

***Receive Update on
Caltrain Safety
Performance and
Trespasser and
Suicide Prevention
Initiatives***

**JPB TOPS Committee
February 25, 2026**



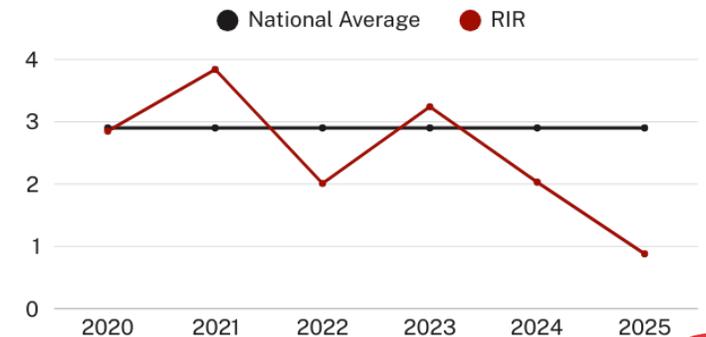
Safety Performance Quarterly Overview

- Safety – First and Always is Caltrain's #1 Core Value
- Safety Culture Enhancements
- Caltrain Safety Dashboard
- Security Calls for Service

Safety Culture

- **Safety – First and Always** is our primary core value
- Safety Culture – Safety Champions
- Risk/Data Based Decision Making/Assessments
- Grade Crossing Safety Enhancements – Zero Incursions
- Recordable Incident Rate (RIR) < 1
- Caltrain Right of Way Safety Strategy

Frequency of Occurrence	Severity			
	1 Catastrophic	2 Critical	3 Marginal	4 Negligible
(A) Frequent	1A	2A	3A	4A
(B) Probable	1B	2B	3B	4B
(C) Occasional	1C	2C	3C	4C
(D) Remote	1D	2D	3D	4D
(E) Improbable	1E	2E	3E	4E

