

Safety Performance Measures Aspirational Target Setting

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Safety Targets

Context:

- USDOT's Safety Performance Management regulation requires State DOTs and MPOs to set targets for 5 safety performance measures
 1. Number of fatalities
 2. Rate of fatalities
 3. Number of serious injuries
 4. Rate of serious injuries
 5. Number of non-motorized fatalities and non-motorized serious injuries



Safety Targets

Context:

- USDOT's Safety Performance Management regulation requires State DOTs and MPOs to set targets for 5 safety performance measures
 1. Number of fatalities
 2. Rate of fatalities
 3. Number of serious injuries
 4. Rate of serious injuries
 5. Number of non-motorized fatalities and non-motorized serious injuries
- The 5 performance targets are based on 5-year rolling averages

Target Setting

Process:

- GDOT's targets are due to FHWA by August 31 each year
- ARC needs to establish targets or concur with the state within 180 days of GDOT reporting its targets
 - February 27 of each year

Target Setting

Process:

- MPOs establish their targets by:
 - A. Concurring with State DOT targets
 - B. Establishing quantifiable targets for the metropolitan planning area
 - C. Both.

ARC has chosen Option A the past few years

Will continue to do this during 2021 based on guidance from TAQC Subcommittee



Target Setting: Moving Forward

A. If ARC concurs with GDOT Targets, we would...

- Work with GDOT to address areas fatalities and serious injuries
- Coordinate with GDOT to include the safety targets in the RTP
- Integrate safety goals, objectives, performance measures, and targets described in other GDOT transportation plans into the RTP
- Describe the anticipated effect of the TIP toward achieving the targets in the RTP

Target Setting

A. If ARC concurs with GDOT Targets, we would...	B. If ARC establishes MPO-Specific Targets, we would...
<ul style="list-style-type: none">• Work with GDOT to address areas fatalities and serious injuries• Coordinate with GDOT to include the safety targets in the RTP• Integrate safety goals, objectives, performance measures, and targets described in other GDOT transportation plans into the RTP• Describe the anticipated effect of the TIP toward achieving the targets in the RTP	<ul style="list-style-type: none">• Coordinate with GDOT to establish targets• Estimate VMT for all public roads within MPO for rate targets• Calculate crashes within MPO boundary• Coordinate with GDOT to include the safety targets in the RTP• Integrate safety goals, objectives, performance measures, and targets described in other GDOT transportation plans into the RTP• Describe the anticipated effect of the TIP toward achieving the targets in the RTP

Target Setting: Moving Forward

Process + Ramifications:

GDOT's Targets



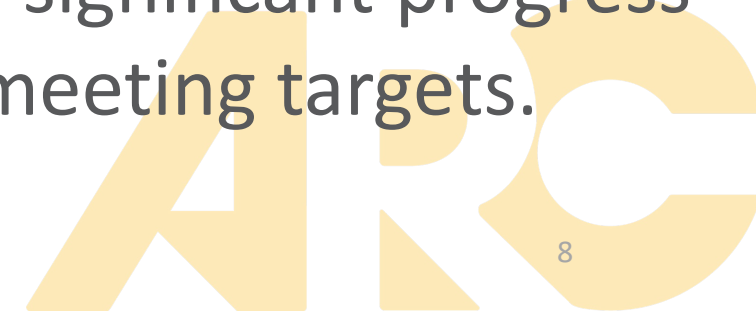
Reported to FHWA via HSIP
Annual Report.

FHWA assesses if GDOT is making
significant progress toward
meeting targets.

