW (SR 22), SEG 250, SMITHFIELD (TWP), Huntingdon County
9. Rank 2, MOORE ST (W003), SEG 30, SEVENTH ST to SR1009/BRIDGE, HUNTINGDON (BORO), Huntingdon County
10. Rank 2, MOORE ST (W003), SEG 40, SR1009/BRIDGE to SR1009/BRIDGE, HUNTINGDON (BORO), Huntingdon County
11. Rank 2, MOORE ST (W003), SEG 50, SR1009/BRIDGE to SR1009/BRIDGE, HUNTINGDON (BORO), Huntingdon County
12. Rank 2, MOORE ST (W003), SEG 60, SR1009/BRIDGE to COLD SPRINGS RD, HUNTINGDON (BORO), Huntingdon County
13. Rank 2, COLD SPRINGS RD (W003), SEG 70, MOORE ST to WARM SPRINGS AV, HUNTINGDON (BORO), Huntingdon County
14. Rank 2, GLADES PK (SR 31), SEG 180, SOMERSET (TWP), Somerset County
15. Rank 2, GRAHAM AV (SR 160), SEG 910, WINDBER (BORO), Somerset County
16. Rank 2, MAIN ST (SR 31), SEG 190, SOMERSET (TWP), Somerset County
17. Rank 2, WILLIAM PENN HW (SR 22), SEG 290, HENDERSON (TWP), Huntingdon County
18. Rank 2, SR 0056 SH (SR 56), SEG 70, PAINT (TWP), Somerset County
19. Rank 2, SR 0056 SH (SR 56), SEG 74, PAINT (TWP), Somerset County
20. Rank 2, SR 0056 SH (SR 56), SEG 80, PAINT (TWP), Somerset County

#### **Southwestern Pennsylvania Commission MPO**

1. Rank 1, FIFTH AV (H096), SEG 20, LIBERTY AV to GRANT ST, PITTSBURGH (CITY), Allegheny County
2. Rank 2, FIFTH AV (H096), SEG 30, GRANT ST to SIXTH AV, PITTSBURGH (CITY), Allegheny County
3. Rank 3, MAIN ST (SR 88), SEG 610, MONONGAHELA (CITY), Washington County
4. Rank 4, HARRISON AV (SR 130), SEG 222, JEANNETTE (CITY), Westmoreland County

5. Rank 5, OHIO RIVER BL (SR 65), SEG 60, BELLEVUE (BORO), Allegheny County
6. Rank 6, FIFTH AV (H515), SEG 30, MANSFIELD BRIDGE to REBECCA ST/SR2021, MCKEESPORT (CITY), Allegheny County
7. Rank 7, HANSEN AV (SR 3001), SEG 20, BUTLER (CITY), Butler County
8. Rank 7, CRAWFORD AV (SR 201), SEG 10, CONNELLSVILLE (CITY), Fayette County
9. Rank 7, DUSS AV (SR 2001), SEG 50, BADEN (BORO), Beaver County
10. Rank 7, REBECCA ST (SR 2021), SEG 110, MCKEESPORT (CITY), Allegheny County
11. Rank 7, BENJAMIN FRANKLIN HW (SR 422), SEG 120, MAHONING (TWP), Lawrence County
12. Rank 8, BEAU ST (SR 136), SEG 30, EAST WASHINGTON (BORO), Washington County
13. Rank 9, MEMORIAL BL (SR 119), SEG 650, CONNELLSVILLE (CITY), Fayette County
14. Rank 9, STEVENSON BL (SR 366), SEG 42, NEW KENSINGTON (CITY), Allegheny County
15. Rank 10, MEMORIAL BL (SR 119), SEG 651, CONNELLSVILLE (CITY), Fayette County
16. Rank 10, LINCOLN HW (SR 30), SEG 210, FOREST HILLS (BORO), Allegheny County
17. Rank 10, MAIN ST (SR 68), SEG 440, BUTLER (CITY), Butler County
18. Rank 10, LINCOLN HW (SR 30), SEG 201, FOREST HILLS (BORO), Allegheny County
19. Rank 11, FOURTH ST (SR 4005), SEG 130, INDIANA (BORO), Indiana County
20. Rank 11, WEST PIKE ST (SR 1009), SEG 120, HOUSTON (BORO), Washington County
21. Rank 11, DUSS AV (SR 2001), SEG 21, HARMONY (TWP), Beaver County
22. Rank 11, WASHINGTON ST (H168), SEG 20, JEFFERSON ST/SR0018 to SR 3010/BRIDGE, NEW CASTLE (CITY), Lawrence County
23. Rank 11, THIRD ST (SR 119), SEG 190, YOUNGWOOD (BORO), Westmoreland County
24. Rank 11, FIFTH AV (SR 148), SEG 160, NORTH VERSAILLES (TWP), Allegheny County
25. Rank 11, LINCOLN HW (SR 30), SEG 210, HEMPFIELD (TWP), Westmoreland County
26. Rank 11, LINCOLN HW (SR 30), SEG 200, HEMPFIELD (TWP), Westmoreland County
27. Rank 11, OHIO RIVER BL (SR 65), SEG 261, LEETSDALE (BORO), Allegheny County

28. Rank 11, WEST PIKE ST (SR 1009), SEG 160, CANONSBURG (BORO), Washington County
29. Rank 11, COLLEGE ST (SR 19), SEG 321, WASHINGTON (CITY), Washington County
30. Rank 11, LEECHBURG RD (SR 56), SEG 220, ALLEGHENY (TWP), Westmoreland County
31. Rank 11, LEWIS AV (SR 4006), SEG 10, JEANNETTE (CITY), Westmoreland County
32. Rank 11, MAIN ST (SR 119), SEG 300, GREENSBURG (CITY), Westmoreland County
33. Rank 11, MAIN ST (SR 40), SEG 260, SOUTH UNION (TWP), Fayette County
34. Rank 11, BROADWAY AV (SR 819), SEG 30, SCOTTDAL (BORO), Westmoreland County
35. Rank 12, DEPOT ST (SR 981), SEG 651, LATROBE (BORO), Westmoreland County
36. Rank 12, WASHINGTON RD (SR 19), SEG 360, SOUTH STRABANE (TWP), Washington County
37. Rank 12, BENJAMIN FRANKLIN HW (SR 422), SEG 161, UNION (TWP), Lawrence County
38. Rank 12, WAYNE AV (SR 4005), SEG 30, WHITE (TWP), Indiana County
39. Rank 12, PIKE ST (SR 1009), SEG 110, CHARTIERS (TWP), Washington County
40. Rank 12, WAYNE AV (SR 4005), SEG 31, WHITE (TWP), Indiana County
41. Rank 12, LEECHBURG RD (SR 4042), SEG 10, NEW KENSINGTON (CITY), Westmoreland County
42. Rank 12, MAIN ST (SR 837), SEG 220, MONONGAHELA (CITY), Washington County
43. Rank 12, BENJAMIN FRANKLIN HW (SR 422), SEG 160, UNION (TWP), Lawrence County
44. Rank 12, OHIO RIVER BL (SR 51), SEG 201, EAST ROCHESTER (BORO), Beaver County
45. Rank 12, CONNELLSVILLE ST (SR 2027), SEG 30, UNIONTOWN (CITY), Fayette County
46. Rank 12, WEST PIKE ST (SR 1009), SEG 140, CANONSBURG (BORO), Washington County
47. Rank 12, LINCOLN HW (SR 30), SEG 290, NORTH VERSAILLES (TWP), Allegheny County
48. Rank 12, UNION ST (SR 88), SEG 650, NEW EAGLE (BORO), Washington County
49. Rank 12, OHIO RIVER BL (SR 65), SEG 220, EDGEWORTH (BORO), Allegheny County
50. Rank 12, MAIN ST (SR 837), SEG 200, MONONGAHELA (CITY), Washington County
51. Rank 12, BUTLER AV (SR 2004), SEG 50, SHENANGO (TWP), Lawrence County
52. Rank 12, DONNER AV (SR 906), SEG 81, MONESSEN (CITY), Westmoreland County
53. Rank 12, PIKE ST (SR 1009), SEG 80, CHARTIERS (TWP), Washington County
54. Rank 12, WILMINGTON RD (SR 18), SEG 460, NESHANNOCK (TWP), Lawrence County
55. Rank 12, RIDGE RD (SR 88), SEG 590, MONONGAHELA (CITY), Washington County
56. Rank 12, FOURTH ST (SR 119), SEG 201, YOUNGWOOD (BORO), Westmoreland County
57. Rank 12, TRAFFORD RD (SR 4033), SEG 76, MURRYSVILLE (BORO), Westmoreland County
58. Rank 12, NEW CASTLE RD (SR 68), SEG 420, BUTLER (TWP), Butler County
59. Rank 12, VALLEY BROOK RD (SR 1010), SEG 150, PETERS (TWP), Washington County
60. Rank 12, FRANKLIN AV (SR 3016), SEG 260, ALIQUIPPA (CITY), Beaver County
61. Rank 12, FREEPORT RD (SR 66), SEG 350, WASHINGTON (TWP), Westmoreland County
62. Rank 12, STATE ST (SR 2001), SEG 60, BADEN (BORO), Beaver County
63. Rank 12, WALNUT HILL RD (SR 3009), SEG 311, SOUTH UNION (TWP), Fayette County
64. Rank 12, SCHOONMAKER AV (SR 906), SEG 80, MONESSEN (CITY), Westmoreland County
65. Rank 12, PENNSYLVANIA AV (SR 88), SEG 550, FALLOWFIELD (TWP), Washington County
66. Rank 12, WASHINGTON AV (SR 88), SEG 760, UNION (TWP), Washington County
67. Rank 12, HYDE PARK RD (SR 4048), SEG 110, ALLEGHENY (TWP), Westmoreland County
68. Rank 12, WILMINGTON RD (SR 18), SEG 470, NESHANNOCK (TWP), Lawrence County
69. Rank 13, FIFTH AV (H004), SEG 20, BIGELOW BL to MCKEE PL, PITTSBURGH (CITY), Allegheny County
70. Rank 14, LYSLE BL (SR 148), SEG 70, MCKEESPORT (CITY), Allegheny County
71. Rank 15, SEVENTH ST (H007), SEG 10, LIBERTY AV to FORT DUQUESNE BL, PITTSBURGH (CITY), Allegheny County
72. Rank 16, GRANT ST (H001), SEG 20, SR2208/BL OF ALLIES to SEVENTH AV, PITTSBURGH (CITY), Allegheny County

73. Rank 17, BROOKLINE BL (H198), SEG 40, W LIBERTY AV/SR3069 to EDGEBROOK AV, PITTSBURGH (CITY), Allegheny County
74. Rank 18, FORBES AV (SR 2108), SEG 80, PITTSBURGH (CITY), Allegheny County
75. Rank 19, LIBERTY AV (H006), SEG 72, SIXTEENTH ST to THIRTYFIRST ST, PITTSBURGH (CITY), Allegheny County
76. Rank 20, LIBERTY AV (H006), SEG 40, SIXTH ST to SEVENTH ST, PITTSBURGH (CITY), Allegheny County
77. Rank 20, LIBERTY AV (H006), SEG 50, SEVENTH ST to NINTH ST, PITTSBURGH (CITY), Allegheny County
78. Rank 21, NINTH ST (H009), SEG 10, LIBERTY AV to NINTH ST BRIDGE, PITTSBURGH (CITY), Allegheny County
79. Rank 22, MOREWOOD AV (H101), SEG 10, FORBES AV/SR2108 to FIFTH AV, PITTSBURGH (CITY), Allegheny County
80. Rank 23, EIGHTH AV (SR 837), SEG 380, HOMESTEAD (BORO), Allegheny County
81. Rank 24, SEVENTH AV (H900), SEG 20, SMITHFIELD ST to WILLIAM PENN PL, PITTSBURGH (CITY), Allegheny County
82. Rank 25, LYSLE BL (SR 148), SEG 80, MCKEESPORT (CITY), Allegheny County
83. Rank 25, CALIFORNIA AV (H181), SEG 50, BANTON ST to TERMON AV, PITTSBURGH (CITY), Allegheny County
84. Rank 26, MAIDEN ST (SR 40), SEG 370, WASHINGTON (CITY), Washington County
85. Rank 26, FAYETTE ST (SR 2040), SEG 30, UNIONTOWN (CITY), Fayette County
86. Rank 27, EAST WASHINGTON ST (SR 65), SEG 330, NEW CASTLE (CITY), Lawrence County
87. Rank 28, WOOD ST (H707), SEG 10, LIBERTY AV to FORT PITT BL, PITTSBURGH (CITY), Allegheny County
88. Rank 29, PENN AV (SR 400), SEG 90, PITTSBURGH (CITY), Allegheny County
89. Rank 30, SIXTH AV (H710), SEG 10, LIBERTY AV to SMITHFIELD ST, PITTSBURGH (CITY), Allegheny County
90. Rank 31, LIBERTY AV (H006), SEG 60, NINTH ST to GRANT ST, PITTSBURGH (CITY), Allegheny County
91. Rank 31, PENN AV (H562), SEG 20, SIXTEENTH ST to ELEVENTH ST, PITTSBURGH (CITY), Allegheny County
92. Rank 31, SIXTH ST (H005), SEG 10, LIBERTY AV to FORT DUQUESNE BL, PITTSBURGH (CITY), Allegheny County
93. Rank 32, SECOND AV (SR 885), SEG 250, PITTSBURGH (CITY), Allegheny County
94. Rank 33, PITTSBURGH ST (SR 130), SEG 332, HEMPFIELD (TWP), Westmoreland County
95. Rank 33, LIBERTY AV (H006), SEG 70, GRANT ST to SIXTEENTH ST, PITTSBURGH (CITY), Allegheny County
96. Rank 34, STEUBEN ST (H278), SEG 20, MIDDLETOWN RD to CHARTIERS AV, PITTSBURGH (CITY), Allegheny County
97. Rank 34, LIBERTY AV (H006), SEG 32, FIFTH AV to SIXTH ST, PITTSBURGH (CITY), Allegheny County
98. Rank 35, S MAIN ST (SR 8), SEG 340, BUTLER (CITY), Butler County
99. Rank 35, LIBRARY RD (SR 88), SEG 70, BETHEL PARK (BORO), Allegheny County
100. Rank 35, LIBRARY RD (SR 88), SEG 130, CASTLE SHANNON (BORO), Allegheny County
101. Rank 35, EAST CARSON ST (SR 837), SEG 510, PITTSBURGH (CITY), Allegheny County
102. Rank 35, NOBLESTOWN RD (SR 50), SEG 270, GREEN TREE (BORO), Allegheny County
103. Rank 36, CLAIRTON BL (SR 51), SEG 300, BRENTWOOD (BORO), Allegheny County
104. Rank 36, CLAIRTON BL (SR 51), SEG 301, BRENTWOOD (BORO), Allegheny County
105. Rank 36, LINCOLN HW (SR 30), SEG 211, FOREST HILLS (BORO), Allegheny County
106. Rank 36, OHIO RIVER BL (SR 65), SEG 61, BELLEVUE (BORO), Allegheny County
107. Rank 36, BEULAH RD (SR 130), SEG 132, PENN HILLS (TWP), Allegheny County
108. Rank 36, HIGHLAND AV (SR 1005), SEG 30, NEW CASTLE (CITY), Lawrence County
109. Rank 37, OHIO RIVER BL (SR 65), SEG 40, BELLEVUE (BORO), Allegheny County
110. Rank 37, NOBLESTOWN RD (SR 60), SEG 40, PITTSBURGH (CITY), Allegheny County
111. Rank 37, W MADISON ST/BRIGHTON AV (SR 6018), SEG 30, ROCHESTER (BORO), Beaver County
112. Rank 37, CLAIRTON BL (SR 51), SEG 311, BRENTWOOD (BORO), Allegheny County
113. Rank 37, CLAIRTON BL (SR 51), SEG 310, BRENTWOOD (BORO), Allegheny County
114. Rank 37, PITTSBURGH RD (SR 8), SEG 290, BUTLER (TWP), Butler County
115. Rank 37, OHIO RIVER BL (SR 65), SEG 71, AVALON (BORO), Allegheny County
116. Rank 37, OHIO RIVER BL (SR 65), SEG 41, BELLEVUE (BORO), Allegheny County
117. Rank 37, OHIO RIVER BL (SR 65), SEG 70, AVALON (BORO), Allegheny County



118. Rank 37, BROADWAY AV (H292), SEG 50, SEVENTH ST/SR 3092 to STOWE TWP M/L, MCKEES ROCKS (BORO), Allegheny County
119. Rank 37, MAIDEN ST (SR 40), SEG 380, WASHINGTON (CITY), Washington County
120. Rank 37, NEW WM PENN HW (SR 22), SEG 260, MONROEVILLE (BORO), Allegheny County
121. Rank 37, ROSTRAVER RD (SR 201), SEG 20, ROSTRAVER (TWP), Westmoreland County
122. Rank 38, OHIO RIVER BL (SR 65), SEG 50, BELLEVUE (BORO), Allegheny County
123. Rank 38, JEFFERSON ST (SR 18), SEG 361, NEW CASTLE (CITY), Lawrence County
124. Rank 38, JEFFERSON ST (SR 18), SEG 360, NEW CASTLE (CITY), Lawrence County
125. Rank 38, LEBANON CHURCH RD (SR 2040), SEG 111, WEST MIFFLIN (BORO), Allegheny County
126. Rank 38, SR 0028 SH (SR 28), SEG 280, RAYBURN (TWP), Armstrong County
127. Rank 38, LINCOLN HW (SR 30), SEG 240, HEMPFIELD (TWP), Westmoreland County
128. Rank 38, NEW CASTLE RD (SR 356), SEG 450, BUTLER (TWP), Butler County
129. Rank 38, BUSINESS RT 66 RD (SR 66), SEG 100, HEMPFIELD (TWP), Westmoreland County
130. Rank 38, WILLIAM PENN HW (SR 2048), SEG 15, CHURCHILL (BORO), Allegheny County
131. Rank 38, WILLIAM PENN HW (SR 2048), SEG 14, CHURCHILL (BORO), Allegheny County
132. Rank 38, MCKNIGHT RD (SR 4003), SEG 50, ROSS (TWP), Allegheny County
133. Rank 38, OHIO RIVER BL (SR 65), SEG 51, BELLEVUE (BORO), Allegheny County
134. Rank 38, BENJAMIN FRANKLIN HW (SR 422), SEG 460, SLIPPERY ROCK (TWP), Lawrence County
135. Rank 38, PERRY HW (SR 19), SEG 20, CRANBERRY (TWP), Butler County
136. Rank 38, MOSSIDE BL (SR 48), SEG 370, MONROEVILLE (BORO), Allegheny County
137. Rank 38, PERRY HW (SR 19), SEG 21, CRANBERRY (TWP), Butler County
138. Rank 38, BENJAMIN FRANKLIN HW (SR 422), SEG 190, FRANKLIN (TWP), Butler County
139. Rank 38, LEBANON CHURCH RD (SR 2040), SEG 110, WEST MIFFLIN (BORO), Allegheny County
140. Rank 38, ROSS ST (SR 366), SEG 23, TARENTUM (BORO), Allegheny County

141. Rank 38, ZEIGLER AV (W107), SEG 10, CENTER AV/SR0356 to SR2002/BRIDGE, BUTLER (CITY), Butler County
142. Rank 38, NEW CASTLE RD (SR 68), SEG 430, BUTLER (CITY), Butler County
143. Rank 38, DELAWARE AV (SR 6018), SEG 40, ROCHESTER (BORO), Beaver County
144. Rank 38, OHIO RIVER BL (SR 65), SEG 170, HAYSVILLE (BORO), Allegheny County
145. Rank 38, OHIO RIVER BL (SR 65), SEG 171, HAYSVILLE (BORO), Allegheny County
146. Rank 38, PORTER AV (SR 819), SEG 60, EAST HUNTINGDON (TWP), Westmoreland County
147. Rank 38, PITTSBURGH RD (SR 8), SEG 241, PENN (TWP), Butler County
148. Rank 38, LEWIS AV (SR 4006), SEG 30, JEANNETTE (CITY), Westmoreland County
149. Rank 38, PERRY HW (SR 19), SEG 40, CRANBERRY (TWP), Butler County
150. Rank 38, LINCOLN HW (SR 30), SEG 371, HEMPFIELD (TWP), Westmoreland County

#### **Wayne County**

1. Rank 1, FAIR ST (SR 191), SEG 550, HONESDALE (BORO), Wayne County
2. Rank 2, MAIN ST (SR 191), SEG 530, HONESDALE (BORO), Wayne County
3. Rank 3, TEXAS PALMYRA HWY (SR 6), SEG 324, TEXAS (TWP), Wayne County
4. Rank 3, SUNRISE AV (SR 191), SEG 510, HONESDALE (BORO), Wayne County
5. Rank 4, GRANDVIEW AV (SR 6), SEG 300, HONESDALE (BORO), Wayne County
6. Rank 4, SUNRISE AV (SR 191), SEG 520, HONESDALE (BORO), Wayne County
7. Rank 4, FORTINIA RD (SR 6), SEG 230, HONESDALE (BORO), Wayne County
8. Rank 4, FORTINIA RD (SR 6), SEG 220, HONESDALE (BORO), Wayne County
9. Rank 4, PARK ST (SR 6), SEG 240, HONESDALE (BORO), Wayne County
10. Rank 4, GRANDVIEW AV (SR 6), SEG 310, TEXAS (TWP), Wayne County
11. Rank 4, FORTINIA RD (SR 6), SEG 210, TEXAS (TWP), Wayne County
12. Rank 4, SUNRISE AV (SR 191), SEG 500, HONESDALE (BORO), Wayne County
13. Rank 4, FORTINIA RD (SR 6), SEG 200, TEXAS (TWP), Wayne County
14. Rank 4, TEXAS PALMYRA HWY (SR 6), SEG 390, TEXAS (TWP), Wayne County
15. Rank 4, SUNRISE AV (SR 191), SEG 490, HONESDALE (BORO), Wayne County
16. Rank 5, MAIN ST (SR 6), SEG 270, HONESDALE (BORO), Wayne County
17. Rank 6, TEXAS PALMYRA HWY (SR 6), SEG 330, TEXAS (TWP), Wayne County

18. Rank 7, CHURCH ST (SR 6), SEG 261, HONESDALE (BORO), Wayne County
19. Rank 8, MAIN ST (SR 6), SEG 260, HONESDALE (BORO), Wayne County
20. Rank 8, PARK ST (SR 6), SEG 250, HONESDALE (BORO), Wayne County

#### **Williamsport Area Transportation Study MPO**

1. Rank 1, ALLEGHENY ST (SR 3028), SEG 50, JERSEY SHORE (BORO), Lycoming County
2. Rank 2, HEPBURN ST (SR 2089), SEG 20, WILLIAMSPORT (CITY), Lycoming County
3. Rank 2, ALLEGHENY ST (SR 3028), SEG 40, JERSEY SHORE (BORO), Lycoming County
4. Rank 2, WASHINGTON BL (SR 2016), SEG 120, WILLIAMSPORT (CITY), Lycoming County
5. Rank 3, MAIN ST (SR 44), SEG 430, JERSEY SHORE (BORO), Lycoming County
6. Rank 3, HIGH ST (SR 2016), SEG 60, WILLIAMSPORT (CITY), Lycoming County
7. Rank 3, MAIN ST (SR 405), SEG 230, HUGHESVILLE (BORO), Lycoming County
8. Rank 3, WASHINGTON BL (SR 2016), SEG 110, WILLIAMSPORT (CITY), Lycoming County
9. Rank 4, LYCOMING MALL DR (SR 2014), SEG 300, MONTOURSVILLE (BORO), Lycoming County
10. Rank 5, HIGH ST (SR 2016), SEG 80, WILLIAMSPORT (CITY), Lycoming County
11. Rank 5, FOURTH ST (SR 2014), SEG 60, WILLIAMSPORT (CITY), Lycoming County
12. Rank 6, MAIN ST (SR 405), SEG 240, HUGHESVILLE (BORO), Lycoming County
13. Rank 6, MAIN ST (SR 405), SEG 250, HUGHESVILLE (BORO), Lycoming County
14. Rank 6, BROAD ST (SR 2014), SEG 240, MONTOURSVILLE (BORO), Lycoming County
15. Rank 7, WASHINGTON BL (SR 2016), SEG 130, WILLIAMSPORT (CITY), Lycoming County
16. Rank 7, TROUT POND BL (SR 405), SEG 210, WOLF (TWP), Lycoming County
17. Rank 8, BASIN ST (SR 2062), SEG 10, WILLIAMSPORT (CITY), Lycoming County
18. Rank 8, SR 0405 SH (SR 405), SEG 100, MUNCY CREEK (TWP), Lycoming County
19. Rank 8, LYCOMING MALL DR (SR 2014), SEG 310, FAIRFIELD (TWP), Lycoming County
20. Rank 8, LYCOMING MALL DR (SR 2014), SEG 340, FAIRFIELD (TWP), Lycoming County

