Introduction – DRCOG Safety Activities

- Crash Report (education, awareness)
- Crash data analysis and visualization
- Bicycle/pedestrian safety analysis (Active Transportation Plan)
- Regional Vision Zero Initiative (2018-2019 UPWP)
FAST Act Requirements

1. National Goals
2. Measures
3. Targets
4. Plans
5. Reports
6. Accountability and Transparency

Required Performance Measure Topics

- Safety
- Congestion (Delay & Non-SOV Travel)
- Pavement Condition
- Freight Reliability
- Bridge Condition
- Travel Time Reliability

FAST Act Performance Measures & Targets
Safety Measures Target Setting

<table>
<thead>
<tr>
<th>Measure Area</th>
<th>Performance Measures</th>
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| Safety       | • Number of fatalities  
               • Fatalities per million vehicle miles traveled  
               • Number of serious injuries  
               • Serious injuries per million vehicle miles traveled  
               • Number of non-motorized fatalities and non-motorized serious injuries |

Process Requirements – Safety Targets

- CDOT 2018 Targets: Set August 2017
- DRCOG 2018 Targets: Due by February 27, 2018
- 2018 Target: 2014-2018 five year average  
  - 2019 Target: 2015-2019 five year average  
- DRCOG reports to CDOT; CDOT reports to FHWA  
  - 2019: Report results for 2018 targets  
  - 2020: FHWA assessment response
CDOT 2018 Safety Targets

- Fatalities: 610
- Fatality Rate: 1.2 (per 100 million VMT)
- Serious Injuries: 3,350
- Serious Injury Rate: 6.79 (per 100 million VMT)
- Non-motorized Fatalities & Serious Injuries: 586

CDOT Statistical Analysis

![Actual Fatality Chart]

- [Population](#)
- [Actual Fatalities](#)
- [Fatality Baseline](#)
- [Christine Lucas Fatality Regression](#)
- [Poly. (Actual Fatalities)](#)

Values:
- 2012: 474
- 2013: 478
- 2014: 488
- 2015: 547
- 2016: 610
- 2017: 696
- 2018: 807
CDOT Statistical Analysis

Fatality Five Year Moving Average

DRCOG Safety Targets – Potential Approaches

Setting Targets
- Support CDOT targets
- Set our own targets (recommend)

Calculating Targets
- Several mathematical/policy approaches

Metro Vision Safety Performance Measure
- Less than 100 fatalities by 2040
THANK YOU