

Caltrain Safety Performance and Tree Policy Update

October 30, 2024

TOPS COMMITTEE



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 Concern Reporting well utilized
- AED/CPR and Active Attacker training
- Focus on – Safety Communication/Messaging
- Risk Based Decision Making/Assessments



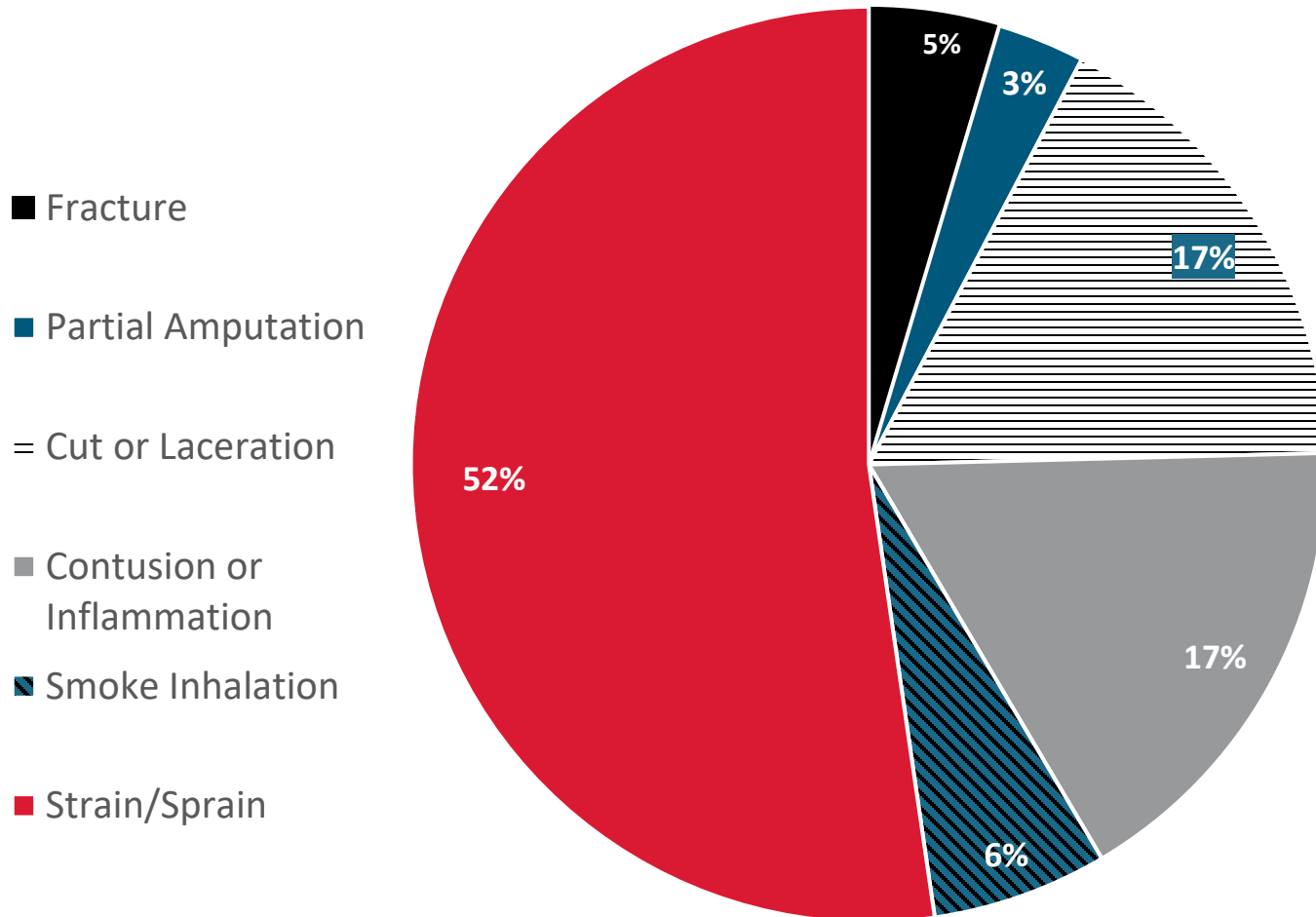
	Severity			
Frequency of Occurrence	1 Catastrophic	2 Critical	3 Marginal	4 Negligible
(A) Frequent	1A	2A	3A	4A
(B) Probable	1B	2B	3B	4B
(C) Occasional	1C	2C	3C	4C
(D) Remote	1D	2D	3D	4D
(E) Improbable	1E	2E	3E	4E