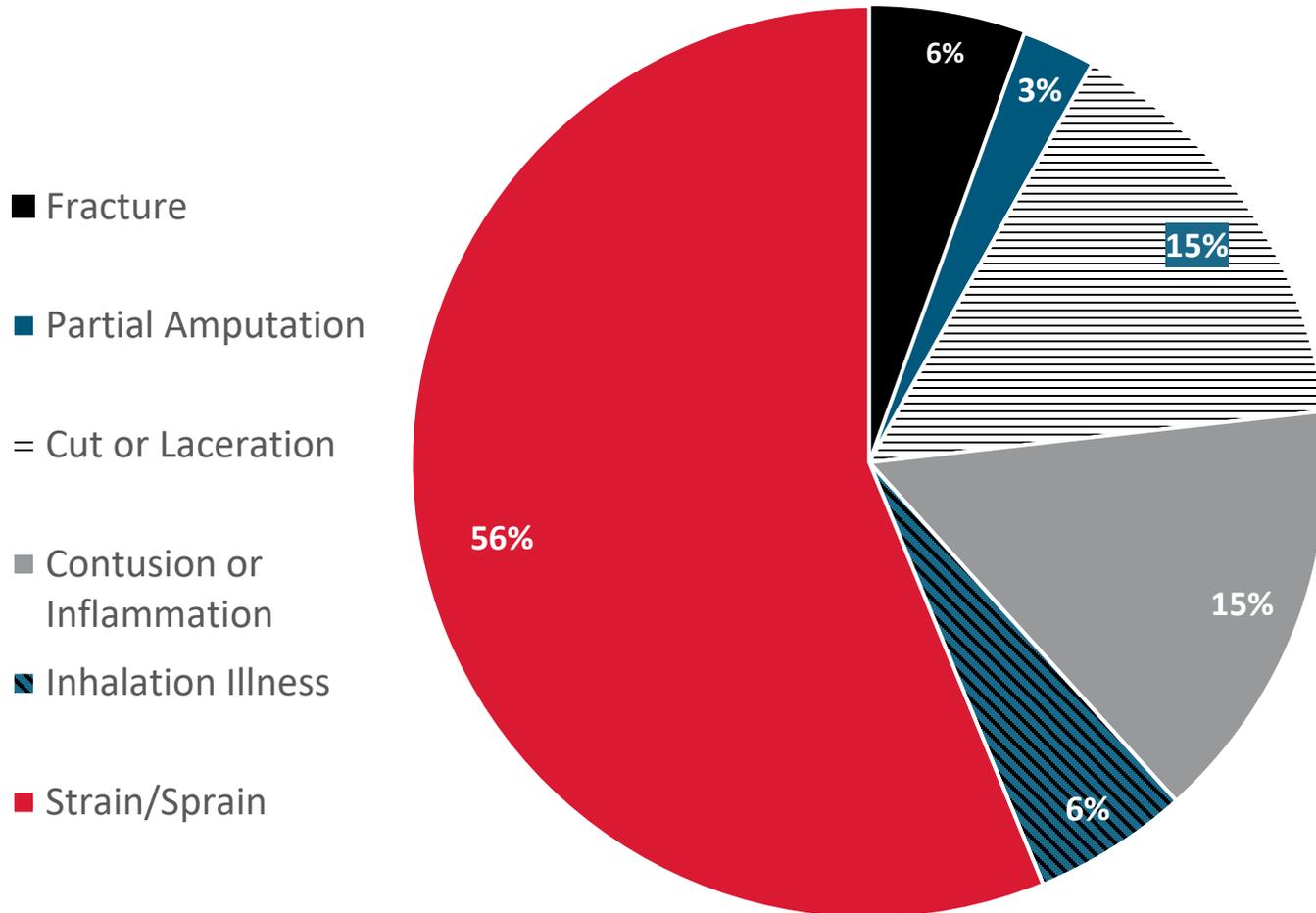


Injuries

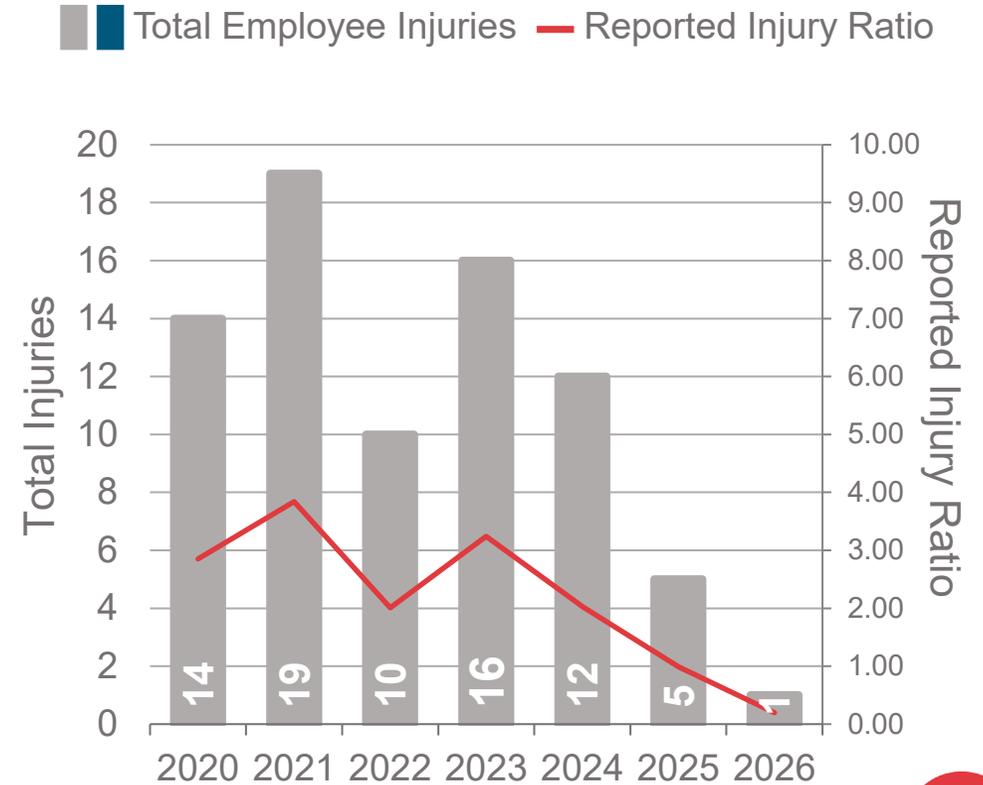
Days Without a Reportable Injury as of 2/13/2026		
<u>Department</u>	<u>Days Without Injury</u>	<u>Date of Last Injury</u>
OPS	3	2/10/2026
MOE	214	7/6/2025
MOW	192	7/28/2025
OTHER	2,080	5/27/2020

Reportable Injuries

Types of Injuries CY2020 - CY2026



Employee Injuries, Reportable Injury Rate by Year



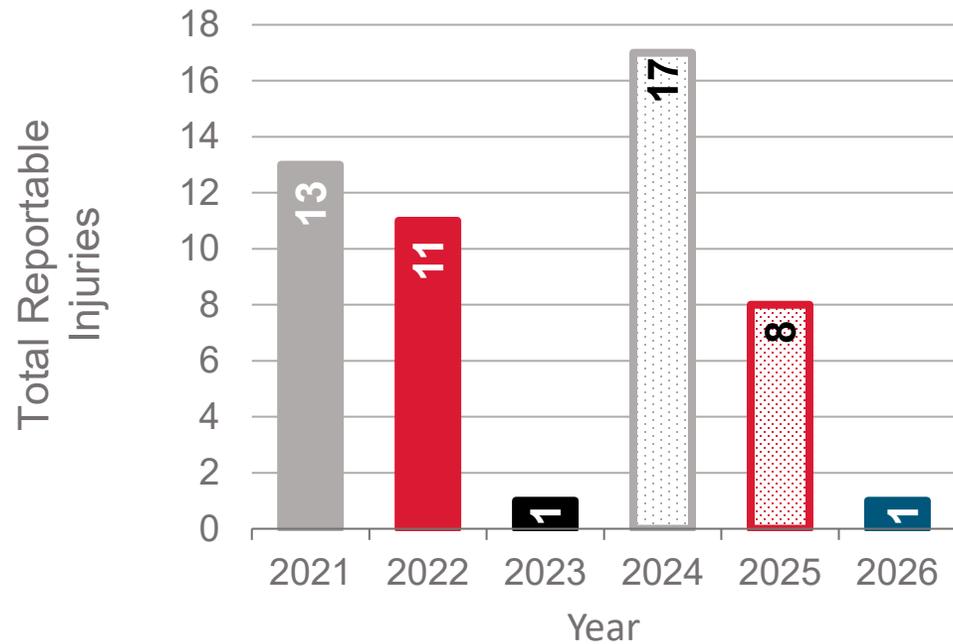
The national average RIR is 3.0 for our industry per the U.S. Bureau of Labor Statistics.