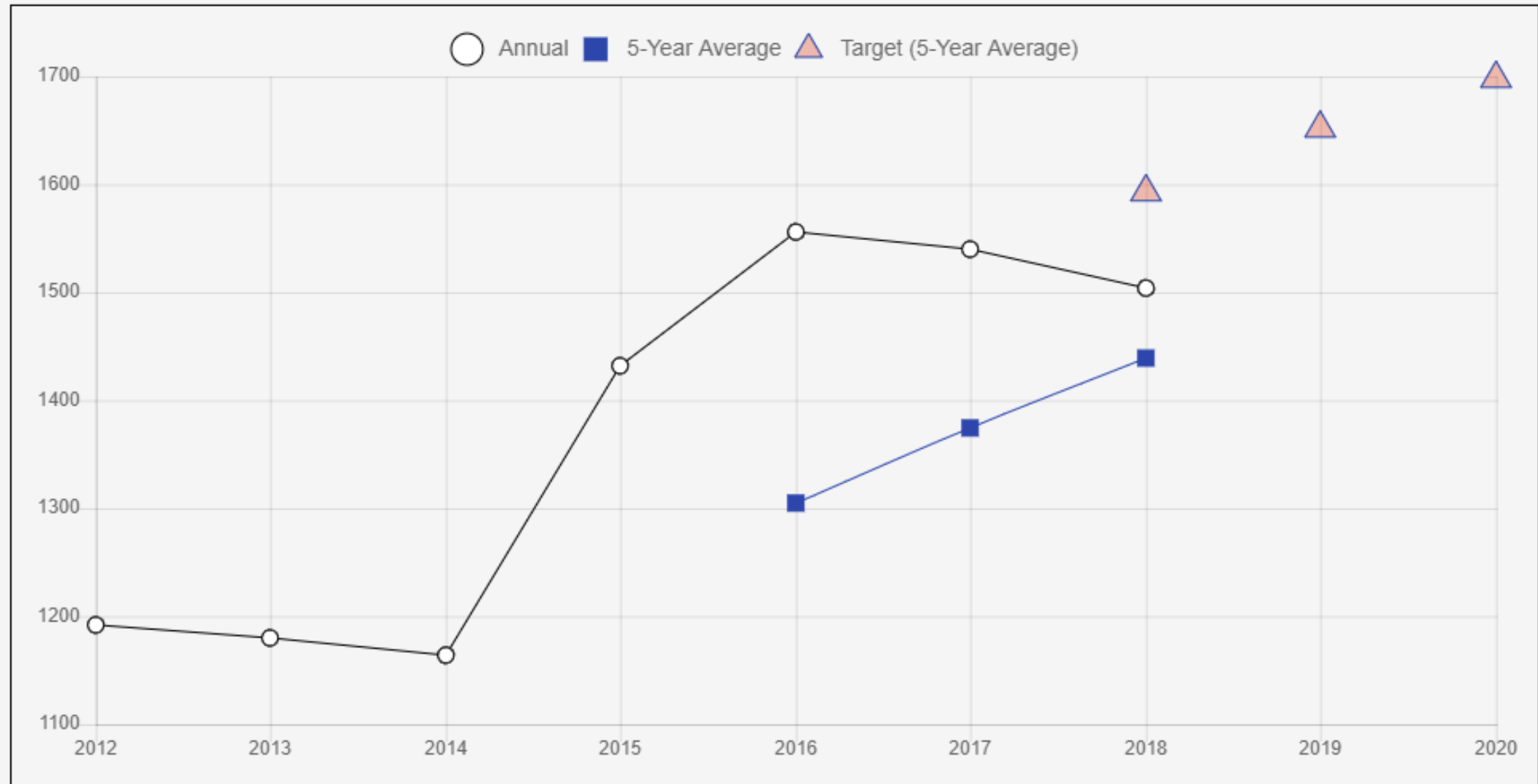
ARC's Targets



Reported to GDOT via memo.
FHWA does not annually assess if
ARC is making significant progress
towards meeting targets.



