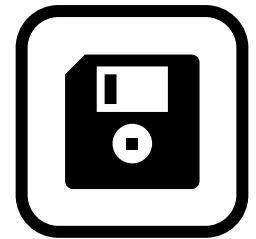


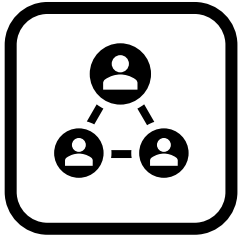
# **MCDITE Annual Meeting**

York County Planning Commission- April 16, 2026

York Area MPO: The Intersection of Congestion and Freight Planning



# Congestion Data Analysis



# Analysis Overview

## Where is the data coming from?

### - District 8 Data Dashboard

**Susquehanna MPO**

York ▼

**Custom Corridor**

▼

**Road Classification**

All ▼

Clear all filters

**Road Name**

Search

- 11A
- 11B
- 127 Spur
- 13
- 14
- 15
- 16
- 16A
- 16B
- 17
- 172nd Aly
- 18

**XD ID**

XD_ID_Int	TTI	PTI
128256044	0.50	0.99
128256044	0.54	1.26
128256044	0.59	1.08
128256044	0.63	0.99
128256044	0.63	1.08
128256044	0.68	1.17
128256044	0.72	1.26
128256044	0.77	0.99
128256044	0.77	1.04
128256044	0.81	0.99
128256044	0.81	1.04
128256044	0.81	1.04

Map data © OpenStreetMap contributors, CC-BY-SA Powered by Esri

**TTI by Month and Day**

● Average of TTI ● Target

**Avg Speed**

33

**Total Miles**

10.4M

**Average Truck %**

5

**Posted Travel Time**  
Beta/Testing

00:44

**Average of PTI**

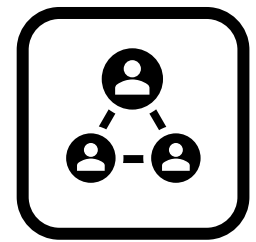
**Average of TTI**

Between Dates

Weekday

Hour

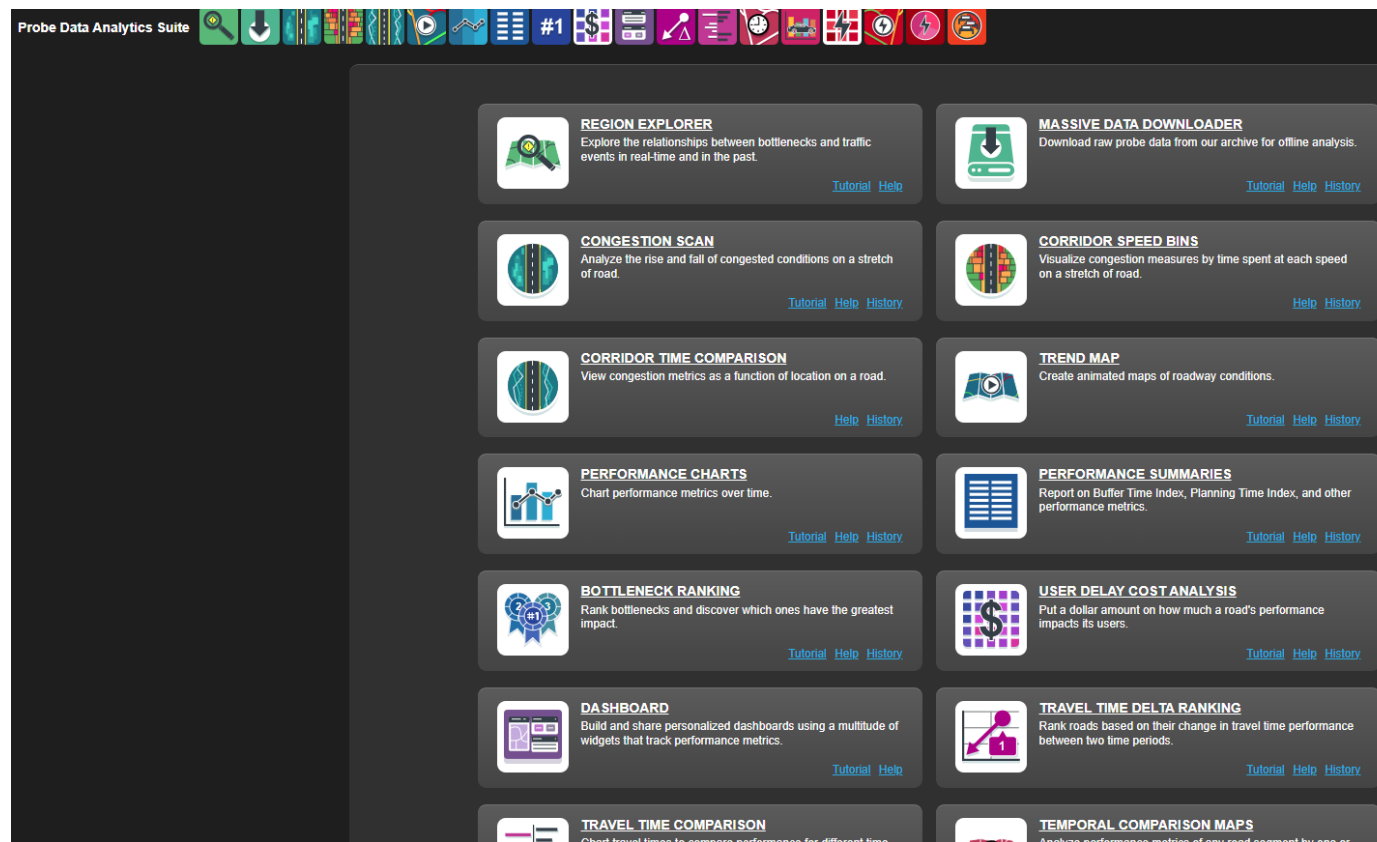
Route #



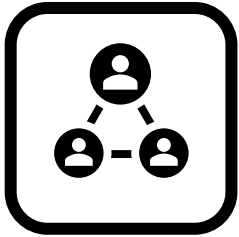
# Analysis Overview

Where is the data coming from?