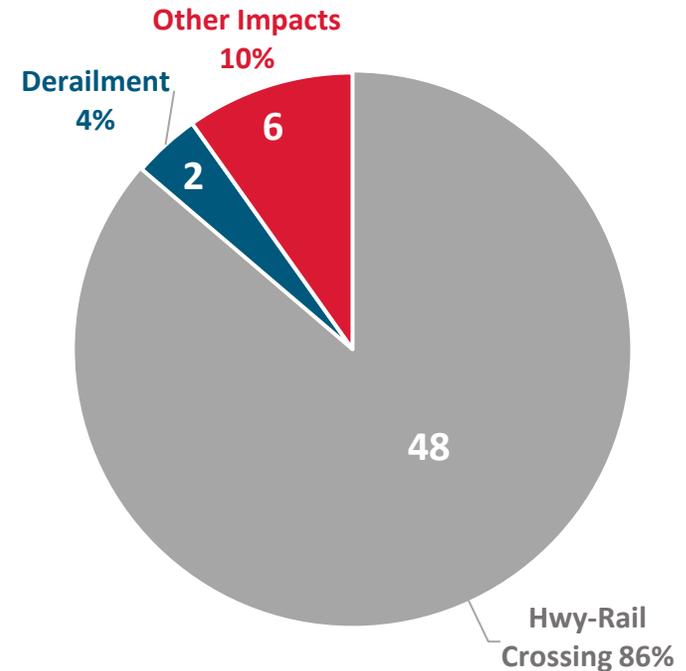
Reportable Accidents/Incidents

All

Reportable Rail Equipment Incidents YoY CY2021 – CY2026



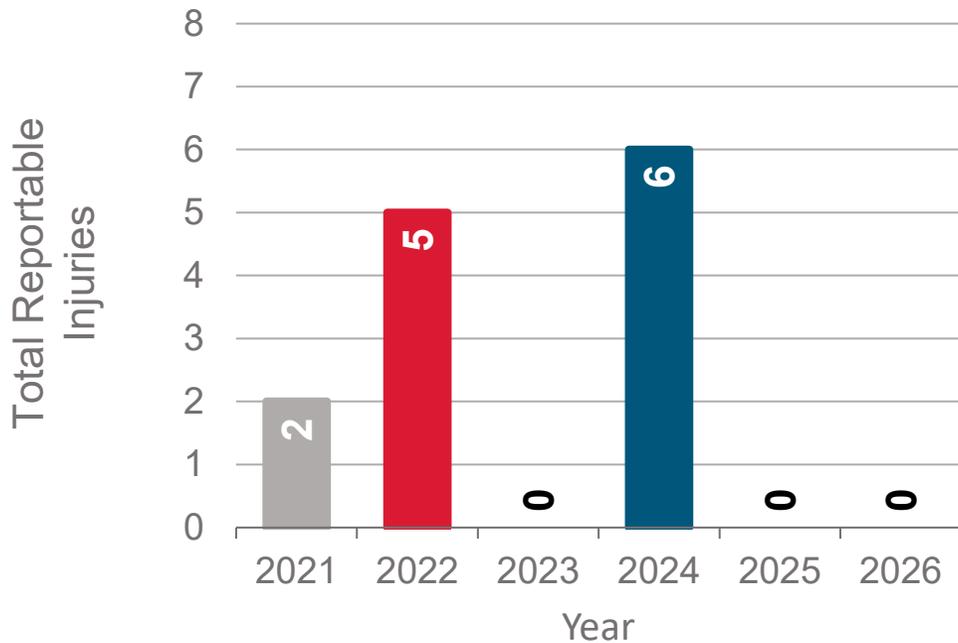
Reportable Rail Equipment Incidents CY2020 - CY2025