#### **York Area MPO**

1. Rank 1, HELLAM ST (SR 462), SEG 310, WRIGHTSVILLE (BORO), York County
2. Rank 1, GEORGE ST (SR 181), SEG 120, EAST MANCHESTER (TWP), York County
3. Rank 1, MARKET ST (SR 462), SEG 180, HELLAM (TWP), York County
4. Rank 2, MARKET ST (SR 462), SEG 40, WEST YORK (BORO), York County
5. Rank 3, CANAL ST (SR 4002), SEG 260, DOVER (BORO), York County
6. Rank 4, LINCOLN HW (SR 462), SEG 210, HALLAM (BORO), York County
7. Rank 4, OLD YORK RD (SR 1003), SEG 100, NEW CUMBERLAND (BORO), York County
8. Rank 4, CHURCH RD (SR 238), SEG 140, MANCHESTER (TWP), York County
9. Rank 5, LINCOLN HW (SR 30), SEG 160, JACKSON (TWP), York County
10. Rank 5, EMIG RD (SR 1012), SEG 10, MANCHESTER (TWP), York County
11. Rank 5, MARKET ST (SR 462), SEG 20, WEST MANCHESTER (TWP), York County
12. Rank 5, LINCOLN HW (SR 30), SEG 150, JACKSON (TWP), York County
13. Rank 5, MARKET ST (SR 462), SEG 30, WEST MANCHESTER (TWP), York County
14. Rank 5, BALTIMORE ST (SR 74), SEG 1100, DILLSBURG (BORO), York County
15. Rank 5, PLEASANT VALLEY RD (D016), SEG 10, MEMORY LANE/SR2005 to SR 0024, SPRINGETTSBURY (TWP), York County
16. Rank 5, HELLAM ST (SR 462), SEG 320, WRIGHTSVILLE (BORO), York County
17. Rank 6, S QUEEN ST (SR 74), SEG 630, YORK (CITY), York County
18. Rank 7, CARLISLE ST (SR 94), SEG 150, HANOVER (BORO), York County
19. Rank 7, GEORGE ST (SR 181), SEG 10, MANCHESTER (TWP), York County
20. Rank 8, SUSQUEHANNA TR (SR 4005), SEG 20, MANCHESTER (TWP), York County
21. Rank 8, MARKET ST (SR 462), SEG 100, YORK (CITY), York County
22. Rank 8, MARKET ST (SR 462), SEG 101, YORK (CITY), York County
23. Rank 9, BALTIMORE ST (SR 94), SEG 90, PENN (TWP), York County
24. Rank 9, ARSENAL RD (SR 30), SEG 351, MANCHESTER (TWP), York County
25. Rank 9, BANNISTER ST (SR 3048), SEG 30, WEST MANCHESTER (TWP), York County
26. Rank 9, MEMORY LN (SR 2005), SEG 130, SPRINGETTSBURY (TWP), York County
27. Rank 9, ARSENAL RD (SR 30), SEG 350, MANCHESTER (TWP), York County

28. Rank 9, MEMORY LN (SR 2005), SEG 131, SPRINGETTSBURY (TWP), York County
29. Rank 10, LINCOLN HW (SR 30), SEG 280, YORK (CITY), York County
30. Rank 10, YORK ST (SR 116), SEG 80, PENN (TWP), York County
31. Rank 10, LINCOLN HW (SR 30), SEG 281, YORK (CITY), York County
32. Rank 10, FORREST AV (SR 851), SEG 230, SHREWSBURY (TWP), York County
33. Rank 10, MARKET ST (SR 462), SEG 170, SPRINGETTSBURY (TWP), York County
34. Rank 10, CAPE HORN RD (SR 24), SEG 370, WINDSOR (TWP), York County
35. Rank 10, OLD YORK RD (SR 1003), SEG 70, FAIRVIEW (TWP), York County
36. Rank 10, COOL SPRINGS RD (SR 1016), SEG 40, WRIGHTSVILLE (BORO), York County
37. Rank 10, CARLISLE RD (SR 74), SEG 750, DOVER (TWP), York County
38. Rank 10, LOMBARD RD (SR 2007), SEG 50, WINDSOR (TWP), York County
39. Rank 11, S QUEEN ST (SR 74), SEG 640, YORK (CITY), York County
40. Rank 12, MARKET ST (SR 462), SEG 150, SPRINGETTSBURY (TWP), York County

### **Urban Unsignalized Intersections by Planning Partner**

*RANK, INTERSECTING STREETS, MUNICIPALITY, COUNTY (if Multiple)*

#### **Adams County Transportation Planning Organization MPO**

1. RANK 1, BALTIMORE ST/BALTIMORE PK, GETTYSBURG/CUMBERLAND
2. RANK 2, HANOVER ST/LINCOLN WAY WEST, NEW OXFORD
3. RANK 3, FLESHMAN MILL/YORK RD, MOUNT PLEASANT
4. RANK 4, SAINT JOHNS/KING ST/FREDERICK PK/FREDERICK, GERMANY/LITTLESTOWN
5. RANK 4, FOURTH ST/HANOVER ST/FOURTH, GETTYSBURG/STRABAN
6. RANK 4, ELM AV/BENN, CONEWAGO/MCSHERRYSTOWN
7. RANK 4, LINDEN/ELM AV, CONEWAGO
8. RANK 4, HANOVER/CARLISLE PK, OXFORD/PENN/BERWICK/CONEWAGO
9. RANK 4, MEADOW/BIGLERVILLE RD, CUMBERLAND
10. RANK 4, CHAPEL RD/FRIENDLY, CONEWAGO
11. RANK 4, OLD MILL/FAIRFIELD RD, CUMBERLAND
12. RANK 4, WINDBRIAR/FAIRFIELD RD, GETTYSBURG/CUMBERLAND

13. RANK 4, NEW CHESTER/YORK RD, STRABAN/MOUNT PLEASANT
14. RANK 4, YORK RD/SWIFT RUN, STRABAN/MOUNT PLEASANT
15. RANK 4, WHITEHALL RD/PRINCE, UNION/LITTLESTOWN
16. RANK 4, KINDIG/OXFORD AV, CONEWAGO
17. RANK 4, CARLISLE PK/APPLER RD/GREEN SPRINGS RD, OXFORD/BERWICK
18. RANK 5, COMMERCE/YORK RD/LINCOLN WAY WEST, OXFORD/NEW OXFORD
19. RANK 6, DEATRICK/FAIRFIELD RD, CUMBERLAND
20. RANK 6, WOODCREST/FAIRFIELD RD, GETTYSBURG/CUMBERLAND

#### **Altoona MPO**

1. RANK 1, PENN ST/HEWIT, FRANKSTOWN/HOLLIDAYSBURG
2. RANK 1, PARK AV/ELEVENTH, LOGAN
3. RANK 1, PARK AV/LAKE, LOGAN
4. RANK 1, PLANK RD/MORNINGSIDE, ALTOONA
5. RANK 1, APPLE BLOSSOM/WILLOW/PLANK RD/FURNACE, ALLEGHENY
6. RANK 1, LOWELL/ALDRICH/PLANK RD, ALTOONA
7. RANK 2, PLANK RD/CONNECTOR, BLAIR/ALLEGHENY/HOLLIDAYSBURG
8. RANK 3, PLANK RD/POUND, ALLEGHENY
9. RANK 4, WOODBURY PK/BACK, FREEDOM
10. RANK 4, PARK AVE/SR 4027 SH, SNYDER
11. RANK 4, THIRTYFIRST ST/LOGAN BL/BEALE AV, ALTOONA
12. RANK 4, THIRD ST/SR 4027 SH/WASHINGTON AV/THIRD, SNYDER/TYRONE
13. RANK 4, SHORT/WASHINGTON AV/FOURTH, TYRONE
14. RANK 4, SCOTCH VALLEY RD/BLAIR ST/ALLEGHENY ST, FRANKSTOWN/HOLLIDAYSBURG
15. RANK 4, ROBINSON/WOODBURY PK, ROARING SPRING/TAYLOR
16. RANK 4, CHARGER HW/BEDFORD ST/CHIMNEY ROCKS RD/CONNECTOR, BLAIR/HOLLIDAYSBURG
17. RANK 4, LOG CABIN/THIRTYFIRST/CRESCENT/UNION AV, ALTOONA
18. RANK 4, CONNECTOR/COVE MOUNTAIN RD, ROARING SPRING/TAYLOR
19. RANK 4, SYCAMORE/PLEASANT VALLEY BL, LOGAN
20. RANK 4, WOODBURY PK/PLUM CREEK RD, TAYLOR



### **Cambria County MPO**

1. RANK 1, GAUTIER/RAILROAD/CLINTON ST/CHURCH, JOHNSTOWN
2. RANK 2, CEDAR/FRONHEISER/BEDFORD ST/SINGER HILL RD, DALE/JOHNSTOWN
3. RANK 3, FERNDAL AV/SUMMIT AV/CLAY, UPPER YODER/FERNDAL
4. RANK 3, LEVERGOOD/BEDFORD ST/MAIN ST, JOHNSTOWN/CONEMAUGH
5. RANK 3, MENOHER BL/WEAVER/DIAMOND, SOUTHMONT/WESTMONT
6. RANK 3, FERNDAL AV/HILLVIEW, UPPER YODER/STONYPREEK
7. RANK 3, SCALP AV/DEMUTH, GEISTOWN
8. RANK 3, 1ST/ADMIRAL PEARY HW, CRESSON
9. RANK 4, DELLWOOD/MAPLE AV, JOHNSTOWN
10. RANK 5, HERSHBERGER RD/LANGHORNE AV/HUNT/ROXBURY, JOHNSTOWN
11. RANK 6, ST JOSEPH/METZ/SR 1005 SH, LORETTO
12. RANK 6, GOUCHER ST/MENDELL/QUAKER/FRANKLIN ST, UPPER YODER/FERNDAL
13. RANK 6, COOPER AV/IRON ST, WEST TAYLOR/JOHNSTOWN
14. RANK 6, MENOHER BL/CORNELL, SOUTHMONT/WESTMONT
15. RANK 6, HERSHBERGER RD/SOUTHMONT BL/HUNT/LANGHORNE AV, JOHNSTOWN
16. RANK 6, BRIDGE/WASHINGTON/WILLIAMS/PORTAGE ST, LILLY
17. RANK 6, MENOHER BL/CARNEGIE, SOUTHMONT/WESTMONT
18. RANK 6, CASE/MENOHER BL, SOUTHMONT/WESTMONT
19. RANK 6, KRING/BELMONT/BELMONT ST/KRINGS ST, RICHLAND/GEISTOWN/STONYPREEK
20. RANK 6, MENOHER BL/CHRISTOPHER, SOUTHMONT/WESTMONT

### **Centre County MPO**

1. RANK 1, WARNOCK/MAPLE/SOUTH ATHERTON ST/KENNARD, HARRIS/COLLEGE
2. RANK 1, COLLEGE AV/CHELSEA, FERGUSON
3. RANK 1, COLLEGE AV/HOLLY, FERGUSON
4. RANK 2, LOGAN/SOUTH ATHERTON ST, STATE COLLEGE
5. RANK 3, GHANER/SKYTOP MOUNTAIN RD, PATTON
6. RANK 4, COLLEGE AV/LIMEROCK, COLLEGE

7. RANK 4, EASTERLY PY/PUGH, STATE COLLEGE
8. RANK 4, WATER ST/NIXON/PINE GROVE RD, FERGUSON
9. RANK 4, NORTH ATHERTON ST/PARK FOREST AV, FERGUSON/PATTON
10. RANK 5, MARKET/COMMERCIAL/TURNPIKE ST/MILL ST/MILL, MILESBURG
11. RANK 5, CURVE HILL/SKYTOP MOUNTAIN RD, PATTON
12. RANK 5, VILLA CREST/SOUTH ATHERTON ST, HARRIS/COLLEGE
13. RANK 5, COLLEGE AV/PUDDINTOWN RD, STATE COLLEGE/COLLEGE
14. RANK 5, COLLEGE AV/GRANDVIEW, COLLEGE
15. RANK 5, WATER ST/STONE BATTER/WILLOWBANK ST/MILL ST, BELLEFONTE
16. RANK 5, PARK AV ET/ORCHARD RD, COLLEGE
17. RANK 5, UNIVERSITY DR/E WHITEHALL RD, STATE COLLEGE/COLLEGE
18. RANK 5, COLLEGE AV/MIDDLE, STATE COLLEGE/FERGUSON
19. RANK 5, COLLEGE AV/BENNER PK, COLLEGE
20. RANK 5, JACKS MILL/TWENTY EIGHTH DIVISION HW, HARRIS

### **Delaware Valley Regional Planning Commission**

1. RANK 1, RUSCOMB/ROOSEVELT BL/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
2. RANK 2, FAIRHILL/ROOSEVELT BL/WYOMING AV, PHILADELPHIA, PHILADELPHIA COUNTY
3. RANK 3, ROOSEVELT BL/LEXINGTON, PHILADELPHIA, PHILADELPHIA COUNTY
4. RANK 4, KNIGHTS RD/VIRGINIA, BENSLEM, BUCKS COUNTY
5. RANK 5, CAMBRIA/WATTS/GLENWOOD AV, PHILADELPHIA, PHILADELPHIA COUNTY
6. RANK 6, HAVERFORD AV/SICKELS, PHILADELPHIA, PHILADELPHIA COUNTY
7. RANK 6, ROOSEVELT BL/ROBBINS ST, PHILADELPHIA, PHILADELPHIA COUNTY
8. RANK 6, ROOSEVELT BL/WINGOHOCKING, PHILADELPHIA, PHILADELPHIA COUNTY
9. RANK 6, RANDOLPH/GLENWOOD AV/REESE, PHILADELPHIA, PHILADELPHIA COUNTY
10. RANK 7, ROOSEVELT BL/SIXTH, PHILADELPHIA, PHILADELPHIA COUNTY
11. RANK 8, ROOSEVELT BL/EIGHTH, PHILADELPHIA, PHILADELPHIA COUNTY
12. RANK 9, LARGE/ROOSEVELT BL/VAN KIRK, PHILADELPHIA, PHILADELPHIA COUNTY

13. RANK 9, ROOSEVELT BL/ROCKLAND, PHILADELPHIA, PHILADELPHIA COUNTY
14. RANK 10, MAYLAND/CHEW AV/BELFIELD, PHILADELPHIA, PHILADELPHIA COUNTY
15. RANK 11, OLD YORK RD/JERICO, ABINGTON, MONTGOMERY COUNTY
16. RANK 11, THIRTEENTH/ATLANTIC/TIOGA/GERMANTOWN AV, PHILADELPHIA, PHILADELPHIA COUNTY
17. RANK 11, MASCHER ST/ROOSEVELT BL/ROCKLAND, PHILADELPHIA, PHILADELPHIA COUNTY
18. RANK 11, WANAMAKER/HAVERFORD AV/HOBART, PHILADELPHIA, PHILADELPHIA COUNTY
19. RANK 12, BELMONT/BRISTOL PK/CEDAR AV, BRISTOL, BUCKS COUNTY
20. RANK 12, RIDGE AV/ROCHELLE/OSBORN, PHILADELPHIA, PHILADELPHIA COUNTY
21. RANK 12, HAVERFORD AV/SALFORD, PHILADELPHIA, PHILADELPHIA COUNTY
22. RANK 12, GREEN/MORTON AV, CHESTER, DELAWARE COUNTY
23. RANK 12, ELSINOR/MORTON AV/BALDWIN, EDDYSTONE/CHESTER/RIDLEY, DELAWARE COUNTY
24. RANK 12, MELROSE AV/MORTON AV/MCDOWELL, EDDYSTONE/CHESTER/RIDLEY, DELAWARE COUNTY
25. RANK 12, WOOD/SWEDE ST/MARKLEY ST, NORRISTOWN, MONTGOMERY COUNTY
26. RANK 12, PASSYUNK AV/DORRANCE/JACKSON, PHILADELPHIA, PHILADELPHIA COUNTY
27. RANK 12, CONGRESS/MORTON AV, CHESTER, DELAWARE COUNTY
28. RANK 12, WESTMINSTER/HAVERFORD AV/ALLISON, PHILADELPHIA, PHILADELPHIA COUNTY
29. RANK 12, INDIANA/TENTH/GERMANTOWN AV, PHILADELPHIA, PHILADELPHIA COUNTY
30. RANK 12, ROOSEVELT BL/PARK/BRISTOL, PHILADELPHIA, PHILADELPHIA COUNTY
31. RANK 12, ROOSEVELT BL/SECOND, PHILADELPHIA, PHILADELPHIA COUNTY
32. RANK 13, OXFORD CR/ROOSEVELT BL/CHELTENHAM, PHILADELPHIA, PHILADELPHIA COUNTY
33. RANK 13, CHESTER RD/MOUNT HOLYOKE/PARK, SPRINGFIELD/RIDLEY, DELAWARE COUNTY
34. RANK 13, TWENTY-THIRD/PROVIDENCE AV, CHESTER/NETHER PROVIDENCE, DELAWARE COUNTY
35. RANK 13, ROBINSON/HAVERFORD AV/THOMPSON, PHILADELPHIA, PHILADELPHIA COUNTY
36. RANK 13, PASSYUNK AV/WOLF/LAMBERT, PHILADELPHIA, PHILADELPHIA COUNTY
37. RANK 13, STREET RD/EVERGREEN, WARMINSTER, BUCKS COUNTY
38. RANK 13, IRVINGTON/PROVIDENCE AV, CHESTER/NETHER PROVIDENCE, DELAWARE COUNTY
39. RANK 14, REVERE/ROOSEVELT BL, PHILADELPHIA, PHILADELPHIA COUNTY
40. RANK 15, PASSYUNK AV/RITNER/BONSALL, PHILADELPHIA, PHILADELPHIA COUNTY
41. RANK 15, BOUVIER/GLENWOOD AV, PHILADELPHIA, PHILADELPHIA COUNTY
42. RANK 16, RIDGE AV/REDNER/BOLTON/TWENTY-FIRST, PHILADELPHIA, PHILADELPHIA COUNTY
43. RANK 17, OREGON AV/TWENTY SECOND ST, PHILADELPHIA, PHILADELPHIA COUNTY
44. RANK 18, HAVERFORD AV/GREENHILL, PHILADELPHIA, PHILADELPHIA COUNTY
45. RANK 19, ROY/HILTON/GERMANTOWN AV, PHILADELPHIA, PHILADELPHIA COUNTY
46. RANK 19, ROOSEVELT BL/BOUDINOT, PHILADELPHIA, PHILADELPHIA COUNTY
47. RANK 19, TWENTY-THIRD/EDGMONT AV, PARKSIDE/CHESTER, DELAWARE COUNTY
48. RANK 19, ROOSEVELT BL/A, PHILADELPHIA, PHILADELPHIA COUNTY
49. RANK 19, CROSS/POINT BREEZE/TWENTY-SECOND ST, PHILADELPHIA, PHILADELPHIA COUNTY
50. RANK 19, TIOGA/RISING SUN AV/WARNOCK, PHILADELPHIA, PHILADELPHIA COUNTY
51. RANK 20, BALTIMORE PK/EYRE AVE, SPRINGFIELD/CLIFTON HEIGHTS/UPPER DARBY, DELAWARE COUNTY
52. RANK 20, GRANSBACK/ROOSEVELT BL, PHILADELPHIA, PHILADELPHIA COUNTY
53. RANK 20, CLOVER/WEST CHESTER PK, NEWTOWN, DELAWARE COUNTY
54. RANK 20, EASTON RD/MAPLE, WARRINGTON, BUCKS COUNTY
55. RANK 21, CHEW AV/BELFIELD, PHILADELPHIA, PHILADELPHIA COUNTY
56. RANK 22, SIXTY-FIFTH/BEECHWOOD/WYNCOTE AV, PHILADELPHIA, PHILADELPHIA COUNTY
57. RANK 22, SEVENTY-EIGHTH/CHELTENHAM AV, CHELTENHAM/PHILADELPHIA, MONTGOMERY/PHILADELPHIA COUNTY

58. RANK 23, ANNIN/GRAYS FERRY AV/ELLSWORTH, PHILADELPHIA, PHILADELPHIA COUNTY
59. RANK 23, ALTER/TWENTY-SEVENTH ST/PELTZ/ELLSWORTH/GRAYS FERRY AV, PHILADELPHIA, PHILADELPHIA COUNTY
60. RANK 24, ROOSEVELT BL/VAN KIRK, PHILADELPHIA, PHILADELPHIA COUNTY
61. RANK 24, MANTUA/BELMONT AV, PHILADELPHIA, PHILADELPHIA COUNTY
62. RANK 24, STENTON AV/ELLET, PHILADELPHIA, PHILADELPHIA COUNTY
63. RANK 24, COLORADO/BOUVIER/OREGON AV, PHILADELPHIA, PHILADELPHIA COUNTY
64. RANK 24, MONROE ST/BAKER, MEDIA, DELAWARE COUNTY
65. RANK 25, RANSTEAD/FIFTY-SECOND ST/LUDLOW, PHILADELPHIA, PHILADELPHIA COUNTY
66. RANK 25, BARTRAM/POWHATTON/INDUSTRIAL HW, TINICUM, DELAWARE COUNTY
67. RANK 25, MERION/BELMONT AV/PENNSGROVE, PHILADELPHIA, PHILADELPHIA COUNTY
68. RANK 25, THIRTIETH/NEW HOPE/MIFFLIN, PHILADELPHIA, PHILADELPHIA COUNTY
69. RANK 25, STENTON AV/CHELLEN, PHILADELPHIA, PHILADELPHIA COUNTY
70. RANK 25, TYSON AV/EDGEHILL RD, ABINGTON, MONTGOMERY COUNTY
71. RANK 25, OLNEY AV/CHEW, PHILADELPHIA, PHILADELPHIA COUNTY
72. RANK 25, BELMONT AV/VIOLA, PHILADELPHIA, PHILADELPHIA COUNTY
73. RANK 25, ELEVENTH/MORTON AV, EDDYSTONE/CHESTER/RIDLEY, DELAWARE COUNTY
74. RANK 25, HAVERFORD AV/FARSON, PHILADELPHIA, PHILADELPHIA COUNTY
75. RANK 25, HYATT/MORTON AV, CHESTER, DELAWARE COUNTY
76. RANK 25, WESTMORELAND/GLENWOOD AV/MARSHALL, PHILADELPHIA, PHILADELPHIA COUNTY
77. RANK 25, OVERHILL/PHILMONT AV, PHILADELPHIA, PHILADELPHIA COUNTY
78. RANK 25, GLENWOOD AV/SIXTH ST, PHILADELPHIA, PHILADELPHIA COUNTY
79. RANK 25, ALBANUS/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
80. RANK 25, ROOSEVELT BL/LAWRENCE, PHILADELPHIA, PHILADELPHIA COUNTY
81. RANK 25, RAILROAD/MAIN ST, LANSDALE, MONTGOMERY COUNTY
82. RANK 25, LUZERNE ST/LYCOMING ST/DARIEN, PHILADELPHIA, PHILADELPHIA COUNTY
83. RANK 26, MONROE ST/JASPER, MEDIA, DELAWARE COUNTY
84. RANK 26, ASHDALE/BELFIELD AV, PHILADELPHIA, PHILADELPHIA COUNTY
85. RANK 26, RUSCOMB/SHELDON/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
86. RANK 26, HIGHLAND/MAIN ST, LANSDALE, MONTGOMERY COUNTY
87. RANK 26, BROUS/ROOSEVELT BL, PHILADELPHIA, PHILADELPHIA COUNTY
88. RANK 26, RIDGE AV/KELLY DR, PHILADELPHIA, PHILADELPHIA COUNTY
89. RANK 26, HAVERFORD AV/BRENTWOOD, PHILADELPHIA, PHILADELPHIA COUNTY
90. RANK 26, GROVANIA/SUSQUEHANNA RD, ABINGTON, MONTGOMERY COUNTY
91. RANK 26, RIDGE AV/JUDSON, PHILADELPHIA, PHILADELPHIA COUNTY
92. RANK 26, TWENTY-SIXTH ST/PENNSYLVANIA AV, PHILADELPHIA, PHILADELPHIA COUNTY
93. RANK 26, RUSSELL/GERMANTOWN AV, PHILADELPHIA, PHILADELPHIA COUNTY
94. RANK 26, HAVERFORD AV/RUSKIN, PHILADELPHIA, PHILADELPHIA COUNTY
95. RANK 26, WASHINGTON AV/FRANKLIN, PHILADELPHIA, PHILADELPHIA COUNTY
96. RANK 26, EASTON RD/GENEVA, ABINGTON, MONTGOMERY COUNTY
97. RANK 26, BROAD ST/OLD YORK/GRANGE, PHILADELPHIA, PHILADELPHIA COUNTY
98. RANK 26, RIDGE AV/PARK/WALLACE, PHILADELPHIA, PHILADELPHIA COUNTY
99. RANK 26, LUDWICK/HAVERFORD AV/PRESTON, PHILADELPHIA, PHILADELPHIA COUNTY
100. RANK 26, GARRETT RD/BEVERLY/BYWOOD, UPPER DARBY, DELAWARE COUNTY
101. RANK 26, PASSYUNK AV/RITNER/BUCKNELL, PHILADELPHIA, PHILADELPHIA COUNTY
102. RANK 26, LOUDON/HOPE/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
103. RANK 26, FAIRHILL/GLENWOOD AV/CORNWALL, PHILADELPHIA, PHILADELPHIA COUNTY
104. RANK 26, OREGON AV/HICKS, PHILADELPHIA, PHILADELPHIA COUNTY
105. RANK 26, OAK/DEKALB ST, NORRISTOWN, MONTGOMERY COUNTY
106. RANK 27, NINTH ST/WALNUT, CHESTER, DELAWARE COUNTY
107. RANK 27, OLD PENNELL/PENNELL RD/MOUNT ALVERNO, ASTON/



