



Near Miss

Predict risks. Prevent crashes.
Protect lives.

Near Miss helps cities proactively identify and improve high-risk intersections with AI-powered insights to accelerate Vision Zero outcomes.



The Problem with Reactive Safety

Over 46,000 people are killed in crashes each year across the U.S. and Canada, with child fatalities on the rise. Despite billions invested in infrastructure and enforcement, many cities still rely on traditional crash reports. These reports can be delayed, incomplete, and miss critical near-miss events. Without real-time risk data, serious dangers may go unnoticed until it's too late.



Near Miss Enables Proactive Safety

Near Miss continuously detects high-risk events and close calls between vehicles, cyclists, and pedestrians. It helps cities analyze patterns, identify danger zones, and make faster, data-driven safety decisions. With 24/7 monitoring and video insights, agencies can act before crashes occur.

Features and Capabilities

✓ Rapid Deployment

Deploy quickly across cities without waiting for crash data or relying on lengthy, costly studies.

✓ Real-Time Risk Detection

Analyze Post Encroachment Time (PET) and Time to Collision (TTC) to identify high-risk interactions between vehicles, cyclists, and pedestrians.

✓ Video-Based Root Cause Analysis

Access high-severity event video to support faster diagnostics and planning.

✓ Severity-Based Dashboards

Filter and prioritize near-miss events based on severity, risk score, and road user type.

✓ Detailed Conflict Analytics

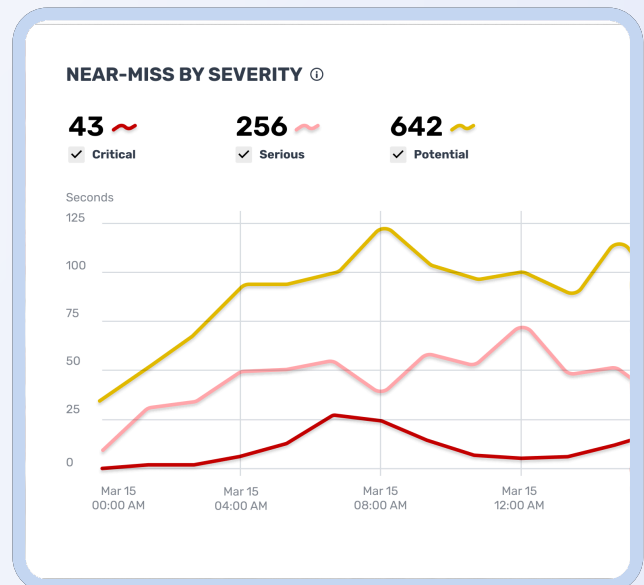
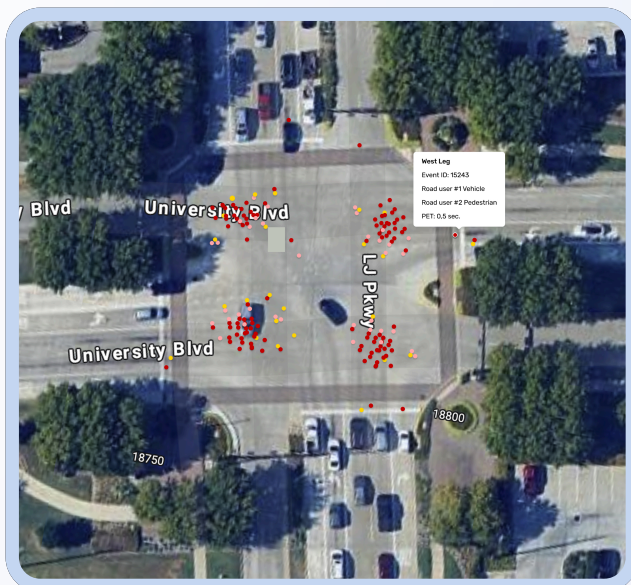
Analyze trends by severity, user type, and lane of origin to guide safety improvements.

✓ Intersection Heatmaps

Visualize high-conflict zones with color-coded severity and on-hover road user details.

✓ Exportable Reports

Download reports in PDF or CSV format for archiving, sharing, and internal documentation.



AI Mobility Platform

The Near Miss application can be activated from the Mobility Store, that provides a diverse range of applications. The Mobility Store is part of the NoTraffic AI Mobility Platform, which integrates AI-powered software and hardware at the edge under a cloud-based Mobility OS (Operating System) to address current and future transportation needs.