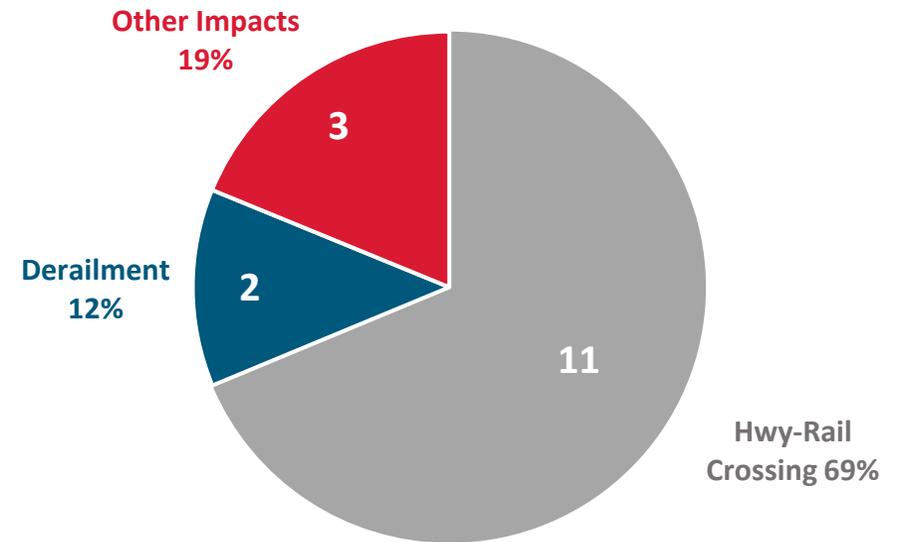
Reportable Accidents/Incidents

Monetary Threshold

Reportable Rail Equipment Incidents
Exceeding Monetary Threshold
YoY CY2021 – CY2026

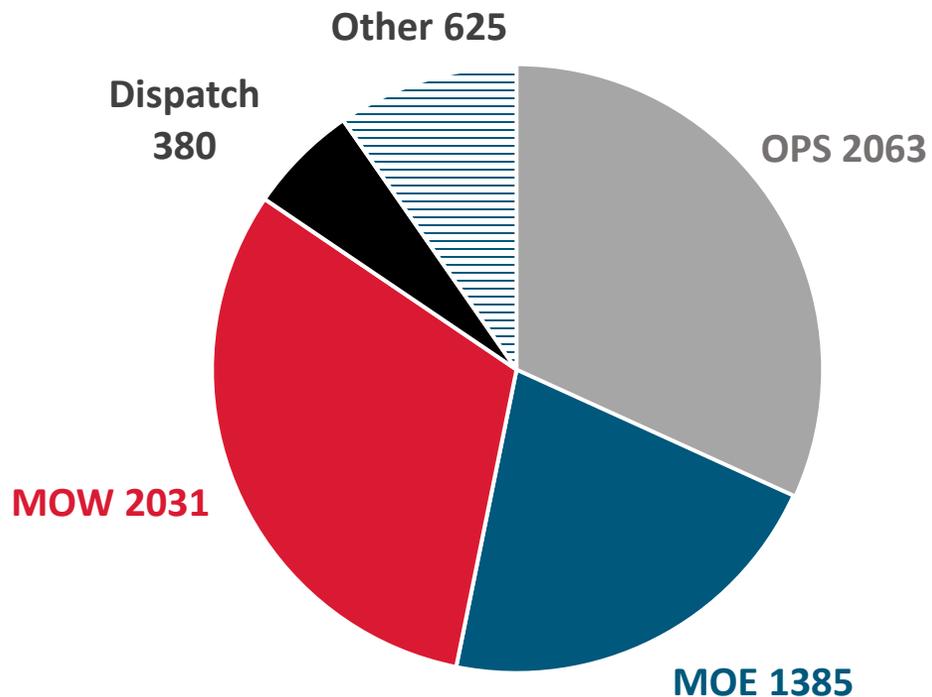


Reportable Rail Equipment Incidents
Exceeding Monetary Threshold
CY2020 - CY2025



Employee Engagements

Employee Engagement
Across Safety Events
2025

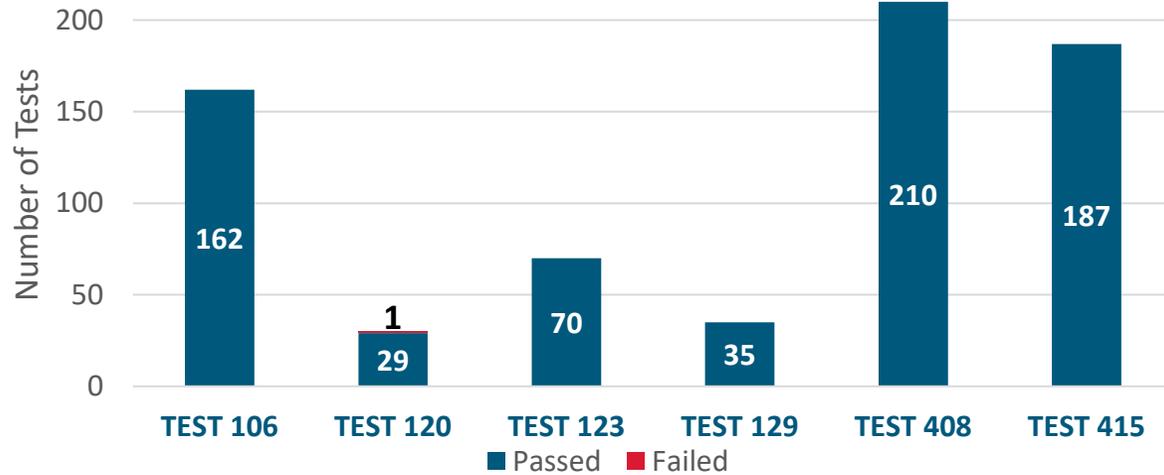


- TASI **5-day Safety Week** event consisted of one engagement topic each day. Collectively, TASI management engaged with **1,395** employees during Safety Week 2025.
- Collectively TASI management engaged with **1,387** employees during the 3 months of **Spring Trends**.
- Collectively TASI management engaged with **2,580** employees after the fourth and final week of **Summer Spike**.
- Collectively TASI management engaged with **1,120** employees during the 2 months of **Winter Freeze**.