- RITIS (Regional Integrated Transportation Information System) VPP Suite



<https://pda.ritis.org/suite/>



# Where We Started

## Stage 1 of CMP: TTI Congestion Threshold (2018)

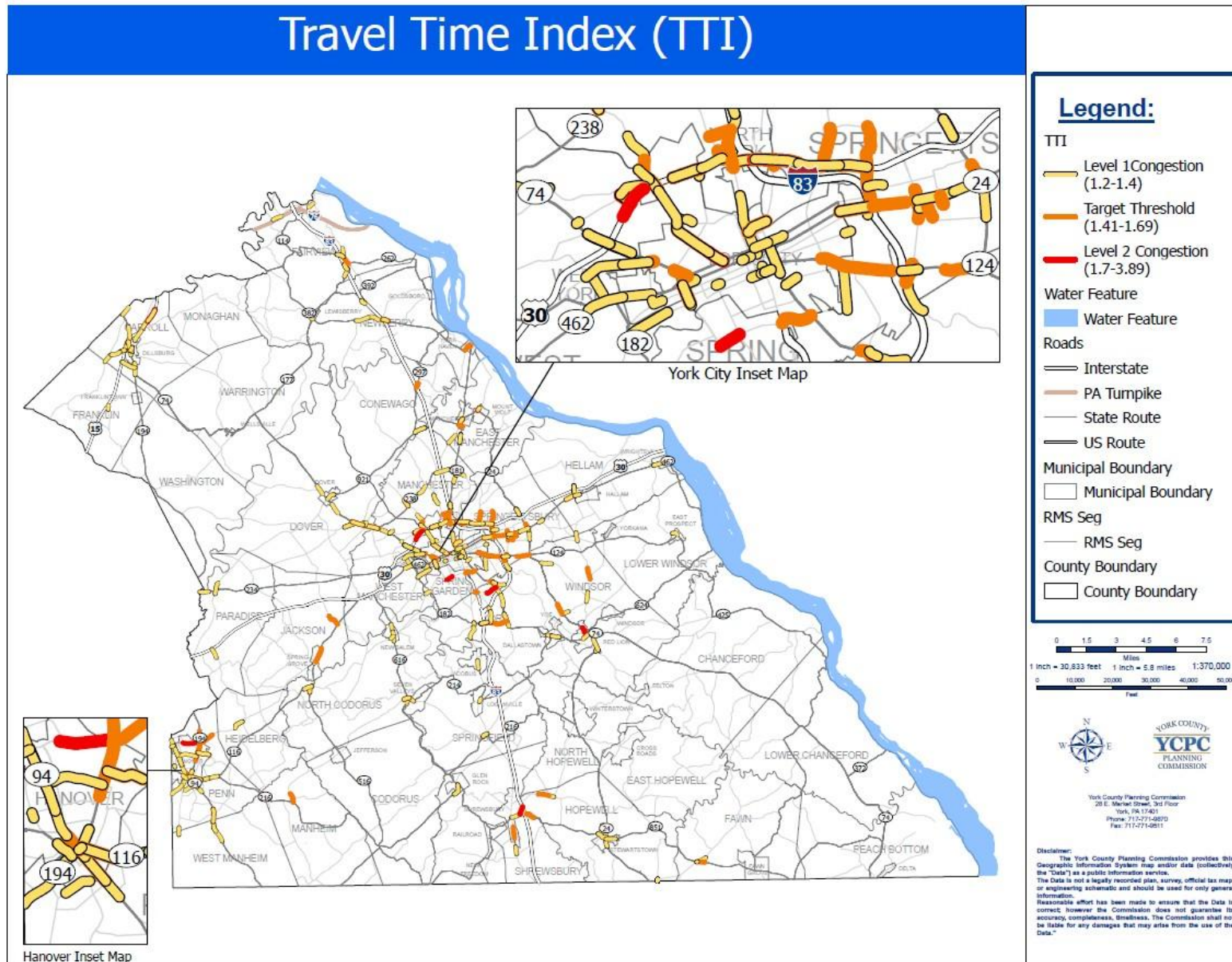
	Delay	Level 1 Congestion	Stage 1 Target Threshold	Level 2 Congestion
Travel Time Index	1.2	1.4	1.5	1.7
Segments	499	101	75	59
Miles	66.89	10.40	6.21	5.40
Percent of Miles	75.24	11.70	6.99	6.07

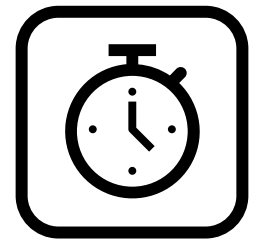
### 2021-2024 TTI Range and Mileage

	No Delay	Delay	Level 1 Congestion	Stage 1 Target Threshold	Level 2 Congestion
<b>Travel Time Index Range</b>	1.0 or less	1.01 -1.2	1.21-1.4	1.41-1.69	1.7 and greater
<b>Miles</b>	858.23	1589.93	64.72	22.07	5.35



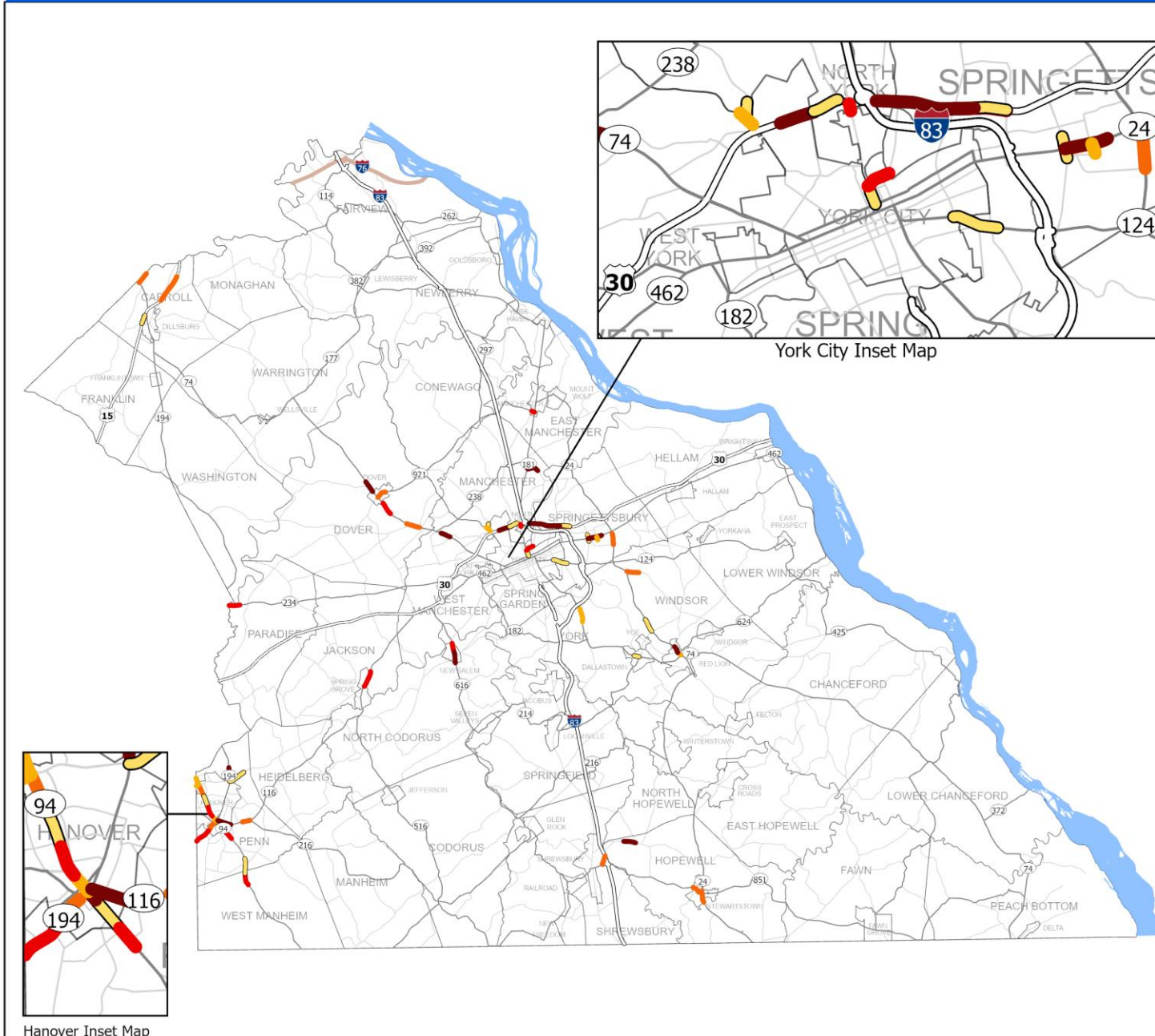
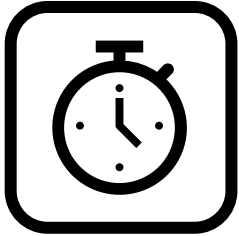
# Travel Time Index (TTI) Map