Injuries

Days Without a Reportable Injury as of 10/17/2024		
<u>Department</u>	<u>Days Without Injury</u>	<u>Date of Last Injury</u>
OPS	7	10/9/2024
MOE	7	10/9/2024
MOW	245	2/14/2024
OTHER	1603	5/27/2020

Reportable Injuries

Types of Injuries CY2020 - CY2024



Employee Injuries, Reportable Injury Rate by Year

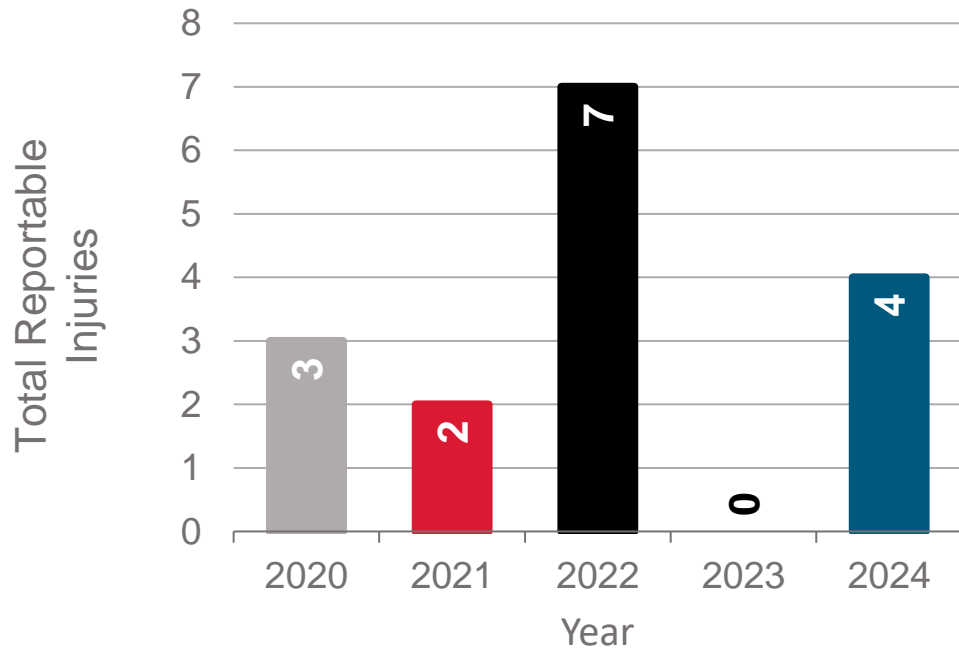


The national average RIR is 3.0 across all industries, per the U.S. Bureau of Labor Statistics.