100% of TASI Employees!

Efficiency Testing

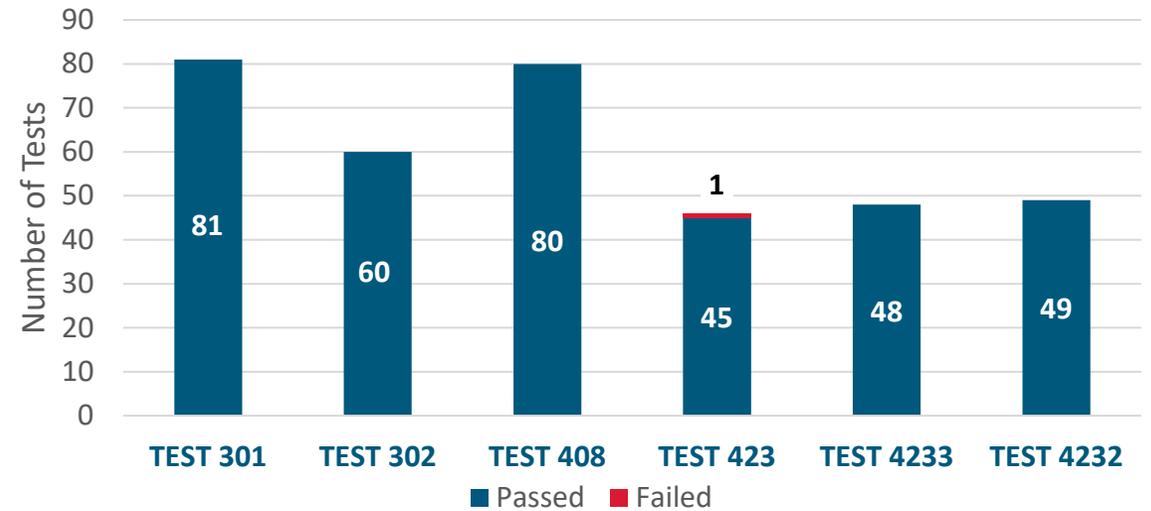
Operations Efficiency Testing Focus



Testing Requirements:

- **TEST 106** - Trains/Engines/Cars left unattended
- **TEST 120** - Conductor calling restrictions to Engineer
- **TEST 123** - Automatic warning devices
- **TEST 129** - Protection by Track Bulletin Form B (GCOR 15.2)
- **TEST 408** - Alcohol and drug observations
- **TEST 415** - Leaving rolling stock & on track equipment in the clear

Mechanical Efficiency Testing Focus

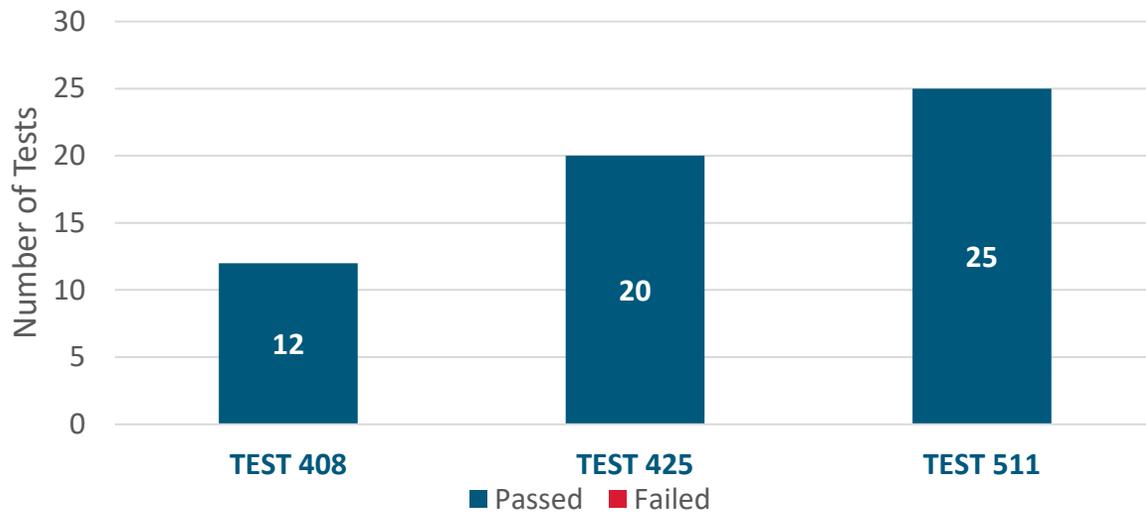


Testing Requirements:

- **TEST 301** - Blue Signal - Establishing/Removing Protection
- **TEST 302** - Lockout/Tagout
- **TEST 408** - Alcohol and Drug Observation
- **TEST 423** - PPE - Sanding Procedure (Safety Rules 301.1)
- **TEST 423** - Housekeeping (Safety Rules)
- **TEST 423** - Lighting & Pulling Operations (Safety Rules 306.0-306.27)