# Delay per Vehicle

# Top 75 Delay Per Vehicle Rankings



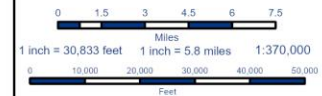
## Legend:

### Top 75 Delay Per Vehicle

- 1 - 15
- 16 - 30
- 31 - 45
- 46 - 60
- 61 - 75
- Water Feature

### Roads

- Interstate
- PA Turnpike
- State Route
- US Route
- Municipal Boundary
- RMS Seg
- County Boundary



York County Planning Commission  
28 E. Market Street, 3rd Floor  
York, PA 17401  
Phone: 717-771-5870  
Fax: 717-771-9511

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Hanover Inset Map

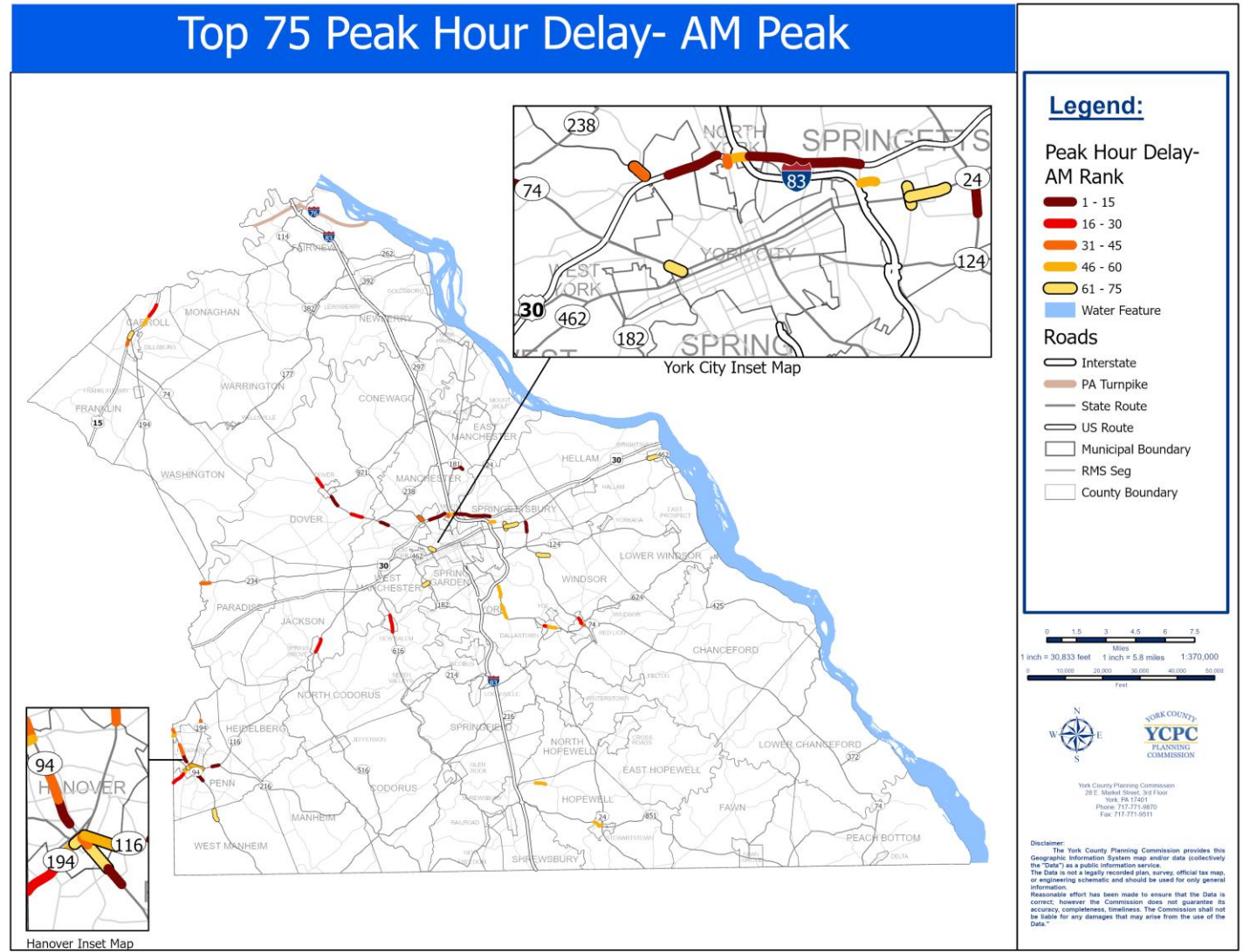
York City Inset Map



# Peak Hour Analysis

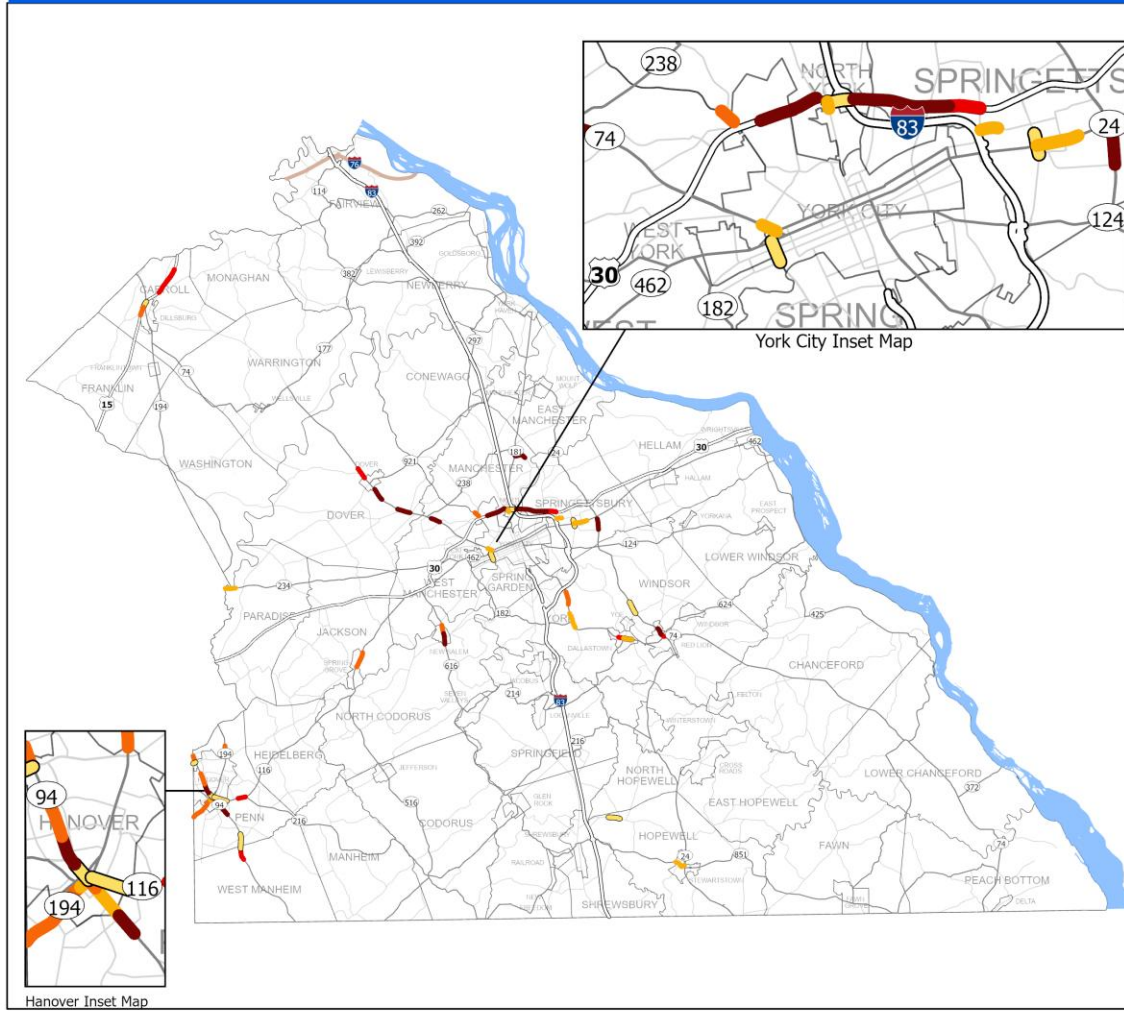
# Morning Peak [7:00-9:00 AM]

- Using RITIS VPP Suite temporal comparison tool
- Collected the average speed for weekday rush hours and compared it to the free flow conditions
- Where are the most drivers being delayed



# Evening Peak [4:00-6:00 PM]

## Top 75 Peak Hour Delay- PM Rank



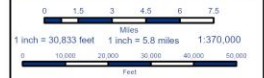
