River to Sea TPO Transit Safety Performance Targets

RIVER TO SEA TPO
Transportation Planning Organization
VISION - PLAN - IMPLEMENT

Transit Performance Measures

MAP-21 & FAST Act require transit providers to develop:

- Public Transportation Agency Safety Plan (PTASP)
- Transit Asset Management (TAM) Plan

Public Transportation Agency Safety Plan (PTASP)

https://www.youtube.com/watch?v=9GUp6bdYySc&frags=pl%2Cwn

- The PTASP final rule (49 C.F.R. Part 673) requires certain operators of public transportation systems that are recipients or sub-recipients of FTA grant funds to develop safety plans based on a safety management systems approach

- A key component of the PTASP rule is a requirement for transit providers to annually establish transit safety performance targets.

- MPOs, including the R2CTPO, also must establish transit safety targets for the metropolitan planning area and incorporate transit safety into the transportation planning process

- After initial transit safety targets are established, MPO's must update subsequent transit safety targets when the TIP or LRTP is updated

How do MPOs establish Transit Safety Targets?

Option #1

▶ The MPO's numeric targets are the same as the transit operator's targets (this option is used by R2CTPO)

Option #2

▶ The MPO establishes numeric targets for the MPO planning area that are different than the numeric targets established by the transit operator

PTASP is not required for SunRail (exempt by State Safety Oversight Program) or Flagler County Public Transit (no FTA Section 5307 funds)

Transit Safety Performance Measures

Transit providers establish performance targets in the PTASP for each federal safety performance measure defined by FTA in the National Transportation Safety Plan:

- **Fatalities**
  - Total number of reportable fatalities
  - Rate of reportable fatalities per total vehicle revenue miles by mode
- **Injuries**
  - Total number of reportable injuries
  - Rate of reportable injuries per total vehicle revenue miles by mode
- **Reportable Safety Events**
  - Total number of reportable safety events
  - Rate of reportable events per total vehicle revenue miles by mode
- **System Reliability**
  - Mean distance between major mechanical failures by mode

Votran Safety Targets

Votran has developed Safety Performance Targets in compliance with the National Public Transportation Safety Plan (NSP) – §673.11(a)(3) requirements.

Mode of Transit Service	Vehicle Revenue Mile (VRM)	Fatalities Total	Fatalities (Per 100K VRM)	Injuries (Total)	Injuries (Per 100K VRM)	Safety Events (Total)	Safety Events (Per 100K VRM)	System Reliability (Total Mech. Failures)	System Reliability (Per 100K VRM)
FY 2023 Fixed Route	2,645,650	0	0	11	0.39	3	0.10	439	15.76
FY 2023 Demand Route	1,787,976	0	0	0	0	0	0	86	4.80

FY 2023 Performance Targets Summary

► Fatalities – keep fatalities at zero (0) in all modes

► Injuries – reduce number of reportable injuries by 10% from FY 21 in all modes

► Safety Events – reduce number of reportable safety events by 10% from FY 21 in all modes

► System Reliability – reduce number of road calls per 100,000 by 10% from FY 21 in all modes

Transit Asset Management (TAM) Plans

Goal is to use the Transit Asset Management Plan to reach (or maintain) a _State of Good Repair_

▶ SunRail TAM Plan update due in 2022

▶ Votran's TAM Plan was updated in 2020

▶ FCPT's TAM Plan was updated in 2021

Asset Categories

- **Equipment**
- **Rolling Stock**
- **Infrastructure**
- **Facilities**

Transit Asset Management (TAM) Plans

FTA Asset Class	Details	Performance Measure
Equipment	Non-revenue support-service and maintenance vehicles	% of non-revenue, support-service and maintenance vehicles that have met or exceeded their useful life benchmark (ULB)
Rolling Stock	Revenue Service Vehicles	% of revenue vehicles within a particular asset class that have met or exceeded their ULB
Infrastructure	_Rail_ fixed-guideway track	% of track segments with performance restrictions
Facilities	Buildings and structures	% of facilities within an asset class rated below condition 3 on the TERM scale

Future TPO Board Action

Review and Recommend Approval of

2022 Transit Safety Performance Targets

Monitor Transit Asset Management Plan updates and incorporate into the TIP as needed