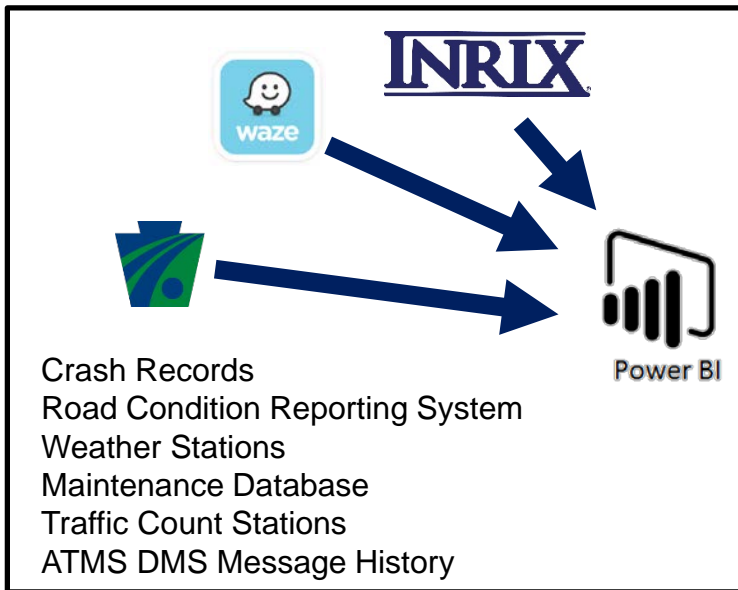


TSMO Performance Program

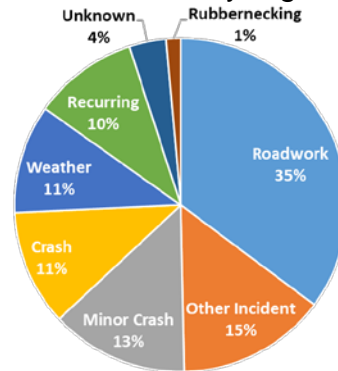
The Transportation Systems Management and Operations (TSMO) Performance Program was started in 2016. The **Traffic Operations Analytics Tool** was developed in collaboration with PennDOT IT to combine DOT data with crowd sourced incident data from Waze and INRIX speed data.



For more information:
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[PennDOT TSMO Website](#)

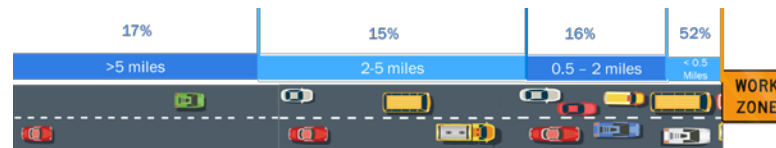
Key Findings and Outcomes

A **Pennsylvania-specific congestion pie chart** was developed that is scalable by region



924 work zone congestion-related crashes in 2019

- 5 fatalities and 657 injuries



Daily traffic count comparisons to 2019 were developed during the COVID-19 pandemic



PennDOT Districts and planning partners utilized the information to **better understand** congestion in their regions to enact operations solutions, such as 2020 Regional Operations Plans



Virtual Smart Work Zone technology was deployed to automatically post queue protection messages based on real-time data



District traffic engineers, construction and maintenance managers used this information to make more **educated work zone decisions**