

Receive Update on Caltrain Safety Performance

**JPB TOPS Committee
April 23, 2025**



Overview

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

Safety Culture

- Created **Safety – First and Always** as our primary core value
- Safety Moments at all Caltrain meetings and briefings
- Safety Leaders recognition
- Safety Survey
- Safety Champions
- Safety Roadshow
- Risk Based Decision Making/Assessments



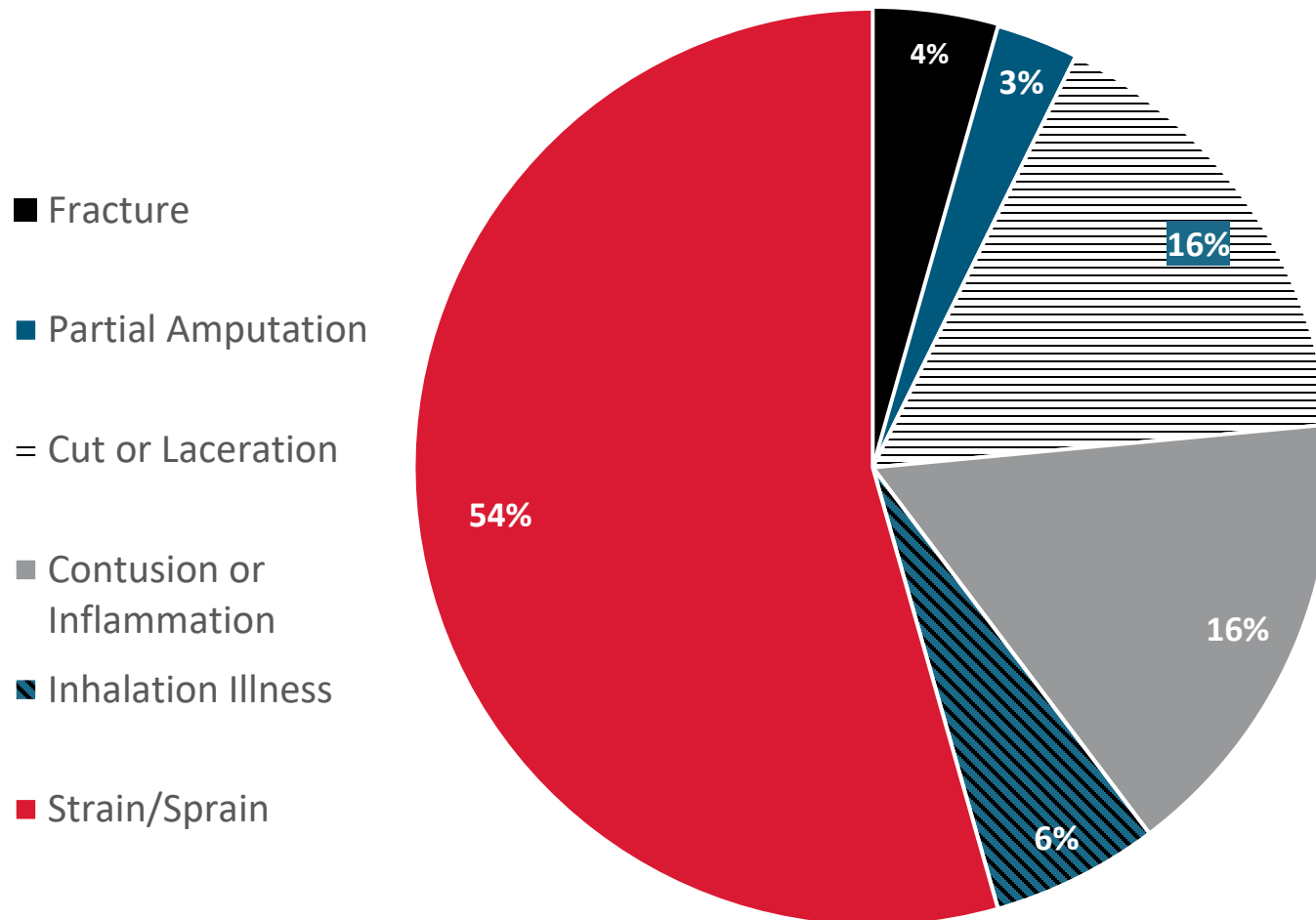
	Severity			
Frequency of Occurrence	1 Catastrophic	2 Critical	3 Marginal	4 Negligible
(A) Frequent	1A	2A	3A	4A
(B) Probable	1B	2B	3B	4B
(C) Occasional	1C	2C	3C	4C
(D) Remote	1D	2D	3D	4D
(E) Improbable	1E	2E	3E	4E

