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# Safety Performance Target Setting

Baltimore Regional Transportation Board

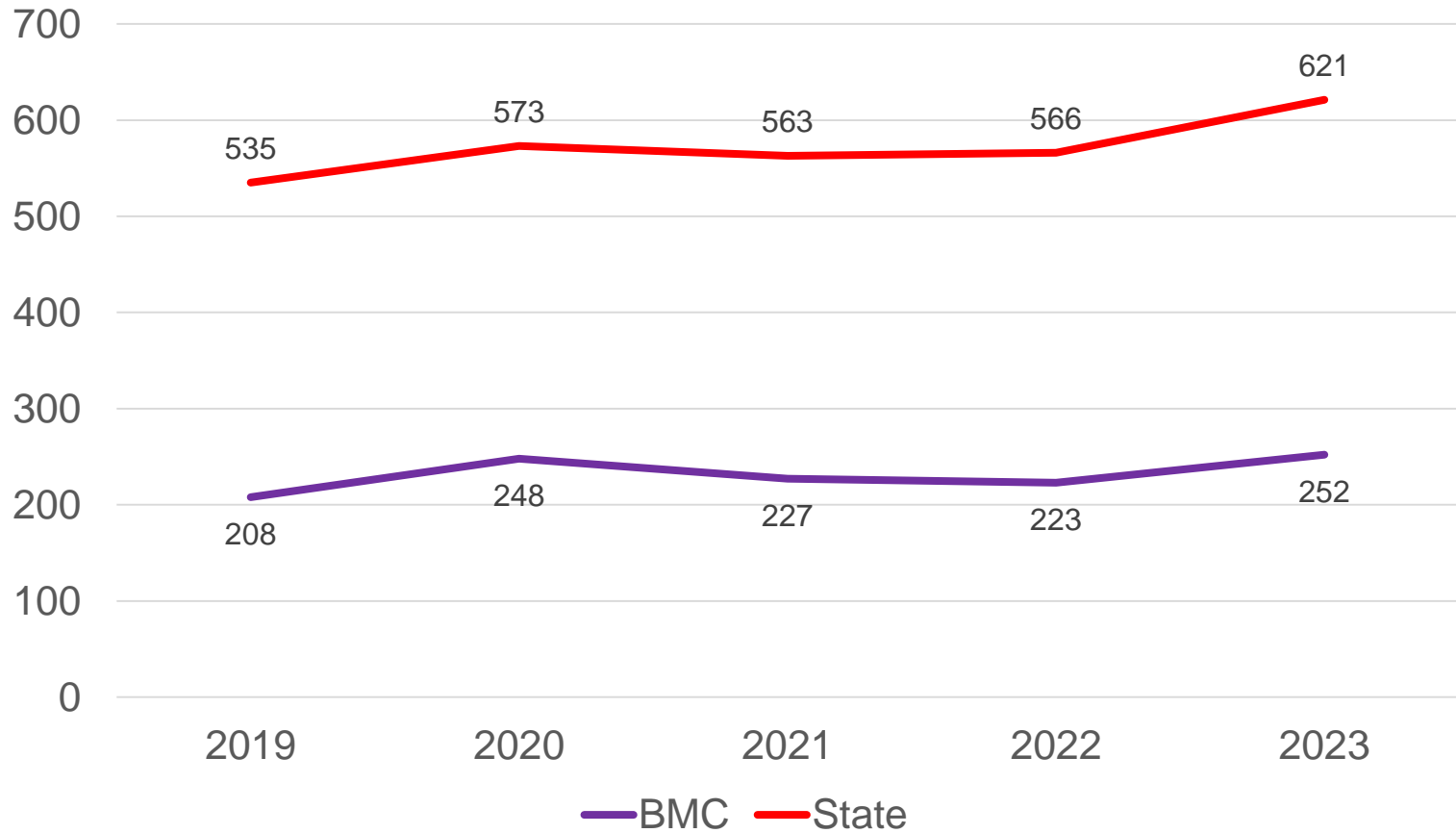
January 14, 2025



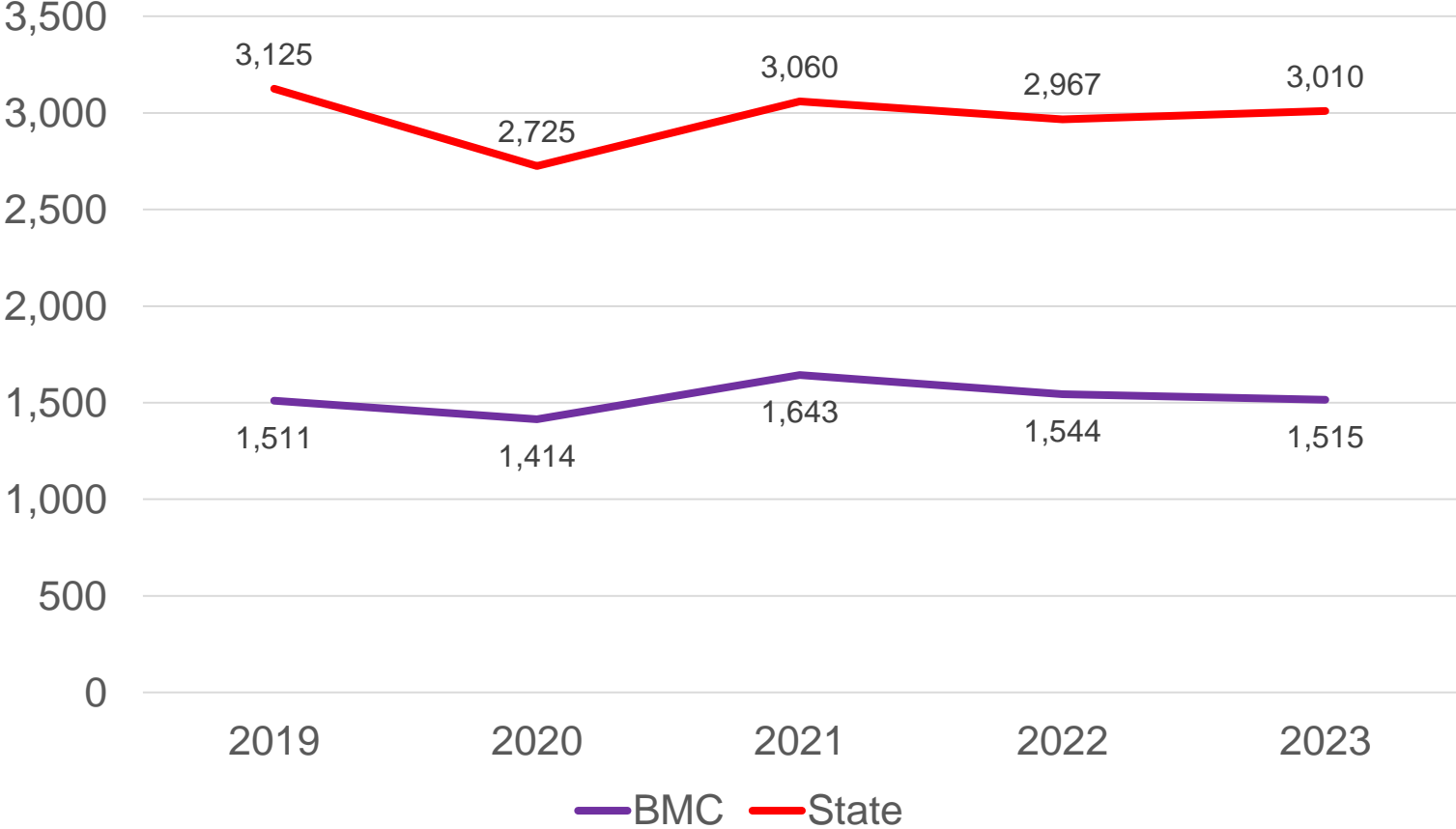
# Safety in the Baltimore Region

<b>BMC</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Fatalities	208	248	227	223	252
Serious Injuries	1,511	1,414	1,643	1,544	1,515
Total Injuries	25,294	19,610	21,816	21,576	21,632
Vehicle Miles Traveled (millions)	27,844	23,318	26,014	26,157	26,412
<b>State</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
Fatalities	535	573	563	566	621
Serious Injuries	3,125	2,725	3,060	2,967	3,010
Total Injuries	48,682	36,790	40,842	40,707	41,517
Vehicle Miles Traveled (millions)	60,136	50,592	56,616	56,784	57,537