MIDDLETOWN, DELAWARE COUNTY

108. RANK 27, KNIGHTS RD/MCKINLEY/KATE, BENSALEM, BUCKS COUNTY
109. RANK 27, BARRINGTON/MARSHALL RD, PHILADELPHIA/UPPER DARBY, DELAWARE/PHILADELPHIA COUNTY
110. RANK 27, MARSHALL RD/ROCKLYNN, PHILADELPHIA/UPPER DARBY, DELAWARE/PHILADELPHIA COUNTY
111. RANK 27, RIDGE AV/EIGHTEENTH/CAMBRIDGE, PHILADELPHIA, PHILADELPHIA COUNTY
112. RANK 27, BRISTOL EMILIE/BRISTOL OXFORD VALLEY RD, BRISTOL, BUCKS COUNTY
113. RANK 27, SIXTH/MORTON AV/POTTER, CHESTER, DELAWARE COUNTY
114. RANK 27, MIDDLETOWN RD/BONSALL, MIDDLETOWN, DELAWARE COUNTY
115. RANK 27, ELEVENTH/GLENWOOD AV, PHILADELPHIA, PHILADELPHIA COUNTY
116. RANK 27, SHACKAMAXON/THOMPSON/FRANKFORD AV, PHILADELPHIA, PHILADELPHIA COUNTY
117. RANK 27, WYNNEWOOD/HAVERFORD AV/MASTER/GROSS, PHILADELPHIA, PHILADELPHIA COUNTY
118. RANK 27, HAVERFORD AV/DREXEL RD, PHILADELPHIA, PHILADELPHIA COUNTY
119. RANK 27, LEONARD/UNRUH/HARBISON AV, PHILADELPHIA, PHILADELPHIA COUNTY
120. RANK 27, WOODSIDE/FITZWATERTOWN RD, UPPER DUBLIN, MONTGOMERY COUNTY
121. RANK 27, DAVID DR/FITZWATERTOWN RD, UPPER DUBLIN, MONTGOMERY COUNTY
122. RANK 27, ENGLE ST/FOURTEENTH, CHESTER, DELAWARE COUNTY
123. RANK 27, STENTON AV/TWENTIETH, PHILADELPHIA, PHILADELPHIA COUNTY
124. RANK 27, BUDD/HAVERFORD AV, PHILADELPHIA, PHILADELPHIA COUNTY
125. RANK 27, MOYAMENSING AV/SIXTEENTH/SMEDLEY, PHILADELPHIA, PHILADELPHIA COUNTY
126. RANK 27, SIXTEENTH/PARRISH, PHILADELPHIA, PHILADELPHIA COUNTY
127. RANK 27, SWEDE ST/MARKLEY ST, NORRISTOWN, MONTGOMERY COUNTY
128. RANK 27, GERMANTOWN AV/WARNOCK, PHILADELPHIA, PHILADELPHIA COUNTY
129. RANK 27, MONUMENT/ YORK RD, HATBORO, MONTGOMERY COUNTY
130. RANK 27, W PENN/MARKLEY ST, NORRISTOWN, MONTGOMERY COUNTY
131. RANK 27, GLENWOOD AV/TWENTY-FIRST, PHILADELPHIA, PHILADELPHIA COUNTY
132. RANK 27, BALTIMORE AV/WALNUT, CLIFTON HEIGHTS, DELAWARE COUNTY
133. RANK 27, OXFORD AV/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
134. RANK 27, UPSAL/LINCOLN DR, PHILADELPHIA, PHILADELPHIA COUNTY
135. RANK 27, ROOSEVELT BL/KENWYN, PHILADELPHIA, PHILADELPHIA COUNTY
136. RANK 27, RANDOLPH/FAIRHILL/BUTLER/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
137. RANK 27, GALE/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
138. RANK 27, OLNEY AV/ELKINS, PHILADELPHIA, PHILADELPHIA COUNTY
139. RANK 27, SPRINGFIELD RD/WINDSOR CR, SPRINGFIELD, DELAWARE COUNTY
140. RANK 28, ARDLEIGH/MOUNT PLEASANT AV, PHILADELPHIA, PHILADELPHIA COUNTY
141. RANK 28, FITZWATERTOWN RD/EASTVIEW, UPPER DUBLIN, MONTGOMERY COUNTY
142. RANK 28, DUTTON MILL RD/RONALD/PIERCE, ASTON, DELAWARE COUNTY
143. RANK 28, DEKALB PK/BORO LINE, BRIDGEPORT/UPPER MERION, MONTGOMERY COUNTY
144. RANK 28, TURNER INDUSTRIAL/DUTTONS MILL RD/TURNER, ASTON, DELAWARE COUNTY
145. RANK 28, ANN/MARKLEY ST, NORRISTOWN, MONTGOMERY COUNTY
146. RANK 28, DUTTON MILL RD/PANCOAST, ASTON, DELAWARE COUNTY
147. RANK 28, NORTH HILLS/FITZWATERTOWN RD, UPPER DUBLIN, MONTGOMERY COUNTY
148. RANK 28, FOULKROD/ROOSEVELT BL, PHILADELPHIA, PHILADELPHIA COUNTY
149. RANK 28, ELM ST/APPLE/HECTOR ST, CONSHOHOCKEN, MONTGOMERY COUNTY
150. RANK 28, GENEVA/SOMERVILLE/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
151. RANK 28, LAKESIDE/LANCASTER AV, EASTTOWN, CHESTER COUNTY
152. RANK 28, OLD WILMINGTON/BRINTONS BRIDGE RD/BIRMINGHAM RD/OAKLAND RD, BIRMINGHAM/CHADDS FORD, DELAWARE/CHESTER COUNTY
153. RANK 28, ROOSEVELT BL/COURTLAND, PHILADELPHIA, PHILADELPHIA COUNTY
154. RANK 28, ROOSEVELT BL/GUILFORD, PHILADELPHIA, PHILADELPHIA COUNTY

155. RANK 28, PENNELL RD/SOUTH PENNELL RD/LAUREL, MIDDLETOWN, DELAWARE COUNTY
156. RANK 28, NINETEENTH/MOYAMENSING AV/POLLOCK, PHILADELPHIA, PHILADELPHIA COUNTY
157. RANK 28, MOUNT/PENNELL RD, ASTON/MIDDLETOWN, DELAWARE COUNTY
158. RANK 28, OLD YORK RD/FOREST AVE, CHELTENHAM, MONTGOMERY COUNTY
159. RANK 28, EIGHTEENTH ST/PIKE, PHILADELPHIA, PHILADELPHIA COUNTY
160. RANK 28, MORRIS/WALNUT LN, PHILADELPHIA, PHILADELPHIA COUNTY
161. RANK 28, OLD YORK RD/ACADEMY LN, CHELTENHAM, MONTGOMERY COUNTY
162. RANK 28, FIFTH/FORD ST/UNION/DEPOT, BRIDGEPORT, MONTGOMERY COUNTY
163. RANK 28, SUNSET AV/MAPLE, CHALFONT, BUCKS COUNTY
164. RANK 28, EASTON RD/LINDEN, UPPER MORELAND/HORSHAM, MONTGOMERY COUNTY
165. RANK 28, RIDGE AV/AYRDALE, PHILADELPHIA, PHILADELPHIA COUNTY
166. RANK 28, ROOSEVELT BL/COMLY, PHILADELPHIA, PHILADELPHIA COUNTY
167. RANK 28, HUTCHINSON/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
168. RANK 28, S CHESTER RD/PARK AV/MYERS, SWARTHMORE, DELAWARE COUNTY
169. RANK 28, B/ROOSEVELT BL, PHILADELPHIA, PHILADELPHIA COUNTY
170. RANK 28, STREET RD/HANSELL, BENSLEM, BUCKS COUNTY
171. RANK 28, BRISTOL RD/HILTON/CHESTNUT, BENSLEM/LOWER SOUTHAMPTON, BUCKS COUNTY
172. RANK 28, GREEN ST/CONCORD RD/ENGLE ST, CHESTER, DELAWARE COUNTY
173. RANK 28, GREEN/BEAVER/BELLEVUE AVE, HULMEVILLE, BUCKS COUNTY
174. RANK 28, BELLEVUE AV/NESHAMINY ST, MIDDLETOWN/HULMEVILLE/PENNDL, BUCKS COUNTY
175. RANK 28, TRENTON AV/LAFAYETTE, MORRISVILLE/FALLS, BUCKS COUNTY
176. RANK 28, TAMENEND AV/SPRING LAKE, NEW BRITAIN/DOYLESTOWN, BUCKS COUNTY
177. RANK 28, STENTON AV/PLAINFIELD, PHILADELPHIA, PHILADELPHIA COUNTY
178. RANK 28, STENTON AV/DURARD, PHILADELPHIA, PHILADELPHIA COUNTY
179. RANK 28, STENTON AV/ALLENS, PHILADELPHIA, PHILADELPHIA COUNTY
180. RANK 28, FITZWATERTOWN RD/BANNER, ABINGTON, MONTGOMERY COUNTY
181. RANK 28, COMLY AV/BELLEVUE AV, PENNDL/MIDDLETOWN/LANGHORNE MANOR, BUCKS COUNTY
182. RANK 28, DUDIE/NEWTOWN STREET RD, NEWTOWN, DELAWARE COUNTY
183. RANK 28, HAVERFORD AV/FELTON, PHILADELPHIA, PHILADELPHIA COUNTY
184. RANK 28, OXFORD AV/HORROCKS/KENWYN, PHILADELPHIA, PHILADELPHIA COUNTY
185. RANK 28, CHERRY/CHURCH RD, LANSDALE, MONTGOMERY COUNTY
186. RANK 28, STENTON AV/GRATZ, PHILADELPHIA, PHILADELPHIA COUNTY
187. RANK 28, NEWTOWN STREET RD/CHAPEL, NEWTOWN, DELAWARE COUNTY
188. RANK 28, OAKLAND/ROOSEVELT BL/LARDNER, PHILADELPHIA, PHILADELPHIA COUNTY
189. RANK 28, PARKSIDE/BELMONT AV/EDGLEY, PHILADELPHIA, PHILADELPHIA COUNTY
190. RANK 28, NEWTOWN STREET RD/CEDAR GROVE RD, MARPLE, DELAWARE COUNTY
191. RANK 28, GULPH RD/CHURCH RD, UPPER MERION, MONTGOMERY COUNTY
192. RANK 28, ROOSEVELT BL/RAMONA, PHILADELPHIA, PHILADELPHIA COUNTY
193. RANK 28, CHESTER RD/MEDBURY, SPRINGFIELD/RIDLEY/NETHER PROVIDENCE, DELAWARE COUNTY
194. RANK 28, KING/LANCASTER AVE, DOWNINGTOWN/CALN, CHESTER COUNTY
195. RANK 28, MARKLEY ST/ROBERTS, NORRISTOWN, MONTGOMERY COUNTY
196. RANK 28, MARKLEY ST/LINCOLN, NORRISTOWN, MONTGOMERY COUNTY
197. RANK 28, ABBOTTSFORD/WISSAHICKON AV, PHILADELPHIA, PHILADELPHIA COUNTY
198. RANK 28, GLEN ECHO/LINCOLN DR, PHILADELPHIA, PHILADELPHIA COUNTY
199. RANK 28, JAMES/GRANT AV, BENSLEM/PHILADELPHIA, PHILADELPHIA/BUCKS COUNTY
200. RANK 28, CONCORD RD/ENGLE ST, CHESTER, DELAWARE COUNTY
201. RANK 28, E MARKET ST/POPLAR, WEST CHESTER/WEST GOSHEN, CHESTER COUNTY
202. RANK 28, HOMESTEAD/COUNTY LINE/HAVERFORD RD, HAVERFORD/LOWER MERION, DELAWARE/MONTGOMERY COUNTY
203. RANK 28, SWEETBRIAR/TRENTON AV, FALLS, BUCKS COUNTY

204. RANK 28, CHESTNUT PKWY/CHESTER PARK/MEDIA/WATERVILLE RD/  
PARKVIEW SLOPE, CHESTER/NETHER PROVIDENCE, DELAWARE COUNTY
205. RANK 28, WORRELL/KENSINGTON AV, PHILADELPHIA, PHILADELPHIA COUNTY
206. RANK 28, OREGON AV/SMEDLEY, PHILADELPHIA, PHILADELPHIA COUNTY
207. RANK 28, BELMONT AV/LEIDY, PHILADELPHIA, PHILADELPHIA COUNTY
208. RANK 28, LEOPARD RD/LANCASTER AV, EASTTOWN/TREDYFFRIN, CHESTER  
COUNTY
209. RANK 28, FORTY-NINTH/HAVERFORD AV, PHILADELPHIA, PHILADELPHIA  
COUNTY
210. RANK 28, CHESWORTH/VERREE RD, PHILADELPHIA, PHILADELPHIA COUNTY
211. RANK 28, OREGON AV/MOLE, PHILADELPHIA, PHILADELPHIA COUNTY
212. RANK 28, HAVERFORD AV/WOODCREST, PHILADELPHIA, PHILADELPHIA  
COUNTY
213. RANK 29, POTTER/ALLEGHENY AV, PHILADELPHIA, PHILADELPHIA COUNTY
214. RANK 30, LEHIGH AV/POTTER, PHILADELPHIA, PHILADELPHIA COUNTY
215. RANK 31, MOYAMENSING/BROAD ST, PHILADELPHIA, PHILADELPHIA COUNTY
216. RANK 32, FIFTY-SECOND ST/SANSOM, PHILADELPHIA, PHILADELPHIA COUNTY
217. RANK 33, STREET RD/JUNE AV, BENSLEM, BUCKS COUNTY
218. RANK 34, LARGE/ROOSEVELT BL/COMLY, PHILADELPHIA, PHILADELPHIA  
COUNTY
219. RANK 35, NINTH ST/CROSBY, CHESTER, DELAWARE COUNTY
220. RANK 35, SECOND STREET PK/ROZEL, UPPER SOUTHAMPTON, BUCKS COUNTY
221. RANK 36, HARTVILLE/CAMBRIA, PHILADELPHIA, PHILADELPHIA COUNTY
222. RANK 37, STENTON AV/DUVAL, PHILADELPHIA, PHILADELPHIA COUNTY
223. RANK 37, WASHINGTON AV/DARIEN, PHILADELPHIA, PHILADELPHIA COUNTY
224. RANK 37, FIFTY-SECOND ST/PENNSGROVE, PHILADELPHIA, PHILADELPHIA  
COUNTY
225. RANK 37, FIFTY-SECOND ST/HOOPES, PHILADELPHIA, PHILADELPHIA COUNTY
226. RANK 38, GRACE/MARSHALL RD/COPLEY, UPPER DARBY, DELAWARE COUNTY
227. RANK 38, PASSYUNK AV/HEMBERGER, PHILADELPHIA, PHILADELPHIA COUNTY
228. RANK 39, HOLLAND/LANCASTER AV, LOWER MERION, MONTGOMERY COUNTY
229. RANK 39, NAUDAIN/TWENTY-SECOND ST, PHILADELPHIA, PHILADELPHIA  
COUNTY
230. RANK 39, GLENVIEW/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
231. RANK 39, RIDGE AV/DUPONT, PHILADELPHIA, PHILADELPHIA COUNTY
232. RANK 39, EASTBROOK/LINCOLN HW, PENNDL, BUCKS COUNTY
233. RANK 39, FRANKLIN/ALLEGHENY AV, PHILADELPHIA, PHILADELPHIA COUNTY
234. RANK 39, TWENTY-NINTH ST/STILES, PHILADELPHIA, PHILADELPHIA COUNTY
235. RANK 39, GREENWICH/POINT BREEZE/TWENTY-SECOND ST, PHILADELPHIA,  
PHILADELPHIA COUNTY
236. RANK 40, ELM/GOLF/WEST CHESTER PK, UPPER DARBY, DELAWARE COUNTY
237. RANK 40, REDFIELD ST/CHESTNUT ST, PHILADELPHIA, PHILADELPHIA COUNTY
238. RANK 40, RANDOLPH/WASHINGTON AV, PHILADELPHIA, PHILADELPHIA  
COUNTY
239. RANK 40, GERMANTOWN AV/VICTORIA ST, PHILADELPHIA, PHILADELPHIA  
COUNTY
240. RANK 40, HOLME AV/HOLME CR/WELSH RD, PHILADELPHIA, PHILADELPHIA  
COUNTY
241. RANK 40, ASPEN/LANCASTER AV, PHILADELPHIA, PHILADELPHIA COUNTY
242. RANK 40, HIGH ST/UNION, POTTSTOWN, MONTGOMERY COUNTY
243. RANK 40, LINCOLN DR/DURHAM, PHILADELPHIA, PHILADELPHIA COUNTY
244. RANK 41, ERIE AV/SEDGLEY AV, PHILADELPHIA, PHILADELPHIA COUNTY
245. RANK 41, RIDGE AV/RIPKA, PHILADELPHIA, PHILADELPHIA COUNTY
246. RANK 41, WEST CHESTER PK/LARCHWOOD/SUNSHINE, UPPER DARBY,  
DELAWARE COUNTY
247. RANK 41, SAYBROOK/SIXTYFIFTH ST, PHILADELPHIA, PHILADELPHIA COUNTY
248. RANK 41, PAOLI PL/VALLEY RD, TREDYFFRIN, CHESTER COUNTY
249. RANK 41, RIDGE AV/SCOTTS, PHILADELPHIA, PHILADELPHIA COUNTY
250. RANK 41, MARSHALL ST/CHURCH ST, NORRISTOWN, MONTGOMERY COUNTY
251. RANK 42, EDEN/ACADEMY RD, PHILADELPHIA, PHILADELPHIA COUNTY
252. RANK 42, BUSTLETON AV/PROCTOR, PHILADELPHIA, PHILADELPHIA COUNTY
253. RANK 42, KNORR/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
254. RANK 42, MEMORIAL/PARKSIDE AV, PHILADELPHIA, PHILADELPHIA COUNTY
255. RANK 42, WEDGEWOOD/LINCOLN HWY/BUSINESS 30, DOWNINGTOWN/CALN,  
CHESTER COUNTY
256. RANK 42, GREENLAND DR/WOODFORD, PHILADELPHIA, PHILADELPHIA



COUNTY

257. RANK 42, KELLY DR/BREWERY HILL/GIRARD AV, PHILADELPHIA, PHILADELPHIA COUNTY
258. RANK 42, ROOSEVELT BL/HARTEL, PHILADELPHIA, PHILADELPHIA COUNTY
259. RANK 42, MORRIS ST/POINT BREEZE, PHILADELPHIA, PHILADELPHIA COUNTY
260. RANK 43, S RUBY ST/SPRINGFIELD AV/PEACH, PHILADELPHIA, PHILADELPHIA COUNTY
261. RANK 43, BISHOP AV/DELMAR, SPRINGFIELD/CLIFTON HEIGHTS/UPPER DARBY, DELAWARE COUNTY
262. RANK 43, TWENTY-THIRD/POINT BREEZE/WATKINS, PHILADELPHIA, PHILADELPHIA COUNTY
263. RANK 43, COSTNER/STREET RD, WARMINSTER/WARRINGTON, BUCKS COUNTY
264. RANK 43, MAIN ST/SCHOOL LN, WEST NORRITON, MONTGOMERY COUNTY
265. RANK 43, WALNUT ST/NOBLE DR, HILLTOWN/SILVERDALE, BUCKS COUNTY
266. RANK 43, RISING SUN AV/SENTNER, PHILADELPHIA, PHILADELPHIA COUNTY
267. RANK 43, PASSYUNK AV/COLORADO/BOUVIER, PHILADELPHIA, PHILADELPHIA COUNTY
268. RANK 43, EIGHTH/WALNUT ST, NORTH WALES/UPPER GWYNEDD, MONTGOMERY COUNTY
269. RANK 43, LANSDOWNE AV/CARDINGTON RD, PHILADELPHIA, PHILADELPHIA COUNTY
270. RANK 43, BLAIR/DAUPHIN ST/TRENTON, PHILADELPHIA, PHILADELPHIA COUNTY
271. RANK 43, CENTRAL AV/HORSHAM RD, HORSHAM, MONTGOMERY COUNTY
272. RANK 43, KNIGHTS RD/MONROE, BENSLEM/PHILADELPHIA, PHILADELPHIA/BUCKS COUNTY
273. RANK 43, BIRCH/RIDGE PK, WHITEMARSH/PLYMOUTH, MONTGOMERY COUNTY
274. RANK 43, N BRISTOL OXFORD VALLEY RD/N OXFORD VALLEY RD, FALLS/ MIDDLETOWN, BUCKS COUNTY
275. RANK 43, SUMMIT/RIDGE PK, LOWER PROVIDENCE, MONTGOMERY COUNTY
276. RANK 43, CHRISTOPHER COLUMBUS BL/POPLAR ST/DELAWARE AV/POPLAR, PHILADELPHIA, PHILADELPHIA COUNTY
277. RANK 43, HENRY AV/VALLEY AV, PHILADELPHIA, PHILADELPHIA COUNTY
278. RANK 43, EASTON RD/CONNECTOR A, PLUMSTEAD, BUCKS COUNTY
279. RANK 43, CONCORD RD/BETHEL RD, CHESTER, DELAWARE COUNTY
280. RANK 43, MARLBOROUGH/WEST CHESTER PK/WEST TAYLOR/MARKET ST, MILLBOURNE/PHILADELPHIA/UPPER DARBY, DELAWARE/PHILADELPHIA COUNTY
281. RANK 43, OGONTZ AV/ROSELYN, PHILADELPHIA, PHILADELPHIA COUNTY
282. RANK 43, HORSESHOE PK/EDGES MILL RD, CALN, CHESTER COUNTY
283. RANK 43, GRANT AVE/ALTON, PHILADELPHIA, PHILADELPHIA COUNTY
284. RANK 43, DURHAM ST/CHELtenham AV, CHELTENHAM/PHILADELPHIA, MONTGOMERY/PHILADELPHIA COUNTY
285. RANK 43, TYLER/STREET RD, BENSLEM, BUCKS COUNTY
286. RANK 44, STAFFORD/CHEW AV, PHILADELPHIA, PHILADELPHIA COUNTY
287. RANK 45, PERCY/OREGON AV/HUTCHINSON, PHILADELPHIA, PHILADELPHIA COUNTY
288. RANK 46, ANDERSON AV/STATION, LOWER MERION, MONTGOMERY COUNTY
289. RANK 46, WATTS/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY
290. RANK 47, OREGON AV/WARNOCK, PHILADELPHIA, PHILADELPHIA COUNTY
291. RANK 47, HIGH ST/LACEY, WEST CHESTER, CHESTER COUNTY
292. RANK 48, FIFTY-SECOND ST/FILBERT, PHILADELPHIA, PHILADELPHIA COUNTY
293. RANK 48, FIFTY-THIRD/LANSDOWNE AV/LANCASTER AV, PHILADELPHIA, PHILADELPHIA COUNTY
294. RANK 49, KERSHAW/FIFTY-SECOND ST, PHILADELPHIA, PHILADELPHIA COUNTY
295. RANK 49, SAINT JAMES/CHANCELLOR/TWENTY-SECOND ST, PHILADELPHIA, PHILADELPHIA COUNTY
296. RANK 49, NICHOLAS/TWENTY-SECOND ST, PHILADELPHIA, PHILADELPHIA COUNTY
297. RANK 50, JUDSON/FOX ST, PHILADELPHIA, PHILADELPHIA COUNTY
298. RANK 50, W SILVER ST/GERMANTOWN AV, PHILADELPHIA, PHILADELPHIA COUNTY
299. RANK 50, EDMORE/HAVERFORD AV, PHILADELPHIA, PHILADELPHIA COUNTY
300. RANK 51, S RUBY/CHESTNUT ST, PHILADELPHIA, PHILADELPHIA COUNTY
301. RANK 51, LUDLOW/THIRTY-FOURTH ST, PHILADELPHIA, PHILADELPHIA COUNTY
302. RANK 51, SPRUCE ST/ALDEN, PHILADELPHIA, PHILADELPHIA COUNTY
303. RANK 51, RISING SUN AV/COURTLAND, PHILADELPHIA, PHILADELPHIA COUNTY