### Legend:

#### Peak Hour Delay- PM Rank

- 1 - 15
- 16 - 30
- 31 - 45
- 46 - 60
- 61 - 75
- Water Feature

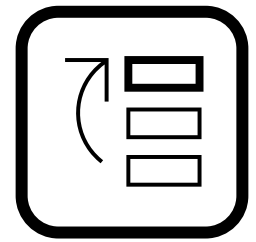
#### Roads

- Interstate
- PA Turnpike
- State Route
- US Route
- Municipal Boundary
- RMS Seg
- County Boundary



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# Prioritization

# Prioritization Matrix

## Network Significance

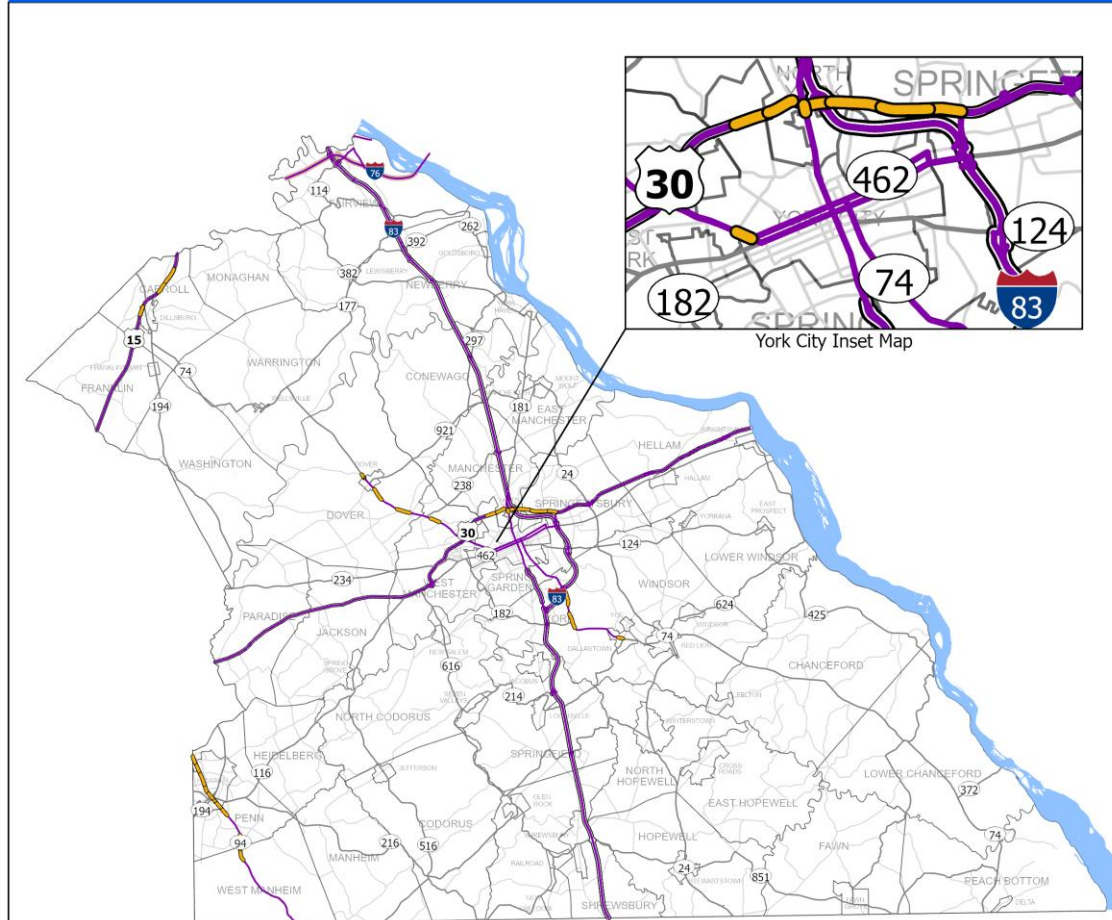
- On the National Highway System
- Fixed Route Service
- Located near a 2027 TIP Project
- Identified by 2024 Congestion Survey
- On York County's Core Freight Network
- Crash Excess Value

## Operational Importance

- ADTT
- Delay per Vehicle
- Morning Peak Vehicle Hours of Delay
- Evening Peak Vehicle Hours of Delay

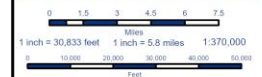
# National Highway System

## National Highway System (NHS)



### Legend:

- Water Feature
- Roads**
- Interstate
- PA Turnpike
- State Route
- US Route
- Municipal Boundary
- RMS Seg
- County Boundary
- Top 75 on NHS
- NHS