Injuries

Days Without a Reportable Injury as of 4/2/2025		
<u>Department</u>	<u>Days Without Injury</u>	<u>Date of Last Injury</u>
OPS	175	10/9/2024
MOE	196	9/18/2024
MOW	413	2/14/2024
OTHER	1,771	5/27/2020

Reportable Injuries

Types of Injuries CY2020 - CY2025



Employee Injuries, Reportable Injury Rate by Year

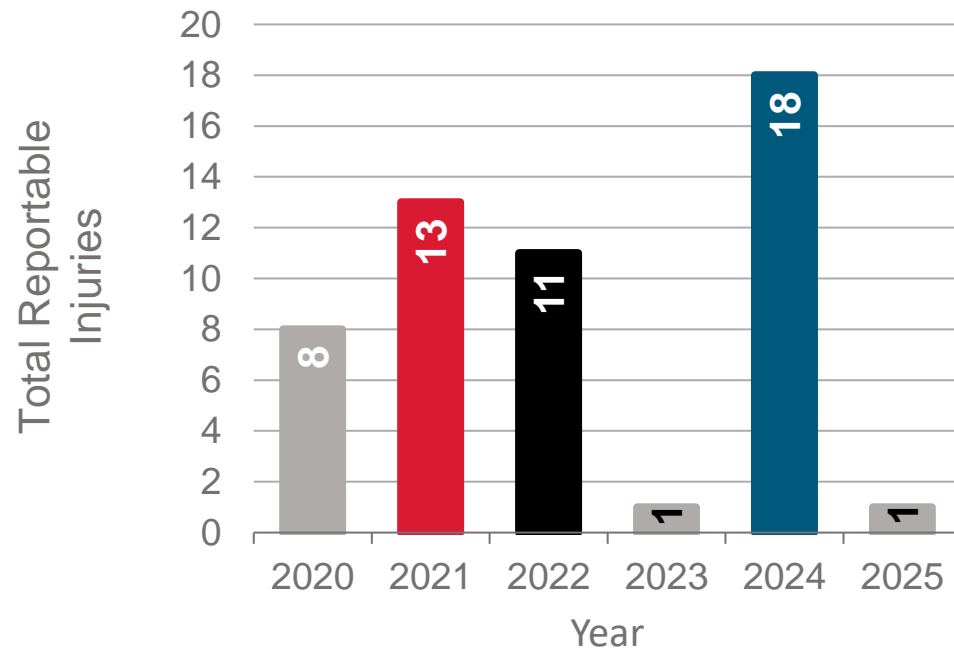


The national average RIR is 3.0 across all industries, per the U.S. Bureau of Labor Statistics.