304. RANK 51, RIDGE AV/INDIAN QUEEN, PHILADELPHIA, PHILADELPHIA COUNTY

305. RANK 51, PASSYUNK AV/JUNIPER, PHILADELPHIA, PHILADELPHIA COUNTY

306. RANK 51, ASTOR/MAIN ST, NORRISTOWN, MONTGOMERY COUNTY

307. RANK 51, MAIN ST/PEARL, NORRISTOWN, MONTGOMERY COUNTY

308. RANK 51, CECIL/SPRUCE ST, PHILADELPHIA, PHILADELPHIA COUNTY

309. RANK 51, CRABTREE/ROWLAND AV, PHILADELPHIA, PHILADELPHIA COUNTY

310. RANK 52, WASHINGTON AV/ALDER, PHILADELPHIA, PHILADELPHIA COUNTY

311. RANK 52, FRONT ST/GURNEY, PHILADELPHIA, PHILADELPHIA COUNTY

312. RANK 52, OLNEY AV/UBER, PHILADELPHIA, PHILADELPHIA COUNTY

313. RANK 52, SEDGLEY AV/ELEVENTH/ALLEGHENY AV, PHILADELPHIA, PHILADELPHIA COUNTY

314. RANK 52, WASHINGTON LN/SEVENTY-SEVENTH, CHELTENHAM/PHILADELPHIA, MONTGOMERY/PHILADELPHIA COUNTY

315. RANK 52, RIDGE AV/BERKS/TANEY, PHILADELPHIA, PHILADELPHIA COUNTY

316. RANK 52, CHESTER PK/PRIMOS, SHARON HILL/GLENOLDEN/FOLCROFT, DELAWARE COUNTY

317. RANK 52, HIGH ST/NIELDS, WEST CHESTER, CHESTER COUNTY

318. RANK 52, ROOSEVELT BL/PENNWAY, PHILADELPHIA, PHILADELPHIA COUNTY

319. RANK 52, LEX/LANCASTER AV, PHILADELPHIA, PHILADELPHIA COUNTY

320. RANK 52, GRAYS FERRY AV/WOODLAND AV, PHILADELPHIA, PHILADELPHIA COUNTY

321. RANK 52, HARBISON AV/MAGEE, PHILADELPHIA, PHILADELPHIA COUNTY

322. RANK 52, RICHMOND/FRANKFORD AV, PHILADELPHIA, PHILADELPHIA COUNTY

323. RANK 52, ASHDALE/LINDLEY/SECOND, PHILADELPHIA, PHILADELPHIA COUNTY

324. RANK 52, WHITBY AV/FIFTY-THIRD, PHILADELPHIA, PHILADELPHIA COUNTY

325. RANK 52, BEULAH/OREGON AV, PHILADELPHIA, PHILADELPHIA COUNTY

326. RANK 52, REESE/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY

327. RANK 52, GERMANTOWN/GIRARD AV, PHILADELPHIA, PHILADELPHIA COUNTY

328. RANK 52, GAY/CONARROE/MAIN ST, PHILADELPHIA, PHILADELPHIA COUNTY

329. RANK 52, STENTON AV/SHARPNACK, PHILADELPHIA, PHILADELPHIA COUNTY

330. RANK 52, PEACH/CHESTNUT ST, PHILADELPHIA, PHILADELPHIA COUNTY

331. RANK 52, STENTON AV/NARRAGANSETT, PHILADELPHIA, PHILADELPHIA COUNTY

332. RANK 52, MAIN ST/LEVERING, PHILADELPHIA, PHILADELPHIA COUNTY

333. RANK 52, NINTH ST/GRACE, CHESTER, DELAWARE COUNTY

334. RANK 52, FIFTY-SECOND ST/STILES, PHILADELPHIA, PHILADELPHIA COUNTY

335. RANK 52, YEWDALL/CHESTNUT ST, PHILADELPHIA, PHILADELPHIA COUNTY

336. RANK 52, HORROCKS/RHAWN ST, PHILADELPHIA, PHILADELPHIA COUNTY

337. RANK 52, FIFTY-SECOND ST/HARLAN, PHILADELPHIA, PHILADELPHIA COUNTY

338. RANK 52, SALFORD/CHESTNUT ST, PHILADELPHIA, PHILADELPHIA COUNTY

339. RANK 52, MARSDEN/RHAWN ST, PHILADELPHIA, PHILADELPHIA COUNTY

340. RANK 52, SPRUCE ST/FELTON, PHILADELPHIA, PHILADELPHIA COUNTY

341. RANK 53, OLD LINCOLN HW/CARTER, BENSLEM, BUCKS COUNTY

342. RANK 53, FIFTY-SECOND ST/MEDIA, PHILADELPHIA, PHILADELPHIA COUNTY

343. RANK 53, RIDGE AV/GREEN, PHILADELPHIA, PHILADELPHIA COUNTY

344. RANK 53, RIDGE AV/JAMESTOWN, PHILADELPHIA, PHILADELPHIA COUNTY

345. RANK 53, ALDEN/CHESTNUT ST, PHILADELPHIA, PHILADELPHIA COUNTY

346. RANK 53, SEVENTH/ROOSEVELT BL, PHILADELPHIA, PHILADELPHIA COUNTY

347. RANK 53, MORTON AV/BLAKELY, CHESTER, DELAWARE COUNTY

348. RANK 53, MILDRED/OREGON AV/DARIEN, PHILADELPHIA, PHILADELPHIA COUNTY

349. RANK 53, MICHENER/MOUNT PLEASANT AV, PHILADELPHIA, PHILADELPHIA COUNTY

350. RANK 53, LEONARD/RHAWN ST, PHILADELPHIA, PHILADELPHIA COUNTY

351. RANK 53, WELSH/AVE OF THE STATES, CHESTER, DELAWARE COUNTY

352. RANK 53, ROBAT/RISING SUN AV, PHILADELPHIA, PHILADELPHIA COUNTY

353. RANK 53, REDFIELD/HAVERFORD AV, PHILADELPHIA, PHILADELPHIA COUNTY

354. RANK 53, CARLISLE/ALLEGHENY AV, PHILADELPHIA, PHILADELPHIA COUNTY

355. RANK 53, RITTENHOUSE ST/GERMANTOWN AV, PHILADELPHIA, PHILADELPHIA COUNTY

356. RANK 53, RIDGE AV/PENSDALE, PHILADELPHIA, PHILADELPHIA COUNTY

357. RANK 53, MAIN ST/WALNUT, LANSDALE, MONTGOMERY COUNTY

358. RANK 53, BYWOOD/MIDVALE, UPPER DARBY, DELAWARE COUNTY

359. RANK 53, PRICE/CHEW AV, PHILADELPHIA, PHILADELPHIA COUNTY

360. RANK 53, ERIE AV/TWENTY-FIRST, PHILADELPHIA, PHILADELPHIA COUNTY

361. RANK 53, ERIE AV/PARK, PHILADELPHIA, PHILADELPHIA COUNTY

362. RANK 53, NINETEENTH/OLNEY AV, PHILADELPHIA, PHILADELPHIA COUNTY

363. RANK 53, TEMPLE/MOUNT PLEASANT AV, PHILADELPHIA, PHILADELPHIA COUNTY

364. RANK 53, COLLINS/ALLEGHENY AV, PHILADELPHIA, PHILADELPHIA COUNTY

365. RANK 53, FIFTY-SECOND ST/RODMAN/HAZEL, PHILADELPHIA, PHILADELPHIA COUNTY

366. RANK 53, GERMANTOWN AV/ALDER, PHILADELPHIA, PHILADELPHIA COUNTY

367. RANK 53, KERBAUGH/GERMANTOWN AV, PHILADELPHIA, PHILADELPHIA COUNTY

368. RANK 53, SPRUCE ST/FRAZIER, PHILADELPHIA, PHILADELPHIA COUNTY

369. RANK 53, SPRUCE ST/ITHAN/FRAZIER, PHILADELPHIA, PHILADELPHIA COUNTY

370. RANK 53, RIDGE AV/KINGSLEY, PHILADELPHIA, PHILADELPHIA COUNTY

371. RANK 53, OLD HUNTINGDON PK/CEDAR RD, ABINGTON, MONTGOMERY COUNTY

372. RANK 53, GERMANTOWN AV/TWENTIETH, PHILADELPHIA, PHILADELPHIA COUNTY

373. RANK 54, PASSYUNK AV/WOODSTOCK, PHILADELPHIA, PHILADELPHIA COUNTY

374. RANK 54, WECCACOE/SNYDER AV, PHILADELPHIA, PHILADELPHIA COUNTY

375. RANK 54, FIFTY-SECOND/CITY AV/MAPLE, LOWER MERION/PHILADELPHIA, MONTGOMERY/PHILADELPHIA COUNTY

376. RANK 54, EDGMONT AV/TWENTIETH, CHESTER, DELAWARE COUNTY

377. RANK 54, PASSYUNK AV/TASKER ST/GREENWICH/CROSS/ELEVENTH, PHILADELPHIA, PHILADELPHIA COUNTY

378. RANK 54, E BRISTOL RD/BAILEY AVE, BENSalem/LOWER SOUTHAMPTON, BUCKS COUNTY

379. RANK 54, SEVENTH ST/CARPENTER/PASSYUNK, PHILADELPHIA, PHILADELPHIA COUNTY

380. RANK 54, KIMBALL/SEVENTH ST/PASSYUNK, PHILADELPHIA, PHILADELPHIA COUNTY

381. RANK 54, ALLEN/FRANKFORD AV, PHILADELPHIA, PHILADELPHIA COUNTY

382. RANK 54, PENN AVE/LIMEKILN PK, ABINGTON, MONTGOMERY COUNTY

383. RANK 54, DOCK ST/SECOND ST, PHILADELPHIA, PHILADELPHIA COUNTY

384. RANK 54, MONTGOMERY AV/BOWMAN/BROOKWAY, LOWER MERION,

#### MONTGOMERY COUNTY

385. RANK 54, GAY/CONARROE/LEVERING/CRESSON, PHILADELPHIA, PHILADELPHIA COUNTY

386. RANK 54, TORRESDALE AV/PAUL/SALEM, PHILADELPHIA, PHILADELPHIA COUNTY

387. RANK 54, WEST CHESTER PK/BERBRO, UPPER DARBY, DELAWARE COUNTY

388. RANK 54, KENSINGTON AV/FRANKFORD AV/WOMRATH, PHILADELPHIA, PHILADELPHIA COUNTY

389. RANK 54, CLEVELAND/OREGON AV, PHILADELPHIA, PHILADELPHIA COUNTY

390. RANK 54, FRONT ST/TUSCULUM, PHILADELPHIA, PHILADELPHIA COUNTY

391. RANK 54, OLD YORK RD/SUMMIT, HATBORO, MONTGOMERY COUNTY

392. RANK 54, LANSDOWNE/WEST CHESTER PK/DARBY RD/TENBY, HAVERFORD, DELAWARE COUNTY

393. RANK 54, SIMPSON/HAVERFORD AV/MARLYN, PHILADELPHIA, PHILADELPHIA COUNTY

394. RANK 54, RING/MAIN ST, PHILADELPHIA, PHILADELPHIA COUNTY

395. RANK 54, WASHINGTON AV/DORRANCE, PHILADELPHIA, PHILADELPHIA COUNTY

396. RANK 54, RIDGE AV/INGERSOLL, PHILADELPHIA, PHILADELPHIA COUNTY

397. RANK 54, PASSYUNK AV/CROSKEY, PHILADELPHIA, PHILADELPHIA COUNTY

398. RANK 54, STENTON AV/MCPHERSON, PHILADELPHIA, PHILADELPHIA COUNTY

399. RANK 54, FIFTY-SECOND ST/OGDEN, PHILADELPHIA, PHILADELPHIA COUNTY

400. RANK 54, STENTON AV/WOODBROOK, SPRINGFIELD/PHILADELPHIA, MONTGOMERY/PHILADELPHIA COUNTY

#### **Erie Area Transportation Study MPO**

1. RANK 1, GRANDVIEW/GRANDVIEW BL/PEACH ST, ERIE/MILLCREEK
2. RANK 2, TWENTYSIXTH ST/RUDOLPH/POST, ERIE
3. RANK 3, MEAD/HARDING/PEACH ST, ERIE
4. RANK 4, WOOD/THIRTYEIGHTH ST/PEACH ST, ERIE
5. RANK 5, BAYFRONT PARKWAY/SIXTH ST, ERIE
6. RANK 5, OAKDALE/SIXTH ST/WYOMING/LAKE RD, MILLCREEK
7. RANK 5, MAPLE/PEACH ST, ERIE
8. RANK 5, MAIN ST/PEARL, NORTH EAST



9. RANK 5, THIRTY-FOURTH/RICHLEY/PEACH ST, ERIE
10. RANK 6, THIRTY-FIRST/PEACH ST/MYRTLE, ERIE
11. RANK 6, MAIN ST/WEST, NORTH EAST
12. RANK 6, ORCHARD/PEACH ST, ERIE
13. RANK 6, SHUNPIKE/PEACH ST, ERIE
14. RANK 6, ASH/THIRTY-FOURTH/PINE AV/ASH ST, ERIE
15. RANK 6, RICE AV/MARTIN AV/MARTIN, LAKE CITY/GIRARD
16. RANK 7, HARPER/TWELFTH ST, MILLCREEK
17. RANK 8, WALKER/PEACH ST, ERIE
18. RANK 9, MERLINE/PEACH ST, ERIE
19. RANK 9, MARSH/PEACH ST, ERIE
20. RANK 9, HILBORN/TWELFTH ST, MILLCREEK
21. RANK 9, MECHANIC/SOUTH PARK ROW/MAIN ST, GIRARD
22. RANK 10, STATE ST/PERRY HW, ERIE
23. RANK 11, HILLCREST/BUFFALO RD, NORTH EAST
24. RANK 11, CLINTON/HILLCREST/BUFFALO RD, NORTH EAST
25. RANK 11, THIRTYEIGHTH ST/RILLING/AVERLON, ERIE
26. RANK 11, CLINTON/BUFFALO RD/PRIVATE, NORTH EAST
27. RANK 12, LEGION/TWENTYSIXTH ST, MILLCREEK
28. RANK 12, WASHINGTON ST/FIRST AV, CORRY
29. RANK 12, HALLEY/LAKE RD, LAWRENCE PARK
30. RANK 12, WAYNE/PINE AV, ERIE
31. RANK 12, HILLSDALE/PEACH ST, MILLCREEK
32. RANK 12, HILLCREST/PEACH ST, ERIE
33. RANK 13, MCKEE/RIDGE RD, MILLCREEK
34. RANK 13, HARTT/TWELFTH ST, MILLCREEK
35. RANK 13, CARRIE/PRIVATE/LAKE RD, HARBORCREEK
36. RANK 13, HARVEY/LAKE RD, LAWRENCE PARK
37. RANK 13, LAKE CLIFF/LAKE RD, LAWRENCE PARK
38. RANK 13, CHURCH ST/MAIN ST/LEMON, CORRY
39. RANK 13, FIFTYSIXTH/PEACH ST, MILLCREEK

40. RANK 13, WEST LAKE RD/WEST LAKE/MILLFAIR RD, MILLCREEK/FAIRVIEW

#### **Franklin County MPO**

1. RANK 1, JACK RD/WARM SPRING RD/HORST/SOCIAL ISLAND RD, HAMILTON
2. RANK 2, CLEVELAND/WAYNE AV, CHAMBERSBURG
3. RANK 2, BLACK GAP RD/MAIN ST/CHURCH, GREENE
4. RANK 2, WILLIAMSON RD/WALTER, GREENCASTLE
5. RANK 2, STATE HILL RD/FIFTH ST/CLAYTON AV, WAYNESBORO
6. RANK 2, STATE HILL RD/HOLLENGREEN/OLD MILL, WASHINGTON/WAYNESBORO
7. RANK 2, CEDAR/LOUDON ST, CHAMBERSBURG
8. RANK 2, DAWN/BLACK GAP RD, GREENE
9. RANK 2, BEARTOWN/BUCHANAN TR, WASHINGTON
10. RANK 2, ANTRIM WY/FINDLAY, GREENCASTLE
11. RANK 2, PIONEER DR/LINCOLN HW, ST THOMAS
12. RANK 2, SCHOOLHOUSE/ST THOMAS-WILLIAMSON RD/LINCOLN HW, ST THOMAS
13. RANK 2, ROLAND/SCOTLAND AV, CHAMBERSBURG
14. RANK 3, BRUMBAUGH/LINCOLN HW, GUILFORD/CHAMBERSBURG
15. RANK 3, CREE/WAYNE AV, CHAMBERSBURG
16. RANK 4, QUARRY/LINCOLN HW, GUILFORD
17. RANK 4, BUCHANAN TR/PEN MAR, WASHINGTON
18. RANK 4, MENTZER/BUCHANAN TR, WASHINGTON
19. RANK 5, CLEVELAND AV/MAIN ST, WAYNESBORO
20. RANK 6, ANTRIM WY/FRANKLIN, GREENCASTLE

#### **Harrisburg Area Transportation Study MPO**

1. RANK 1, PENN/HANOVER ST/FAIRGROUND, CARLISLE/NORTH MIDDLETON, CUMBERLAND COUNTY
2. RANK 2, MOUNTAIN RD/MOUNTAIN/LINGLESTOWN RD, LOWER PAXTON, DAUPHIN COUNTY
3. RANK 2, N PROGRESS AV/OLD THIRTYFOURTH, SUSQUEHANNA, DAUPHIN COUNTY
4. RANK 2, ALTOONA/DAUPHIN/ENOLA DR, EAST PENNSBORO, CUMBERLAND COUNTY

5. RANK 2, PAXTON ST/SYCAMORE ST/WISTER, SWATARA/HARRISBURG, DAUPHIN COUNTY
6. RANK 2, OLD SILVER SPRINGS/WALNUT ST/SILVER SPRING RD/EDGEWOOD/OLD SILVER SPRING, HAMPDEN/SILVER SPRING/MECHANICSBURG, CUMBERLAND COUNTY
7. RANK 3, EIGHTEENTH/SWATARA/DERRY ST, HARRISBURG, DAUPHIN COUNTY
8. RANK 4, GOODYEAR/GREENWOOD/DERRY ST, HARRISBURG, DAUPHIN COUNTY
9. RANK 4, TWENTYTHIRD/DERRY ST, HARRISBURG, DAUPHIN COUNTY
10. RANK 5, DOEHNE RD/N PROGRESS AV, LOWER PAXTON/SUSQUEHANNA, DAUPHIN COUNTY
11. RANK 6, COLEBROOK RD/HARRISBURG PK, LONDONDERRY, DAUPHIN COUNTY
12. RANK 6, GARLAND/WALNUT BOTTOM RD, CARLISLE/SOUTH MIDDLETON, CUMBERLAND COUNTY
13. RANK 7, FORSTER ST/SUSQUEHANNA, HARRISBURG, DAUPHIN COUNTY
14. RANK 8, CARLTON AV/PETERSBURG RD/YORK RD, CARLISLE/SOUTH MIDDLETON, CUMBERLAND COUNTY
15. RANK 8, VERNON/CROOKED/THIRTEENTH ST, HARRISBURG, DAUPHIN COUNTY
16. RANK 9, LOGAN/LINCOLN/THIRTYSECOND ST, EAST PENNSBORO/CAMP HILL, CUMBERLAND COUNTY
17. RANK 9, STATE ST/SEVENTH ST/WALNUT ST/SR 9105 SH, HARRISBURG, DAUPHIN COUNTY
18. RANK 9, THIRTYSIXTH/BRITTANY/ELMERTON AV, SUSQUEHANNA, DAUPHIN COUNTY
19. RANK 9, FRONT ST/GIBSON ST/CAMERON ST, STEELTON/SWATARA, DAUPHIN COUNTY
20. RANK 9, WINGATE/CARLISLE PK, HAMPDEN, CUMBERLAND COUNTY
21. RANK 9, RENAISSANCE/VERBEKE/FULTON/SAYFORD/SIXTH ST, HARRISBURG, DAUPHIN COUNTY
22. RANK 9, ORANGE ST/WALNUT BOTTOM RD, SHIPPENSBURG, CUMBERLAND COUNTY
23. RANK 9, NORTH/WALNUT ST/BRANDY LN, HAMPDEN/MECHANICSBURG, CUMBERLAND COUNTY
24. RANK 9, HIGH ST/POMFRET, CARLISLE/NORTH MIDDLETON, CUMBERLAND COUNTY
25. RANK 9, LOCUST LN/N PROGRESS AV, PENBROOK/SUSQUEHANNA, DAUPHIN COUNTY

26. RANK 9, ENOLA DR/FULTON, EAST PENNSBORO, CUMBERLAND COUNTY
27. RANK 10, ROYAL/PHEASANT/WESLEY DR, LOWER ALLEN, CUMBERLAND COUNTY
28. RANK 10, DONALD/CARLISLE PK, HAMPDEN, CUMBERLAND COUNTY
29. RANK 10, BRACKBILL/EAST/SILVER SPRING RD, HAMPDEN/SILVER SPRING, CUMBERLAND COUNTY
30. RANK 10, WESLEY DR/WESLEY, LOWER ALLEN, CUMBERLAND COUNTY
31. RANK 10, THIRD/WALNUT ST, WORMLEYSBURG, CUMBERLAND COUNTY
32. RANK 10, RIVER/WALNUT ST, WORMLEYSBURG, CUMBERLAND COUNTY
33. RANK 10, FRANKLIN/JONESTOWN RD, LOWER PAXTON/SUSQUEHANNA, DAUPHIN COUNTY
34. RANK 10, PRESBYTERIAN/SILVER SPRING RD, HAMPDEN/SILVER SPRING, CUMBERLAND COUNTY
35. RANK 10, VINE ST/SWATARA PARK, LOWER SWATARA/MIDDLETOWN/LONDONDERRY, DAUPHIN COUNTY
36. RANK 10, D/WAGGONERS GAP RD/B ST, CARLISLE/NORTH MIDDLETON, CUMBERLAND COUNTY
37. RANK 10, MEADOW/HOMESTEAD RD, DERRY, DAUPHIN COUNTY
38. RANK 10, JEFFREY/CARLISLE PK, HAMPDEN/SILVER SPRING, CUMBERLAND COUNTY
39. RANK 10, CALEDONIA/NINETEENTH ST, SWATARA/HARRISBURG, DAUPHIN COUNTY
40. RANK 10, N MARKET ST/INDUSTRIAL, LONDONDERRY/MOUNT JOY/WEST DONEGAL, DAUPHIN/LANCASTER COUNTY

#### **Lackawanna Luzerne Transportation Study MPO**

1. RANK, 1, FIRST ST/FIRST/WYOMING AV, WEST WYOMING/EXETER/WYOMING, LUZERNE COUNTY
2. RANK, 2, QUALITY/CHESTNUT ST, DUPONT, LUZERNE COUNTY
3. RANK, 3, PARK AND RIDE RD/SR 0247 SH, JESSUP, LACKAWANNA COUNTY
4. RANK, 3, OLD AIRPORT/MARINA/HUNTER HW/HILLSIDE DR, HAZLE, LUZERNE COUNTY
5. RANK, 4, WATSON/COLAN/MAIN AV/GARRETT, TAYLOR/SCRANTON, LACKAWANNA COUNTY
6. RANK, 5, NEW ST/WILKES-BARRE TWP BL/E NORTHAMPTON ST, WILKES-BARRE, LUZERNE COUNTY

7. RANK, 5, MCCULLOUGH/N RIVER ST/MARA/MAY, PLAINS, LUZERNE COUNTY
8. RANK, 6, CHURCH/MEMORIAL HW/CARVERTON RD/S MEMORIAL HW/MATHERS, KINGSTON, LUZERNE COUNTY
9. RANK, 6, MAIN AV/BUCKINGHAM, LUZERNE, LUZERNE COUNTY
10. RANK, 6, MAIN AV/WALNUT, LUZERNE, LUZERNE COUNTY
11. RANK, 6, CHURCH ST/MAIN ST/MEMORIAL HW/FOSTER, DALLAS, LUZERNE COUNTY
12. RANK, 6, ADAMS/JEFFERSON/ELECTRIC ST, DUNMORE/SCRANTON, LACKAWANNA COUNTY
13. RANK, 7, MEMORIAL HW/JOE PAG, LEHMAN/DALLAS, LUZERNE COUNTY
14. RANK, 7, JAMES A MUSTO BP/NORMAN/TEDRICK/LONE, PITTSTON, LUZERNE COUNTY
15. RANK, 7, RIDGE AV/OLD LAKE/IDETOWN RD/MEMORIAL HW, LEHMAN/HARVEYS LAKE, LUZERNE COUNTY
16. RANK, 7, MEMORIAL HW/ANNABELLE, HARVEYS LAKE, LUZERNE COUNTY
17. RANK, 7, WEST END/GOERINGER/CAREY AV/BRIDGE/VAN HORN/FIRST/WEST END RD, LARKSVILLE/HANOVER, LUZERNE COUNTY
18. RANK, 7, MOUNTAIN BL/ROBERTS, FAIRVIEW, LUZERNE COUNTY
19. RANK, 7, MOUNTAIN BL/MAIN, FAIRVIEW, LUZERNE COUNTY
20. RANK, 7, WEST GROVE/HILLSIDE DR/WINOLA RD, SOUTH ABINGTON, LACKAWANNA COUNTY
21. RANK, 7, JOYCE/BIRNEY AV, MOOSIC, LACKAWANNA COUNTY
22. RANK, 7, MOUNTAIN BL/BROWN, FAIRVIEW, LUZERNE COUNTY
23. RANK, 7, MOUNTAIN BL/WOODLAND RD, FAIRVIEW, LUZERNE COUNTY
24. RANK, 7, CHESTNUT ST/WYOMING, DUPONT, LUZERNE COUNTY
25. RANK, 7, MEMORIAL HW/FORTYSECOND ST, HARVEYS LAKE/LEHMAN/DALLAS, LUZERNE COUNTY
26. RANK, 7, BRIARCREST/MEMORIAL HW, LEHMAN/DALLAS, LUZERNE COUNTY
27. RANK, 7, SCRANTON-CARBONDALE HW/SCOTT RD, BLAKELY, LACKAWANNA COUNTY
28. RANK, 7, COUNTRY CLUB RD/MEMORIAL HW, LEHMAN/DALLAS, LUZERNE COUNTY
29. RANK, 7, MAIN ST/CHESTNUT ST/LACKAWANNA, DUPONT, LUZERNE COUNTY
30. RANK, 7, SR 0247 SH/MYLERT, JESSUP, LACKAWANNA COUNTY
31. RANK, 7, SR 0247 SH/COURT, JESSUP, LACKAWANNA COUNTY
32. RANK, 7, RUTTER/WELLES ST/RUTTER AV/RUTTER AVE, KINGSTON/FORTY FORT, LUZERNE COUNTY
33. RANK, 7, HILLSIDE/CHESTNUT ST, DUPONT, LUZERNE COUNTY
34. RANK, 7, JUSTOFIN/BERWICK-HAZLETON HW, CONYNGHAM/SUGARLOAF, LUZERNE COUNTY
35. RANK, 7, ELM/CHESTNUT ST, DUPONT, LUZERNE COUNTY
36. RANK, 7, LACKAWANNA AV/POPLAR ST/POPLAR/HUCHINGTON, MAYFIELD, LACKAWANNA COUNTY
37. RANK, 7, SAN SOUCI TRAILER/SANS SOUCI PY/LINCOLN, HANOVER, LUZERNE COUNTY
38. RANK, 7, FOOTHILLS/HUNTER HW, BUTLER, LUZERNE COUNTY
39. RANK, 7, BUTLER DR/LAUREL, BUTLER, LUZERNE COUNTY
40. RANK, 7, ANN/N RIVER ST/POPLAR/GALLAGHER, PLAINS, LUZERNE COUNTY

#### **Lancaster County Transportation Study MPO**

1. RANK 1, OAK/SEVENTH ST, EPHRATA/AKRON
2. RANK 2, MAIN ST/PEARL, MOUNTVILLE
3. RANK 3, OLD PHILADELPHIA PK/CONNECTOR, EAST LAMPETER
4. RANK 3, EBY/LANCASTER RD/FRUITVILLE PK, PENN/MANHEIM
5. RANK 3, CIRCLE ROCK/SEVENTH ST/HILLTOP, WEST EARL/AKRON/EPHRATA
6. RANK 3, STATE ST/ELEVENTH, EPHRATA/AKRON
7. RANK 3, WILLOW STREET PK/KREIDER, WEST LAMPETER
8. RANK 3, COLUMBIA AV, EAST HEMPFIELD/MANOR
9. RANK 3, LANCASTER RD/BECKER/LITITZ, EAST HEMPFIELD/PENN
10. RANK 3, GABLE PARK/MILLERSVILLE PK, MILLERSVILLE/LANCASTER
11. RANK 3, BENTLEY/MILLERSVILLE PK, MILLERSVILLE/LANCASTER
12. RANK 3, SEVENTH ST/NINTH, EPHRATA/AKRON
13. RANK 3, SERVICE/MANHEIM PK/LOOP, MANHEIM/LANCASTER
14. RANK 3, LEACOCK/PARADISE/HERSHEY/LINCOLN HW, LEACOCK/PARADISE
15. RANK 3, STONY BATTERY/MARIETTA AV, EAST HEMPFIELD/WEST HEMPFIELD
16. RANK 3, MARKET ST, ELIZABETHTOWN/WEST DONEGAL
17. RANK 3, COPPERFIELD/FURNACE HILLS PK/PRIVATE RD, WARWICK