Efficiency Testing

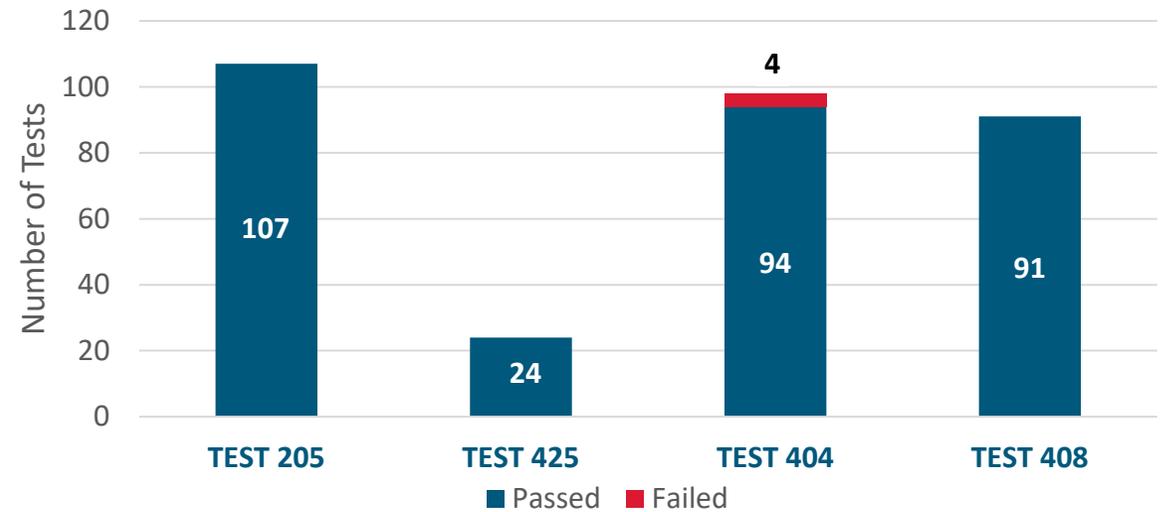
Dispatch Efficiency Testing Focus



Testing Requirements:

- **TEST 408** - Alcohol and Drug Observations
- **TEST 425** - Scenario Improper Readbacks on Track & Time
- **TEST 511** - Changing Established Route (TDM 21.1.1)

MOW Efficiency Testing Focus

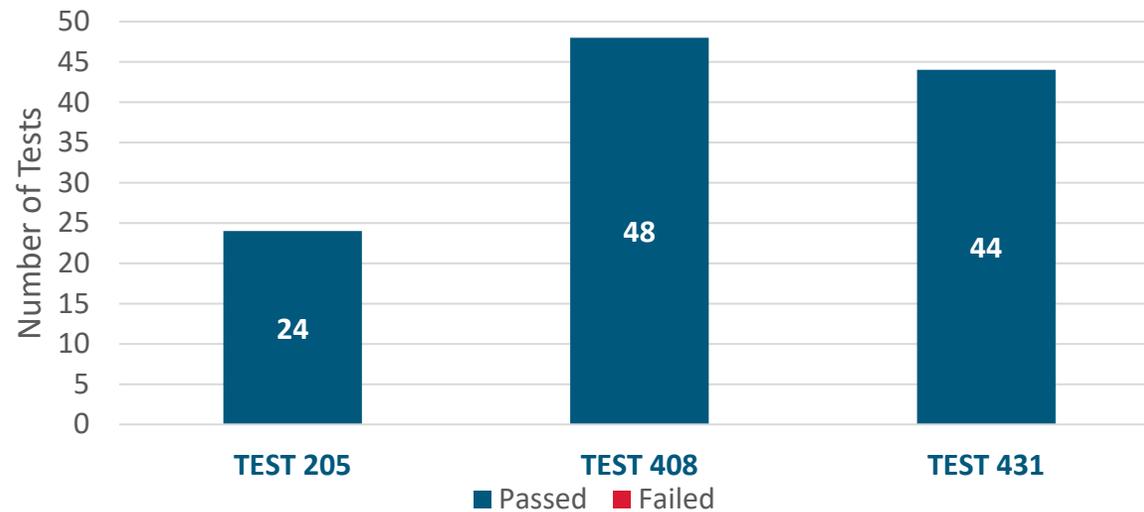


Testing Requirements:

- **TEST 205** - Protection of track cars/men/machines
- **TEST 425** - Conduct proper job briefing before releasing authority limits
- **TEST 404** - Personal protective equipment
- **TEST 408** - Alcohol and Drug Observations

Efficiency Testing

TES Efficiency Testing Focus

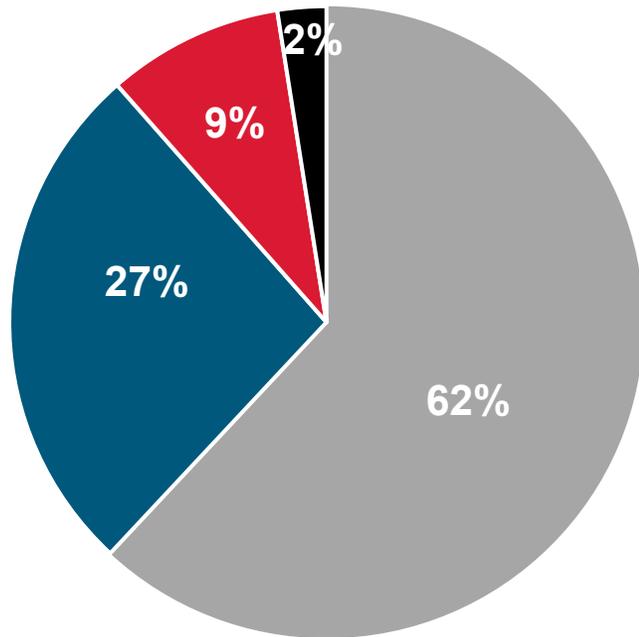


Testing Requirements:

- **TEST 205** - Protection of track cars/men/machines
- **TEST 408** - Alcohol and Drug Observations
- **TEST 431** - Personal Protective Grounds (EOI 105.33-105.39)

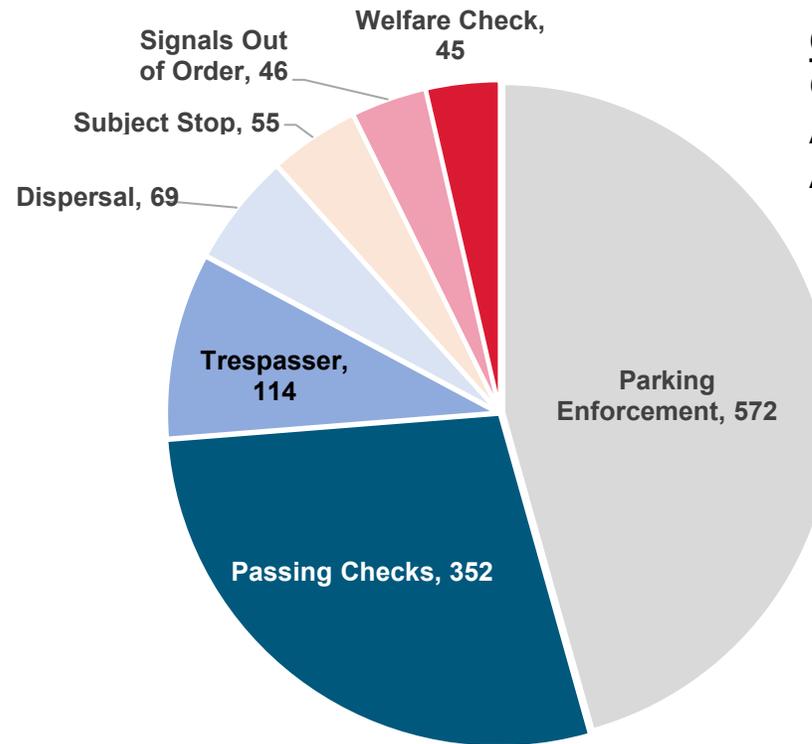
Transit Police Calls for Service

**Calls for Service by County
October-December 2025**



■ San Mateo ■ Santa Clara
■ San Francisco ■ Unknown

**Number of Calls by Category
October-December 2025¹**



October-December 2025 Service Call Data

Overall Average Response Time: **18:46**

Average Response Time for **Priority 1***: **8:46**

Average Response Time for **Priority 2****: **17:35**

*Priority 1 Calls: *In Progress – Crimes Against Persons*

**Priority 2 Calls: *Just Occurred – Crimes Against Persons/ In Progress – Property Crimes*

Footnote 1: Total calls for service totaled 1,755 in October-December across 20 categories. The pie chart shows the top 7 categories representing 1,253 calls or 71% of the total.



Caltrain Right-of-Way Safety Strategy

Trespasser and Suicide Prevention Initiatives

Safety Strategy Overview

- Context
- Hazard / Risk Assessments
- Engineering
- Education
- Enforcement
- Standard / Procedure Updates

This plan overlaps with the corridor crossing strategy - safety enhancement program

Trespasser Prevention – The Why

- Caltrain is a regional railroad operating in a dense corridor, with 31 stations and 71 at-grade crossings on an unsealed corridor.
- Trespasser and vehicle strikes, including suicides, are a serious issue for Caltrain operations and communities.
- These incidents cause tremendous negative impacts on family members, friends, train crews, passengers, witnesses, emergency responders and rail operations through delays and damage to property and reputation.
- Enhances security along the right-of-way.



Understanding the Risk

Caltrain is committed to a risk-based data-driven approach to Safety and Trespasser / Suicide prevention.

- Utilize Near Miss, Safety Reporting, Incident, Inspection data
- Prioritize based on trespasser/suicide data
- Risk Assessments of identified areas
- Determine most cost-effective solution(s) to reduce risk
- Implement solutions to address specific risks
- Monitor for effectiveness



Safety Strategy Approach

Caltrain is committed to developing this plan to reduce trespasser suicide and the broad ranging impacts following the documented best practice of the “Three E’s” of rail safety: **Engineering, Education, and Enforcement.**



Hazard / Risk Assessment

- **Update Threat and Vulnerability Assessment (TVA):** Develop an updated corridor-wide TVA that explicitly covers trespass, suicide risk, and grade crossing hazards, incorporating FRA tools and Caltrain data.
- **Update Grade Crossing Hazard Assessment:** Update Hazard Assessment using FRA accident prediction data and local crash/trespass history to rank crossings for separation, closure, or enhancement.

