

Origin, Destination, and Waypoint Data

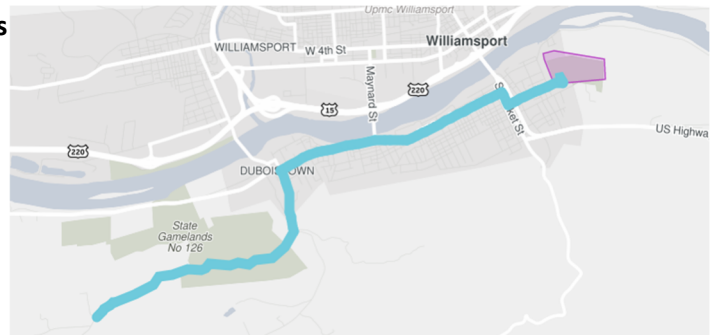
PennDOT has purchased statewide INRIX Trip Path Data. This new and exciting dataset describes the movement of vehicles statewide, providing origins, destinations, and waypoints for **trips that originate, end, or pass through Pennsylvania**. The data can be used across a variety of use cases and disciplines, including:

- Transportation planning studies and evaluations
- Design assessments and decisions
- Construction/maintenance impact analysis
- Detours during events and emergencies
- Many others

Data Details

Trip Path data is:

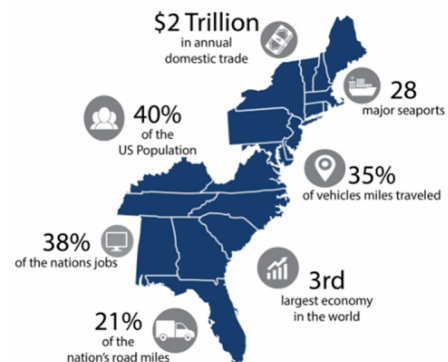
- **GPS data from connected vehicles and other services**
 - Over 30 sources
 - Passenger and commercial vehicles
- **Anonymized to protect privacy**
- **Available for 2022 and 2023**



Data Availability

Trip Path data can be used by:

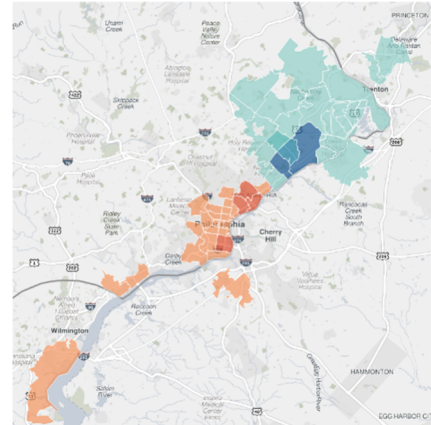
- **PennDOT**
- **Other PA Members of the Eastern Transportation Coalition**
 - For more info, see the Coalition website:
<https://tetcoalition.org>
- **Consultants and Universities**
 - Must be working for PennDOT/Coalition Member



Data Analysis Tools (Trip Analytics)

The Trip Analytics platform (<https://trips.ritis.org>) provides a variety of tools that can be used to analyze the trip data. Included tools are:

- **Origin/Destination Matrix**
- **Zone Maps**
 - Provide a visual origin/destination analysis
- **Route Maps/Analysis**
 - Detailed routes and travel times
 - Screen line analysis (% of trips that cross certain points)



Example Analysis – I-81 Snow Quall Closure

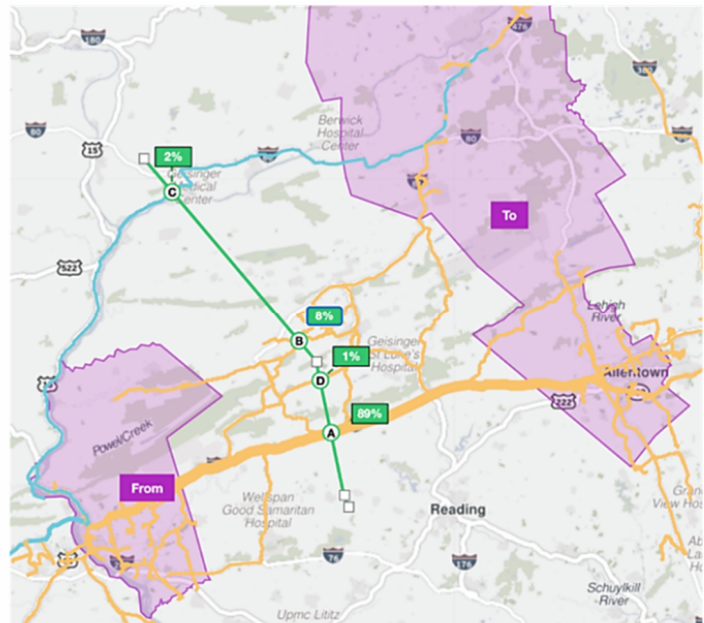
On March 28, 2022, a sudden snow squall led to a crash involving 70+ vehicles which closed I-81 in Schuylkill County for more than a day. Trip Path data was used to assess the impact of the closure on trips that would have typically utilized I-81 during that time period when it was closed.

3/29/22: I-81 Closed

	Crossing	# Trips*	% Trips
☒ A	William Penn Highway, I 78, US 22	167	89%
☒ B	North Tremont Street, US 209	15	8%
☒ C	Point Township Drive, US 11	4	2%
☒ D	Deturksville Road, PA 443	1	0.5%
	Total	187	100%

3/30/22: I-81 Reopens

	Crossing	# Trips*	% Trips
☒ B	William Penn Highway, I 78, US 22	152	57%
☒ A	I 81	113	42%
☒ C	I 80	1	0.4%
☐ D	Sweet Arrow Lake Road	1	0.4%
☐ E	North Tremont Street, US 209	1	0.4%
	Total	268	100%



Getting Access

PennDOT employees can access the data and tools by creating a RITIS account at <https://www.ritis.org/register>. Interested individuals with other organizations should email penndotdata@pa.gov for assistance.