SAFETY TRENDS AND TARGETS

OCARTS AREA

Kathryn Wenger Program Coordinator Transportation & Planning Services

JANUARY 2018 REGIONAL TRANSPORTATION PLANNING

PERFORMANCE MEASURES

MAP-21/FAST ACT: Develop measures to track and maximize the benefits of transportation planning decisions and link infrastructure investments to:

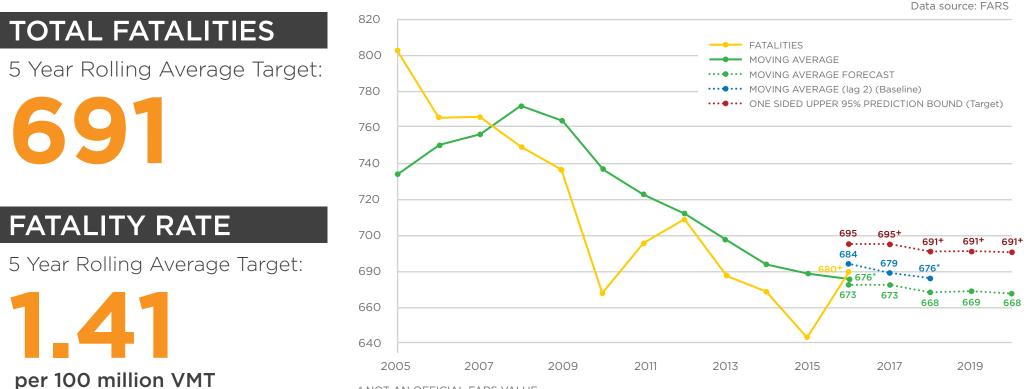
- STBG-UZA project selection
- Metropolitan Planning and ITS
- Transportation Improvement Program (TIP/Short Range Plan)
- Metropolitan Transportation Plan (MTP/Encompass 2040)

GOALS	OBJECTIVES	PERFORMANCE MEASURES	PERFORMANCE TARGETS
SAFETY AND SECURITY: Provide a safe and secure transportation system	 Improve design, construction, and maintenance of infrastructure to reduce the number and severity of crashes, injuries and fatalities. Increase awareness of the public on safety issues and skills. Collaborate on transportation system security strategies. 	 Number of Fatalities Rate of Fatalities Number of Serious Injuries Rate of Serious Injuries Number of Non-Motorize Fatalities and Non-Motorized Serious Injuries 	
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TARGET SETTING

- Establishing a quantifiable value to gauge progress over time
- Current target year CY2018
- Safety targets are set annually
- Two options:
 - Support the targets set by ODOT (Includes all public roads regardless of classification)
 - Set our own targets for all roads in the metropolitan area (OCARTS Region)

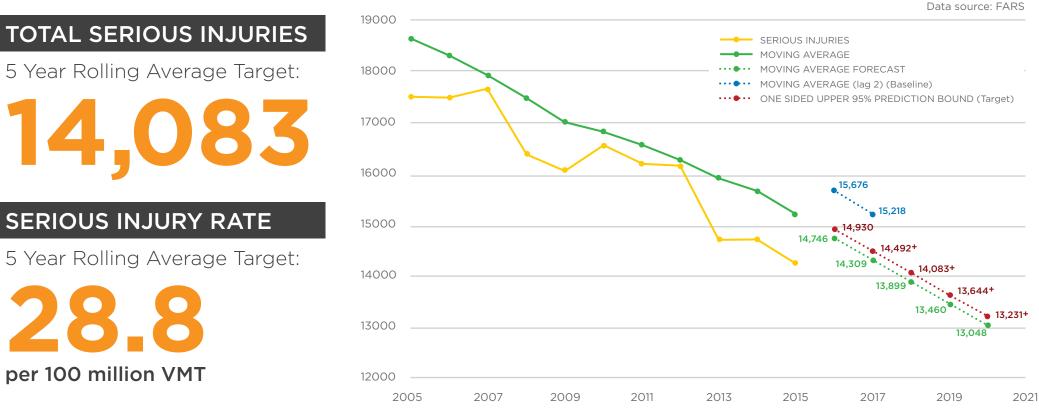
ODOT SAFETY TRENDS AND TARGETS: FATALITIES



* NOT AN OFFICIAL FARS VALUE.