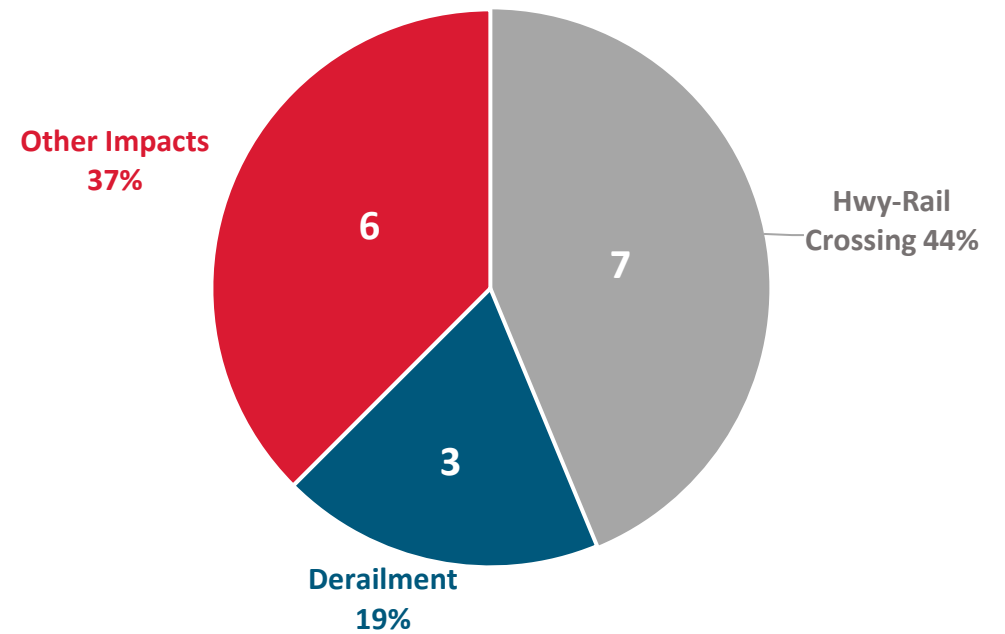


Accidents/Incidents

Reportable Rail Equipment Incidents YoY CY2020 – CY2024

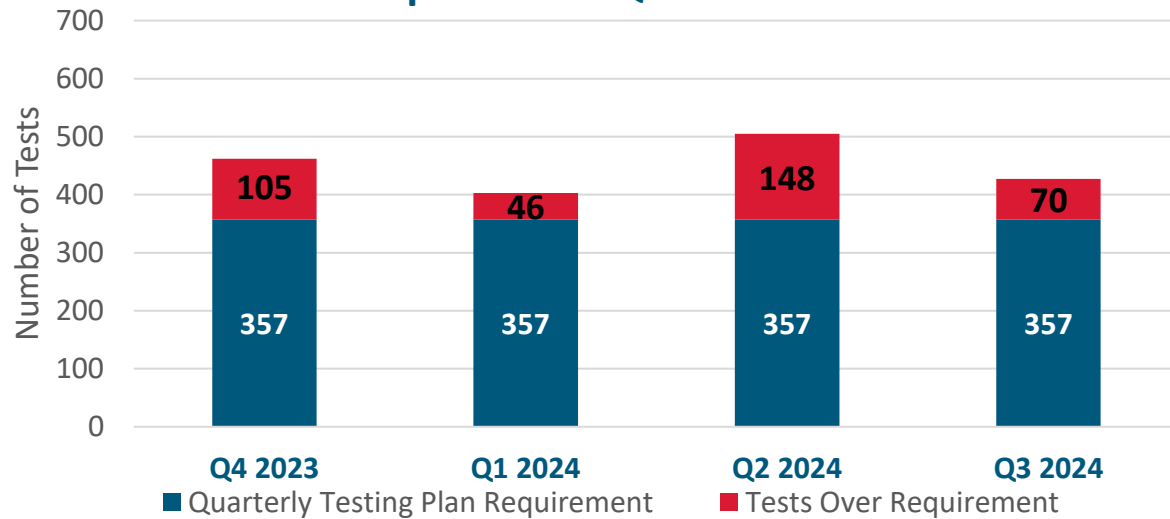


Reportable Rail Equipment Incidents CY2020 - CY2024



