Overview
ODOT’s mission is to provide easy movement of people and goods from place to place. In order to continue this mission, Ohio is currently undergoing a shift in focus toward a more operationally centered mindset for our transportation system. Through our new Transportation Systems Management and Operations (TSMO) plan and program, we are working to maximize the efficiency and safety of our current transportation network.

In an effort to make data-driven decisions and determine operationally sensitive corridors throughout the state, we have developed the Traffic Operations Assessment Systems Tool (TOAST).

About the Tool
- Routes are segmented into the State Priority System with breaks at the urban area boundaries, interchange center points, and road functional class changes.
- Multiple Data Categories make up TOAST. For each category, data ranges were normalized into values of 0-10, then multiplied by a weighting factor.
- The total score for a route is calculated as a percent based on the score for each category divided by the total possible maximum score.

In general, the higher the percent, the better the route is performing; whereas, the lower the percent, the more likely a route is to benefit from application of TSMO strategies.

Data Categories

**TRAVEL TIME PERFORMANCE**
Percent of time motorists can travel at or near (90%) of the reference speed (free-flow/uncongested speed defined by data provider).

**BOTTLENECKS**
A potential bottleneck is detected when speeds on a segment drop to 65% of reference speeds and cause at least a two-minute delay.

**INCIDENT CLEARANCE**
The time from report of an incident until the entire scene is cleared.

**SECONDARY CRASHES**
Percent of crashes that occurred as a result of a previous incident.

**VOLUME PER LANE**
Calculated based on a weighted average for each segment.

**FREIGHT CORRIDORS**
Weighted average of percent trucks (avg. daily truck volume ÷ avg. daily total volume).

**SAFETY PERFORMANCE**
A route’s potential for safety improvement by density based on its peer group.

**WEATHER RESILIENCE**
Snow & Ice recovery data and route flooding.

**WORK ZONE DELAY**
Hours below 35 mph compared to pre-WZ conditions.

**WORK ZONE CRASHES**
Ratio of crashes during WZ to pre-WZ conditions.

**SIGNAL TIMING**
Percentage of vehicle arrivals on green.

* Future TOAST Category