18. RANK 3, RIVER RD/KLINESVILLE/CARDINAL, WEST HEMPFIELD
19. RANK 3, OAK RIDGE/MAIN ST, EAST HEMPFIELD/WEST HEMPFIELD/MANOR
20. RANK 3, RIVER RD/PRIVATE RD, WEST HEMPFIELD
21. RANK 4, ORANGE ST/MARIETTA AV/CORAL, LANCASTER
22. RANK 4, WILLOW STREET PK/WEST WILLOW, WEST LAMPETER
23. RANK 4, PARK CIRCLE/COLUMBIA AV, EAST HEMPFIELD/MANOR
24. RANK 5, WHISPER/MAIN ST, NEW HOLLAND
25. RANK 5, PRINCETON/OLD COLUMBIA/COLUMBIA AV, EAST HEMPFIELD/LANCASTER/MANOR
26. RANK 5, ROBIN/MARIETTA AV, EAST HEMPFIELD
27. RANK 5, SHELLEY/OLD PHILADELPHIA PK, EAST LAMPETER
28. RANK 5, RIVER RD/PROSPECT, EAST DONEGAL/MARIETTA
29. RANK 6, QUEEN ST/HIGHLAND AV, LANCASTER
30. RANK 6, MAIN ST/PARK, MT JOY
31. RANK 7, N MARKET ST/PRIVATE RD/STONE, ELIZABETHTOWN
32. RANK 7, CHESTNUT ST/MARSHALL, LANCASTER
33. RANK 7, OLD COLUMBIA/COLUMBIA AV/CORNELL, EAST HEMPFIELD/LANCASTER/MANOR
34. RANK 7, KING ST/SHIPPEN/CHURCH, LANCASTER
35. RANK 7, RESERVOIR/CHESTNUT ST, LANCASTER
36. RANK 7, HOWARD/STRAWBERRY/QUEEN ST, LANCASTER
37. RANK 8, LITITZ PK/BLOOMINGDALE, MANHEIM
38. RANK 8, SAVO/LITITZ PK, MANHEIM
39. RANK 8, MAIN ST/HOLLY, UPPER LEACOCK
40. RANK 8, MADGE/COLUMBIA AV, EAST HEMPFIELD/MANOR

#### **Lebanon County MPO**

1. RANK 1, OLD ROUTE 22 RT/MILL/MARKET ST, JONESTOWN/SWATARA
2. RANK 2, PENN AV/CUMBERLAND ST/TWENTYFIFTH ST, WEST LEBANON/NORTH LEBANON/NORTH CORNWALL
3. RANK 3, PENN AV/DAIRY, NORTH LEBANON/CLEONA/NORTH CORNWALL
4. RANK 3, HORSESHOE PK/SCHOOL HOUSE RD, SOUTH LONDONDERRY
5. RANK 3, NORTH/RAILROAD ST, PALMYRA

6. RANK 3, PENN AV/ELIZABETH, NORTH LEBANON/CLEONA/NORTH CORNWALL
7. RANK 3, EIGHTH AV/CUMBERLAND ST/WALNUT ST, NORTH LEBANON/SOUTH LEBANON/LEBANON
8. RANK 4, HORST/GRACE AV, NORTH LEBANON/SWATARA
9. RANK 4, JUNIPER/CORNWALL RD/NORTH CORNWALL, CORNWALL
10. RANK 4, MOUNTVILLE/EBENEZER RD/CENTER, SWATARA
11. RANK 4, LINGLE AV/NORTHSIDE, SOUTH LONDONDERRY
12. RANK 4, CAMPBELLTOWN RD/COLLEGE, NORTH LONDONDERRY/PALMYRA
13. RANK 4, MINE/FIFTH AV/EVERGREEN RD, SOUTH LEBANON
14. RANK 4, ELM/CAMPBELLTOWN RD, NORTH LONDONDERRY/PALMYRA
15. RANK 4, FORGE RD/NORTHSIDE/CONNECTOR, SOUTH LONDONDERRY
16. RANK 4, LEON/FORGE RD/PARK, NORTH LONDONDERRY/PALMYRA
17. RANK 4, QUENTIN RD/TUCK, NORTH CORNWALL
18. RANK 4, LINCOLN AV/OLD CANAL/MAPLE ST, LEBANON
19. RANK 4, KLEIN AV/FIFTH AV, SOUTH LEBANON/LEBANON
20. RANK 4, METRO/FIFTH AV, SOUTH LEBANON/LEBANON

#### **Lehigh Valley Transportation Study MPO**

1. RANK 1, SEVENTH/CHURCH/PEARL ST, EASTON, NORTHAMPTON COUNTY
2. RANK 2, WASHINGTON ST/LEHIGH DR/FOURTH/LARRY HOLMES DR, EASTON, NORTHAMPTON COUNTY
3. RANK 3, STEFKO BL/BOYD/STANHOPE, BETHLEHEM, NORTHAMPTON COUNTY
4. RANK 3, GREEN/CEDAR CREST BL, EMMAUS/UPPER MILFORD, LEHIGH COUNTY
5. RANK 4, FOURTH ST/WABASH, ALLENTOWN, LEHIGH COUNTY
6. RANK 4, GREENWOOD/SCHOENERSVILLE RD, HANOVER/BETHLEHEM, LEHIGH/NORTHAMPTON COUNTY
7. RANK 4, LEHIGH PARKWAY SOUTH/JEFFERSON ST/LEHIGH PARKWAY EAST/PARK, ALLENTOWN, LEHIGH COUNTY
8. RANK 4, SCHOENERSVILLE RD/JACKSONVILLE RD, HANOVER/BETHLEHEM, LEHIGH/NORTHAMPTON COUNTY
9. RANK 4, SANTEE/EASTON AV, BETHLEHEM, NORTHAMPTON COUNTY
10. RANK 4, EASTON AV/FALMER, BETHLEHEM, NORTHAMPTON COUNTY
11. RANK 4, CHIPMAN/WILLIAM PENN HW/WILLIAM PENN/OHIO, BETHLEHEM, NORTHAMPTON COUNTY

12. RANK 5, LINE ST/PHILADELPHIA RD/INDUSTRIAL, WILLIAMS/EASTON, NORTHAMPTON COUNTY
13. RANK 5, FOURTH ST/DIXON, ALLENTOWN, LEHIGH COUNTY
14. RANK 5, KESSLERSVILLE RD/SULLIVAN TR/KESSLERSVILLE, FORKS, NORTHAMPTON COUNTY
15. RANK 5, EASTON AV/WASHINGTON/REDWOOD, BETHLEHEM, NORTHAMPTON COUNTY
16. RANK 5, PHILADELPHIA RD/GRANT ST/DAVIS/GRANT, WILLIAMS/EASTON, NORTHAMPTON COUNTY
17. RANK 5, NORTHAMPTON ST/FERRY, WILSON, NORTHAMPTON COUNTY
18. RANK 5, PHILADELPHIA RD/WILLIAMS/SEITZ, WILLIAMS/EASTON, NORTHAMPTON COUNTY
19. RANK 5, FIFTH/EASTON AV, BETHLEHEM, NORTHAMPTON COUNTY
20. RANK 5, ZELLNER/MAIN ST, SLATINGTON/WASHINGTON, LEHIGH COUNTY
21. RANK 5, MOUNT AIRY/UNION BL/ROSE, BETHLEHEM, LEHIGH COUNTY
22. RANK 5, EASTON AV/WEST/RENNICK, BETHLEHEM, NORTHAMPTON COUNTY
23. RANK 5, HOWARD/CUMBERLAND/LEHIGH ST, ALLENTOWN, LEHIGH COUNTY
24. RANK 5, EAST BL/LINDEN ST, BETHLEHEM, NORTHAMPTON COUNTY
25. RANK 5, ELM/DELLWOOD/BROAD ST, BETHLEHEM, NORTHAMPTON COUNTY
26. RANK 5, EASTON AV/CAMPBELL, BETHLEHEM, NORTHAMPTON COUNTY
27. RANK 5, SULLIVAN TR/CHURCH/FORKS CHURCH, STOCKERTOWN/FORKS, NORTHAMPTON COUNTY
28. RANK 5, EASTON AV/MAJOR, BETHLEHEM, NORTHAMPTON COUNTY
29. RANK 5, KELCHNER/EASTON AV, BETHLEHEM, NORTHAMPTON COUNTY
30. RANK 5, LINDBERGH/CLUB/CEDAR CREST BL/LINDBERG, SALISBURY/SOUTH WHITEHALL, LEHIGH COUNTY
31. RANK 5, COLLEGE HEIGHTS/TILGHMAN ST, ALLENTOWN, LEHIGH COUNTY
32. RANK 5, ARIEL/MAIN ST, STOCKERTOWN/PLAINFIELD, NORTHAMPTON COUNTY
33. RANK 5, HECKTOWN RD/EASTON AV, BETHLEHEM, NORTHAMPTON COUNTY
34. RANK 5, ELM/RIDGE/FREEMANSBURG AV, WILSON/WEST EASTON, NORTHAMPTON COUNTY
35. RANK 6, TILGHMAN ST/AMERICAN PARKWAY, ALLENTOWN, LEHIGH COUNTY
36. RANK 7, TENTH/RACE ST/TENTH ST, CATASAUQUA, LEHIGH COUNTY
37. RANK 7, LEHIGH AV/A, WIND GAP/PLAINFIELD, NORTHAMPTON COUNTY

38. RANK 7, NAZARETH PK/CHRISTIAN SPRING, BETHLEHEM, NORTHAMPTON COUNTY
39. RANK 7, PEARL/RACE ST/TENTH ST, CATASAUQUA, LEHIGH COUNTY
40. RANK 7, EMMAUS AV/EIGHTH, ALLENTOWN, LEHIGH COUNTY

#### **North Central PA Regional Planning and Development Commission RPO**

1. RANK 1, MAIN ST/PINE/MARILYN HORNE WAY, BRADFORD, MCKEAN COUNTY
2. RANK 2, RIDGE AV/JENKS AV/CLARK ST, PUNXSUTAWNEY, JEFFERSON COUNTY
3. RANK 3, RIDGE AV/ELK RUN AV, PUNXSUTAWNEY, JEFFERSON COUNTY
4. RANK 3, FIRST/DUBOIS AV, DUBOIS, CLEARFIELD COUNTY
5. RANK 3, ERIE/BRUSSELLES ST/MARKET/GENERAL EDWARD MEYER BL/DEPOT/LAFAYETTE, ST MARYS, ELK COUNTY
6. RANK 4, WOODLAND RD/KURTZ, BRADFORD/LAWRENCE, CLEARFIELD COUNTY
7. RANK 4, SLAB RUN RD/SR 9111 SH, SANDY, CLEARFIELD COUNTY
8. RANK 4, LINCOLN/BUFFALO PITTSBURGH HW, SANDY, CLEARFIELD COUNTY
9. RANK 4, INDIANA ST/MAPLE/ALTMAN AV ET, PUNXSUTAWNEY, JEFFERSON COUNTY
10. RANK 4, DELAWARE/OLD STATE RT 219/DUBOIS AV, DUBOIS/SANDY, CLEARFIELD COUNTY
11. RANK 4, DELAWARE/DUBOIS AV, DUBOIS/SANDY, CLEARFIELD COUNTY
12. RANK 4, OLD STATE RT 219/DUBOIS AV, DUBOIS/SANDY, CLEARFIELD COUNTY
13. RANK 4, GILPIN/INDIANA ST/GILPIN ST, PUNXSUTAWNEY, JEFFERSON COUNTY
14. RANK 4, RIDGE AV/CLARK, PUNXSUTAWNEY, JEFFERSON COUNTY
15. RANK 4, TROUT RUN RD/ROSELY/BRUSSELLES ST, ST MARYS, ELK COUNTY
16. RANK 4, JOHNSON/WALTON ST/SCOTT/SR 0053 SH, DECATUR/CHESTER HILL, CLEARFIELD COUNTY
17. RANK 4, WOODLAND RD/DECATUR HILL, DECATUR, CLEARFIELD COUNTY
18. RANK 4, BIGLER AV/DAISY, CLEARFIELD, CLEARFIELD COUNTY
19. RANK 4, WOODLAND RD/PLEASANT HILL RD, DECATUR, CLEARFIELD COUNTY
20. RANK 4, HORTON/HUDSON/SR 0053 SH, DECATUR/RUSH, CLEARFIELD/CENTRE COUNTY

#### **Northeastern Pennsylvania Alliance MPO**

1. RANK 1, PARK AV/CLUB/BRYANT, STROUDSBURG, MONROE COUNTY

2. RANK 1, PIKE/ROSE/MARKET ST, PORT CARBON/EAST NORWEGIAN, SCHUYLKILL COUNTY
3. RANK 1, CENTRE ST/GOLDEN BEAR/SR 0054 SH, MAHANOEY/MAHANOEY CITY, SCHUYLKILL COUNTY
4. RANK 1, WARING/SR 0611 SH/MAIN ST/MOUNTAIN/DELAWARE, DELAWARE WATER GAP, MONROE COUNTY
5. RANK 1, SR 0611 SH/CAYUGA/LAUREL, COOLBAUGH, MONROE COUNTY
6. RANK 1, ACRE/SOUTH COAL ST, PORT CARBON/PALO ALTO, SCHUYLKILL COUNTY
7. RANK 1, SOUTH COAL ST/WEIGAND BL/S COAL ST, PORT CARBON/PALO ALTO, SCHUYLKILL COUNTY
8. RANK 2, LEHIGH AV/SPRUCE, FRACKVILLE/WEST MAHANOEY, SCHUYLKILL COUNTY
9. RANK 2, KNOB/POCONO BL/FORK, MT POCONO, MONROE COUNTY
10. RANK 2, BROAD ST/LAUREL, TAMAQUA, SCHUYLKILL COUNTY
11. RANK 3, LEHIGH/SR 0209 SH/BROAD ST/LEHIGH ST, TAMAQUA, SCHUYLKILL COUNTY
12. RANK 3, BROADWAY ST/ALPHA/EIGHTH, WIND GAP/ROSS/PLAINFIELD/HAMILTON, MONROE/NORTHAMPTON COUNTY
13. RANK 3, MOUNT HOPE/WALTER GRIFFITH/MOUNT HOPE AV/WALTER GRIFFITH AV, POTTSVILLE, SCHUYLKILL COUNTY
14. RANK 3, CONSTITUTION AV/CUMMINS HILL RD/PHILLIPS, WESTFALL, PIKE COUNTY
15. RANK 3, LEHIGH AV/CHESTNUT, FRACKVILLE, SCHUYLKILL COUNTY
16. RANK 3, ELM/WEST MAIN ST, STROUDSBURG, MONROE COUNTY
17. RANK 3, PARK AV/BANK, STROUDSBURG, MONROE COUNTY
18. RANK 3, TWENTYTHIRD ST/MARKET ST, POTTSVILLE, SCHUYLKILL COUNTY
19. RANK 3, FOURTH/MARKET ST, PORT CARBON/EAST NORWEGIAN, SCHUYLKILL COUNTY
20. RANK 4, PARK AV/CLERMONT, STROUDSBURG, MONROE COUNTY
21. RANK 4, BUNTING ST/PINE/CHESTNUT/SUNDAY, BRANCH, SCHUYLKILL COUNTY
22. RANK 4, SECOND ST, SAINT CLAIR, SCHUYLKILL COUNTY
23. RANK 4, BROAD ST/SPRING, BUTLER, SCHUYLKILL COUNTY
24. RANK 4, CHURCH/SR 0054 SH, MAHANOEY, SCHUYLKILL COUNTY

25. RANK 4, STRAUB/MARKET ST, ORWIGSBURG, SCHUYLKILL COUNTY
26. RANK 4, TWENTYSECOND/MARKET ST, POTTSVILLE, SCHUYLKILL COUNTY
27. RANK 4, SR 0209 SH/CATAWISSA, TAMAQUA/SCHUYLKILL, SCHUYLKILL COUNTY
28. RANK 4, NORTH NINTH ST/RADIO, STROUD, MONROE COUNTY
29. RANK 4, MANOR DR/SR 0611 SH, POCONO, MONROE COUNTY
30. RANK 4, MAIN ST/COLUMBIA ST, SCHUYLKILL HAVEN, SCHUYLKILL COUNTY
31. RANK 4, JULIA/MAIN ST, GIRARDVILLE/BUTLER, SCHUYLKILL COUNTY
32. RANK 4, MAIN ST/SILVER, GIRARDVILLE, SCHUYLKILL COUNTY
33. RANK 4, JOHN/MAIN ST, GIRARDVILLE, SCHUYLKILL COUNTY
34. RANK 4, PINE HILL/STERLING RD, MT POCONO/COOLBAUGH, MONROE COUNTY
35. RANK 4, POTTSVILLE ST/PIKE, PORT CARBON, SCHUYLKILL COUNTY
36. RANK 4, POTTSVILLE ST/COMMERCE, PORT CARBON, SCHUYLKILL COUNTY
37. RANK 4, BROADWAY ST/TENTH/CONSTITUTION, WIND GAP/ROSS/PLAINFIELD/HAMILTON, MONROE/NORTHAMPTON COUNTY
38. RANK 4, WHITE ST/FORGE, BOWMANSTOWN, CARBON COUNTY
39. RANK 4, COLUMBIA/S PARKWAY DR/N PARKWAY DR/PARKWAY AV/COLUMBIA ST, SCHUYLKILL HAVEN, SCHUYLKILL COUNTY
40. RANK 4, CATAWISSA ST/ALLEN, NESQUEHONING, CARBON COUNTY

#### **Northern Tier Regional Planning and Development Commission RPO**

1. RANK 1, ELMIRA ST/BRESSLER, ATHENS, BRADFORD COUNTY
2. RANK 1, HERRICK/ELMIRA ST, ATHENS, BRADFORD COUNTY
3. RANK 1, ELMIRA ST/JUDGE HERRICK/MAIN ST/ELM/LOCUST, ATHENS, BRADFORD COUNTY
4. RANK 2, MAIN ST/SOUTH ST, FOREST CITY/VANDLING, LACKAWANNA/SUSQUEHANNA COUNTY
5. RANK 3, ELMIRA ST/MCDUFFEE ST, ATHENS, BRADFORD COUNTY
6. RANK 4, WESTBROOK/ELMIRA ST, ATHENS, BRADFORD COUNTY
7. RANK 4, EDWARD/MAIN ST, ATHENS, BRADFORD COUNTY
8. RANK 4, UPPER NORTH MAIN/COON/MAIN ST/LOWER NORTH MAIN, FOREST CITY, SUSQUEHANNA COUNTY
9. RANK 4, FRONT ST/GLEN VALLEY RD, ATHENS, BRADFORD COUNTY
10. RANK 4, FRONT ST/RIVERSIDE DR/SHESEQUIN RD, ATHENS, BRADFORD



COUNTY

11. RANK 4, FRONT ST/SUSQUEHANNA ST/GLEN VALLEY RD, ATHENS, BRADFORD COUNTY
12. RANK 4, LAKESIDE DR/KUNKLE RD/BEAUMONT HILL RD, MONROE/HARVEYS LAKE, LUZERNE/WYOMING COUNTY
13. RANK 4, TANNERY/SR 0199 SH, ATHENS, BRADFORD COUNTY
14. RANK 4, FRONT ST/EAGLEWOOD, ATHENS, BRADFORD COUNTY
15. RANK 4, KEYSTONE AV/COLLEGE HILL/CHEMUNG/HOPKINS, SAYRE, BRADFORD COUNTY
16. RANK 4, CLINTON/ELMIRA ST, ATHENS, BRADFORD COUNTY
17. RANK 4, MAIN/MAIN ST/SR 0199 SH, ATHENS, BRADFORD COUNTY
18. RANK 4, SR 0006 SH/CHRISTY MATHEWSON HW/COLLEGE AV, CLINTON/FACTORYVILLE, WYOMING COUNTY
19. RANK 4, WINSLOW/ELMIRA ST, ATHENS, BRADFORD COUNTY
20. RANK 4, SR 0006 SH/CHRISTY MATHEWSON HW/DEPOT, LA PLUME/CLINTON/FACTORYVILLE, LACKAWANNA/WYOMING COUNTY

**Northwest RPO**

1. RANK 1, DIAMOND PARK SQ/MAIN ST/CHESTNUT ST, MEADVILLE, CRAWFORD COUNTY
2. RANK 2, DIAMOND PARK SQ/MAIN ST/WALNUT, MEADVILLE, CRAWFORD COUNTY
3. RANK 3, MERCER RD/TINGLEY/FIFTEENTH ST, SANDYCREEK/FRANKLIN, VENANGO COUNTY
4. RANK 3, PLUMMER ST/NO NAME/BISSELL, OIL CITY, VENANGO COUNTY
5. RANK 3, SALINA RD/QUAKER, CRANBERRY, VENANGO COUNTY
6. RANK 3, CREE/DUNHAM RD, VERNON, CRAWFORD COUNTY
7. RANK 3, MAIN ST/COCHRANTON RD/CLARK, MEADVILLE/WEST MEAD, CRAWFORD COUNTY
8. RANK 3, OLD ROUTE 322/TWENTYEIGHTH DIVISION HW, CLARION, CLARION COUNTY
9. RANK 3, FAIRMONT/POPLAR ST, MEADVILLE, CRAWFORD COUNTY
10. RANK 3, FOURTH/ALLEGHENY BL, SUGARCREEK, VENANGO COUNTY
11. RANK 3, SOUTH ST/PARK AV ET, SAEGERTOWN, CRAWFORD COUNTY
12. RANK 3, SALINA RD/INNIS ST EXT/WEST, CRANBERRY, VENANGO COUNTY

13. RANK 3, ARCH/CHARLTON/ALDEN ST, MEADVILLE/WEST MEAD, CRAWFORD COUNTY
14. RANK 3, POPLAR ST/GROVE ST, MEADVILLE, CRAWFORD COUNTY
15. RANK 3, WESTVIEW/BALDWIN ST, MEADVILLE, CRAWFORD COUNTY
16. RANK 3, DIAMOND PARK SQ/CHERRY, MEADVILLE, CRAWFORD COUNTY
17. RANK 3, MAIN ST/SENECA ST, CORNPLANTER/OIL CITY, VENANGO COUNTY
18. RANK 3, PARK AV/PARK/FRENCH CREEK PY, MEADVILLE, CRAWFORD COUNTY
19. RANK 3, GRANT/SOUTH ST, SAEGERTOWN, CRAWFORD COUNTY
20. RANK 3, STATE ST/FOURTH/HIGH, CONNEAUT LAKE, CRAWFORD COUNTY

**Reading Area Transportation Study MPO**

1. RANK 1, TWELFTH/FRANKLIN ST/ELEVENTH ST/HILL RD, READING
2. RANK 2, TWENTYTHIRD ST/HOWARD BL/PERKIOMEN AV/FERN/GRANT/TWENTYTHIRD, MT PENN
3. RANK 3, PENN AV/SHILLINGTON RD, SPRING/SINKING SPRING
4. RANK 3, WILDERNESS/CABELA DR, TILDEN
5. RANK 3, THIRTYFOURTH/BUSINESS 0422/PERKIOMEN, EXETER/ST LAWRENCE
6. RANK 3, HIGH BL/HIGH/PHILADELPHIA AV, CUMRU
7. RANK 3, MIFFLIN BL/PHILADELPHIA AV, CUMRU/KENHORST/SHILLINGTON
8. RANK 3, BERKLEY PARK/POTTSVILLE PK, ONTELAUNEE
9. RANK 3, FIFTH ST/ELIZABETH AV, LAURELDALE/MUHLENBERG
10. RANK 3, FRAVER/AUDREY/FIFTH ST, READING/MUHLENBERG
11. RANK 4, AVENUE B/SCHUYLKILL AV, READING/BERN
12. RANK 5, MCCLELLAN/EAST WYOMISSING BL, READING
13. RANK 5, EUCLID/ALLENTOWN PK/FIFTH ST, MUHLENBERG
14. RANK 5, CONRAD WEISER PY/MILL, WOMELSDORF
15. RANK 5, BIRCH HILL/SHOEMAKER AV/POTTSVILLE PK, PERRY
16. RANK 5, DANIELS/NEW HOLLAND RD/UPLAND AV, READING/KENHORST
17. RANK 5, NORTH FOURTH ST/FRANKLIN/SOUTH FOURTH ST/PORT CLINTON, HAMBURG
18. RANK 6, PENN AV/CHURCH ST/CHURCH, ROBESONIA
19. RANK 6, HAMPDEN BL/HAMPDEN PARK/MARION, READING
20. RANK 6, HAMPDEN BL/HAMPDEN PARK/FOURTEENTH, READING

21. RANK 6, MORGANTOWN RD/EBERLY, READING
22. RANK 6, CENTRE AV/FIFTH ST/WOODWARD, READING
23. RANK 6, KUTZTOWN RD/TUCKERTON RD, MUHLENBERG
24. RANK 6, PENN AV/GEORGE/BERN/FAIRVIEW, WYOMISSING/WEST READING
25. RANK 6, KUTZTOWN RD/MARGARET, LAURELDALE/MUHLENBERG
26. RANK 6, SPRING VALLEY RD/WARREN, MUHLENBERG
27. RANK 6, DIVISION/KENHORST BL, READING/KENHORST
28. RANK 6, COLUMBIA/SCHUYLKILL AV, READING/BERN
29. RANK 6, PENN AV/TELFORD, SPRING
30. RANK 6, SCHUYLKILL AV, BERN
31. RANK 7, GABRIELLA/OLD TOPTON RD, LONGSWAMP
32. RANK 7, BRIDGE VIEW/GIBRALTAR RD, ROBESON/EXETER
33. RANK 7, AVENUE A/SCHUYLKILL AV, READING/BERN
34. RANK 7, BEECH/MAIN/FLEETWOOD AV, FLEETWOOD
35. RANK 7, MERCER/SCHUYLKILL AV, READING/BERN
36. RANK 7, HAMPDEN BL/ROCKLAND, READING/MUHLENBERG
37. RANK 7, HAMPDEN BL/RICHMOND/COLLEGE AV, READING/MUHLENBERG
38. RANK 7, SOUTH TEMPLE/KUTZTOWN RD, LAURELDALE/MUHLENBERG
39. RANK 7, HAMPDEN BL/BERKS, READING/MUHLENBERG
40. RANK 7, S TULPEHOCKEN/SCHUYLKILL AV/BERNVILLE RD, BERN