Engineering – Means Restriction

- Fencing – SOGR, New Fencing Projects in High-Risk Areas; Full alignment risk assessment in progress
- Pedestrian Channelization/Barriers
- Pilot new technologies (e.g. AI intrusion detection, anti-trespass panels)
- Include means-restriction concepts in all new grade separations, station rebuilds and 3rd party projects

Engineering – Continued

- Copper Theft Mitigation
- Vegetation Management Plan – focused on safety sightlines, tree and limb failure, fire risk and access control
- CCTV Master Plan - integrating grade crossings, stations, yards, and sensitive or high-risk locations into one unified, monitored system.
 - Phase 1 (High risk locations) - funded
 - Phase 2 (rest of corridor) - requires additional funding



Engineering – Deployed Locations Pilot Projects

Intrusion Detection Pilot Project (using Rail Sentry):

- San Francisco: 16th St
- Burlingame: Broadway Ave
- Palo Alto: Churchill Ave, East Meadow and Charleston Ave, Alma/Palo Alto Ave (to be installed)

Anti-Trespass Panel Pilot Project (4 crossings in Palo Alto locations):

- Data collection – before and after as well as working with Rutgers University



Anti-Trespassing Panel

Education - External Safety Communication

- **Targeted outreach** in communities near high-risk crossings and stations, e.g. schools, senior centers, mental health facilities, services, businesses.
- **Consistent messaging** on “stay off the tracks,” grade crossing 988 Suicide & Crisis Lifeline on signs, posters, and digital content.
- **Seasonal and event-based campaigns** (back to school, sports events, holidays) using social media, station announcements, and earned media.
- **Continue to Partner with Operation Lifesaver** and local jurisdictions to deliver on-going joint education and enforcement events at stations and grade crossings.



Education – Mental Health Outreach and Suicide Prevention

- **Provide recurring suicide awareness and deescalation training** for operators, frontline employees, conductors, and security, including how to safely engage and call for specialized help.
- **Install clear, visible 988 and crisis line signage** at stations, pedestrian crossings, and known hotspots, with multilingual messaging.
- **Partner with local organizations** including county mental health departments, Psychiatric Emergency Response Team (PERT) style teams, and community nonprofits



Enforcement

Site enforcement, training and outreach. It requires the commitment of safety and security personnel from Caltrain, and municipalities.

- Grade Crossing Enforcement blitzes – ticketing
- License Plate Recognition Technology Pilot
- Partnerships with Municipal Police Departments
 - Enforcement & secondary employment
- Assess Transit Police Coverage



Standards Update

- Update Internal Control Documents
- Enhanced ROW Access Procedures
- Updated Unusual Occurrence Reporting System



Roadmap

Caltrain CROWS Strategy

CY2026

CY2027

CY2028



•Hazard / Risk Assessments

- Complete Threat & Vulnerability Assessment
- Update Grade Crossing Hazard Assessment

•Grade Crossing Risk Mitigation

- Blitz at high-risk crossings
- Data-driven insights to inform safety decisions
- Develop CCTV project scope for high-risk crossings

•Education

- External safety communications
- Mental health outreach and suicide prevention
- Collaborate w/ city officials & law enforcement

•Engineering

- Baseline Safety Enhancement Program
 - Solar markers/delineators
 - Crossing/pavement striping
 - Traffic signal timing adjustments

•Hazard / Risk Assessments

- Review Threat & Vulnerability Assessment
- Implement Grade Crossing Hazard Assessment

•Grade Crossing Risk Mitigation

- License Plate Recognition Technology Pilot
- Data-driven insights to inform safety decisions
- Implement CCTV project scope for high-risk crossings

•Education

- External safety communications
- Mental health outreach and suicide prevention
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•Engineering

- Baseline Safety Enhancement Program
 - Solar markers/delineators
 - Crossing/pavement striping
 - Traffic signal timing adjustments
- Measure effectiveness of safety enhancements through year-over year trends

•Hazard / Risk Assessments

- Implement Threat & Vulnerability Assessment
- Measure Grade Crossing Hazard Assessment

•Grade Crossing Risk Mitigation

- Measure # of grade crossing incidents before and after enhancements
- Review of enhanced CCTV surveillance at high-risk crossings
- Review of license plate recognition technology pilot

•Education

- External safety communications
- Mental health outreach and suicide prevention
- Collaborate w/ city officials & law enforcement

•Engineering

- Measure effectiveness of safety enhancements through year-over year trends
- Identify high-performing safety enhancements for full-scale deployment



High-Level Timeline

- December – Received general direction and feedback from the board on recommendations
- Feb CAC – Presented to CAC
- **Feb TOPS** – Present strategy for TOPS recommendation to the Board
- **March BOD** – Final Adoption to Caltrain Board
- **Future Strategy Quarterly Updates** – (Detailed action plans, dedicated budget / funding plan in CIP and regular budget, monitoring / KPIs / reporting)

See Something, Say Something

Do your part to keep the rails safe! **Call Transit Police at 1.877.SAF.RAIL (1.877.723.7245) immediately** to report any unsafe situation or suspicious activity, such as children playing near the tracks or people hanging out along the right of way.

Save the number in your cell phone for quick and easy access.



Questions and Feedback