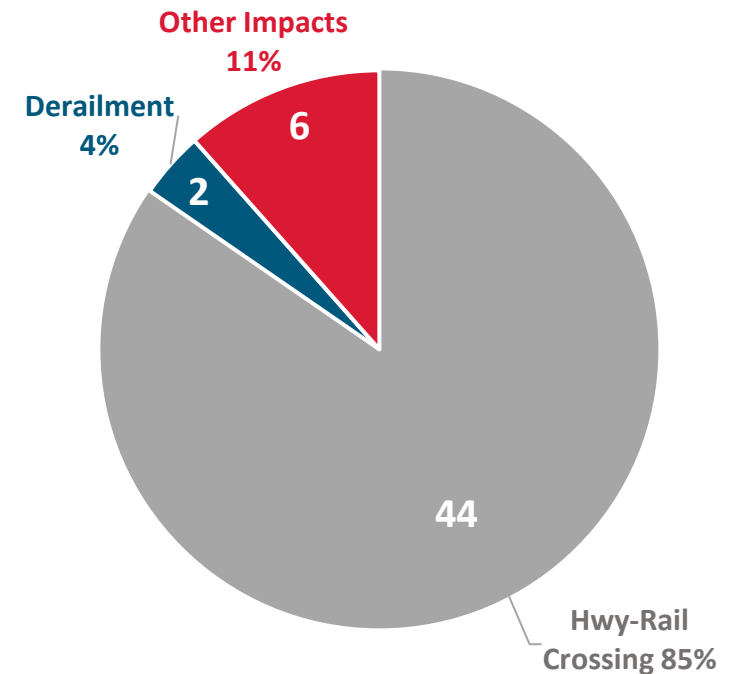


Reportable Accidents/Incidents - All

Reportable Rail Equipment Incidents
YoY CY2020 – CY2025

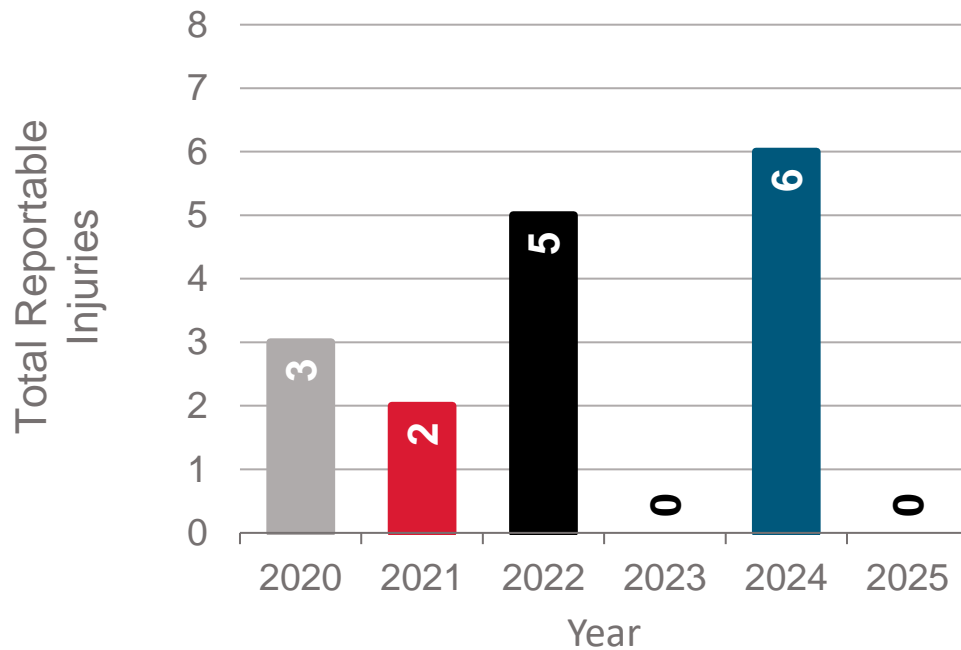


Reportable Rail Equipment Incidents
CY2020 - CY2025

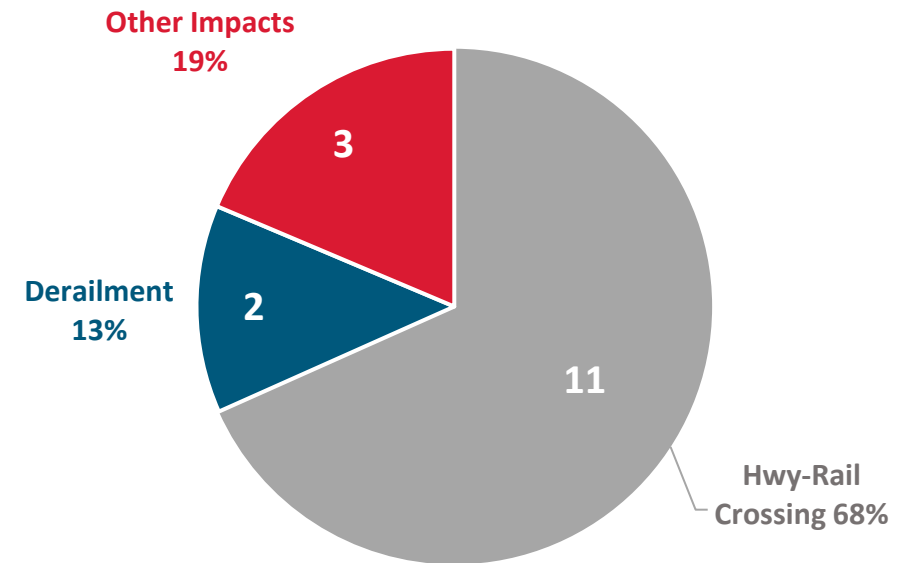


Reportable Accidents/Incidents

Reportable Rail Equipment Incidents
Exceeding Monetary Threshold
YoY CY2020 – CY2025