Efficiency Testing

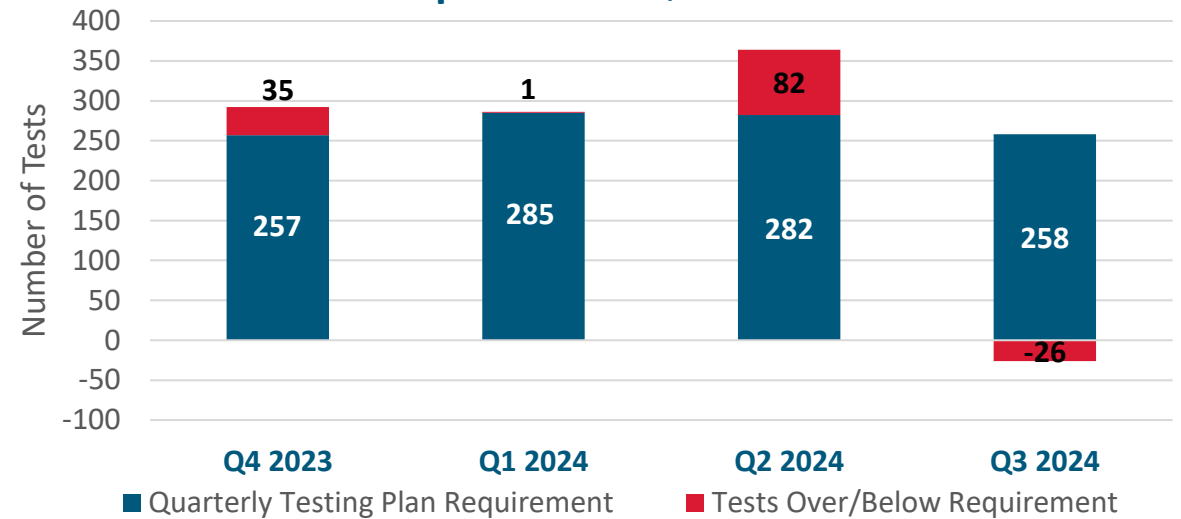
Operations Core Program Tests Completed vs. Quota



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



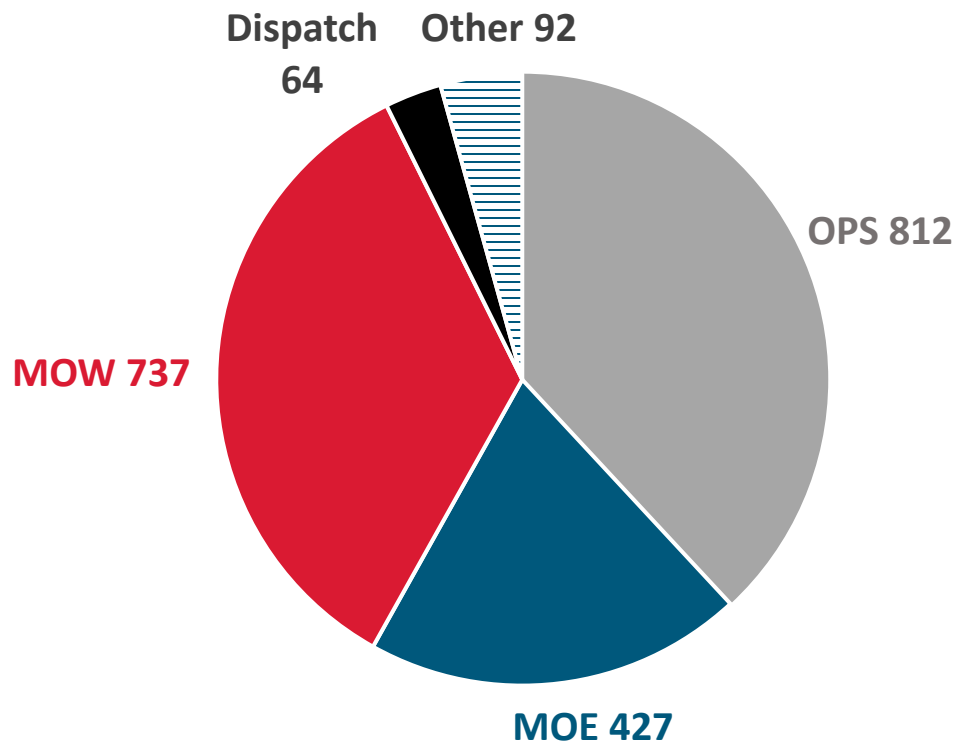
MOE Testing Requirements:

- 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 2024



Safety Week & Summer Spike 2024

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

- Monday: Driving Personal Ownership
- Tuesday: Encourage and Welcome New Ideas
- Wednesday: Embracing Every Voice
- Thursday: Strengthen Our Culture
- Friday: Thank You for Using Your Voice

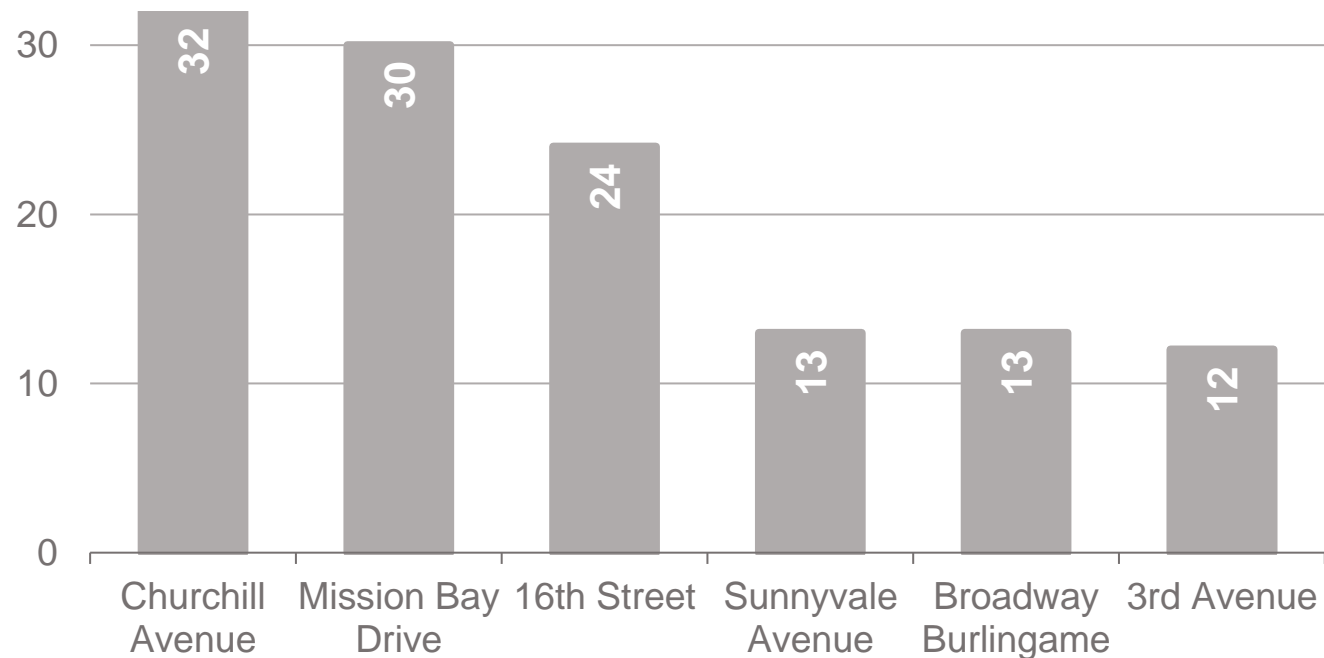
The theme of Safety Summer Spike 2024 – Monthly events was **Value Every Voice**. TASI management engaged with 1,433 employees during Safety Week 2024. In 2023, there were a total of 1,472 engagements.