+ DIFFERENCE BETWEEN UPPER PREDICTION BOUND AND ESTIMATE IN 2016 CARRIED FORWARD.

ODOT SAFETY TRENDS AND TARGETS: SERIOUS INJURIES



+ DIFFERENCE BETWEEN UPPER PREDICTION BOUND AND ESTIMATE IN 2016 CARRIED FORWARD.

ODOT SAFETY TRENDS AND TARGETS: NON-MOTORIZED

TOTAL NON-MOTORIZED FATALITIES AND SERIOUS INJURIES

5 Year Rolling Average Target:

698



Data source: FARS

OCARTS SAFETY TRENDS: FATALITIES

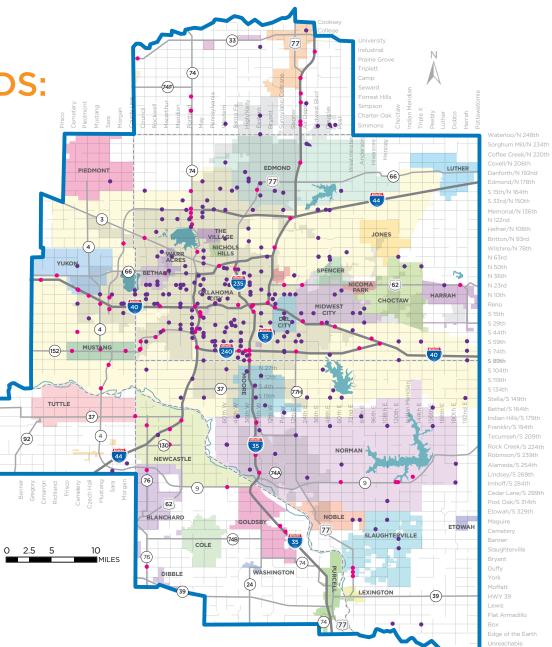
(2011-2015)

• FATAL CRASHES: HIGHWAY AND FREEWAY



• FATAL CRASHES: CITY AND COUNTY STREETS

269



OCARTS SAFETY TRENDS AND TARGETS: TOTAL FATALITIES



OCARTS SAFETY TARGETS: FATALITY RATE



9 VMT: Vehicle Miles Traveled

OCARTS SAFETY TRENDS: SERIOUS INJURIES

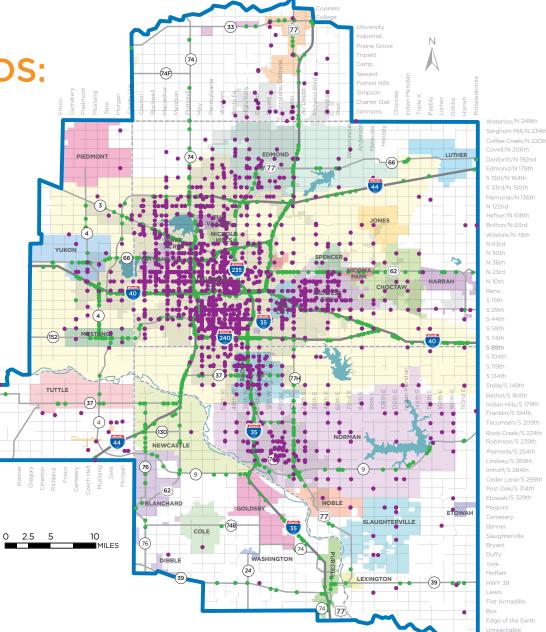
(2011-2015)

