### Bottlenecks

**Metric**
Crash Impact Factor = (3 year Total Number Crashes x V/C Ratio of time from reported incidents until scene cleared

**Source**
INRIX Roadway Analytics Bottlenecks Tool with XD-level data

**Parameters**
- n/a

**Calculations**
Sum top 5 Bottleneck Impact Factors per corridor

**Impact Factor** = Avg duration (minutes) x Avg max length x Number occurrences

**Percent of Time motorists can travel within 90% of the routes freeflow speed**

**Source**
INRIX XD-level data (Speed, Travel Time, Reference Speed, C-Value)

**Parameters**
- % of Time (TTT/RTT) > 0.9 for each segment (weighted), where:
  - TTT = Target Travel Time (minutes)
  - RTT = Real Travel Time (minutes) from INRIX data

**Calculations**
Sum of Time (TTT/RTT) > 0.9 for each segment (weighted), where:

\[
\text{Impact Factor} = \frac{\text{TTT} - \text{RTT}}{0.9} 
\]

### TTP

**Metric**
Volume Per Lane

**Source**
Congestion Management Data (CMS) - Office of Statewide Planning and Research

**Parameters**
- % of Time motorists can travel within 90% of the routes freeflow speed

**Calculations**
Weighted volume per lane

### Freight Corridors

**Metric**
Incident Clearance

**Source**
OH-1 Crash Data

**Parameters**
- Number Crashes > 1 per TOAST Corridor

**Calculations**
Average of Incident Clearance (minutes)

### Secondary Crashes

**Metric**
Secondary Crashes

**Source**
OH-1 Crash Data

**Parameters**
- Time = Incident Clearance + buffer (30 mins to 2 hrs)

**Calculations**
% of Number Secondary Crashes/Total Crashes