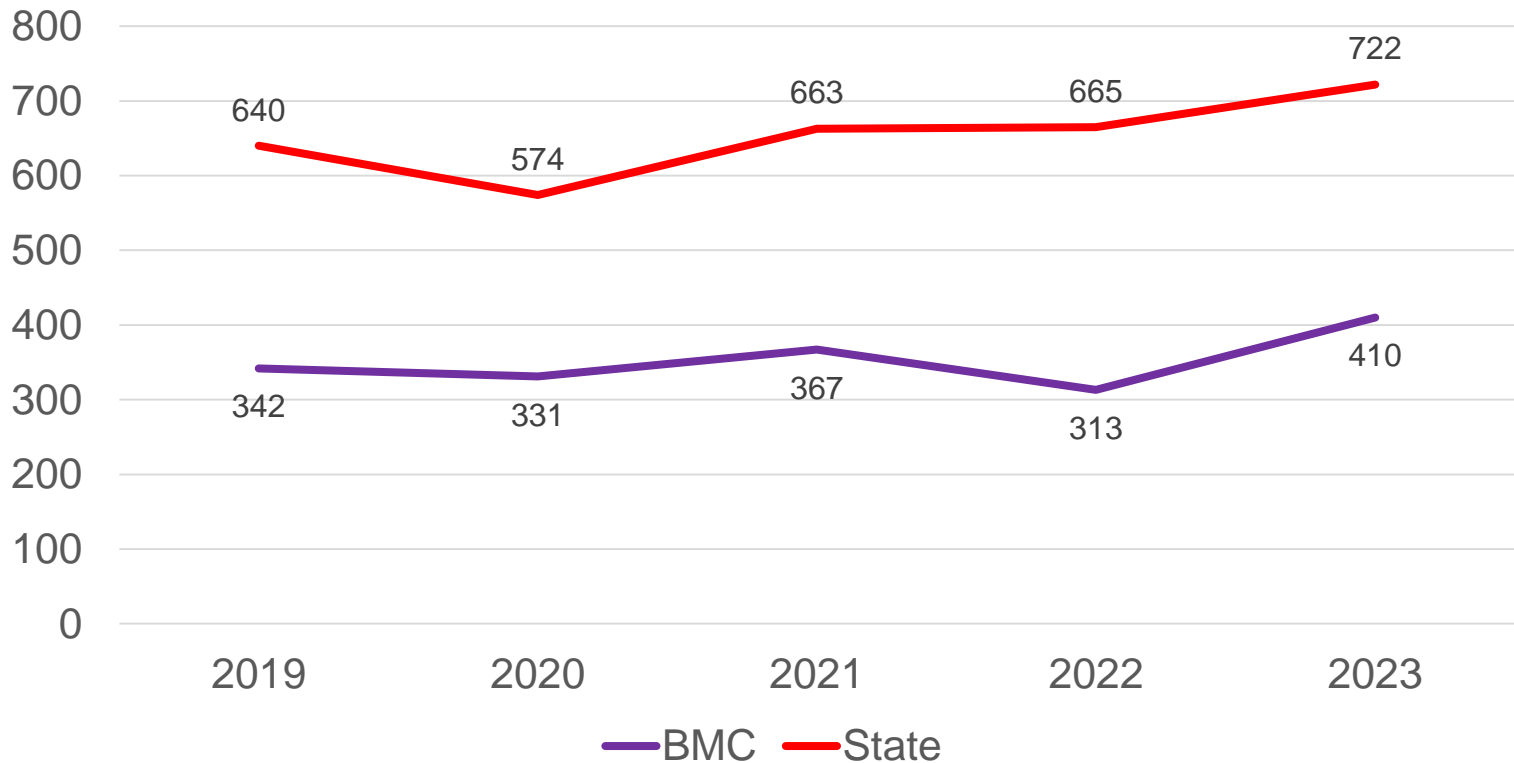
# Fatalities



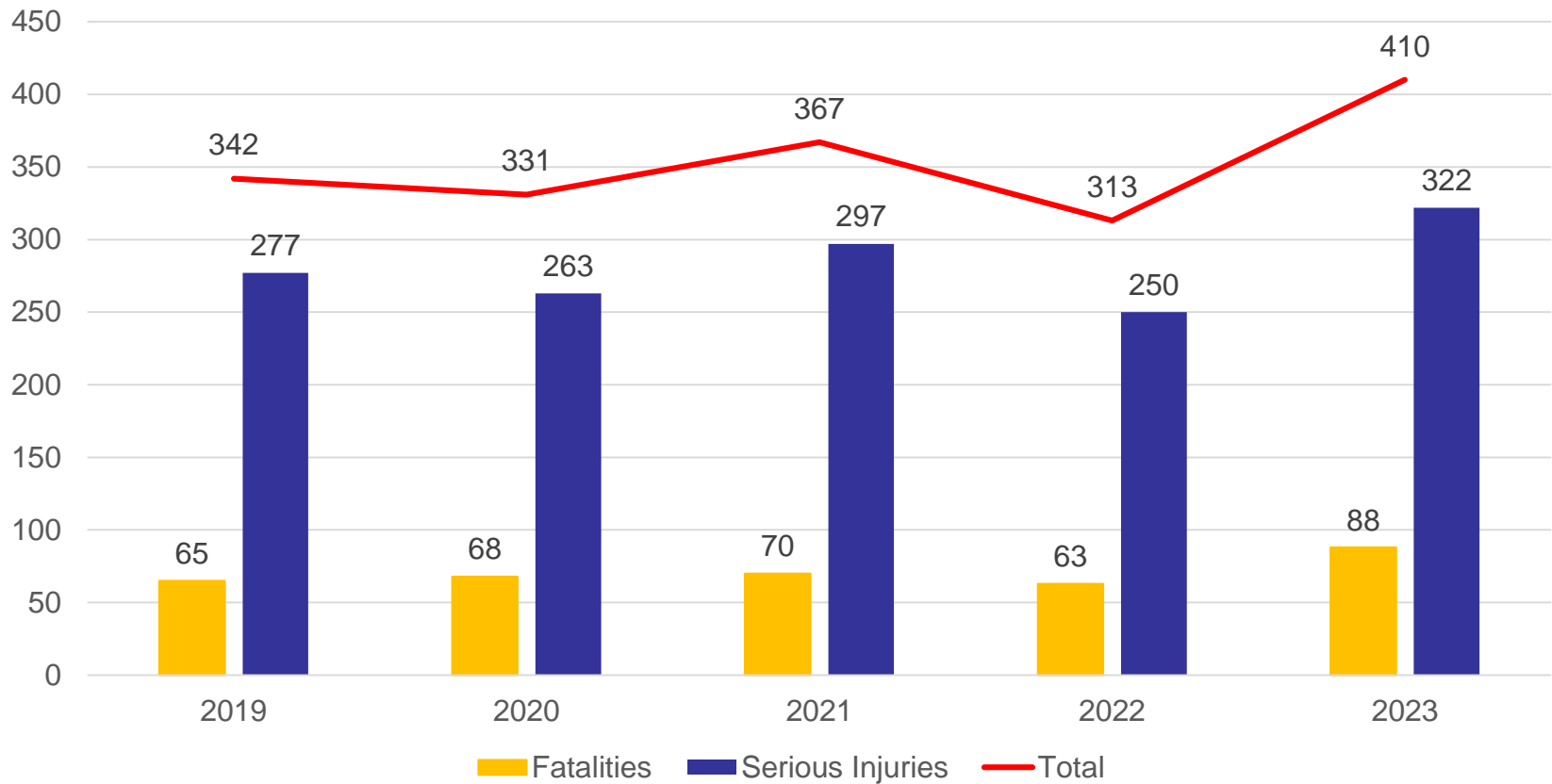
# Serious Injuries



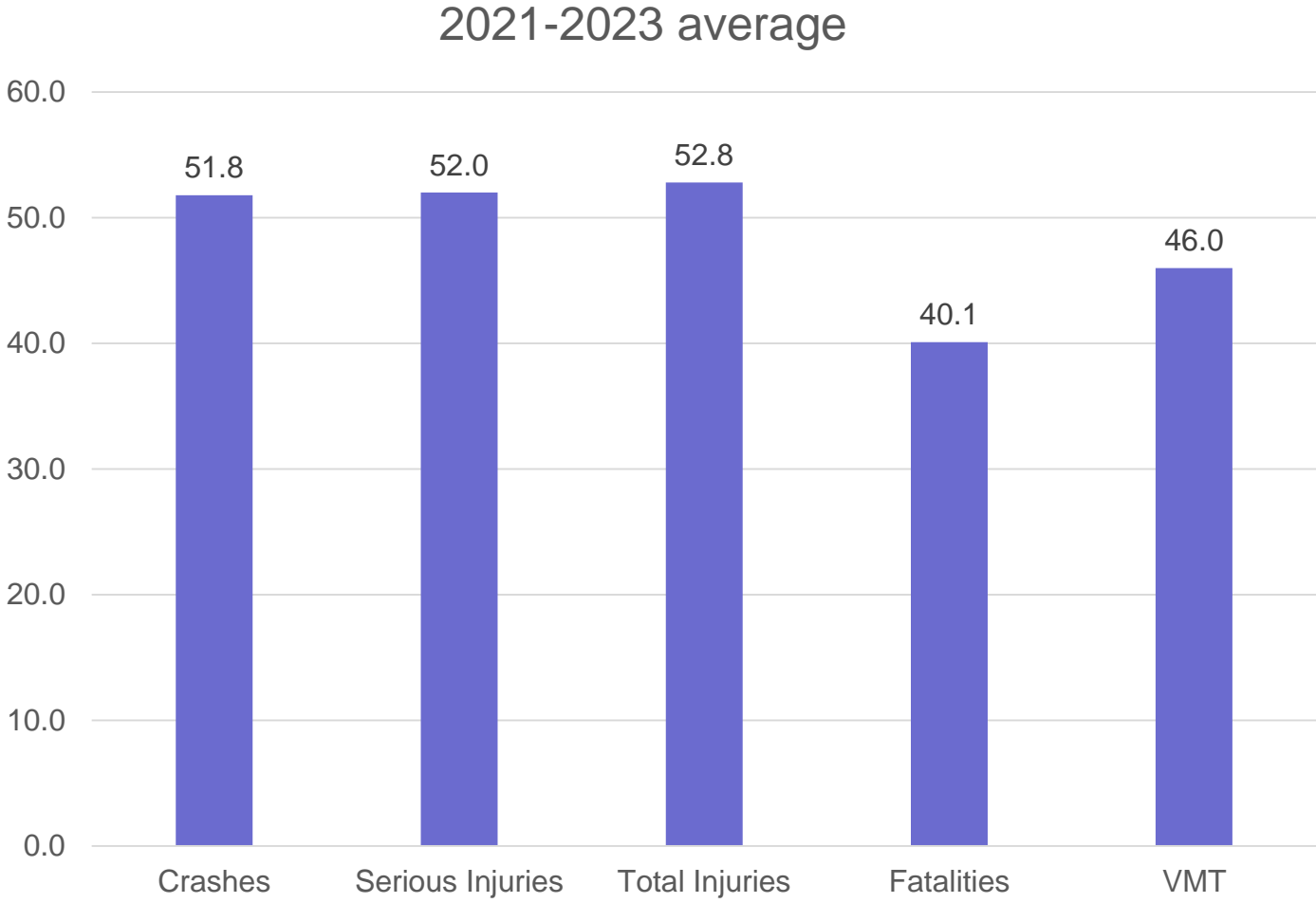
# Non-motorist Fatalities and Serious Injuries



# Non-motorized Serious Injuries and Fatalities (BRTB region)



# BRTB Percent of State



# Safety Performance Targets

- Federal regulations state that MPOs must set safety performance targets 180 days after the State HSIP Report is submitted.
- Initial BRTB safety targets were set in January 2018 and updated each January since then.



