Transit Rail Grade Crossing Safety Data
SUMMARY

April 2025

TRANSIT RAIL GRADE CROSSING SAFETY LANDSCAPE

FTA analyzes data reported to the National Transit Database (NTD) to monitor transit rail grade crossing (RGX) incidents, injuries and fatalities.

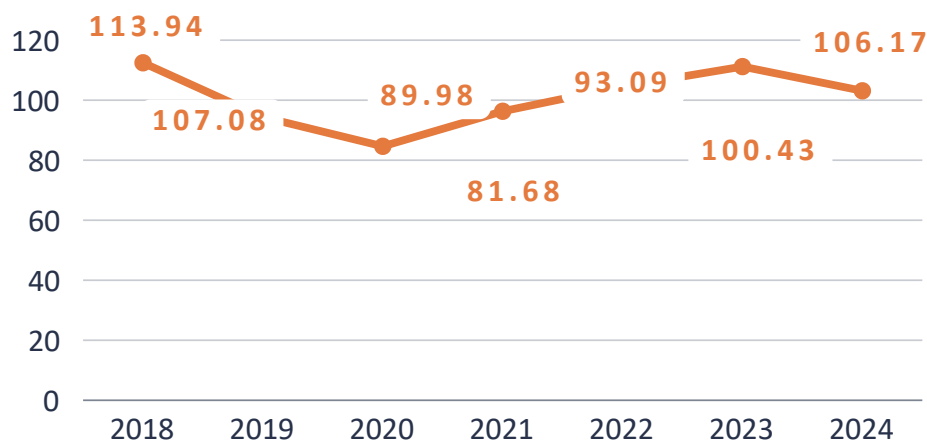**2018 — 2024:**

4,230
Total Reported Collisions

109
Collisions Resulting in Fatalities

783
Collisions Resulting in Injuries

TRANSIT RGX COLLISION TRENDS (2018 — 2024)

Chart — Y-axis: TRANSIT RGX COLLISIONS PER 10M TRAIN REVENUE MILES

- 2018: 113.94
- 2019: 107.08
- 2020: 81.68
- 2021: 89.98
- 2022: 93.09
- 2023: 106.17
- 2024: 100.43

SUMMARY

The transit RGX collision rate per train revenue mile decreased each year from 2018-20. After 3 consecutive years of increases, the 2024 rate decreased from 2023.

Data reflects NTD event submissions through May 2, 2023. 2022 NTD data are preliminary.

INCIDENTS AND COLLISIONS DATA

Transit rail grade crossings are often different from conventional crossings 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.

Source: FTA Standards Development Program: Rail Transit Roadway/Pedestrian Grade Crossing Exploratory Report | May 2022.

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Source: NTD, 2016-2022.