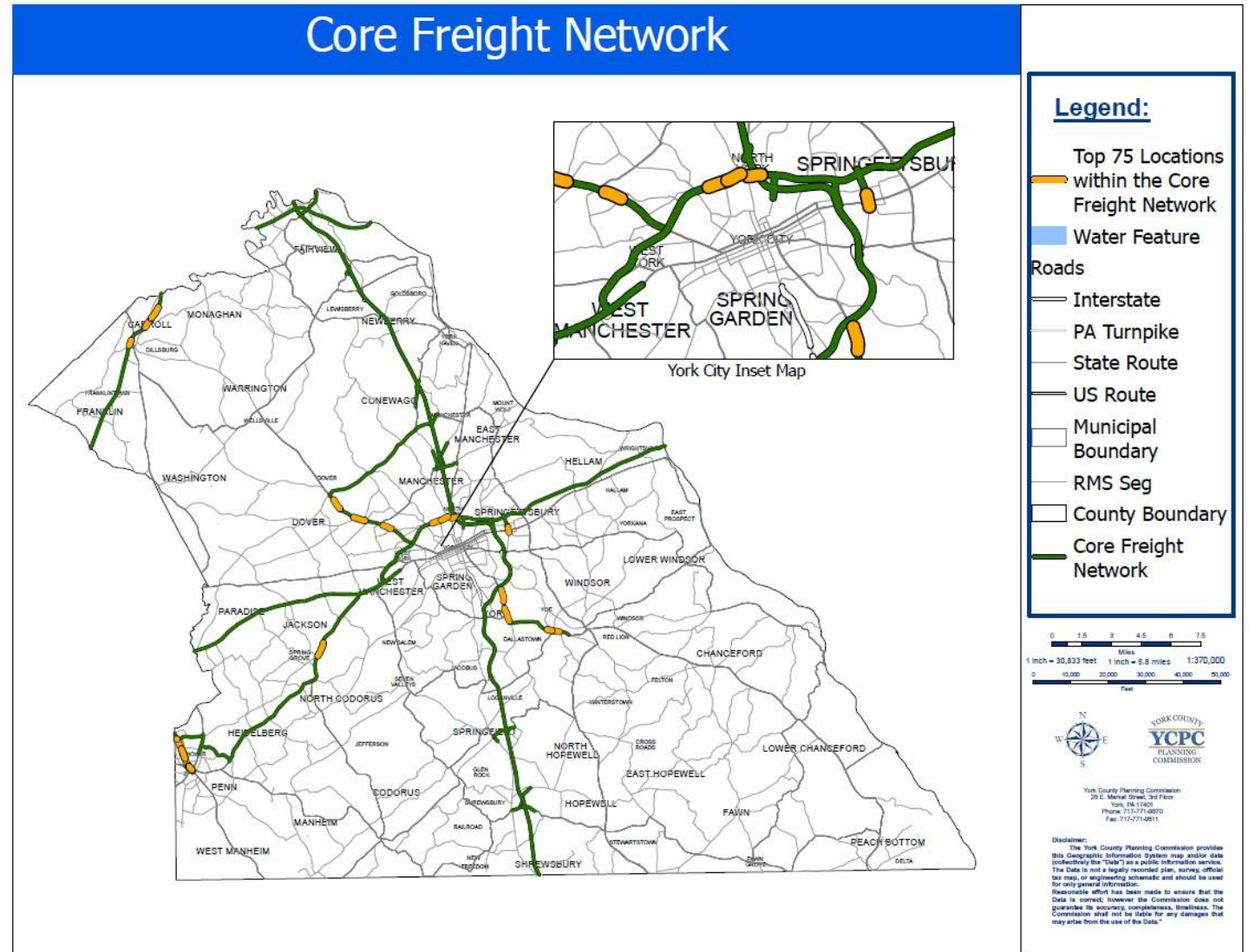


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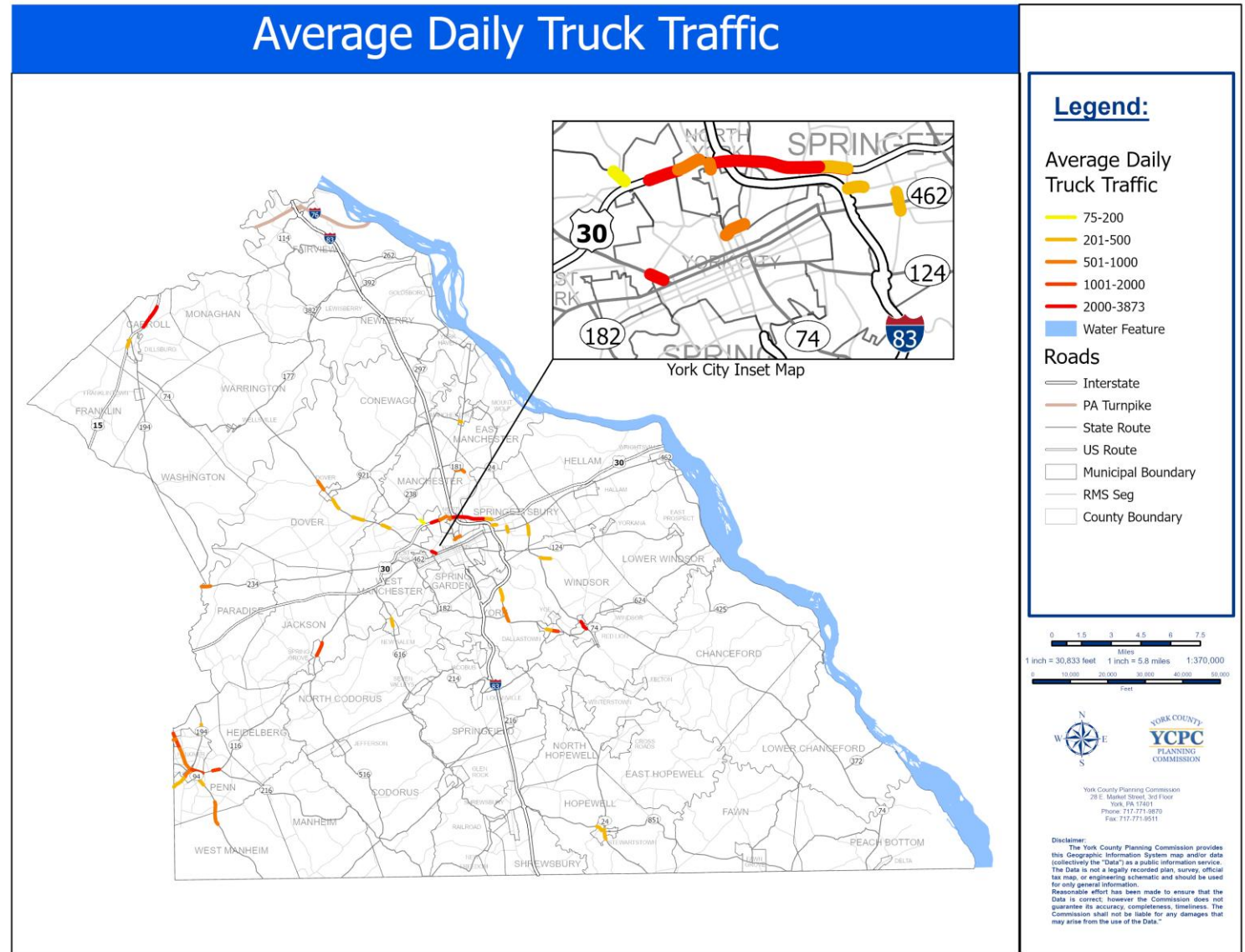
# Core Freight Network