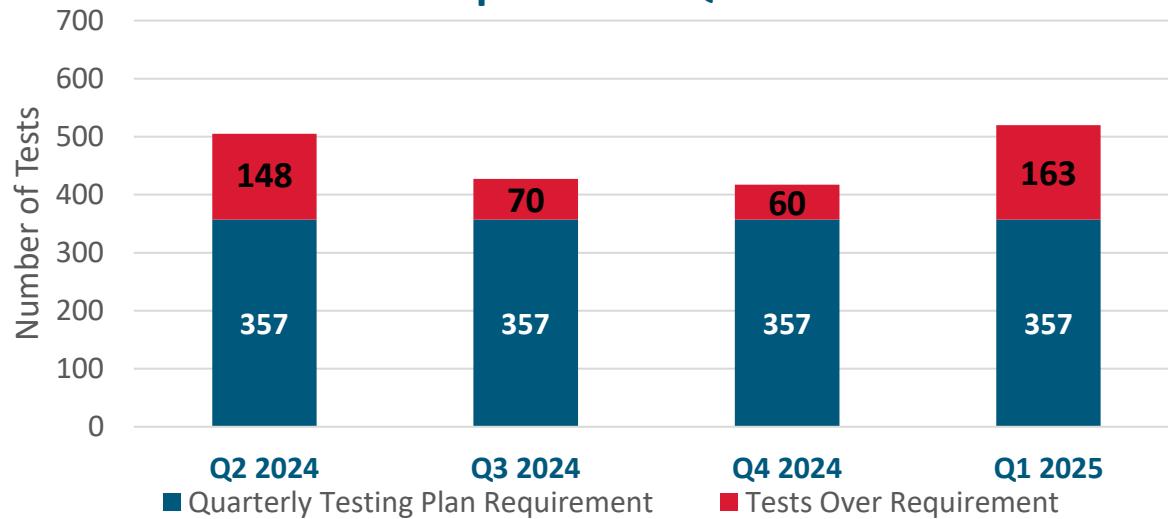


Reportable Rail Equipment Incidents
Exceeding Monetary Threshold
CY2020 - CY2025



Efficiency Testing

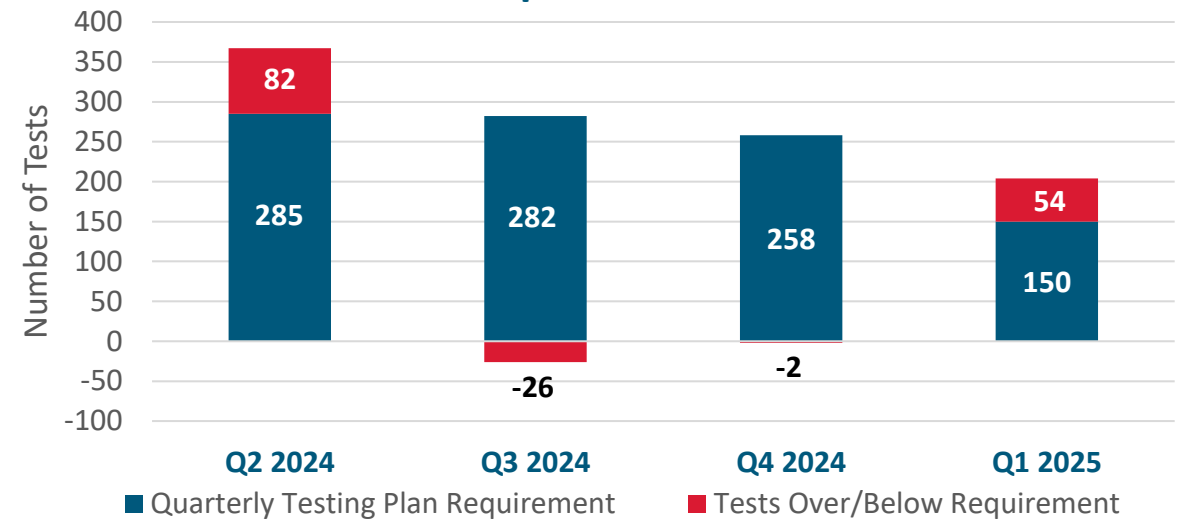
Operations Core Program Tests Completed vs. Quota