#### **SEDA-Council of Governments MPO**

1. RANK 1, WATER ST/MAIN ST/ISLAND ROUTE RD/CLARKS BARN, CASTANEA/ WOODWARD/LOCK HAVEN, CLINTON COUNTY
2. RANK 1, SR 0061 SH/VINE/COMMERCE, SHAMOKIN, NORTHUMBERLAND COUNTY
3. RANK 1, EAST PARK/WALNUT ST/LIBERTY/LIBERTY ST/WALNUT, LOCK HAVEN, CLINTON COUNTY
4. RANK 2, FRANKLIN/TENTH/SHAMOKIN ST/FRANKLIN AV, ZERBE, NORTHUMBERLAND COUNTY
5. RANK 2, LINDEN/LOCUST GAP HWY/SIXTH/HIGHWAY, MT CARMEL, NORTHUMBERLAND COUNTY
6. RANK 2, HOSPITAL RD/KELLEY, COAL, NORTHUMBERLAND COUNTY

7. RANK 2, SEVENTH/MATLOCK/BUFFALO RD/TENTH, EAST BUFFALO/ LEWISBURG, UNION COUNTY
8. RANK 2, SR 0093 SH/BRIAR CREST/RED ROCK, BRIAR CREEK, COLUMBIA COUNTY
9. RANK 2, MILL RD/EASY, MONROE, SNYDER COUNTY
10. RANK 2, HIGH ST/IRWIN/FREDERICK, LOCK HAVEN, CLINTON COUNTY
11. RANK 2, LOCUST GAP HWY/THIRD ST/BIRCH, MT CARMEL/MOUNT CARMEL, NORTHUMBERLAND COUNTY
12. RANK 2, SEVENTH ST/S HICKORY ST/MT CARMEL-MERRIAM HW, MOUNT CARMEL, NORTHUMBERLAND COUNTY
13. RANK 2, SR 0061 SH/CENTER ST, COAL, NORTHUMBERLAND COUNTY
14. RANK 2, PAUL MACK BL/WALNUT ST, CASTANEA/LOCK HAVEN, CLINTON COUNTY
15. RANK 2, DRAKETOWN/HOGAN BLVD, BALD EAGLE, CLINTON COUNTY
16. RANK 2, NORTHUMBERLAND HW/BALD TOP/NORTHUMBERLAND ST, MAHONING/DANVILLE, MONTGOMERY COUNTY
17. RANK 2, MILL RD/CHARLES ATTIG MEM HW, MONROE, SNYDER COUNTY
18. RANK 2, MILL RD/ROOSEVELT, MONROE, SNYDER COUNTY
19. RANK 2, PENN/ELEVENTH/CENTRAL AV, PINE CREEK, CLINTON COUNTY
20. RANK 2, TIADAGHTON/CENTRAL AV/PINE CREEK RD, PINE CREEK, CLINTON COUNTY
21. RANK 2, RIDGE/KEYSER/SANDHILL/HOUSELS RUN RD, WEST CHILLISQUAKE, NORTHUMBERLAND COUNTY
22. RANK 2, EIGHTH/HICKORY/MT CARMEL-MERRIAM HW, MT CARMEL/MOUNT CARMEL, NORTHUMBERLAND COUNTY
23. RANK 2, ELYSBURG RD/HILLSIDE, RIVERSIDE, NORTHUMBERLAND COUNTY
24. RANK 2, CENTRAL AV/NINTH, PINE CREEK, CLINTON COUNTY
25. RANK 2, JESSAMINE/WALNUT ST/VESPER, LOCK HAVEN, CLINTON COUNTY
26. RANK 2, ORANGE ST/RITTENHOUSE MILL/PARK RD/FREAS AV, BRIAR CREEK, COLUMBIA COUNTY
27. RANK 2, BEAR VALLEY AV/MONROE, COAL/SHAMOKIN, NORTHUMBERLAND COUNTY
28. RANK 2, MERCERON ST/MAINVILLE DR, BLOOMSBURG/CATAWISSA, COLUMBIA COUNTY
29. RANK 3, PARK/POINT TWP RD, POINT, NORTHUMBERLAND COUNTY

30. RANK 3, BOUGH/MARKET ST, SELINSGROVE, SNYDER COUNTY
31. RANK 3, SOUTH TURNPIKE/SEVENTH ST/ASHLAND RD, MT CARMEL/MOUNT CARMEL, NORTHUMBERLAND COUNTY
32. RANK 3, S HICKORY ST/SIXTH, MOUNT CARMEL, NORTHUMBERLAND COUNTY
33. RANK 4, BELLEFONTE AV/SPRING, LOCK HAVEN, CLINTON COUNTY
34. RANK 4, EAST ST/FOURTH, BLOOMSBURG, COLUMBIA COUNTY
35. RANK 5, SR 0405 SH/OLD ROUTE 45, WEST CHILLISQUAQUE, NORTHUMBERLAND COUNTY
36. RANK 5, MONTOUR BL/RIDGE DR, COOPER/MAHONING, MONTOUR COUNTY
37. RANK 5, ADAMS/BEAR VALLEY AV, COAL/SHAMOKIN, NORTHUMBERLAND COUNTY
38. RANK 5, ORANGE/S HICKORY ST, MOUNT CARMEL, NORTHUMBERLAND COUNTY
39. RANK 5, FIFTH/HAAS/BROAD ST, WHITE DEER/KELLY, UNION COUNTY
40. RANK 5, STETLER/CHARLES ATTIG MEM HW, SHAMOKIN DAM/MONROE, SNYDER COUNTY

#### **Shenango Valley Area Transportation Study MPO**

1. RANK 1, STAMBAUGH/DIVISION/DIVISION ST/STAMBAUGH AV, SHARON/FARRELL
2. RANK 2, MARCH/DIVISION ST, SHARON/FARRELL
3. RANK 3, STAMBAUGH/DIVISION ST/FRENCH/WENGLER, SHARON/FARRELL
4. RANK 4, POPLAR ST/POPLAR/CENTER ST, GROVE CITY
5. RANK 4, WATER AV/CONNELLY BL, SHARON
6. RANK 4, HAYWOOD/ROEMER BL/NEW CASTLE AV, FARRELL
7. RANK 4, RIVER RD/WATER AV/KOSSUTH, HERMITAGE
8. RANK 4, DIVISION ST/FRENCH/WENGLER, SHARON/FARRELL
9. RANK 4, PENN/MAIN ST/WHEATLAND RD/BEDFORD RD, SHENANGO/WEST MIDDLESEX
10. RANK 4, STATE ST/SNYDER, HERMITAGE
11. RANK 4, STATE ST/SUNSET, HERMITAGE
12. RANK 4, VOSLER/MAIN ST/SAAL, GREENVILLE
13. RANK 4, HERMITAGE RD/SPANGLER, HERMITAGE/SHENANGO
14. RANK 4, HERMITAGE RD/SPANGLER/WILSON, HERMITAGE/SHENANGO

15. RANK 4, MAIN STREET/GARFIELD/MAIN ST/WEST, SHENANGO/WEST MIDDLESEX
16. RANK 4, WATER AV/CRAWFORD, HERMITAGE/SHARON
17. RANK 4, SARANAC DR/CLARKSVILLE ST/MAIN ST/HIGH, GREENVILLE
18. RANK 5, SHENANGO/WALNUT ST, SHARPSVILLE
19. RANK 5, WALNUT ST, SHARPSVILLE
20. RANK 6, INDIANA AV/DIVISION ST/NEW CASTLE AV, SHARON/FARRELL

#### **Southern Alleghenies Planning and Development Commission RPO**

1. RANK 1, WILLIAM PENN HW/PENN ST, HUNTINGDON/HENDERSON, HUNTINGDON COUNTY
2. RANK 1, GRAHAM AV/JEFFERSON AV, WINDBER, SOMERSET COUNTY
3. RANK 1, MAIN ST/HUMBERSON, SOMERSET, SOMERSET COUNTY
4. RANK 1, FAIRGROUNDS RD/WILLIAM PENN HW/PINEY RIDGE RD, SMITHFIELD, HUNTINGDON COUNTY
5. RANK 1, PENNSYLVANIA AV/WILLIAM PENN HW/RIDGE RD, SMITHFIELD, HUNTINGDON COUNTY
6. RANK 1, WINEVA/MAIN ST/HIGH, PAINT, SOMERSET COUNTY
7. RANK 1, FAIRGROUNDS ACCESS/HORDUBAY/FAIRGROUNDS RD/PRIVATE RD, SMITHFIELD, HUNTINGDON COUNTY
8. RANK 1, SR 0056 SH/DOBSON, PAINT, SOMERSET COUNTY
9. RANK 2, MUSSELMAN/MAIN ST, SOMERSET, SOMERSET COUNTY
10. RANK 3, WILLIAM PENN HW/CROOKED CREEK RD, SMITHFIELD, HUNTINGDON COUNTY
11. RANK 3, GRAHAM AV/NINETEENTH, WINDBER, SOMERSET COUNTY
12. RANK 3, MOSTOLLER/GLADES PK/MAIN ST, SOMERSET, SOMERSET COUNTY
13. RANK 3, MOORE ST/NINTH, HUNTINGDON, HUNTINGDON COUNTY
14. RANK 3, MAPLEHURST/WATER LEVEL RD, SOMERSET, SOMERSET COUNTY
15. RANK 3, BROMM/WATER LEVEL RD, SOMERSET, SOMERSET COUNTY
16. RANK 3, MOORE ST/SEVENTH ST, HUNTINGDON, HUNTINGDON COUNTY
17. RANK 3, COLLEGE/COLD SPRINGS RD, HUNTINGDON, HUNTINGDON COUNTY
18. RANK 3, MILLER PICKING RD/SR 0403 SH/PENDER, CONEMAUGH, SOMERSET COUNTY
19. RANK 3, EAST/NORTH CENTER AV/WEST TURNPIKE, SOMERSET, SOMERSET COUNTY



20. RANK 3, COLLINGWOOD/GLADES PK, SOMERSET, SOMERSET COUNTY

#### **Southwestern Pennsylvania Commission MPO**

1. RANK 1, HANCOCK AV/CUSTER AV/TENTH/FIFTEENTH/WASHINGTON AV, VANDERGRIFT/EAST VANDERGRIFT, WESTMORELAND COUNTY
2. RANK 2, RENAISSANCE/PETERSON/HANSEN AV/BELL, BUTLER, BUTLER COUNTY
3. RANK 3, WASHINGTON ST/DIAMOND, NEW CASTLE, LAWRENCE COUNTY
4. RANK 4, MADERIA/UNION ST/SECOND, NEW EAGLE, WASHINGTON COUNTY
5. RANK 4, RAVENSBURG BL/RAVENSBURG/WALNUT AV/CLAIRTON RD, JEFFERSON HILLS/CLAIRTON, ALLEGHENY COUNTY
6. RANK 4, BK-2168/COLES/NEVILLE RD/ISLAND AV/FLEMING PARK BR, KENNEDY/STOWE, ALLEGHENY COUNTY
7. RANK 4, HAVILLA/PIERCE/UPSTON/REBECCA ST/WASHINGTON BL, PORT VUE/MCKEESPORT, ALLEGHENY COUNTY
8. RANK 4, NEW CASTLE RD/MALWOOD, BUTLER, BUTLER COUNTY
9. RANK 4, HARRISON AV/OAKFORD PARK RD, PENN/HEMPFIELD, WESTMORELAND COUNTY
10. RANK 4, NINTH ST/CRAWFORD AV/MEMORIAL BL, CONNELLSVILLE, FAYETTE COUNTY
11. RANK 4, EVANS/HARRISON AV/GUY/ELLSWORTH, JEANNETTE, WESTMORELAND COUNTY
12. RANK 4, CARSON/CONNELLSVILLE ST, NORTH UNION/UNIONTOWN, FAYETTE COUNTY
13. RANK 4, CLEARVIEW/CRAFTON BL/JOSEPHINE/SARAH, CRAFTON/PITTSBURGH, ALLEGHENY COUNTY
14. RANK 4, PENN AV/FIFTH ST/FOURTH, NEW BRIGHTON, BEAVER COUNTY
15. RANK 4, THIRD AV/OHIO RIVER BL/EIGHTH, FREEDOM, BEAVER COUNTY
16. RANK 4, LAUREL/MAIN ST/ENTRY/HAHNTOWN WENDEL RD, IRWIN/NORTH HUNTINGDON, WESTMORELAND COUNTY
17. RANK 4, COLLEGE LODGE RD/PHILADELPHIA ST/ACORN, INDIANA/WHITE, INDIANA COUNTY
18. RANK 4, HAMILTON/BETHEL/WALLACE/LINCOLN HW, NORTH HUNTINGDON, WESTMORELAND COUNTY
19. RANK 4, LIME/MAIN ST/NELSON, MONONGAHELA, WASHINGTON COUNTY
20. RANK 4, CHESTNUT/VALLEY/RIDGE RD/HUDSON, MONONGAHELA, WASHINGTON COUNTY

21. RANK 4, FRANK/WASHINGTON AV/GEORGE/RANKINTOWN RD, UNION/FINLEYVILLE, WASHINGTON COUNTY
22. RANK 4, NORTH/FOURTH ST/MCGREGOR ST/ANDERSON, INDIANA/WHITE, INDIANA COUNTY
23. RANK 4, FOURTH ST/LINCOLN/MARION/OLD ROUTE 119 RD/ELKIN, WHITE, INDIANA COUNTY
24. RANK 4, WASHINGTON AV/GRANT, VANDERGRIFT, WESTMORELAND COUNTY
25. RANK 4, FREEPORT RD/SR 0066 SH/GRANGE/EDGEWOOD/SPORTSMAN, WASHINGTON, WESTMORELAND COUNTY
26. RANK 4, SIBERIAN/PERSHING AV/THIRD, LEECHBURG/GILPIN, ARMSTRONG COUNTY
27. RANK 5, OHIO RIVER BL/MONITOR, BEN AVON/AVALON, ALLEGHENY COUNTY
28. RANK 5, FIFTH/MAIN ST, MONONGAHELA, WASHINGTON COUNTY
29. RANK 6, EUCLID/MAIN ST/WESTMINSTER AV, GREENSBURG/SOUTHWEST GREENSBURG, WESTMORELAND COUNTY
30. RANK 6, WILLIAM PENN HW/LOWER RODI RD, WILKINS/CHURCHILL, ALLEGHENY COUNTY
31. RANK 6, HEIM/KAUFMAN/ZEIGLER AV, BUTLER, BUTLER COUNTY
32. RANK 7, W CUNNINGHAM ST/SECOND AV, BUTLER, BUTLER COUNTY
33. RANK 7, S MAIN ST/MILL/CAMPBELL, BUTLER, BUTLER COUNTY
34. RANK 7, BROWNSVILLE RD/CHURCHVIEW AV, PITTSBURGH/BRENTWOOD, ALLEGHENY COUNTY
35. RANK 8, PIKE ST/WEST PIKE ST/WESTERN AV/HAFT, CHARTIERS/HOUSTON, WASHINGTON COUNTY
36. RANK 8, FREEDOM CRIDER RD/DANBURY, CRANBERRY/NEW SEWICKLEY, BUTLER/BEAVER COUNTY
37. RANK 8, LEET ST/BEAVER, LEETSDALE, BEAVER/ALLEGHENY COUNTY
38. RANK 8, OBEY/NOBLESTOWN RD/MAGNUS, PITTSBURGH, ALLEGHENY COUNTY
39. RANK 8, CROSS/FIFTH AV, EAST MCKEESPORT/NORTH VERSAILLES, ALLEGHENY COUNTY
40. RANK 8, PERRYSVILLE AV/IRWIN/PALISADE/DANBURY, PITTSBURGH, ALLEGHENY COUNTY
41. RANK 8, FOUNTAIN AV/PITTSBURGH, WAYNE/ELLWOOD CITY, LAWRENCE COUNTY
42. RANK 8, MAIN/MAIN ST/BRODHEAD RD, HOPEWELL/ALIQIPPA, BEAVER COUNTY

43. RANK 9, ACKERMAN/LINCOLN HW, JEANNETTE/HEMPFIELD, WESTMORELAND COUNTY
44. RANK 9, MILLERSDALE RD/LINCOLN HW, JEANNETTE/HEMPFIELD, WESTMORELAND COUNTY
45. RANK 9, MARION/HAMILL/OLD ROUTE 119 HWY, WHITE, INDIANA COUNTY
46. RANK 9, DONALDSON RD/NORTH BRANCH RD/WHITTENGATE RD, NORTH FAYETTE, ALLEGHENY COUNTY
47. RANK 9, MONTGOMERY AV/LIBERTY ST/LIBERTY, NEW CASTLE/NORTH BEAVER/TAYLOR, LAWRENCE COUNTY
48. RANK 9, MAGILL/SR 0068, JACKSON, BUTLER COUNTY
49. RANK 9, MCCLELLLEN/SR 68/SULLIVAN, SUMMIT, BUTLER COUNTY
50. RANK 9, WEST NEWTON ST/SOUTH GREENGATE RD, HEMPFIELD, WESTMORELAND COUNTY
51. RANK 9, COUNTRY CLUB RD/MAPLE, MONONGAHELA, WASHINGTON COUNTY
52. RANK 9, FAIRGROUND HILL RD/WHITESTOWN RD/PIERCE AV, BUTLER, BUTLER COUNTY
53. RANK 9, NEW CASTLE/HANSEN AV/CONNECTOR, BUTLER, BUTLER COUNTY
54. RANK 9, HOWARD/LAKETON RD/CRAB HOLLOW/WOODGATE, WILKINSBURG/PENN HILLS, ALLEGHENY COUNTY
55. RANK 9, FOURTH ST/FIFTH ST ET/FOURTH, INDIANA/WHITE, INDIANA COUNTY
56. RANK 9, WATER/FOURTH ST/WATER ST, INDIANA/WHITE, INDIANA COUNTY
57. RANK 9, N FIFTH ST EXD/N FOURTH, WHITE, INDIANA COUNTY
58. RANK 9, FOURTH ST/BURNS AVE, INDIANA, INDIANA COUNTY
59. RANK 9, LOWER RODI RD/PENN CENTER, WILKINS, ALLEGHENY COUNTY
60. RANK 9, AMBLER/LINCOLN HW, HEMPFIELD, WESTMORELAND COUNTY
61. RANK 9, SWISSVALE AV/MONTIER ST/PARK/MONTIER/BURNS, WILKINSBURG/PITTSBURGH, ALLEGHENY COUNTY
62. RANK 9, SUNVIEW/LINCOLN HW, HEMPFIELD, WESTMORELAND COUNTY
63. RANK 9, WILLIAMSBURG/WARRENDALE BAYNE RD, MARSHALL, ALLEGHENY COUNTY
64. RANK 9, GINGER HILL RD/FINLEYVILLE RD, UNION, WASHINGTON COUNTY
65. RANK 9, TWO WAY/BUSINESS RT 66 RD, HEMPFIELD, WESTMORELAND COUNTY
66. RANK 9, FOURTH/BROADWAY AV, NORTH HUNTINGDON/MANOR, WESTMORELAND COUNTY
67. RANK 9, ARONA RD/SR 136, HEMPFIELD/ARONA, WESTMORELAND COUNTY
68. RANK 9, OVERHOLT/PORTER AV, EAST HUNTINGDON, WESTMORELAND COUNTY
69. RANK 9, BROWNSVILLE RD/WYSOX, PITTSBURGH/BRENTWOOD, ALLEGHENY COUNTY
70. RANK 9, BRIDGE ST/BROADWAY AV, NORTH HUNTINGDON, WESTMORELAND COUNTY
71. RANK 9, PINE HILL WY/ELLWOOD-ZELIENOPLE RD, FRANKLIN, BEAVER COUNTY
72. RANK 9, OAKRIDGE/OLD PERRY/TRION/PERRY HW, ROSS, ALLEGHENY COUNTY
73. RANK 9, ROCHESTER RD/NICHOLSON RD/LOCUST, FRANKLIN PARK, ALLEGHENY COUNTY
74. RANK 9, S CENTRAL AV/GARDEN/KIDDER/BOONE AV/VANCE, NORTH STRABANE, WASHINGTON COUNTY
75. RANK 9, SR 66/SHERIDAN RD, OKLAHOMA, WESTMORELAND COUNTY
76. RANK 9, UNITY ST/ST MARYS RD/, LATROBE, WESTMORELAND COUNTY
77. RANK 9, GOULD AV/PERRYSVILLE AV, PITTSBURGH, ALLEGHENY COUNTY
78. RANK 9, BALPH/MORAVIA ST, NEW CASTLE/SOUTH NEW CASTLE/SHENANGO, LAWRENCE COUNTY
79. RANK 9, SHERIDAN RD/MATHEWS/CASTLEGATE/PETERS, HEMPFIELD, WESTMORELAND COUNTY
80. RANK 9, JONES ST/BROWN ST, EVERSON, FAYETTE COUNTY
81. RANK 9, GLENWOOD/GEYER RD/NORTH AV, SHALER, ALLEGHENY COUNTY
82. RANK 9, INDUSTRY RD/E ROY FURMAN HW, FRANKLIN, GREENE COUNTY
83. RANK 9, W LEECHBURG RD/S LEECHBURG HILL RD, WEST LEECHBURG/ALLEGHENY, WESTMORELAND COUNTY
84. RANK 9, COLLEGE AV/CHURCH ST, MOUNT PLEASANT, WESTMORELAND COUNTY
85. RANK 9, DALLETT/DOYLE/DOYLE RD/EMBLEM, WHITEHALL, ALLEGHENY COUNTY
86. RANK 9, MONASTERY RD/THEATRE/MISSION RD/MONASTERY, LATROBE/UNITY, WESTMORELAND COUNTY
87. RANK 9, LINCOLN HW/MARYLAND AV, NORTH VERSAILLES, ALLEGHENY COUNTY

88. RANK 9, SHIRAS/BENSONIA/BROADWAY AV, PITTSBURGH, ALLEGHENY COUNTY
89. RANK 9, SERVICE/NEW BUTLER RD, SHENANGO, LAWRENCE COUNTY
90. RANK 9, HIGHVIEW/NEW BUTLER RD, SHENANGO, LAWRENCE COUNTY
91. RANK 9, WHITNEY DR/EVANS CITY RD, JACKSON, BUTLER COUNTY
92. RANK 9, MITCHELL DR/SR 981, DERRY, WESTMORELAND COUNTY
93. RANK 9, CHURCH ST/BRADDOCK RD, MOUNT PLEASANT, WESTMORELAND COUNTY
94. RANK 9, GIBSON/MEMORIAL BL, CONNELLSVILLE, FAYETTE COUNTY
95. RANK 9, TODD RD/SERVICE CREEK RD/GREEN GARDEN RD, HOPEWELL, BEAVER COUNTY
96. RANK 9, LINTNER/WILLIAM PENN HW, BURRELL, INDIANA COUNTY
97. RANK 9, FIFTH ST/EIGHTH, NEW BRIGHTON, BEAVER COUNTY
98. RANK 9, RAYMOND AV/LATROBE DERRY RD, LATROBE, WESTMORELAND COUNTY
99. RANK 9, CRESCENT HEIGHTS PL/SR 65/MAIN AV, DAUGHERTY, BEAVER COUNTY
100. RANK 9, BOYKA DR/SR 88, UNION, WASHINGTON COUNTY
101. RANK 9, HECLA RD/MT PLEASANT RD/KECKSBURG RD, MOUNT PLEASANT, WESTMORELAND COUNTY
102. RANK 9, THOMAS AV/BROWN AV, HEMPFIELD, WESTMORELAND COUNTY
103. RANK 9, TABORN/FAYETTE AV/MARINE/MULLEN, WASHINGTON, FAYETTE COUNTY
104. RANK 9, HANCOCK AV/BRYANT, VANDERGRIFT/ALLEGHENY, WESTMORELAND COUNTY
105. RANK 9, MIDLAND BEAVER RD/WOLF RUN RD/CANTON, INDUSTRY, BEAVER COUNTY
106. RANK 9, HARMAN/WILLIAM PENN HWY, WILKINSBURG/CHURCHILL, ALLEGHENY COUNTY
107. RANK 9, RIVER AV/GEN ROBINSON ST, PITTSBURGH, ALLEGHENY COUNTY
108. RANK 9, BUTLER RD/ALLEGHENY AV, EAST FRANKLIN/APPLEWOLD, ARMSTRONG COUNTY
109. RANK 9, PROXIM/MONTOOTH, PITTSBURGH, ALLEGHENY COUNTY
110. RANK 9, PENNSYLVANIA AV/FIFTH AV, MCKEESPORT, ALLEGHENY COUNTY
111. RANK 9, BRANT/WARRENDALE BAYNE RD, MARSHALL, ALLEGHENY COUNTY
112. RANK 9, PERSHING AV/KISKI, LEECHBURG/GILPIN, ARMSTRONG COUNTY
113. RANK 9, WEST LEECHBURG/PERSHING AV/EVERGREEN RD, LEECHBURG/GILPIN, ARMSTRONG COUNTY
114. RANK 9, FAIR ST/CHURCH ST/DEFOREST, FAIRCHANCE, FAYETTE COUNTY
115. RANK 9, GARDNER STOP/SR 65, SHENANGO, LAWRENCE COUNTY
116. RANK 9, RAILROAD/MAIN ST/RIDGE RD, MONONGAHELA, WASHINGTON COUNTY
117. RANK 9, SEVENTH/MAIN ST, MONONGAHELA, WASHINGTON COUNTY
118. RANK 9, BROADWAY/SIXTH/MARKET ST, BROWNSVILLE, FAYETTE COUNTY
119. RANK 9, VERSAILLES AV/NEGLEY AV/WALL AV, WALL, ALLEGHENY COUNTY
120. RANK 9, ETTA/BAILEY AV, PITTSBURGH, ALLEGHENY COUNTY
121. RANK 9, WASHINGTON ST/FRONT, NEW CASTLE, LAWRENCE COUNTY
122. RANK 9, S EIGHTEENTH ST/ARLINGTON AV/MT OLIVER/ARLINGTON, PITTSBURGH/MT OLIVER, ALLEGHENY COUNTY
123. RANK 9, PARK AV/FIRST ST/SOUTH SUMMIT, KISKIMINETAS/APOLLO, ARMSTRONG COUNTY
124. RANK 9, LINCOLN HW/BALDWIN RD/CORNELL AV, PITTSBURGH, ALLEGHENY COUNTY
125. RANK 9, STEUBENVILLE PK/OLD STEUBENVILLE/OLD STEUBENVILLE PK, ROBINSON/KENNEDY, ALLEGHENY COUNTY
126. RANK 9, STEUBENVILLE PK/MCCORMICK RD, ROBINSON, ALLEGHENY COUNTY
127. RANK 9, STATE ST/SCHILLER/OHIO RIVER BL, BADEN, BEAVER COUNTY
128. RANK 9, STATE ST/OHIO RIVER BL, BADEN, BEAVER COUNTY
129. RANK 9, INDUSTRY/MONTOOTH, PITTSBURGH, ALLEGHENY COUNTY
130. RANK 9, BATTLE RIDGE RD/LEG A/MARSHALL, NORTH FAYETTE/SOUTH FAYETTE, ALLEGHENY COUNTY
131. RANK 9, HARRISON AV/STELLA, JEANNETTE/PENN, WESTMORELAND COUNTY
132. RANK 9, ALLISON AV/THORNTON RD, LUZERNE, FAYETTE COUNTY
133. RANK 9, STATE ST/GRANT/BELL, NEW CASTLE, LAWRENCE COUNTY
134. RANK 9, HANSEN AV/ARMCO DR/ARMCO, BUTLER, BUTLER COUNTY
135. RANK 9, WEIRICH AV/ROOSEVELT/CHESTNUT ST ET/OLD NATIONAL PK, CANTON/NORTH FRANKLIN, WASHINGTON COUNTY
136. RANK 9, GOSSER HILL RD/LEECHBURG HILL RD, WEST LEECHBURG/ALLEGHENY, WESTMORELAND COUNTY