- From YAMPO's 2023 Freight Plan



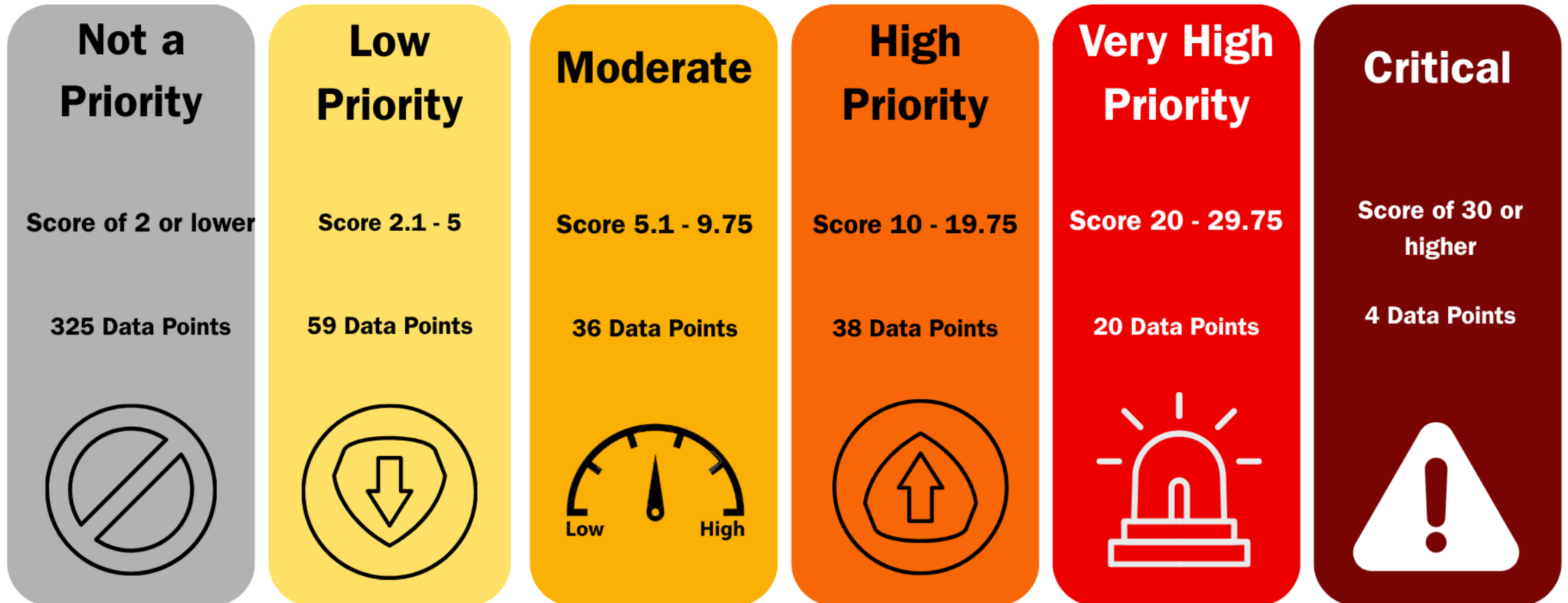
# Truck Traffic

- Previous CMP prioritized road segments with 1,000 truck volumes





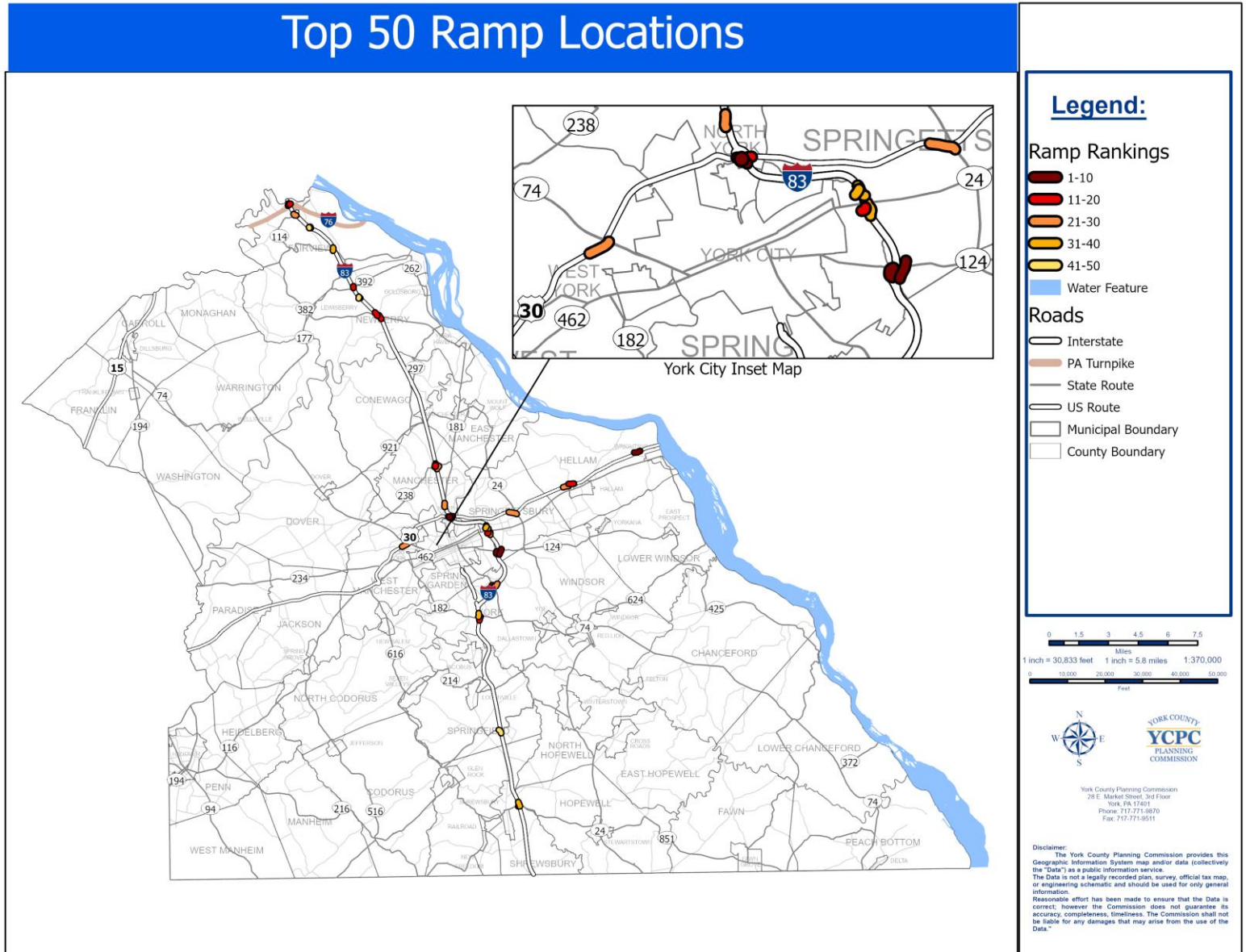
# Final Matrix Outcomes




# Ramp Prioritizations:

## Top 10 ramps:

1. I-83 Exit 24 Southbound (Church Road)
2. I-83 Exit 24 Northbound (Church Road)
3. I-83 Exit 22 Southbound (Lightner Road)
4. I-83 Exit 21 Southbound (Market Street)
5. I-83 Southbound Market Street Entrance
6. I-83 Exit 22 Southbound (George Street)
7. I-83 Exit 16A Southbound
8. I-83 Northbound Church Road Entrance
9. I-83 Northbound Queen Street Entrance
10. US-30 Westbound Exit at Cool Springs Road



# 2027 TIP Projects to Address Congestion

- Interstate 83 North York Widening Project
- Interstate 83 southbound Exit 24 off ramp improvements
- Church Road westbound widening
- Eisenhower Drive/Moulstown Road & Broadway intersection improvements 