Operations Testing Requirements:

- Flags
- Trains/Engines/Cars Left Unattended
- Speed Requirements
- Delayed in the Block
- Communication of Signals
- Block Signal Drop
- Running Brake Test
- Conduct Proper Job Briefing

MOE Core Program Tests Completed vs. Quota



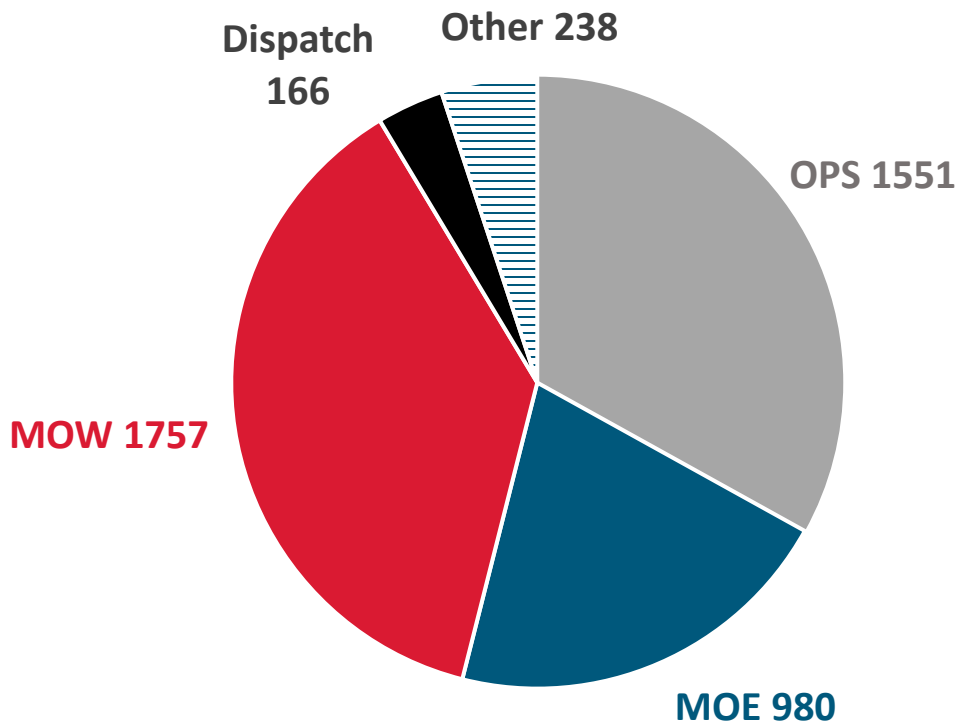
MOE Testing Requirements:

- Separation During Travel and Work
- Multiple Work Groups Using Same Authority
- Protection of Track, Car, Men, or Machines
- Blue Signal MOE
- Crossing Warning Devices



Employee Engagements

Employee Engagement
Across Safety Events
2025



Safety Week, Summer Spike, and Winter Freeze 2024

The 5-day Safety Week event consisted of one engagement topic each day:

- Driving Personal Ownership
- Encourage and Welcome New Ideas
- Embracing Every Voice
- Strengthen Our Culture
- Thank You for Using Your Voice