# BRTB Target-Setting Process



- **Follow Maryland methodology**
  - Exponential forecast from 2005-2009 average
  - Annual 2% reduction in cases of increasing trends
  - Single year target is midpoint of five-year average (e.g. 2020 target = 2018-2022 average)
- **Set five targets specific to the BRTB region**
- **Updated targets to be approved no later than February 28, 2025**
  - Incorporate new year of data into five-year rolling averages

# For Resolution #25-19

## Baltimore Region Yearly Highway Safety Targets






Performance Measure	2005-2009 Baseline	2022 Actual	2023 Actual	Change 2022-2023	2021-2025 Target	2030 Goal
Number of Fatalities	244	223	252	↑13.00%	220	219
Number of Serious Injuries	2,094	1,544	1,515	↓1.88%	1,339	1,231
Fatality Rate per 100 Million VMT	0.94	0.85	0.95	↑11.76%	0.82	0.80
Serious Injury Rate per 100 Million VMT	8.06	5.90	5.74	↓2.71%	4.99	4.52
*Number of Non-motorized Fatalities & Serious Injuries	290	313	410	↑30.99%	339	294

*\*Increasing trend, so a two percent annual reduction applied.*

*\*Exceeded 2020-2024 target in 2022*

	2005-2009 Baseline	2022 Actual	2023 Actual	Change 2022-2023
Million Vehicle Miles Traveled (VMT)	25,952	26,157	26,412	0.97%