137. RANK 9, MAIN ST, SOUTH UNION/NORTH UNION, FAYETTE COUNTY
138. RANK 9, KINGWOOD/LIBRARY RD/ELWYN, PITTSBURGH/BALDWIN, ALLEGHENY COUNTY
139. RANK 9, PENNSYLVANIA AV/WOODSIDE/FLORIDA, JEANNETTE/HEMPFIELD, WESTMORELAND COUNTY
140. RANK 9, PENNSYLVANIA AV/MARYLAND, JEANNETTE, WESTMORELAND COUNTY
141. RANK 9, KOST/OHIO RIVER BL/TAYLOR, LEETSDALE, ALLEGHENY COUNTY
142. RANK 9, DRY RUN RD/CHESS ST, NEW EAGLE/MONONGAHELA, WASHINGTON COUNTY
143. RANK 9, VERONA RD/MOUNT CARMEL RD, PENN HILLS, ALLEGHENY COUNTY
144. RANK 9, WASHINGTON ST/JEFFERSON, EVANS CITY, BUTLER COUNTY
145. RANK 9, WASHINGTON ST/JACKSON, EVANS CITY, BUTLER COUNTY
146. RANK 9, MCCRADY/RODI RD, CHURCHILL, ALLEGHENY COUNTY
147. RANK 9, CONN 224 TO STATE ST/STATE ST, UNION, LAWRENCE COUNTY
148. RANK 9, BRUSHWOOD RD/CONNELLSVILLE ST/BOUQUET, NORTH UNION/UNIONTOWN, FAYETTE COUNTY
149. RANK 9, THOMAS/CONNELLSVILLE ST, NORTH UNION/UNIONTOWN, FAYETTE COUNTY
150. RANK 9, RIDGE/EWING RD/BALDWIN RD/FORT PITT, COLLIER, ALLEGHENY COUNTY

#### **Wayne County**

1. RANK 1, PARK ST/FORTINIA RD/MAPLE AV, HONESDALE
2. RANK 2, GRANDVIEW AV/SUNSET, TEXAS/HONESDALE
3. RANK 2, WHITE ROCK DR/PLEASANT MT DR, CLINTON
4. RANK 2, WHITE ROCK DR, CLINTON
5. RANK 2, MAPLE AV/FORTINIA RD, TEXAS/HONESDALE
6. RANK 2, MAIN ST/WEST, HONESDALE
7. RANK 2, DOROTHY ORTH HILL/FORTINIA RD, TEXAS/HONESDALE
8. RANK 3, HIGH ST/MAIN ST/HIGH, HONESDALE
9. RANK 4, TERRACE ST/FIFTH STREET/VINE/COMMERCIAL, HONESDALE
10. RANK 4, MAIN ST/ELM PL, HONESDALE
11. RANK 4, TERRACE ST/ERIE ST/RUSSELL ST, HONESDALE

12. RANK 5, FIFTEENTH/MAIN ST, HONESDALE
13. RANK 5, SEVENTEENTH/MAIN ST, HONESDALE
14. RANK 5, THIRTEENTH/MAIN ST, HONESDALE
15. RANK 5, COREY/SUNRISE AV, HONESDALE
16. RANK 5, FAIR ST/WENIGER HILL RD, DYBERRY/HONESDALE
17. RANK 5, MAIN ST/SOUTH ST/COMMERCE, FOREST CITY/CLINTON
18. RANK 5, FAIR ST/MILLER DR, DYBERRY
19. RANK 5, MARION ST/CHESTNUT, CLINTON
20. RANK 5, MARION ST/MAIN ST/MAPLE, FOREST CITY/CLINTON

#### **Williamsport Area Transportation Study MPO**

1. RANK 1, LOYALSOCK AV/WEAVER/ARCH, MONTGOMERYVILLE
2. RANK 1, ALLEGHENY ST/CULVERT/DEPOT/CULVERT ST/DEPOT ST, JERSEY SHORE
3. RANK 2, HIGH ST/HARRIS/HEPBURN ST, WILLIAMSPORT
4. RANK 2, RURAL/MARKET ST/HEPBURN ST, WILLIAMSPORT
5. RANK 3, BEEBER ST/OLIVER/FOURTH ST/EAST, WILLIAMSPORT
6. RANK 3, THIRD ST/WASHINGTON BL, LOYALSOCK
7. RANK 4, KENDELL/CHARLES/ALLEGHENY ST, JERSEY SHORE
8. RANK 4, HIGH ST/PARK AV/PARK, WILLIAMSPORT
9. RANK 4, LOYALSOCK AV/ARCH, MONTGOMERYVILLE
10. RANK 4, THIRD ST/WASHINGTON BL/FAXON, LOYALSOCK
11. RANK 4, LAFAYETTE/WASHINGTON BL, LOYALSOCK
12. RANK 4, LAUREL/SIXTH/MEMORIAL/HEPBURN ST, WILLIAMSPORT
13. RANK 4, EIGHTH AV/MAIN/HASTINGS ST, ARMSTRONG/SOUTH WILLIAMSPORT
14. RANK 4, GRIFFITH/SR 0405 SH, MUNCY CREEK
15. RANK 4, CANAL/BASIN ST, WILLIAMSPORT
16. RANK 4, WHEELAND/CLAYTON/LINCOLN DR, LOYALSOCK
17. RANK 4, MARKET ST/GRAMPIAN BL/BLOOMINGGROVE RD/MARKET/HIGHLAND TE, WILLIAMSPORT
18. RANK 5, WYLIE/ALLEGHENY ST, JERSEY SHORE
19. RANK 5, STAVELAND/ALLEGHENY ST, JERSEY SHORE

20. RANK 5, RAILWAY/WASHINGTON BL, WILLIAMSPORT

#### **York Area MPO**

1. RANK 1, ELEVENTH/GEORGE ST, MANCHESTER/NORTH YORK
2. RANK 2, PROSPECT/MT ROSE AV/NORWAY, YORK/SPRING GARDEN
3. RANK 2, HELLAM ST/SECOND ST/SECOND, WRIGHTSVILLE
4. RANK 3, HELLAM ST/THIRD, WRIGHTSVILLE
5. RANK 3, COOL SPRINGS RD/MIFFLIN, HELLAM
6. RANK 4, STACEY/BALTIMORE ST/BLACK ROCK RD, PENN
7. RANK 5, S QUEEN ST/HILLCREST, YORK/SPRING GARDEN
8. RANK 5, SLEEPY HOLLOW/PEYTON/RATHTON RD, YORK/SPRING GARDEN
9. RANK 5, ROYAL/PHILADELPHIA/MARKET ST, SPRINGETTSBURY
10. RANK 5, OXFORD/MARKET ST, WEST MANCHESTER/WEST YORK
11. RANK 5, WOODRIDGE/CAPE HORN RD, YORK/WINDSOR
12. RANK 5, EAST BERLIN RD/MARKET ST, WEST MANCHESTER/WEST YORK
13. RANK 5, DIAMOND/MARKET ST, WEST MANCHESTER/WEST YORK
14. RANK 5, KENT/MEMORY LN, SPRINGETTSBURY
15. RANK 6, APPLE/LINCOLN HW/LOUCKS RD, YORK/WEST MANCHESTER
16. RANK 6, PLEASANT VALLEY RD/MEMORY LN, SPRINGETTSBURY
17. RANK 6, BREEZVIEW/LOUCKS RD, MANCHESTER
18. RANK 6, WELTY/BALTIMORE ST, DILLSBURG
19. RANK 6, HIGH ST/THIRD ST, HANOVER
20. RANK 6, MANHEIM/MARKET ST/EASTERN, SPRINGETTSBURY
21. RANK 6, BALTIMORE ST/CHURCH, DILLSBURG
22. RANK 6, BALTIMORE ST/FRANKLINTOWN/PRIVATE, FRANKLINTOWN/  
FRANKLIN
23. RANK 6, GLENVIEW/BALTIMORE RD/BALTIMORE ST/STONY RUN,  
FRANKLINTOWN/FRANKLIN
24. RANK 6, FRONT ST/COLUMBIA-WRIGHTSVILLE BR, COLUMBIA/WRIGHTSVILLE
25. RANK 6, GEORGE ST/CHURCHILL, YORK
26. RANK 6, GREENBRIAR RD/CHURCH RD, MANCHESTER
27. RANK 6, WYNTRE BROOKE/GEORGE ST, YORK

28. RANK 6, EAST BERLIN RD/PHILADELPHIA/HOFFMAN, WEST MANCHESTER

29. RANK 6, THIRD ST/CARLISLE ST, HANOVER

30. RANK 6, FARMTRAIL/FARMTRAIL RD/CHURCH RD, MANCHESTER

31. RANK 6, OLD TRAIL RD/CONNECTOR, NEWBERRY

32. RANK 6, KENNETH RD/RODNEY, WEST MANCHESTER

33. RANK 6, WILLOW SPRINGS/CANAL RD/CANAL RD ET, EAST MANCHESTER

34. RANK 6, MARKET ST/DUVALL, WEST MANCHESTER

35. RANK 6, JOHN/MARKET ST, WEST MANCHESTER

36. RANK 6, HANOVER RD/BAIRS, WEST MANCHESTER

37. RANK 6, MT PISGAH RD/COOL CREEK RD, HELLAM

38. RANK 6, BOARD RD/ROSE, MANCHESTER

39. RANK 6, ABBIE RD/LINCOLN HW, WEST MANCHESTER

40. RANK 6, CARLISLE RD/PINE, WEST MANCHESTER/DOVER

#### **References**

<https://safety.fhwa.dot.gov/systemic/fhwasal3019/>

[https://safety.fhwa.dot.gov/systemic/pdf/FHWA\\_SystemicApproach\\_PotentialRiskFactors.pdf](https://safety.fhwa.dot.gov/systemic/pdf/FHWA_SystemicApproach_PotentialRiskFactors.pdf)

# CHAPTER 5: SUMMARY OF CONSULTATION

## Introduction

PennDOT undertook a comprehensive, inclusive consultation process for the high-risk areas identified in Chapter 3. This process was informed by the October 21, 2022 Federal guidance memorandum. Specifically, the memorandum states:

States are required to consult with local governments, MPOs, and regional transportation planning organizations that represent a high-risk area.

FHWA also encourages States to consult institutional, advocacy, and community groups, particularly those that represent populations that may be underrepresented based on the demographics of the locations of fatalities and serious injuries.

More than 500 interested parties listed below were invited to participate in the consultation process, including all Planning Partners (metropolitan planning organizations and rural planning organizations) in Pennsylvania as well as local governments that contained high-risk areas. The full list of invitees was informed by discussion with the Pennsylvania Pedalcycle and Pedestrian Advisory Committee (PPAC). Transit agencies, organizations with an equity focus, and a wide variety of advocacy groups and clubs were all invited. A full list of invitees is provided below. Additional participants were invited directly by Planning Partners. This list also does not include PennDOT officials, many of whom participated to listen to topics raised by the participants.

## **PPAC Members**

### **Planning Partners**

- Adams County Transportation Planning Organization MPO
- Altoona MPO
- Cambria County MPO
- Centre County MPO
- Delaware Valley Regional Planning Commission
- Erie Area Transportation Study MPO
- Franklin County MPO
- Harrisburg Area Transportation Study MPO
- Lackawanna Luzerne Transportation Study MPO
- Lancaster County Transportation Study MPO
- Lebanon County MPO
- Lehigh Valley Transportation Study MPO
- North Central PA Regional Planning and Development Commission RPO
- Northeastern Pennsylvania Alliance MPO
- Northern Tier Regional Planning and Development Commission RPO
- Northwest RPO
- Reading Area Transportation Study MPO
- SEDA-Council of Governments MPO
- Shenango Valley Area Transportation Study MPO
- Southern Alleghenies Planning and Development Commission RPO
- Southwestern Pennsylvania Commission MPO
- Wayne County
- Williamsport Area Transportation Study MPO
- York Area MPO



## Municipalities

- Abington Township
- Allentown City
- Bangor Borough
- Beaver Borough
- Bensalem Township
- Berwick Borough
- Bethlehem Township
- Bloomsburg Town
- Boyertown Borough
- Bristol Township
- Butler City
- Caln Township
- Carbondale City
- Carlisle Borough
- Chambersburg Borough
- Chester City
- Clarion Township
- Columbia Borough
- Connellsville City
- Dubois City
- Duquesne City
- East Lampeter Township
- East Manchester Township
- East Norwegian Township
- Emmaus Borough
- Ephrata Borough
- Erie City
- Fairview Township
- Franconia Township
- Franklin City
- Gettysburg Borough
- Greensburg City
- Hanover Borough
- Hanover Township
- Harrisburg City
- Hazleton City
- Hermitage City
- Honesdale Borough
- Horsham Township
- Indiana Borough
- Johnstown City
- Kingston Borough
- Kline Township
- Lancaster City
- Larksville Borough
- Latrobe Borough
- Lebanon City
- Lewisburg Borough
- Lititz Borough
- Lock Haven City
- Logan Township
- Lower Macungie Township
- Lower Paxton Township

- Lower Southampton Township
- Manheim Township
- McKeesport City
- Meadville City
- Middletown Township
- Millcreek Township
- Monroeville Borough
- Mt Oliver Borough
- Mt Pocono Borough
- New Castle City
- New Oxford Borough
- Newtown Borough
- Norristown Borough
- North Manheim Township
- North Versailles Township
- Philadelphia City
- Pittsburgh City
- Plum Borough
- Plumstead Township
- Plymouth Borough
- Pottstown Borough
- Reading City
- Saint Clair Borough
- Sandy Township
- Scranton City
- Sharon City
- Shippensburg Borough

- Southampton Township
- State College Borough
- Stroudsburg Borough
- Sunbury City
- Swatara Township
- Swissvale Borough
- Tredyffrin Township
- Uniontown City
- Upland Borough
- Upper Darby Township
- Vanport Township
- Vernon Township
- Warminster Township
- Warren City
- Washington City
- Waynesboro Borough
- West Chester Borough
- West Lampeter Township
- West Mead Township
- West Reading Borough
- White Township
- Wilkes-Barre City
- Woodward Township
- York City

#### Transit agencies

- Allied Coordinated Transportation Services, Inc.
- Altoona Metro Transit

- Area Transportation Authority of Northcentral Pennsylvania
- Beaver County Transit Authority
- BeST Transit
- Blair Senior Services, Inc.
- Borough of Mount Carmel
- Borough of Pottstown
- Bucks County Transport, Inc.
- Butler Transit Authority
- Cambria County Transit Authority
- Centre Area Transit Authority
- Centre County
- Chester County
- Clarion County
- Community Transit of Delaware County, Inc.
- County of Lackawanna Transit System
- County of Lebanon Transit Authority
- Crawford Area Transportation Authority
- Erie Metropolitan Transit Authority
- Fayette County
- Forest County
- Greene County
- Hazleton Public Transit
- Heritage Community Initiatives
- Huntingdon-Bedford-Fulton Area Agency on Aging
- Indiana County Transit Authority
- Lehigh and Northampton Transportation Authority
- Luzerne County Transit Authority

- Lycoming-Clinton County Centers for Community Action
- Mercer County Community Transit
- Mid County Transit Authority
- Mid Mon Valley Transit Authority
- Mifflin-Juniata Area Agency on Aging
- Monroe County Transportation Authority
- New Castle Area Transit Authority
- Pike County
- Pittsburgh Regional Transit
- River Valley Transportation Authority
- Schuylkill Transportation System
- Somerset County
- South Central Transit Authority
- Southeastern Pennsylvania Transportation Authority
- Suburban Transit Network, Inc.
- Susquehanna Regional Transportation Authority
- Susquehanna Regional Transportation Authority
- Susquehanna Regional Transportation Authority
- Susquehanna Wyoming County Transportation
- Transportation Authority of Warren County
- Washington County Transportation Authority
- Wayne County Transportation System
- Westmoreland County Transportation Authority

#### **Transportation Management Associations**

- Airport Corridor Transportation Association
- Oakland TMA
- Pittsburgh Downtown Partnership



- Transportation Management Association of Chester County
- Bucks County Transportation Management Association
- Clean Air Council
- Greater Valley Forge TMA
- Central Philadelphia TMA
- Delaware County TMA
- Partnership TMA
- University City District

#### **Organizations with Statewide Constituencies**

- Governor's Advisory Commission on African American Affairs
- Governor's Advisory Commission on Asian American Affairs
- Governor's Advisory Commission on Latino Affairs
- Governor's Advisory Commission on LGBTQ Affairs
- AARP
- America Walks
- Center for Rural Pennsylvania
- Department of Conservation and Natural Resources (DCNR) Regional Advisors
- Federal Highway Administration
- Public Health Management Corporation
- Safe Routes Partnership

#### **Community Health Organizers**

- Blair County
- Cambria County
- Centre County
- Clarion and Venango Counties
- Cumberland County

- Dauphin County
- Erie County
- Franklin County
- Lancaster County
- Lebanon County
- Luzerne County
- Lycoming County
- York County

#### **Centers for Independent Living**

- Abilities in Motion
- Anthracite Region Center for Independent Living
- Bucks County Center for Independent Living
- Center for Independent Living of Central Pennsylvania
- Center for Independent Living of South Central PA
- Center for Independent Living Opportunities
- Community Resources for Independence
- Disability Empowerment Center
- Disability Options Network
- Lehigh Valley Center for Independent Living
- Liberty Resources, Inc.
- Life and Independence for Today (LIFT)
- Northeast PA Center for Independent Living
- Roads to Freedom Center for Independent Living of North Central PA
- Transitional Paths to Independent Living
- Voices for Independence

## Advocacy Groups and Clubs

- 10,000 Friends
- 5th Square
- American Bicycling Education Association
- Amish Safety Committee
- Anthracite Bike Coalition
- Berks County Bicycle Club
- Better Bike Share
- Better Streets Lawrence
- Bicycle Club of Philadelphia
- Bicycle Coalition of Greater Philadelphia
- Bicycle South Central PA
- Bike Erie
- Bike Friendly CampHill
- Bike Lebanon
- Bike Pittsburgh
- Blair Bicycle Club
- Blue Mountain Velo Cycling Club
- Center City District
- Central Bucks Bicycle Club
- Centre Bike
- Centre Region Bicycle Advisory Committee
- Coalition for Appropriate Transportation
- Conemaugh Women's Racing
- Delaware Valley Bicycle Club
- Erie Runners Club
- Families for Safe Streets Greater Philadelphia
- Friends of the Riverfront
- Gotham Cyclists
- Greater Pittsburgh Road Runners Club
- Guy's Racing Club
- Harrisburg Bicycle Club
- Hope Cyclery
- Kings Rule Together Cycling
- Lancaster Bikes!
- Lancaster Road Runners Club
- League of American Bicyclists
- Lebanon Valley Bicycle Coalition
- Lehigh Valley Road Runners
- Lehigh Wheelmen Association
- Major League Cycling, Inc.
- Mobilify
- National Youth Bike Council
- Pagoda Pacers Athletic Club
- Pennsylvania Environmental Council
- People for Bikes
- People Who Run Downtown
- Pittsburgh Major Taylor Cycling Club
- Pittsburgh Off-Road Cyclists
- Pittsburgh Pharaoh Hounds
- Premier Bicycle Club of Western Pennsylvania
- QCW Cycling
- Rails to Trails, Northeast Regional Office
- Recycle Bicycles

- Safe Route Philly
- State College Cycling Club
- Suburban Cyclists Unlimited
- Susquehanna Rovers Volksmarch Club
- The Common Wheel
- Vision Zero Philadelphia
- West Chester Cycling Club
- Western PA Bike Club
- White Clay Bicycle Club
- Williamsport Bicycle Club

### **Consultation Meetings**

PennDOT undertook 13 consultation meetings during August 2023. Each meeting included one, two, or three Planning Partners as well as organizations listed above within the boundaries of those Planning Partners. All were virtual unless noted otherwise.

#### **August 8 (hybrid, in-person and virtual)**

- Harrisburg Area Transportation Study MPO
- Lancaster County Transportation Study MPO
- Lebanon County MPO

#### **August 9**

- Adams County Transportation Planning Organization MPO
- Franklin County MPO
- York Area MPO

#### **August 18**

- Altoona MPO
- Cambria County MPO
- Southern Alleghenies Planning and Development Commission RPO

#### **August 21**

- Reading Area Transportation Study MPO



#### August 21

- Northeastern Pennsylvania Alliance MPO
- Wayne County

#### August 22 (hybrid, in-person and virtual)

- Delaware Valley Regional Planning Commission (two meetings, one focused on Philadelphia and one on Bucks, Chester, Delaware, and Montgomery counties)

#### August 23

- Centre County MPO
- North Central PA Regional Planning and Development Commission RPO

#### August 24 (hybrid, in-person and virtual)

- Southwestern Pennsylvania Commission MPO

#### August 28

- Lehigh Valley Transportation Study MPO

#### August 29

- Erie Area Transportation Study MPO
- Northwest RPO
- Shenango Valley Area Transportation Study MPO

#### August 30

- Northern Tier Regional Planning and Development Commission RPO
- SEDA-Council of Governments MPO
- Williamsport Area Transportation Study MPO

#### August 31

- Lackawanna Luzerne Transportation Study MPO

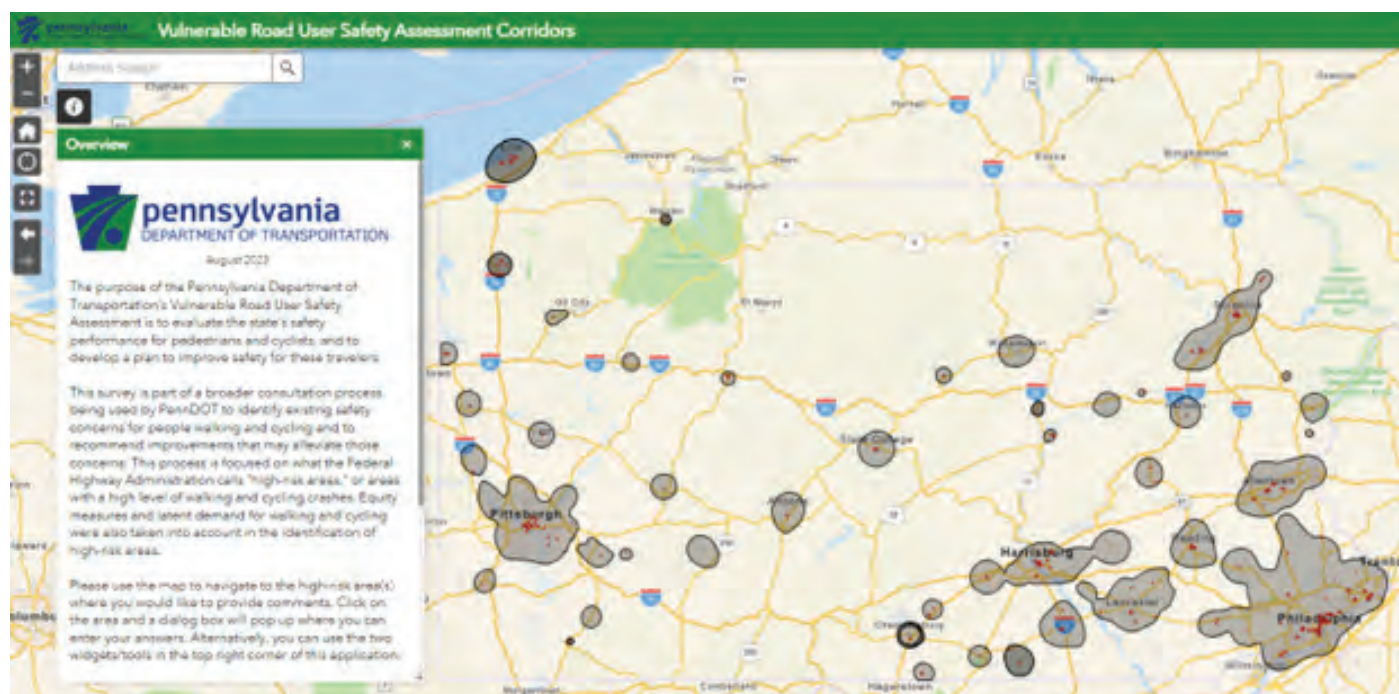
Nearly 600 people attended these meetings, including some who attended more than one.