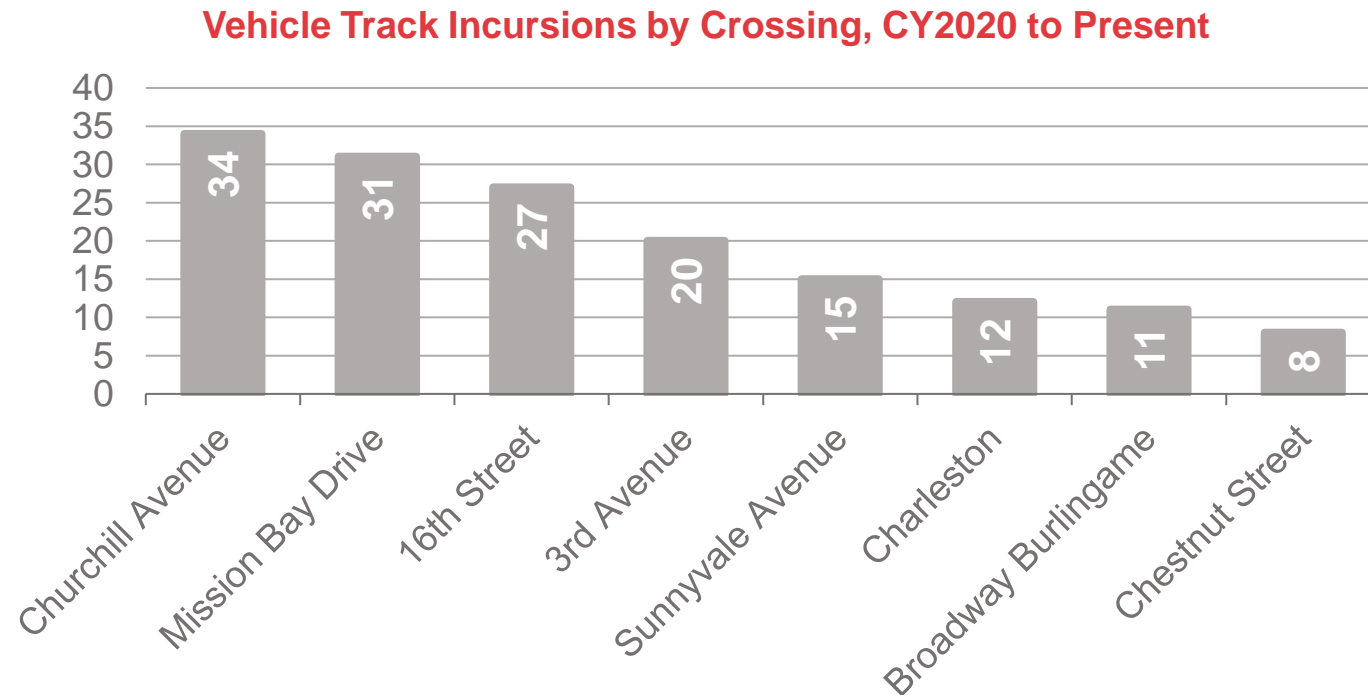
The theme of Safety Summer Spike 2024 – Monthly events was **Value Every Voice**. TASI management engaged with 1,434 employees during Safety Week 2024. In 2023, there were a total of 1,472 engagements.

Collectively TASI management has engaged with 2,132 employees during the 4-month Summer Spike event, consisting of one monthly briefing.

Collectively TASI management has engaged with 1,127 employees during the 2-month Winter Freeze event, consisting of one monthly briefing.

Vehicle Track Incursions

- Over 70% of the 230+ vehicle track incursions since 2020 have occurred at 8 grade crossings.
- The decrease in some values vs Q1 2025 is due to a measurement change: Q2 shows confirmed vehicles on the tracks instead of *all* vehicles stalled on the tracks, as measured by RailSentry.
- The following slides highlight Caltrain's efforts to enhance safety at crossings.