Number of Fatalities



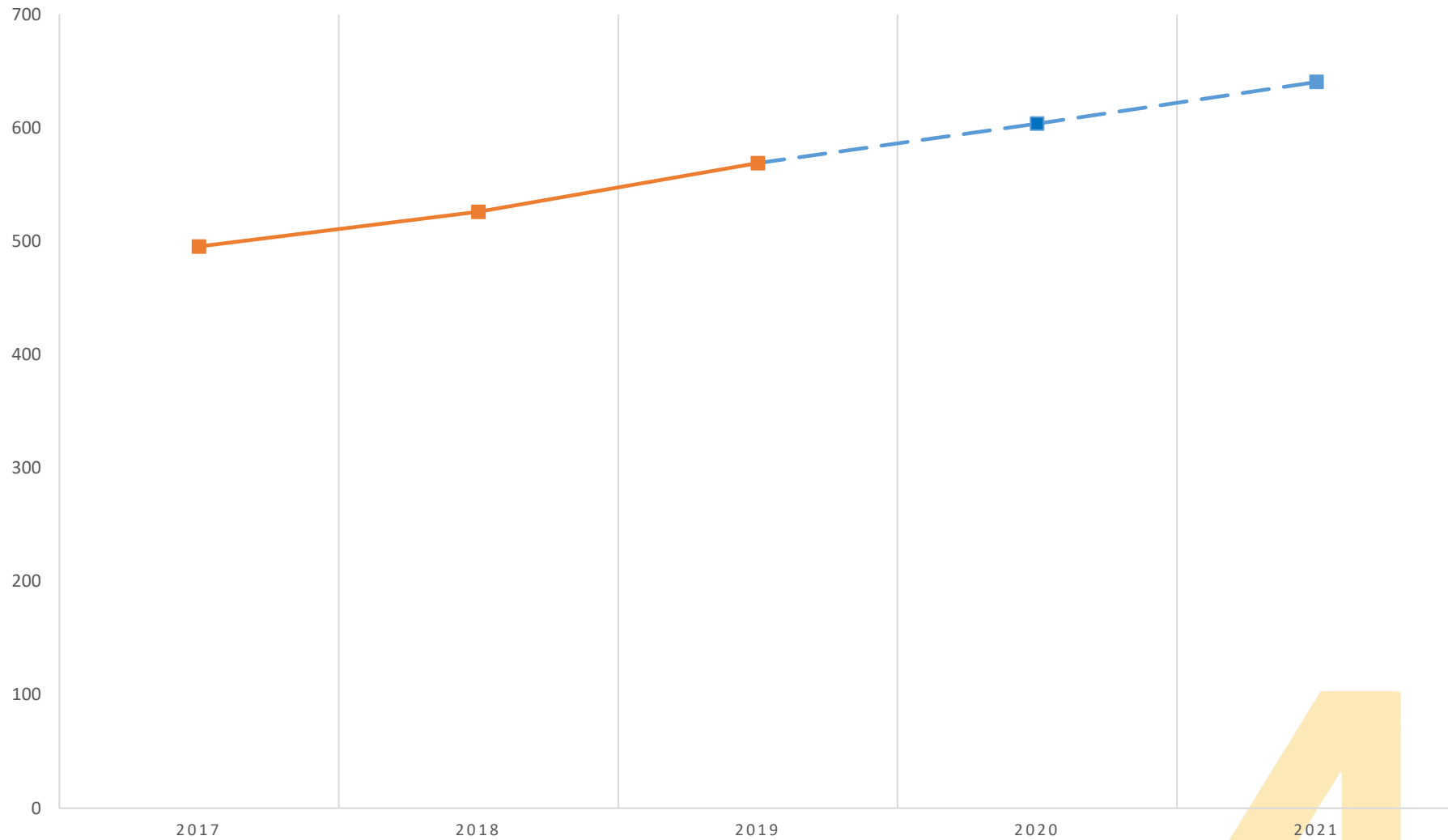
Current GDOT Targets

Federally Required Performance Measures	GDOT's 2020 Statewide Targets	GDOT's 2021 Statewide Targets
Number of Fatalities	1,698	1,715
Rate of Fatalities (per 100 million VMT)	1.28	1.23
Number of Serious Injuries	24,094	6,407
Rate of Serious Injuries (per 100 million VMT)	21.8	4.422
Number of Non-Motorized Fatalities and Serious Injuries	1,163	686.5

