

# Regional Transit Safety Performance Targets

ARC Board  
May 12, 2021



# Performance Based Planning

- **MAP-21 / FAST Act** – Requires the use of performance-based planning for State DOTs, MPOs and public transportation operators.
  - The achievement of performance targets must be linked to investment priorities, included in the TIP and regional long-range plans.
- **The Federal process includes 25+ different performance measures that are required to be set annually or every couple of years.**
  - Highway Safety
  - Highway Asset Conditions
  - Highway System Performance
  - Transit Assets
  - **Transit Safety**

# Four Transit Safety Performance Targets

Measures	
1. Fatalities	Total number of reportable fatalities and the rate per total vehicle revenue miles by mode
2. Injuries	Total number of reportable injuries and the rate per total vehicle revenue miles by mode
3. Safety Events	Total number of reportable events and the rate per total vehicle revenue miles by mode
4. System Reliability	Mean distance between major mechanical failures by mode

# 2021 Draft Regional Safety Performance Targets

## Draft Regional Safety Performance Targets - Highest Number, Rate & Shortest Distance

Mode	Fatalities		Injuries		Safety Events		System Reliability (Mean Distance Between Failures)
	Total	Rate (Per 100k VRM)	Total	Rate (Per 100k VRM)	Total	Rate (Per 100k VRM)	MDBF = (VRM/Failures)
Fixed Route Bus	0	0	210	77.2*	94	34.6*	7,500
Demand Response	0	0	14	18.8*	11	14.3*	15,000
Commuter Bus	0	0	8	0.4	38	1.97	16,000
Light Rail	0	0	5	0.03	5	0.08	2,700
Heavy rail	0	0	28	0.12	32	0.14	23,000

(\*Per 10M VRM - used for Large Operators)

# Next Steps & Questions

---

- TAQC Actions – July
- ARC Actions – July
- After Adoption – Start working towards a new target setting methodology.

**QUESTIONS?**