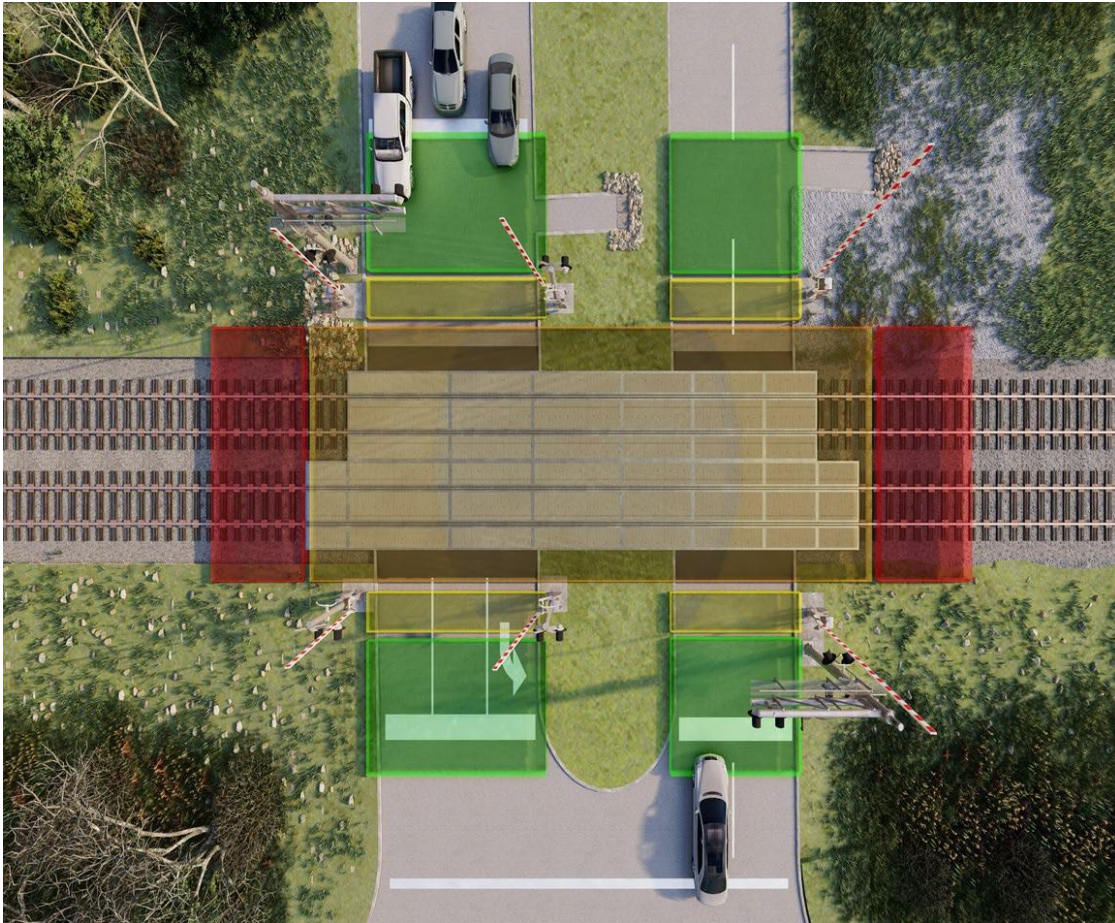
Grade Crossing Enhancements

Corridor Wide Strategy

- Pavement Markings
- Solar Lane Markers
- Delineators
- Signage
- Lighting
- Technology
- Trespasser Panels
- GO-88 Process

Grade Crossing Enhancements

Technology - Intrusion



- Pilot Testing at high-risk crossings
- LIDAR
- CCTV
- Analysis and Alert (AI)
- DATA – behavior, traffic control, etc.
- Broadway / Churchill

Grade Crossing Enhancements

Technology and Enforcement

- CCTV/Video Analytics
- Intrusion/AI
- GPS Application Enhancement Discussions Continue
- Detection/Deterrent
- Transit Police Enforcement

Fencing and Barriers

- Full alignment risk assessment in progress
- PCEP and general fencing repairs continuing (risk based)
- Multiple fence funding sources/projects
- Fence replacement project – Palo Alto

Suicide Prevention/Trespassers

- Partner with Regional Suicide / Mental Health Groups
- Partnering with Industry Peers for Best Practices
- Commuter Rail Coalition / APTA / FRA
- 988 Signage across the corridor
- Data / Risk Assessments to focus efforts – Reporting and Near Misses
- Suicide Prevention Plan underway

Trees

- Tree Management Policy Approved by the Board
- Right of Way Tree Assessments - ongoing
- Meetings with Municipalities - Completed
- Burlingame tree mitigation continuing

