



2025 FTA JOINT STATE SAFETY OVERSIGHT AND RAIL TRANSIT AGENCY WORKSHOP

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Session 16

Managing Safety at Transit Rail Grade Crossings



2025 Joint SSO and RTA Workshop

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Agenda

- Transit Rail Grade Crossing Incidents
- Transit Rail Grade Crossing (RGX) Collision Trends
- Transit RGX Incident Analysis



Transit Rail Grade Crossing Incidents

From 2018–2024

4,230

**Total Reported
Transit RGX
Collisions**

109

**Collisions
Resulting in
Fatalities**

783

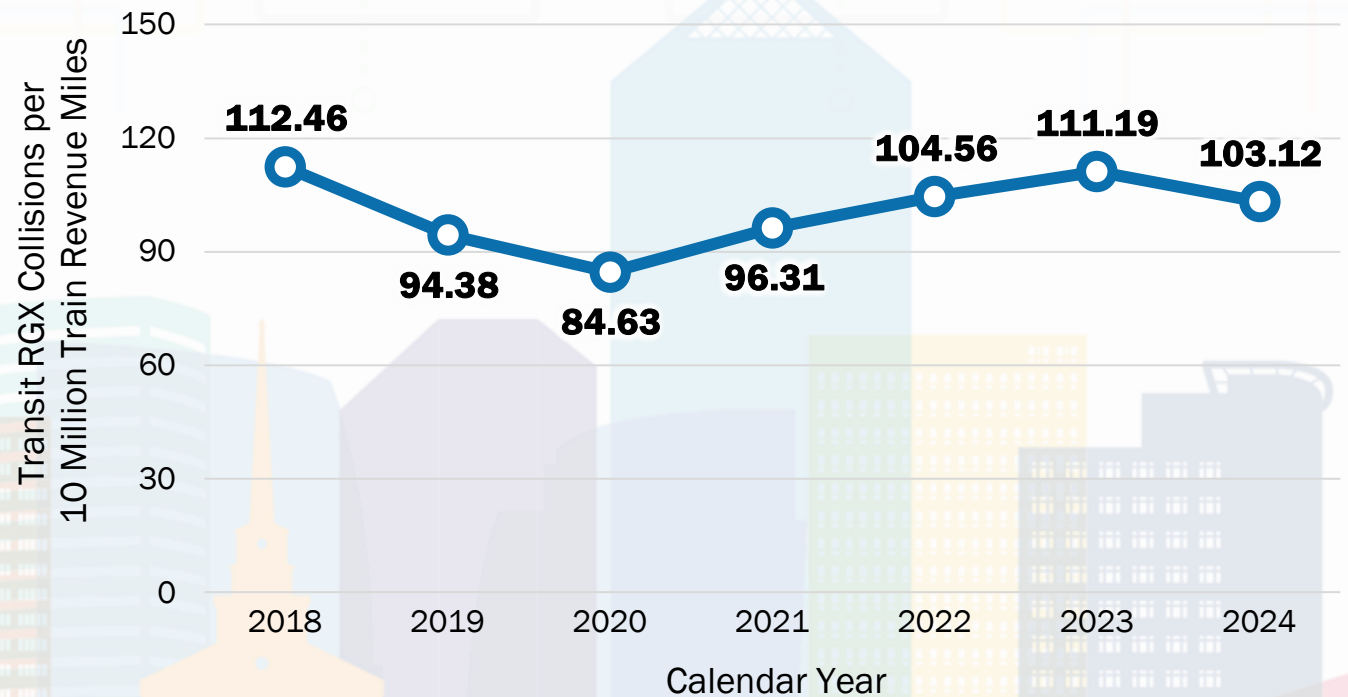
**Collisions
Resulting in
Injuries**

2024 NTD data are preliminary.
Source: National Transit Database (NTD). Data reflect submissions received through April 1, 2025.

Transit RGX Collision Trends

From 2018–2024

After reaching a low in 2020, the transit RGX collision rate per train revenue mile (TRM) increased each year from 2021 to 2023 then decreased in 2024.



2024 NTD data are preliminary.
Source: National Transit Database (NTD). Data reflect submissions received through April 1, 2025.

Transit RGX Incident Analysis

Transit RGX are often different from conventional RGX due to the inclusion of pedestrians, cars and street traffic. During a recent FTA survey, incidents reported at street intersection crossings were approximately *10 times higher* than at conventional grade crossings.

Seattle DOT RGX Example



Source: [FTA Standards Development Program: Rail Transit Roadway/Pedestrian Grade Crossing Exploratory Report](#) | May 2022.



Contact Information

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