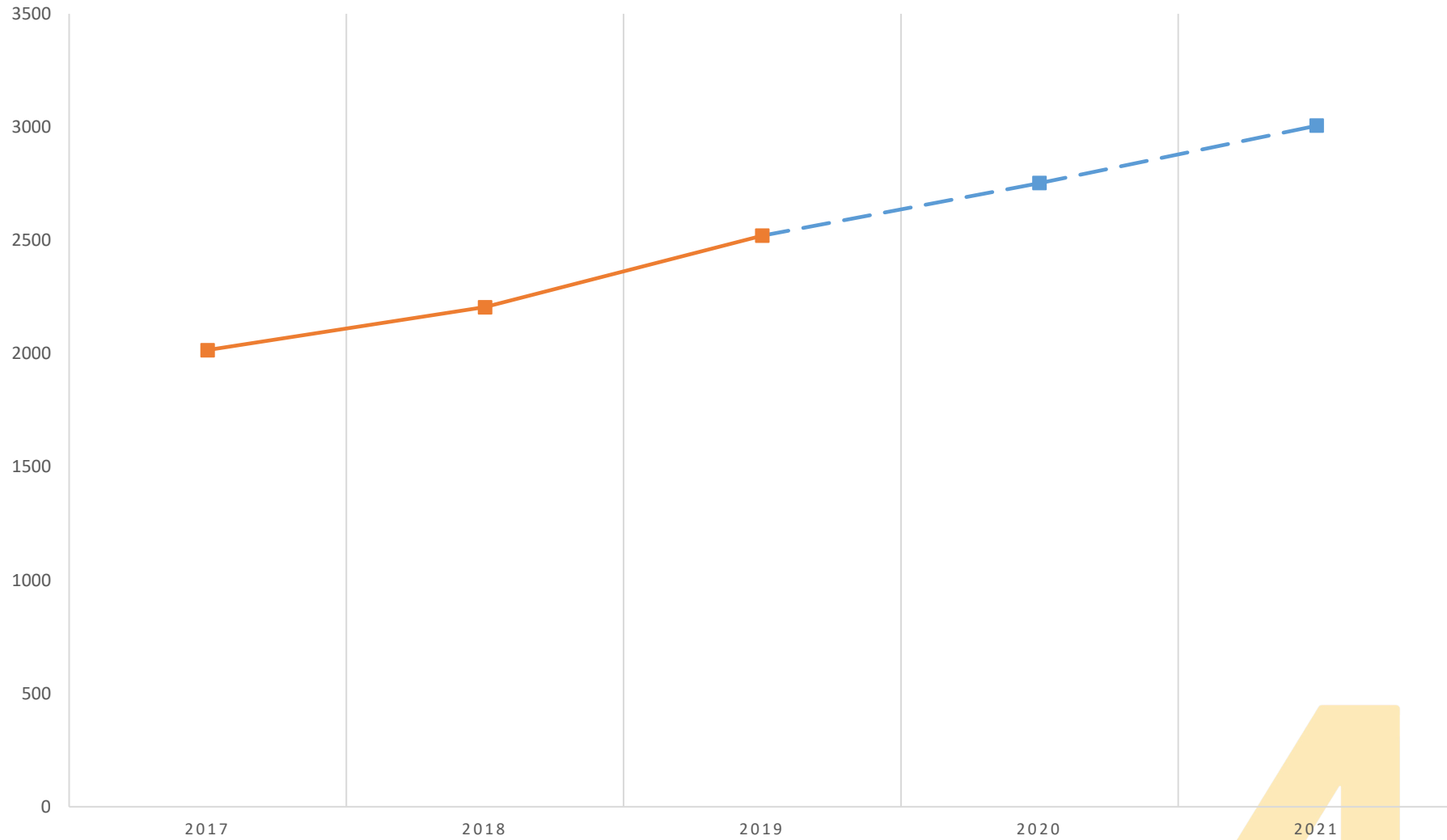
ARC Targets Using GDOT Method

Federally Required Performance Measures	2020	2021
Number of Fatalities	604	641
Rate of Fatalities (per 100 million VMT)	0.992	1.030
Number of Serious Injuries	2,753	3,006
Rate of Serious Injuries (per 100 million VMT)	4.502	4.819
Number of Non-Motorized Fatalities and Serious Injuries	399	416