## Future TIP Projects to Address Congestion

- Interstate 83- Exit 26 (New Interchange)
- North George St. (SR 181) and Emig Road Northern Diversion



JOHNSON, MIRMIRAN & THOMPSON

## ALTERNATIVE 1B

SR 0194 - SR 3072 - EISENHOWER DR  
NORTHBOUND & WESTBOUND LANE ADDITIONS



# Freight Planning and Congestion



# Truck Parking Capacity & Forecast

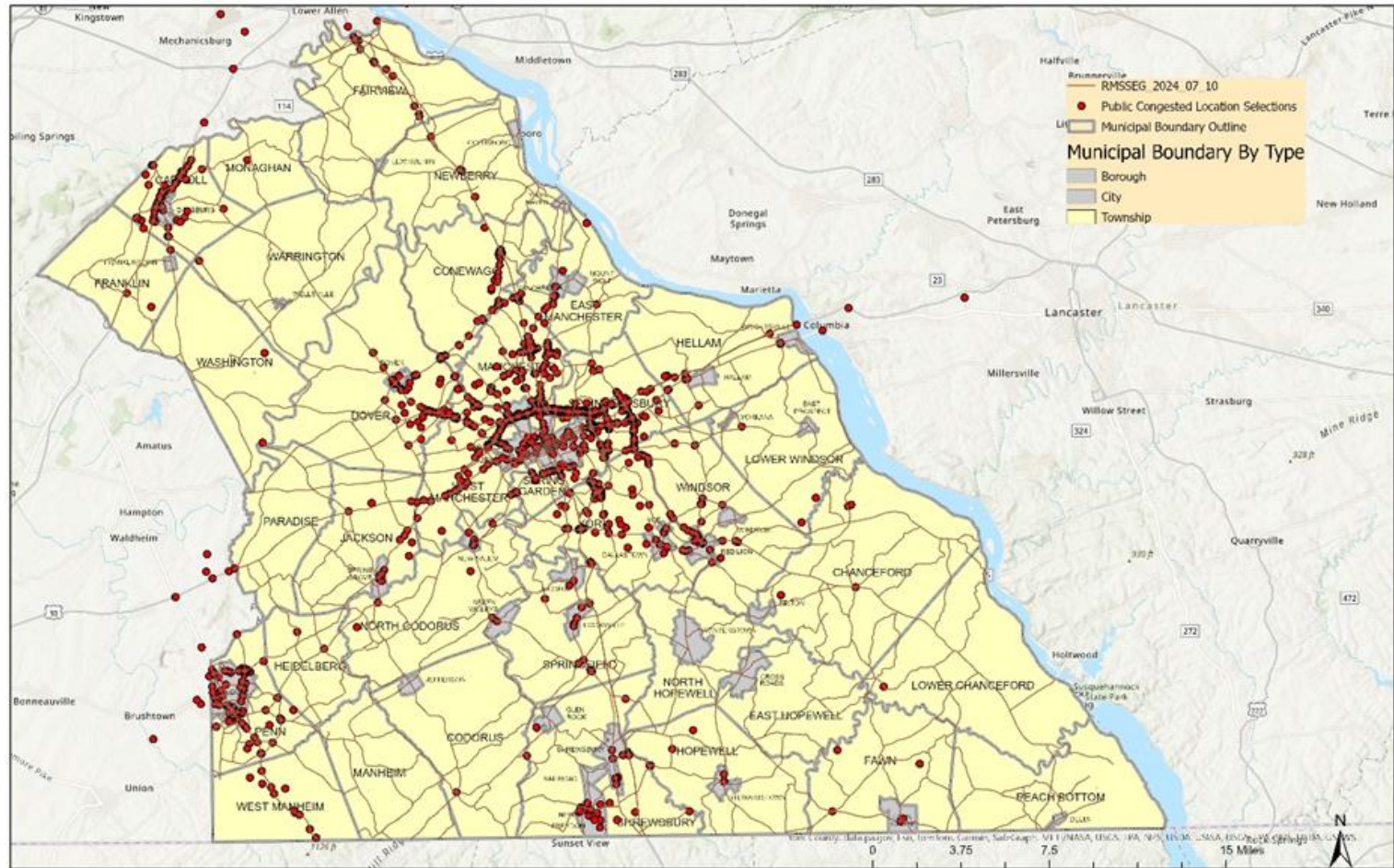
- *Get higher quality screenshots of truck parking spreadsheets*

Table 5: Truck Parking Facilities –Truck Parking Demand Forecast and Net Needs by Corridor

Corridor	Parking Capacity	2023 Demand	2030 Demand	2030 Need	2035 Demand	2035 Need	2050 Demand	2050 Need
I-63	278	301	346	68	381	103	500	222
Pennsylvania Turnpike (I-76)	27	42	49	22	53	26	70	43
US-30	43	51	59	16	64	21	83	40
US-15	47	50	57	10	62	15	80	33
PA-74	16	1	1	-	1	-	2	-
<b>TOTALS</b>	<b>411</b>	<b>445</b>	<b>512</b>	<b>116</b>	<b>561</b>	<b>165</b>	<b>735</b>	<b>338</b>
% Increase in Demand over 2023			15.1%		26.1%		65.2%	