Each meeting consisted of a presentation of about 30 minutes followed by dedicating the majority of the meeting to input by interested parties. The presentation described the purpose of the VRU Safety Assessment, illustrated crash data both statewide and in the region covered by the meeting, provided an overview of the study approach, and described the high-risk areas in the region.

Following the presentation, the project team described how the participants could provide input. The attendees then went through each high-risk area individually, providing comments on pedestrian and cyclist issues in the area, suggestions for improvements, and land use and other context associated with the area. Specific comments offered by participants are listed in the Appendix.

## Online Survey

To supplement the consultation meetings, PennDOT developed an online survey. This survey consisted of an interactive map illustrating all high-risk areas in the state, as shown in Figure XX.



**Figure XX. Online Survey**

Participants could click on each high-risk area to access a survey with four prompts about that area:

- In your experience, what are the primary PEDESTRIAN safety concerns in this area?
- In your experience, what are the primary CYCLIST safety concerns in this area?
- What types of improvements would you like to see in the area to enhance the safety of pedestrians and cyclists?
- Please provide other information that would aid in understanding VRU safety concerns or actions needed to improve VRU safety.

An option was also given to provide contact information if the participant chose to do so.

Nearly 700 individual survey responses were received. Because many responses contained more than one comment, this resulted in more than 2,700 comments for the project team's consideration.

### **Summary of Consultation Outcomes**

As noted above, all input received during the consultation process, both in meetings and through the survey, is provided in the Appendix.

In summary, respondents expressed the need for additional focus on VRU safety, offered their observations on safety concerns in most of the identified high-risk areas. Some suggestions were also offered on improvements to consider for VRU safety. Others recommended systemic VRU safety projects across the state.

The recommendations in the following chapter were informed by the results of the consultation process.



## CHAPTER 6: RECOMMENDATIONS

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The recommendations in this chapter are organized into two sections.

- The first section includes a toolbox of infrastructure recommendations that can be applied systemically or through individual projects. This toolbox provides a menu to select from when improving VRU safety in the HRAs discussed herein as well as along other intersections and corridors in the state.
- The second section includes a set of policy and program recommendations that can be applied strategically to reduce fatal and serious injury VRU crashes in the state.

### Infrastructure Recommendations

Many of the HRAs across the state accommodate multiple transportation modes and land use functions. Some serve both large through-traffic vehicular volumes as well as many people biking and walking. High vehicular speeds, lack of pedestrian facilities, and steep topography were often cited as key risk factors associated with these corridors. Many of them are located near pedestrian generators like schools, college campuses, grocery stores, parks, and other key community destinations and commercial hubs.

The following toolbox provides a menu of infrastructure recommendations that may be applicable for implementation along the HRAs as well as for other systemic VRU safety projects across the state. Given the number of HRAs identified across the state, this strategic-level assessment does not offer specific recommendations for each corridor. However, during the consultation process, many agency partners suggested potential countermeasures that might address the concerns they have experienced. These notes are included in Chapter 7. For each HRA, further corridor-level analysis will be key to boiling these statewide strategies down into site-specific, implementable projects. The toolbox aims to include proven safety countermeasures that can improve VRU safety in urban, suburban, and rural contexts. They are based on FHWA, the National Cooperative Highway Research Program, and other established sources. Some treatments are shorter term and quicker build, while others require a longer implementation timeline.

**Table 6-1. High-Risk Area Infrastructure Toolkit**

Countermeasure	Source	Pedestrian / Bicyclist Safety	Intersection / Segment Context	Signalized / Unsignalized Context	Urban / Rural Context	Low Cost?	Crash Modification Factor (CMF)	CMF Resource	Notes
Leading Pedestrian Intervals (LPIs) and Leading Bicycle Intervals (LBIs)	FHWA Proven Safety Countermeasures	Both	Intersection	Signalized	Both	Yes	0.87	CMF Clearinghouse ID = 9918	
Walkways (Sidewalks)	FHWA Proven Safety Countermeasures	Pedestrian	Both	Both	Both	No	0.60	CMF Clearinghouse ID = 11246	The CMF shown is for sidewalks. Paved shoulders have a wide range of CMFs.
Rectangular Rapid Flashing Beacons (RRFBs)	FHWA Proven Safety Countermeasures	Both	Both	Unsignalized	Both	No	0.53	CMF Clearinghouse ID = 9024	
High-Visibility Crosswalks	FHWA Proven Safety Countermeasures	Pedestrian	Both	Both	Both	Yes	0.60	CMF Clearinghouse ID = 4123	
Median Islands Pedestrian Refuges/ Crossing Islands	FHWA Proven Safety Countermeasures	Pedestrian	Both	Both	Urban	No	0.44	FHWA-SA-21-044	
Road Diet	FHWA Proven Safety Countermeasures	Both	Both	Both	Both	No	0.53-0.81	CMF Clearinghouse ID = 5554 & 2841	
Bicycle Lanes	FHWA Proven Safety Countermeasures	Both	Segment	Both	Both	No	0.51-0.70	FHWA-SA-21-051	This treatment is useful in roadway repaving and excess road width. Reference the FHWA Bikeway Selection Guide when selecting the appropriate treatment and degree of separation from motor vehicle traffic.
Improved Lighting	FHWA Proven Safety Countermeasures	Both	Both	Both	Both	No	0.58-0.72	CMF Clearinghouse ID = 436, 433, 192, 2376	
Appropriate Speed Limits for All Road Users	FHWA Proven Safety Countermeasures	Both	Both	Both	Both	Yes	Varies		
Road Safety Audit	FHWA Proven Safety Countermeasures	Both	Both	Both	Both	NA	0.40-0.90	FHWA-SA-12-037, FHWA-SA-06-06	This reflects implementing recommendations from the RSA report. The RSA alone does no result in crash reduction.
Advance Stop/Yield Lines	NCHRP Report 926	Both	Segment	Unsignalized	Both	Yes	0.75	Zegeer et al. 2017	Referenced CMF is for vehicle-pedestrian crashes.
All-Walk Phase	NCHRP Report 926	Pedestrian	Intersection	Signalized	Urban	Yes	0.66	ITE 2004	
Bicycle Lane Extension Through Intersections	NCHRP Report 926	Bicyclist	Intersection	Both	Both	Yes	--		
Bike Boxes	NCHRP Report 926	Bicyclist	Intersection	Signalized	Both	Yes	--		
Continuous Raised Medians or Hardened Centerlines	NCHRP Report 926	Both	Both	Both	Both	Mostly	0.54* 0.69**	*for all crashes (FHWA-SA-07-015) **for vehicle-pedestrian crashes for raised medians (Zegeer et al. 2017)	Hardened centerlines and other tactical treatments are often low cost; concrete medians are not.
Crossing Barriers	NCHRP Report 926	Both	Both	Both	Both	No	--		
Curb Extensions/ Bumpouts	NCHRP Report 926	Pedestrian	Intersection	Both	Urban	No	--		
Curb Radius Reduction	NCHRP Report 926	Both	Intersection	Both	Urban	No	--		
Gateway Treatments (R1-6 Signs)	NCHRP Report 926	Pedestrian	Segment	Unsignalized	Both	Yes	--		
Grade-Separated Crossings	NCHRP Report 926	Both	Both	Both	Both	No	0.87	ITE 2004	Referenced CMF is for vehicle-pedestrian crashes.
In-Street Pedestrian Crossing Signs	NCHRP Report 926	Pedestrian	Segment	Unsignalized	Both	Yes	--		
Mini-Traffic Circles	NCHRP Report 926	Both	Intersection	Unsignalized	Both	Mostly	--		
Mixing Zone Treatments	NCHRP Report 926	Bicyclist	Intersection	Signalized	Both	Mostly	--		
Parking Restrictions at Crossing Locations/ Daylighting	NCHRP Report 926	Both	Intersection	Both	Both	Yes	0.7	Gan et al. 2005	Referenced CMF is for vehicle-pedestrian crashes.

**Table 6-1. High-Risk Area Infrastructure Toolkit (continued)**

Countermeasure	Source	Pedestrian / Bicyclist Safety	Intersection / Segment Context	Signalized / Unsignalized Context	Urban / Rural Context	Low Cost?	Crash Modification Factor (CMF)	CMF Resource	Notes
Passive Bicycle Signal Detection	NCHRP Report 926	Bicyclist	Intersection	Signalized	Both	No	--		
Pedestrian Countdown Timers	NCHRP Report 926	Pedestrian	Intersection	Signalized	Both	Yes	-0.92	CMF Clearinghouse ID = 8790, 10115	Current implementation across the Commonwealth for VRU HSIP requirements.
Protected Intersections	NCHRP Report 926	Bicyclist	Intersection	Signalized	Urban	No	--		
Protected Phases	NCHRP Report 926	Both	Intersection	Signalized	Urban	No	0.64	ITE 2004	Referenced CMF is for exclusive pedestrian phase for vehicle-pedestrian crashes.
Raised Crossings	NCHRP Report 926	Both	Both	Unsignalized	Urban	No	0.49-0.54	For fatal/injury crashes on entrances or exits to streets and driveways (Schepers et al. 2011)	
Traffic Signals	NCHRP Report 926	Both	Intersection	Signalized	Both	No	Varies		
Two-Stage Bicycle Turn Queue Boxes	NCHRP Report 926	Bicyclist	Intersection	Both	Both	Yes	--		
Provide Vehicle Restriction/Diversion Measures	NCHRP Report 500 Vol 10	Both	Both	Both	Both	Sometimes			
Increase Pedestrian Crossing Time	CMF Clearinghouse	Both	Intersection	Signalized	Both	Yes	0.49	CMF Clearinghouse ID = 5252	
Chicane (Traffic calming)	PennDOT Pub 383	Both	Segment	Unsignalized	Both	Sometimes	--		
On-Street Parking (Traffic calming)	PennDOT Pub 383	Both	Segment	Both	Both	Yes	Varies		
Speed Hump (Traffic calming)	PennDOT Pub 383	Both	Segment	Both	Both	Yes	0.50-0.60	CMF Clearinghouse ID = 132, 134	
Speed Cushion (Traffic calming)	PennDOT Pub 383	Both	Segment	Both	Both	Yes	-		
Semi-Diverter (Traffic calming)	PennDOT Pub 383	Both	Both	Both	Both	Sometimes	-		
Diagonal Diverter (Traffic calming)	PennDOT Pub 383	Both	Intersection	Both	Both	Sometimes	-		
Right-In / Right-Out Island (Traffic calming)	PennDOT Pub 383	Both	Intersection	Both	Both	Sometimes	-		
Raised Median Through Intersection (Traffic calming)	PennDOT Pub 383	Both	Intersection	Both	Both	Sometimes	--		
Street closure (Traffic calming)	PennDOT Pub 383	Both	Both	Both	Both	Sometimes	--		



### Sources:

Chen et al. 2012, “Analysis of Risk Factors Affecting the Severity of Intersection Crashes by Logistic Regression”: <https://www.tandfonline.com/doi/abs/10.1080/15389588.2011.653841>

Crash Modification Factors (CMF) Clearinghouse: <https://www.cmfclearinghouse.org/index.php>

Delaware Valley Regional Planning Commission (DVRPC) Bicycle-Bus Conflict Area Study: <https://www.dvrpc.org/reports/09041.pdf>

FHWA *Guide for Improving Pedestrian Safety at Uncontrolled Crossing Locations*: [https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-07/STEP\\_Guide\\_for\\_Improving\\_Ped\\_Safety\\_at\\_Unsig\\_Loc\\_3-2018\\_07\\_17-508compliant.pdf](https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-07/STEP_Guide_for_Improving_Ped_Safety_at_Unsig_Loc_3-2018_07_17-508compliant.pdf)

FHWA *Proven Safety Countermeasures*: <https://highways.dot.gov/safety/proven-safety-countermeasures>

FHWA-SA-06-06, *Road Safety Audit Guidelines*: [https://safety.fhwa.dot.gov/rsa/guidelines/documents/FHWA\\_SA\\_06\\_06.pdf](https://safety.fhwa.dot.gov/rsa/guidelines/documents/FHWA_SA_06_06.pdf)

FHWA-SA-07-015, *Desktop Reference for Crash Reduction Factors*: <https://rosap.ntl.bts.gov/view/dot/16438>

FHWA-SA-12-037, *Road Safety Audits: An Evaluation of RSA Programs and Projects*: [https://safety.fhwa.dot.gov/rsa/case\\_studies/fhwasal2037/fhwasal2037.pdf](https://safety.fhwa.dot.gov/rsa/case_studies/fhwasal2037/fhwasal2037.pdf)

FHWA-SA-21-044, *Medians and Pedestrian Refuge Islands in Urban and Suburban Areas*: [https://highways.dot.gov/sites/fhwa.dot.gov/files/Medians%20and%20Pedestrian%20Refuge%20Islands\\_508.pdf](https://highways.dot.gov/sites/fhwa.dot.gov/files/Medians%20and%20Pedestrian%20Refuge%20Islands_508.pdf)

FHWA-SA-21-051, *Bicycle Lanes*: [https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-08/PSC\\_New\\_Bicycle%20Lanes.pdf](https://highways.dot.gov/sites/fhwa.dot.gov/files/2022-08/PSC_New_Bicycle%20Lanes.pdf)

Gan et al. 2005, “Update of Florida Crash Reduction Factors and Countermeasures to Improve the Development of District Safety Improvement Projects”

ITE. 2004. *Toolbox of Countermeasures and Their Potential Effectiveness to Make Intersections Safer*. Briefing Sheet 8. Institute of Transportation Engineers and Federal Highway Administration. Washington, D.C.

National Association for City Transportation Officials (NACTO) *Urban Street Design Guide*: <https://nacto.org/publication/urban-street-design-guide/>

National Cooperative Highway Research Program (NCHRP) Report 926, *Guide to Improve Pedestrian and Bicyclist Safety at Intersections*: <https://www.trb.org/Main/Blurbs/180624.aspx>

NCHRP Report 617, *Accident Modification Factors for Traffic Engineering and ITS Improvements*: <http://elibrary.pcu.edu.ph:9000/digi/NA02/2008/13899.pdf>

New York City Department of Transportation Turn Calming Program: <https://www.nyc.gov/html/dot/html/pedestrians/turn-calming.shtml>

Schepers et al. 2011, “Road Factors and Bicycle-Motor Vehicle Crashes at Unsignalized Priority Intersections”: <https://www.portland.gov/sites/default/files/2020-06/schepers.-road-factors-and-bmv-crashes.-2011.pdf>

Zegeer et al. 2017, “Development of Crash Modification Factors for Uncontrolled Pedestrian Crossing Treatments”

## Policy and Program Recommendations

As discussed in previous chapters, a Safe System requires redundancy. While improved infrastructure that slows vehicular speeds, provides positive guidance to travelers of all modes, and dedicates space for pedestrians and cyclists will create layers of protection for VRUs, additional policy and program efforts are critical to educate, enforce, and mobilize safety strategies. Various policy and program recommendations are described below and can be implemented on a local, regional, and/or statewide scale.

1. **Road Diet Screening** – A road diet (also called roadway reconfiguration) makes modifications to the street cross section such that the number, width, or use of lanes in the curb-to-curb space is reduced or repurposed. According to FHWA, reducing a four-lane roadway to a three-lane roadway can reduce total crashes by between 19 and 47 percent. Road diets can slow vehicular speeds and dedicate space to cyclists and pedestrians. As such, this is a key treatment in the VRU safety toolkit.

A road diet screening process would allow this tool to be implemented more broadly and quickly across the state. It could take the form of a map that highlights a combination of a four-lane, undivided cross section and annual average daily traffic below a certain threshold. PennDOT and Planning Partners could also outline a step-by-step process for evaluating road diets, perhaps consistent with *Roadway Reallocation: A Guide* (National Cooperative Highway Research Program Report 1036), including evaluation metrics and necessary analyses. The goal of this program would be to consistently implement more road diets across the state, particularly where they can be most effective at reducing severe VRU crashes.

2. **Proactive Road Safety Audit Program** – A Road Safety Audit involves a formal, independent, multidisciplinary review of safety performance along a roadway. In some cases, these audits are conducted after severe crashes have already occurred. The state, planning partners, and municipalities should instead move toward a more proactive approach, conducting road safety audits on corridors and in areas that have systemic risk factors which might lead to increased crash severity, particularly for VRUs. A step-by-step process for consistently conducting a road safety audit, documenting results, and addressing concerns will ensure the most effective use.

For several HRAs, severe VRU crashes occurred at night. Performing road safety audits at night or capturing nighttime video can help agencies better identify behavior and infrastructure factors that are leading to these events, including potentially impairment, lack of lighting, speeding, etc.

3. **Investigation of Speed Management Options** – Managing vehicular speeds is key to improving VRU safety. During the consultation process, local agency officials cited speed as a potential factor contributing to VRU crash frequency and severity for many HRAs. While infrastructure improvements are foundational to reducing speeds, so too are designing to target speeds, setting appropriate speed limits, and performing effective speed enforcement.
4. **Incorporation of HRAs into the Capital Program** – The HRAs discussed herein are corridors where severe VRU crashes have occurred over the past several years. As such, these are key corridors that should be prioritized by PennDOT and Planning Partners for capital program funding.
5. **Use Existing Tools to Evaluate Intersection Traffic Control** – PennDOT's Intersection Control Evaluation (ICE) policy and corresponding tools must be utilized to evaluate intersection traffic control. These tools can help municipalities and agencies make determinations about the type of intersection control that will best serve the various needs of an intersection, including

improved VRU safety. These tools will help agencies assess the effectiveness of two-way stop control, all-way stop control, signalization, or implementation of a roundabout or other intersection configurations.

- 6. *Process to Upgrade Bicycle Facilities*** – For certain roadways, dedicated bicycle facilities are needed to create a route that is safe and accessible for all riders. On heavier volume and/or higher speed roadways, typically there is a need for more separation and a physical barrier to enhance the safety and comfort of cyclists. Roadways with notable observed bicycle crash histories or potential crashes should be upgraded with improved bicycle facilities. This may mean upgrading from typical bike lanes to separated bike lanes or from a buffered bike lane to a shared use path. It may also involve adding signs, green paint, or flexible delineators posts.

Like road diet screening, the process to upgrade bicycle facilities in a municipality or region could involve a step-by-step process for evaluating the effectiveness of current facilities and identifying key upgrades that will move the needle on cyclist safety. A map could also be developed that analyzes where existing facilities are not adequate based on traffic speeds and volumes. PennDOT Engineering District 6-0, for example, routinely evaluates repaving projects to identify opportunities for incorporating bicycle facilities to improve cyclist safety; this approach could be considered elsewhere in Pennsylvania.

- 7. *Safe Routes to School Programs*** – As noted in Chapter 4, proximity to schools was identified as a risk factor for VRU safety. PennDOT has a Safe Routes to School (SRTS) program that uses both Federal and state funds to create safer school access. Federal funding is provided through the Transportation Alternatives Set-Aside (TASA). Funding is available for bicycle and pedestrian education activities and for design and construction of bicycle and pedestrian facilities within two miles of schools serving students from kindergarten through grade 12.

Because many of the high-risk areas identified in Chapter 3 are located near schools, PennDOT may wish to prioritize locations within high-risk areas when considering SRTS applications.

- 8. *Enhanced Implementation of “Countermeasures That Work”*** – PennDOT has a Behavioral Traffic Safety Unit that serves as the state highway safety office for Pennsylvania. In that role, the organization focuses on a number of areas of highway safety that are not explicitly and directly related to infrastructure. These include:

- Occupant protection
- Impaired driving
- Speed enforcement
- Drowsy, distracted and aggressive driving
- Motorcycle, pedestrian and bicycle safety
- Highway safety information systems

Just as the *Proven Safety Countermeasures* document mentioned previously is the primary guidebook for infrastructure-based safety, the National Highway Traffic Safety Administration's *Countermeasures That Work* provides strategies for state highway safety offices. The following tables of countermeasures are taken directly from Chapter 8 (Pedestrian Safety) and Chapter 9 (Bicyclist Safety) of the Tenth Edition (2020) of *Countermeasures That Work*. Continued focus on those areas that mostly clearly demonstrate effectiveness (shown by a five-, four-, or three-star rating) is expected to create meaningful reductions in fatalities and suspected serious injuries involving VRUs.

Note: The following information is taken directly from:

Venkatraman, V., Richard, C. M., Magee, K., & Johnson, K. (2021, July). *Countermeasures that work: A highway safety countermeasures guide for State Highway Safety Offices*, 10th edition, 2020 (Report No. DOT HS 813 097). National Highway Traffic Safety Administration.

## **Pedestrian Safety Countermeasures**

### **1. Preschool-Age Children**

<b>Countermeasure</b>	<b>Effectiveness</b>	<b>Cost</b>	<b>Use</b>	<b>Time</b>
1.1 Children's Safety Clubs	☆	Varies	Unknown	Unknown
1.2 Child Supervision	☆	\$	Unknown	Short

### **2. School-Age Children**

<b>Countermeasure</b>	<b>Effectiveness</b>	<b>Cost</b>	<b>Use</b>	<b>Time</b>
2.1 Elementary-Age Child Pedestrian Training	★ ★ ★	\$	Unknown	Short
2.2 Safe Routes to School	★ ★ ★	\$	High	Short
2.3 Walking School Buses	★ ★ ★	\$	Low	Short
2.4 Child School Bus Training	☆ ☆	\$	High	Short

### **3. Impaired Pedestrians**

<b>Countermeasure</b>	<b>Effectiveness</b>	<b>Cost</b>	<b>Use</b>	<b>Time</b>
3.1 Communications and Outreach Addressing Impaired Pedestrians	☆ ☆	Varies	Low	Medium
3.2 "Sweeper" Patrols of Impaired Pedestrians	☆	\$\$	Low	Medium



#### 4. All Pedestrians

Countermeasure	Effectiveness	Cost	Use	Time
4.1 Pedestrian Safety Zones	★★★★	\$\$\$	Low	Medium
4.2 Reduce and Enforce Speed Limits	★★★	\$	High	Varies
4.3 Conspicuity Enhancement	★★★	\$	Low	Medium
4.4 Enforcement Strategies	★★★	\$\$	Low	Short
4.5 Driver Training	☆	\$	Low	Medium
4.6 Pedestrian Gap Acceptance Training	☆	\$\$	Unknown	Medium
4.7 University Educational Campaign	☆	\$	High	Medium

### Bicycle Safety Countermeasures

#### 1. Children

Countermeasure	Effectiveness	Cost	Use	Time
1.1 Bicycle Helmet Laws for Children	★★★★★	\$\$	Medium	Short
1.2 Safe Routes to School	★★★	\$	High	Short
1.3 Bicycle Safety Education for Children	☆☆	\$	Unknown	Short
1.4 Cycling Skills Clinics, Bike Fairs, Bike Rodeos	☆	\$	Unknown	Short

#### 2. Adults

Countermeasure	Effectiveness	Cost	Use	Time
2.1 Bicycle Helmet Laws for Adults	★★★★	\$	Low	Short
2.2 Bicycle Safety Education for Adult Cyclists	☆	\$\$	Low	Medium

### 3. All Bicyclists

Countermeasure	Effectiveness	Cost	Use	Time
3.1 Active Lighting and Rider Conspicuity	★ ★ ★	\$	High*	Varies
3.2 Promote Bicycle Helmet Use with Education	☆ ☆	\$\$\$	Medium	Medium
3.3 Enforcement Strategies	☆	\$\$	Unknown	Varies
3.4 Motorist Passing Bicyclist Laws	☆	\$	Medium	Short

\* High for active lighting laws; unknown for promoting other conspicuity measures.

### 4. Drivers and Bicyclists

Countermeasure	Effectiveness	Cost	Use	Time
4.1 Driver Training	☆	\$	Low	Medium
4.2 <i>Share the Road</i> Awareness Programs	☆ ☆	\$\$	Unknown	Medium

### Key to Countermeasures That Work

#### Effectiveness:

- ★ ★ ★ ★ ★ Demonstrated to be effective by several high-quality evaluations with consistent results
- ★ ★ ★ ★ Demonstrated to be effective in certain situations
- ★ ★ ★ Likely to be effective based on balance of evidence from high-quality evaluations or other sources
- ☆ ☆ Effectiveness still undetermined; different methods of implementing this countermeasure produce different results
- ☆ Limited or no high-quality evaluation evidence

Effectiveness is measured by reductions in crashes or injuries unless noted otherwise.

See individual countermeasure descriptions for information on effectiveness size and how effectiveness is measured.

#### Cost to implement:

- \$\$\$ Requires extensive new facilities, staff, equipment, or publicity, or makes heavy demands on current resources
- \$\$ Requires some additional staff time, equipment, facilities, and/or publicity
- \$ Can be implemented with current staff, perhaps with training; limited costs for equipment or facilities

These estimates do not include the costs of enacting legislation or establishing policies.

**Use:**

High	More than two-thirds of the States, or a substantial majority of communities
Medium	One-third to two-thirds of States or communities
Low	Less than one-third of the States or communities
Unknown	Data not available

**Time to implement:**

Long	More than 1 year
Medium	More than 3 months but less than 1 year
Short	3 months or less

These estimates do not include the time required to enact legislation or establish policies.