# State Trends

Performance Measure	2022 Actual	2023 Actual	Change 2022-2023
Number of Fatalities	566	621	 9.72%
Number of Serious Injuries	2,967	3,010	 1.45%
Fatality Rate per 100 Million VMT	0.99	1.08	 9.09%
Serious Injury Rate per 100 Million VMT	5.22	5.23	 0.19%
Number of Non-motorized Fatalities & Serious Injuries	665	722	 8.57%
Million Vehicle Miles Traveled (VMT)	56,784	57,537	1.33%

# Preliminary 2024 Fatalities

Total Fatalities					
	2020	2021	2022	2023	2024
Anne Arundel Co	49	39	48	45	50
Baltimore City	68	48	46	47	50
Baltimore Co	63	78	66	91	70
Carroll Co	16	7	9	12	15
Harford Co	17	18	21	24	13
Howard Co	29	33	29	23	21
Queen Anne's Co	6	4	4	11	7
Region	248	227	223	253	226
Maryland	573	563	566	622	553
as of 1/13/25	<a href="https://zerodeathsmd.gov/resources/crashdata/crashdashboard/">https://zerodeathsmd.gov/resources/crashdata/crashdashboard/</a>				

# BRTB Strategies

- What have we done/are doing?
  - Incorporated measures and targets into the TIP
  - Enhanced safety project scoring for the LRTP
  - Complete Streets Policies/PSAP/VRU Assessment
  - Congestion Management Process
  - Local Strategic Highway Safety Plans
    - Six in place
    - Safe Streets and Roads for All – in all jurisdictions
  - Pedestrian/Bicycle Coordinators
  - Look Alive campaign
  - BRTB hyper-local safety campaign
  - Safe System Approach project
  - Expanded public engagement
- New ideas?

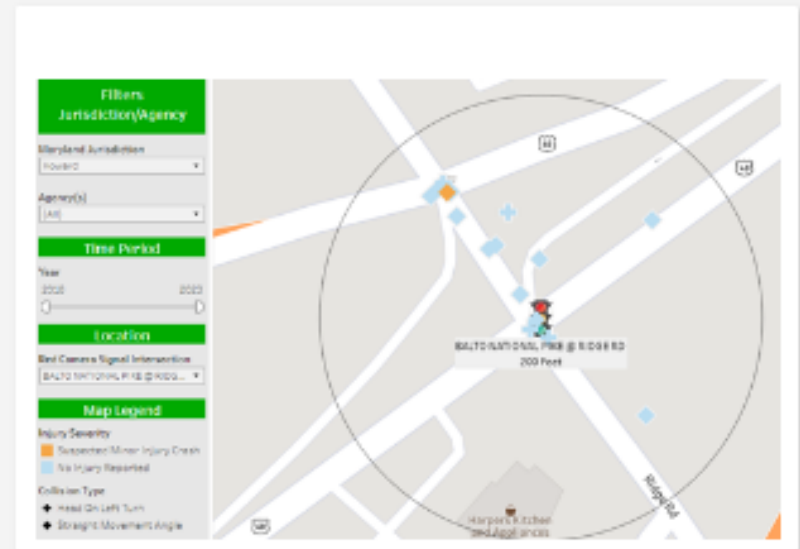
# Crash Data Dashboards

**Crash Behavior Analysis**

All  
Month(s) - All  
Day of Week - All  
Behavior All Crash Records

	2018	2019	2020	2021	2022
Property Damage Only	504	525	587	540	55
Minor Injury	2,681	2,989	2,282	2,582	2,512
Major Injury	12,232	12,281	9,004	13,620	10,071
Fatal	18,200	18,095	13,271	14,771	14,608
Total	32,927	32,943	25,144	33,913	29,246
Property Damage Only	745	625	679	624	621
Minor Injury	118,149	116,090	95,665	100,503	100,522
Major Injury	531	543	590	579	581
Fatal	40,083	38,482	28,823	40,494	40,494

Crash Dashboard 2018-2023



Crash Dashboard 2024

<https://baltometro.org/data/planning-dashboards>

# FY 2024 SS4A Awards (BRTB)

## Maryland

Lead Applicant	Project Title	Application Type	Urban/ Rural	Funding Award
City of Annapolis	City of Annapolis, MD - Safe Streets for All – FY 24 Planning and Demonstration Grant - AI Technology for Safety Improvements at Traffic Signals	Conduct Demonstration or Other Supplemental Planning Activities (only)	Urban	\$623,054
University of Maryland, College Park	The Baltimore City Action Plan: Supplemental Funding to Study Bridge Collapse Impacts	Conduct Demonstration or Other Supplemental Planning Activities (only)	Urban	\$400,000