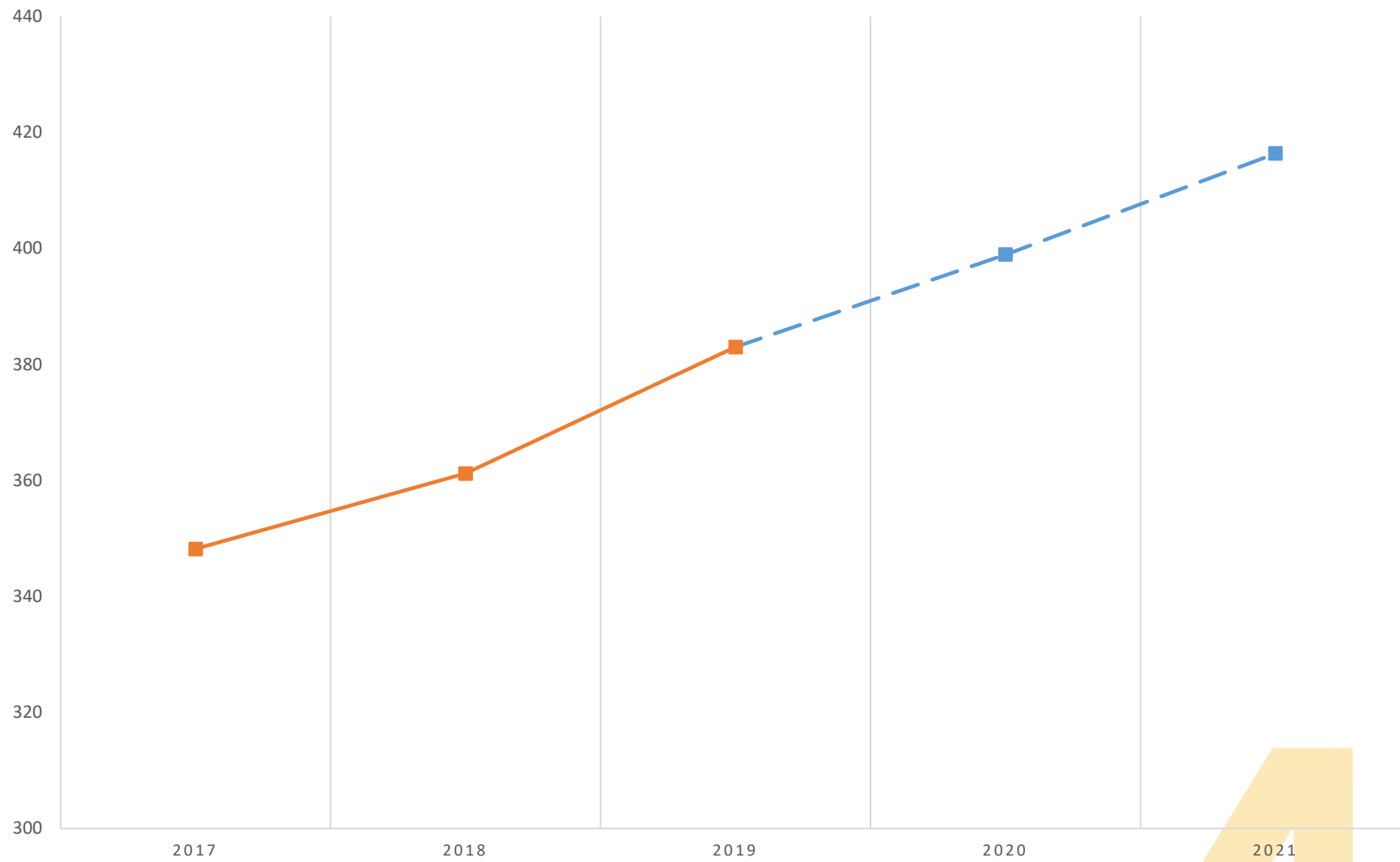
FATALITIES 5-YEAR AVERAGES



SERIOUS INJURIES 5-YEAR AVERAGES



NON-MOTORIZED FATALITIES & SERIOUS INJURIES



ARC 2021 Aspirational Target: 5% Reduction

Federally Required Performance Measures	2020	2021	2022
Number of Fatalities	604	574	545
Rate of Fatalities (per 100 million VMT)	0.992	0.942	0.895
Number of Serious Injuries	2,753	2,616	2,485
Rate of Serious Injuries (per 100 million VMT)	4.502	4.277	4.063
Number of Non-Motorized Fatalities and Serious Injuries	399	379	360

Use 2020 target as baseline. 5% reduction for everything each year after.

2019 Crashes on State vs Local Roads

	State Roads	Local Roads
Fatalities	65%	35%
Serious Injuries	57%	43%

*Only includes crashes within ARC's MPO boundaries

** State Roads = 14% Lane Miles & 52% VMT of ARC boundary

Moving Forward

- Concur with GDOT targets for 2021
- Set “Aspirational” Safety Targets in 2021, seeking a 5% reduction in key metrics
- Develop ARC targets from 2022 onward – pending discussions with TCC and TAQC

Questions & Feedback

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