Community Partnering and Outreach

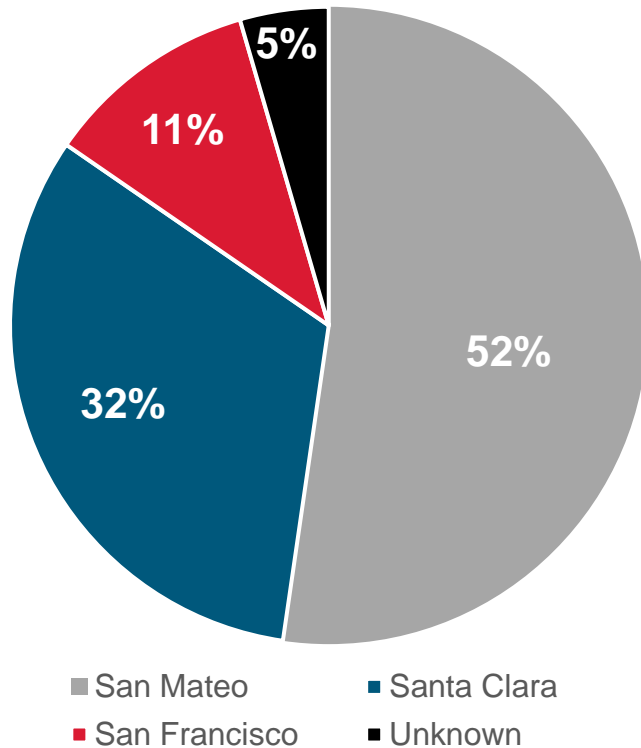
- City of Palo Alto - Churchill Ave GC and Fencing
- City of Burlingame - Broadway GC and Trees
- City of Redwood City - Sequoia Station Fare Zone
- City of Mountain View – GC and technology
- Operation Lifesaver
- GPS App Companies
- Residential/ Grade Crossing/ School Outreach continues
- First Responder Education and Trainings

Electrification Safety

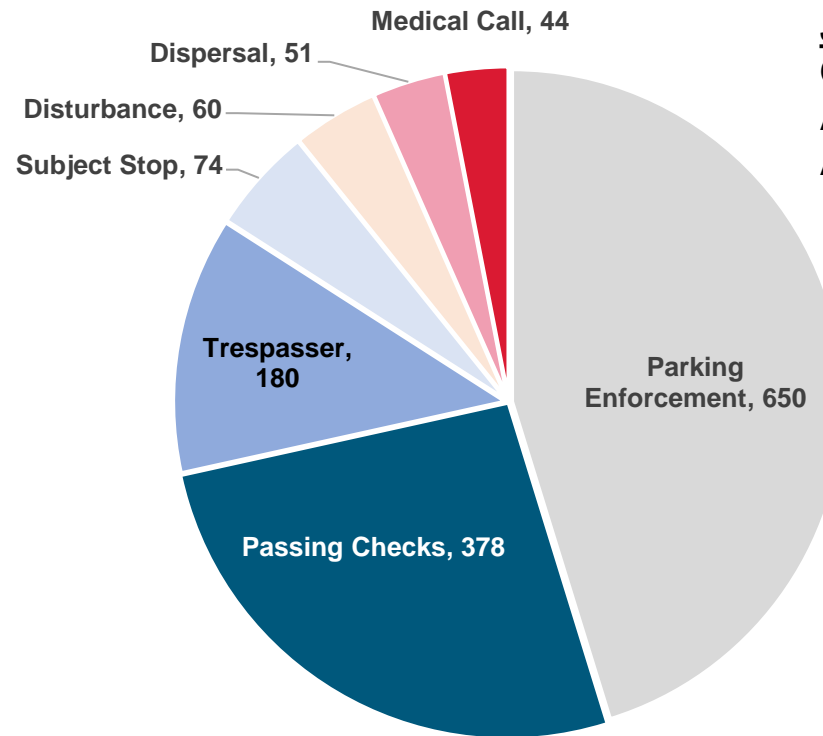
- Residential/Grade Crossing/Schools Outreach
- More Trains
- Quieter, Quicker Trains
- Pedestrian Crossings
- OCS – High Voltage
- No trespassing

Transit Police Calls for Safety

**Calls for Service by County
January-March 2025**



**Number of Calls by Category
January-March 2025¹**



January-March 2025 Service Call Data

Overall Average Response Time: **22:35**

Average Response Time for **Priority 1***: **6:49**

Average Response Time for **Priority 2****: **19:10**

*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 1,881 in January-March across 19 categories. The pie chart shows the top 7 categories representing 1,437 calls or 76% of the total.

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/Comments?

FOR MORE INFORMATION

WWW.CALTRAIN.COM

