OPPORTUNITY AND SIGNIFICANCE

- Intelligent Transportation System (ITS) data can measure and monitor the operational performance of the Detroit road network as conditions change, including new public transportation, construction zones, and winter operations.

- ITS data can provide speed mobility graphs which can be used as a method for analyzing cost-benefit calculations.

- The speed mobility graphs quantify travel time delays along I-75 by analyzing 566 traffic message channels (TMC) that produced 983,778,775 travel time data points over a 5 year period.

METHODOLOGY

- Examples of high congestion (red symbols).
- Example of low congestion (green symbol).
- Consensus traffic designation over interchange in Detroit.
- Consensus traffic designation interchange over Michigan.