• SERIOUS INJURY CRASHES: HIGHWAY AND FREEWAY

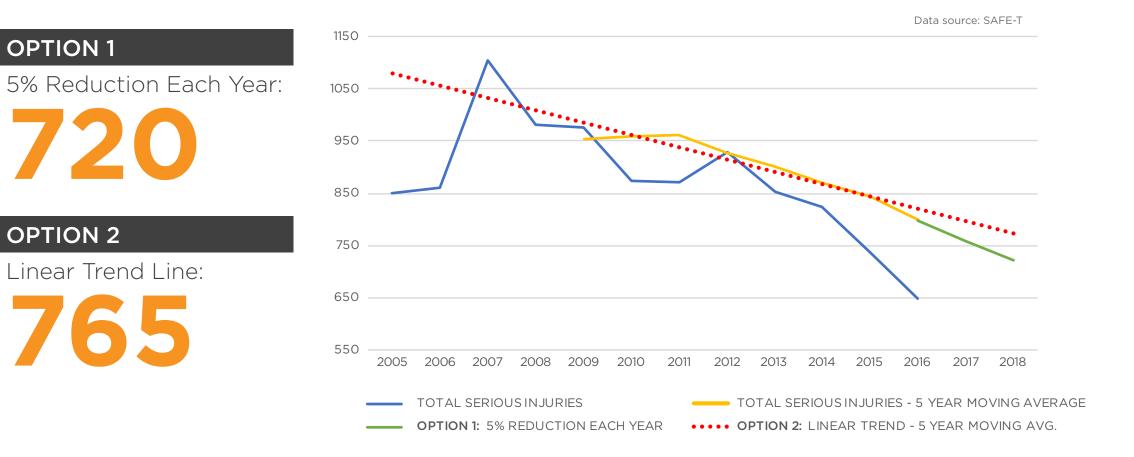
1461

1925

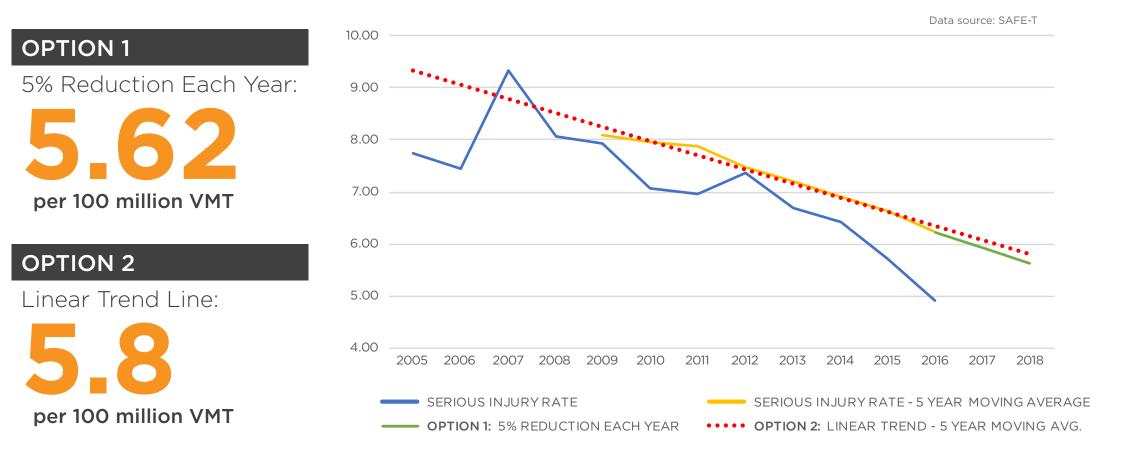
• SERIOUS INJURY CRASHES: CITY AND COUNTY STREETS



OCARTS SAFETY TARGETS: TOTAL SERIOUS INJURIES



OCARTS SAFETY TARGETS: SERIOUS INJURY RATE



OCARTS SAFETY TRENDS: NON-MOTORIZED FATALITIES AND SERIOUS INJURIES

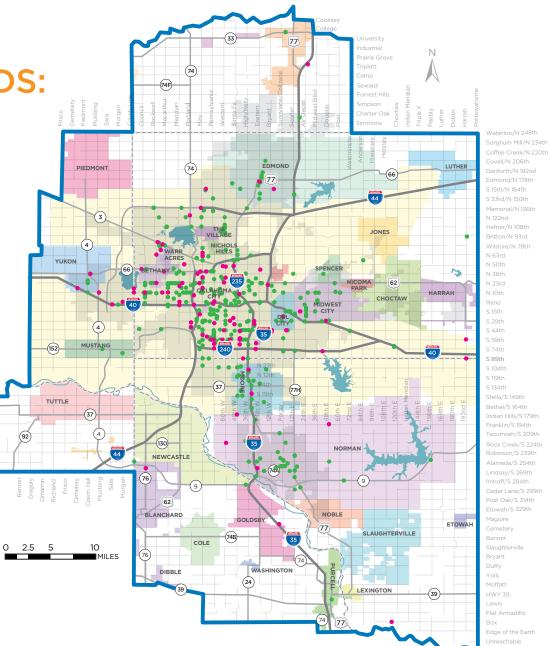
(2011-2015)

NON-MOTORIZED FATALITIES:

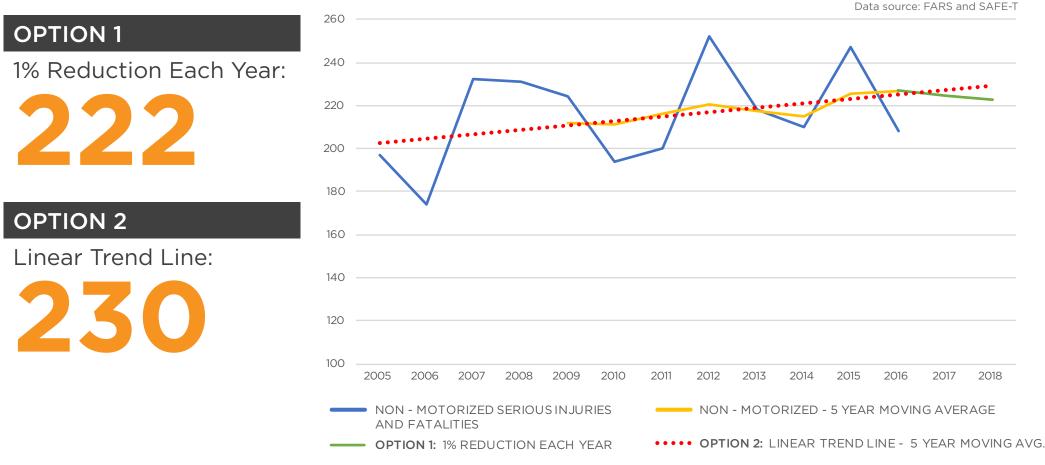
184

 NON-MOTORIZED SERIOUS INJURIES:

637



OCARTS SAFETY TARGETS: TOTAL NON-MOTORIZED FATALITIES AND SERIOUS INJURIES



SAFETY TARGETS: IMPORTANT DATES

• Targets Due to ODOT:

- 180 Days after ODOT sets their targets, or February 27, 2018
- Set annually
- Support ODOT targets or set our own?
 - January: Review and suggestions on OCARTS targets
 - February: Final decision and report to ODOT

FUTURE PERFORMANCE MEASURES

REQUIRED BY FHWA:

- Interstate Travel Time Reliability
- Non-Interstate Travel Time Reliability
- Truck Travel Time Reliability

- TARGETS ARE SET EVERY 4 YEARS
- MPO TARGETS DUE:
 - 180 Days after ODOT or by Nov. 20, 2018
- % of NHS Bridges classified as in **Good** Condition
- % of NHS Bridges classified as in **Poor** Condition
- % of Interstate Pavements in **Good** Condition
- % of Non-Interstate Pavements in Good Condition
- % of Interstate Pavements in **Poor** Condition
- % of Non-Interstate Pavements in PoorCondition

FUTURE PERFORMANCE MEASURES

- Economic Strength/Performance
 - Mode share for commuter trips
 - User Cost (as a function of delay)
- Safety and Security
 - Existence of Regional Security Strategies

- Equity and Options/Connectivity
 - Miles of sidewalk and bicycle paths/lanes added within ¼ mile of transit stop
 - Percent of population and jobs located within ¼ mile of transit stops

Healthy Communities/Connectivity

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- Annual air quality index reading for the region
- Average trip distance
- Total miles of sidewalk and bicycle facilities

QUESTIONS?

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