

APTA Mid-Year Safety Seminar

Bus Safety Committee Meeting

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Safety Advisory 23-1 Overview

- **Distribution:** Published in the [Federal Register](#)
- **Effective Date:** September 19, 2023
- **Audience:** Agencies that provide bus service
- **Overview:** Recommends transit agencies that provide bus service:
 - Consider mitigation strategies to reduce bus-to-person collisions
 - **Identify specific hazards** that may cause or contribute to bus-to-person collisions, **assess the associated safety risk**, and **implement appropriate mitigations** to reduce the likelihood and severity of those collisions



Bus-to-Person Collisions Definition

Safety Advisory 23-1 defines bus-to-person collisions as collisions between buses and:



Pedestrians



Bicyclists



People using micromobility devices



Purpose of Safety Advisory 23-1: The Data



From 2008 to 2021, transit agencies reported **7,298 bus-to-person collisions** to the National Transit Database, which resulted in **537 fatalities** and **7,329 injuries**

Bus-to-Person collisions accounted for:



Of All Transit Fatalities



Of Bus-Transit Fatalities

Injuries and Fatalities by Location

Injuries and Fatalities

Location of Bus-to-Person Collision injuries and fatalities from 2017 to 2021:

Roadway Intersections

42%

Mid-Block of Roadway

38%

Bus Stops

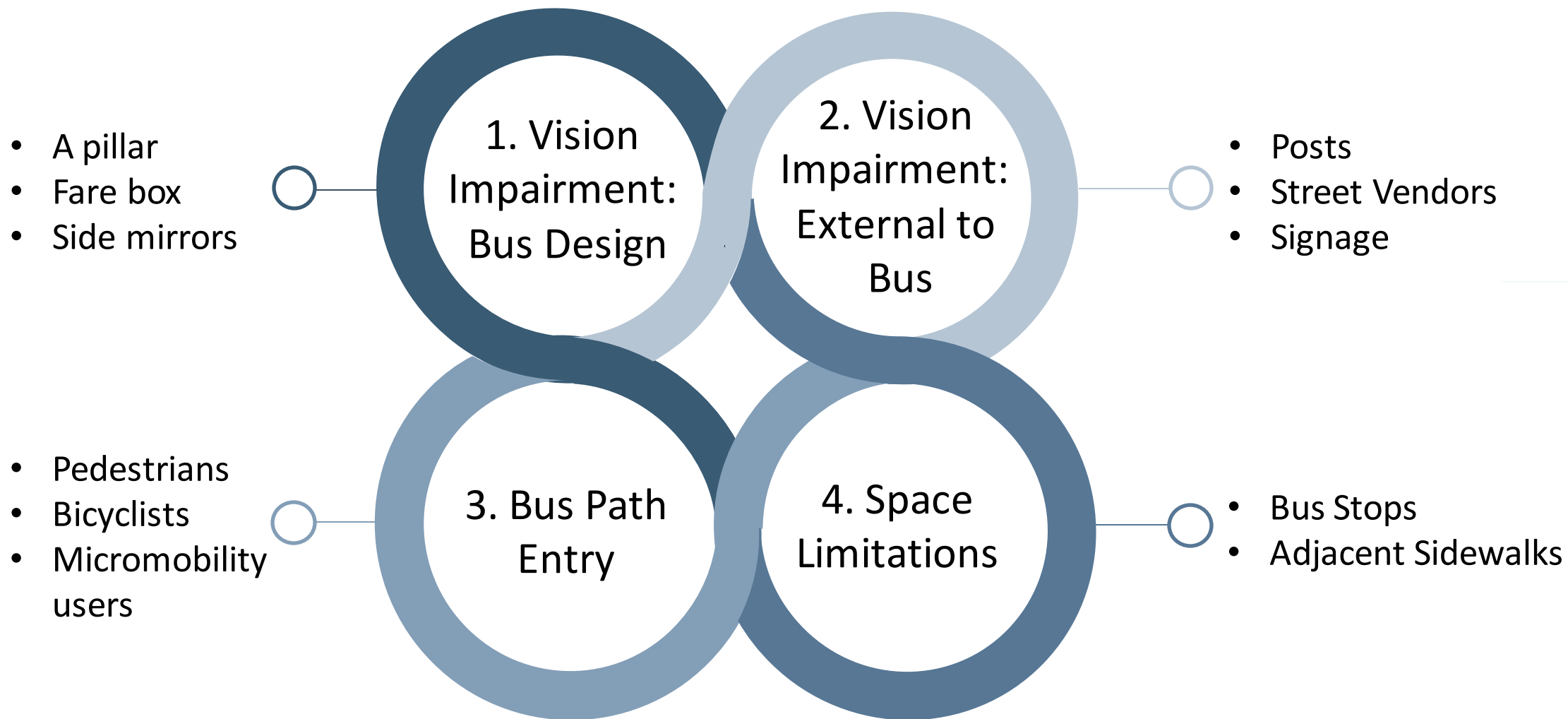
15%

All Other Locations

5%

Source: National Transit Database, 2017–2021

Bus-to-Person Collisions Hazards



Recommended Actions (1 of 2)

Follow Safety Advisory 23-1 Guidance:

- **Consider mitigation strategies** to reduce bus-to-person collisions
- **Identify specific hazards** that may cause or contribute to bus-to-person collisions
- **Assess the associated safety risk**
- **Consider safety risk mitigations**

FTA also recommends that transit agencies identify and assess additional hazards **unique to their agency's operating environment.**



Recommended Actions (2 of 2)

Transit agencies that focus on *bus operator vision impairment* as a safety hazard may consider the below categories of safety risk mitigations, among others:



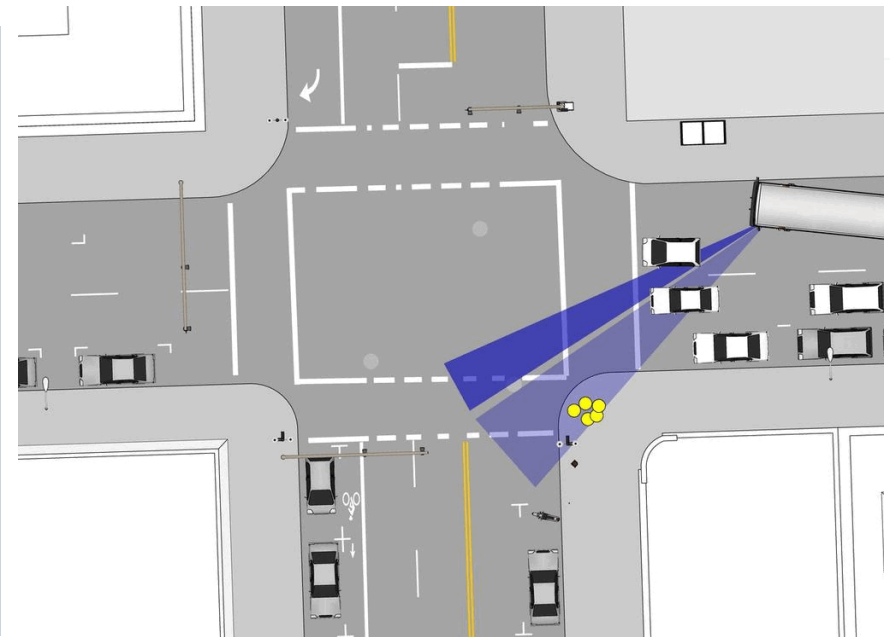
Vehicle Design

1. Vehicles
2. Vehicle Systems



Operator Driving Policies and Procedures

1. Scanning
2. Square Left Turns



Questions

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