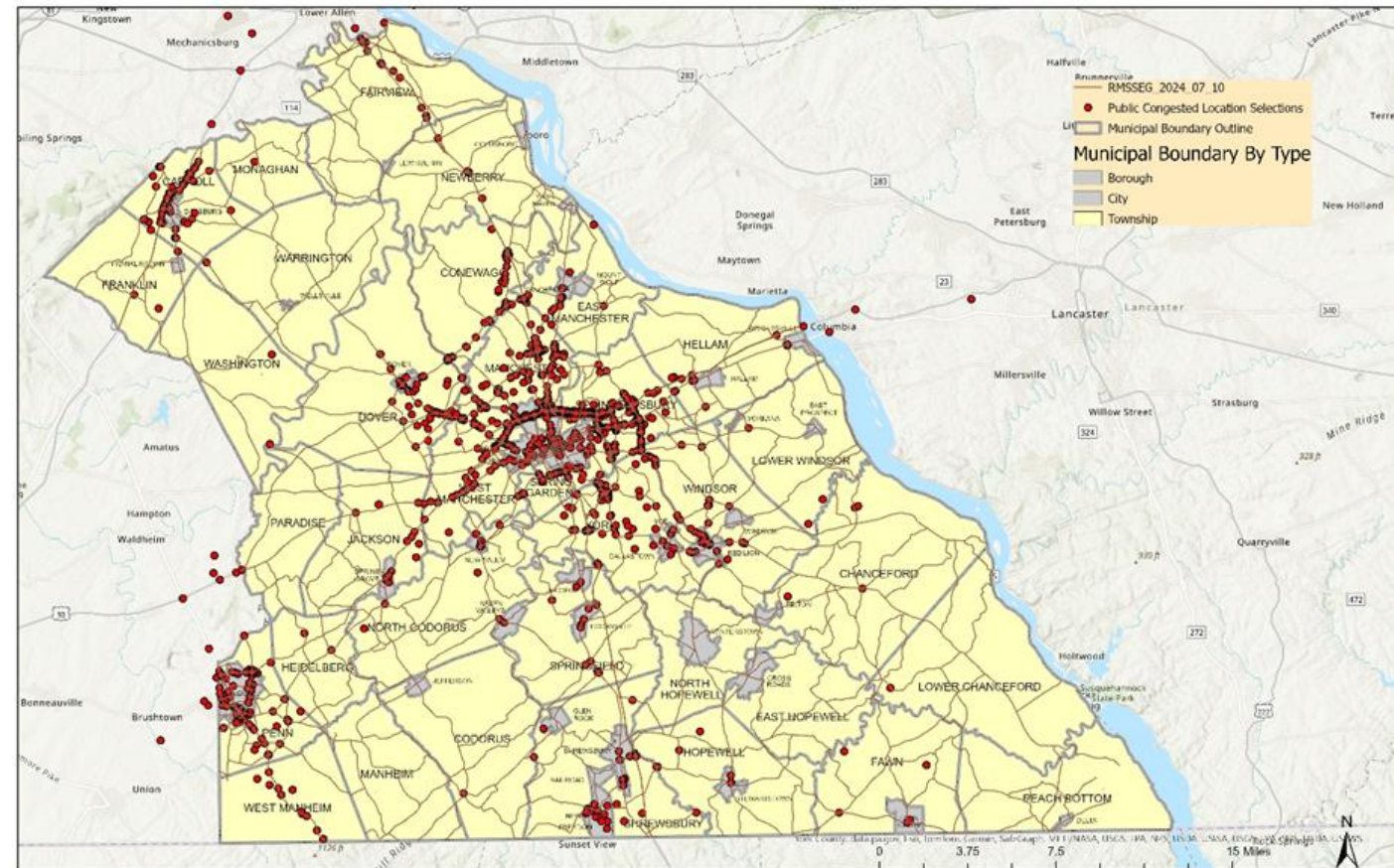
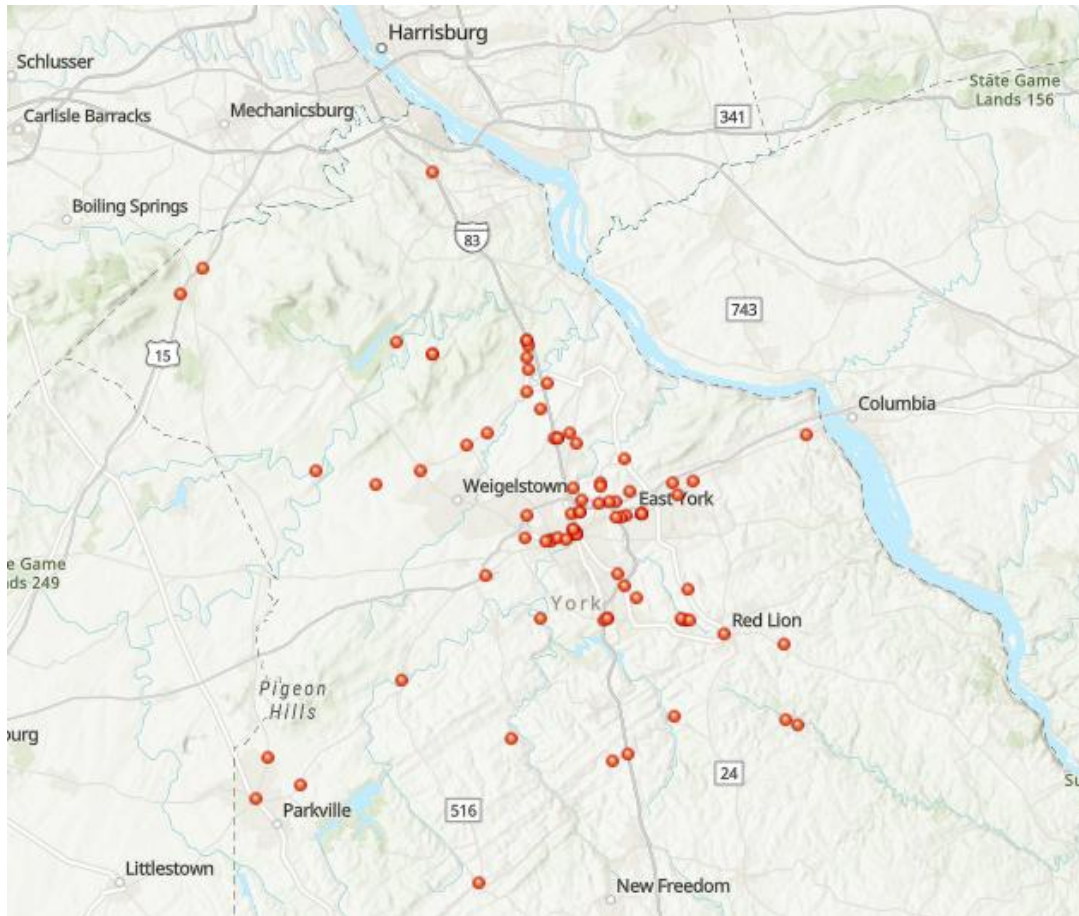
# Connection Between Freight and Congestion

- Top Causes of Congestion (Public Responses):
  - New Housing/More People
  - Poor Planning
  - Trucks on Local Roads
  - Traffic Signal Timings
  - Increase in Factories/Warehouses



# Transportation Feedback Reviewer/ Public Survey Points Comparison

<https://experience.arcgis.com/experience/05b397337ffa412a8c4d7774a9534f83>





**Questions? Comments?**