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

Vehicle Track Incursions

- Over half of the 200+ vehicle track incursions since 2020 have occurred at 5 grade crossings
- The following slides highlight Caltrain's efforts to enhance safety at crossings

Vehicle Track Incursions by Crossing, CY2020 to Present



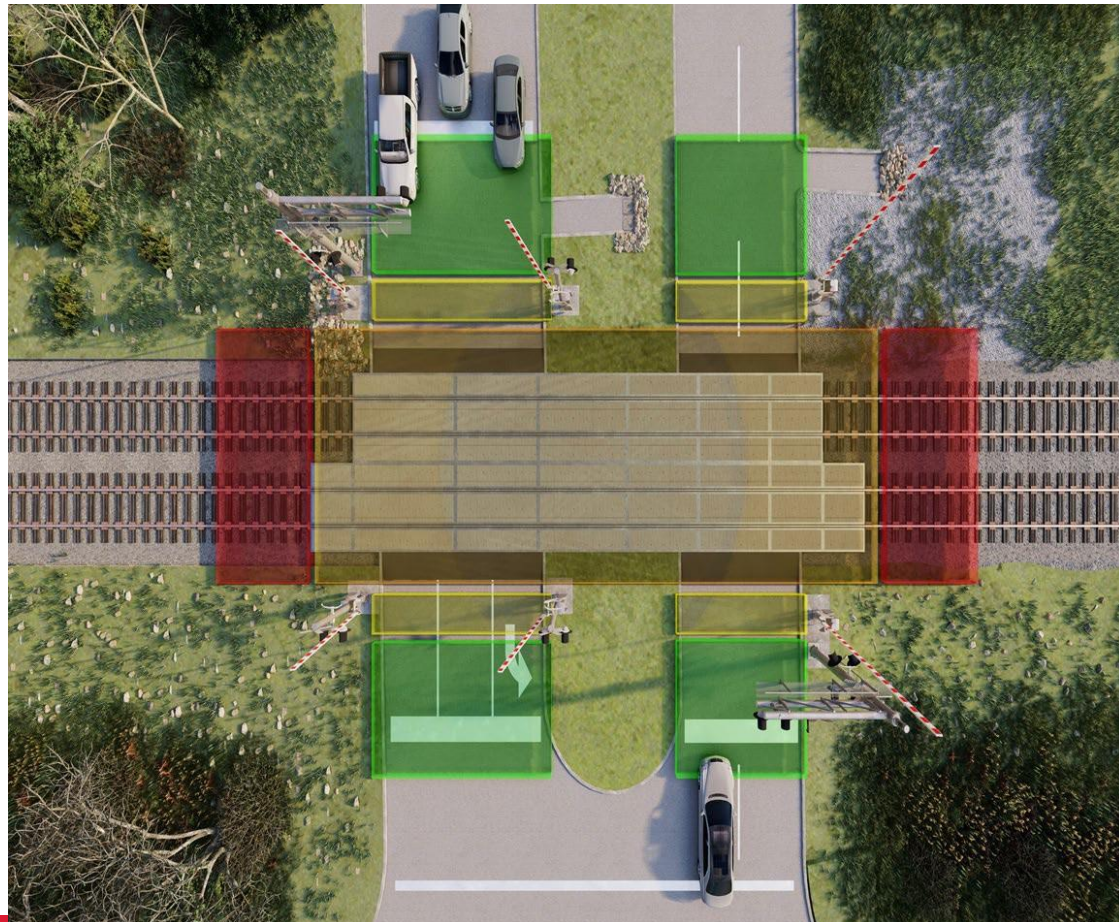
Grade Crossing Enhancements

Corridor Wide Strategy

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

Grade Crossing Enhancements

Technology - Intrusion



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

Grade Crossing Enhancements

Pursuing Technology

- CCTV
- Video Analytics – proximity, intrusion, etc.
- Analysis and Alert
- Intrusion
- GPS Application Enhancement Discussions
- RFI
- See Something, Say Something

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 – Near Misses

Trees

- Tree Management Policy Approved by the Board
- Right of Way Tree Assessments
- Meetings continue with Cities
- Burlingame tree mitigation complete this month

Community Partnering and Outreach

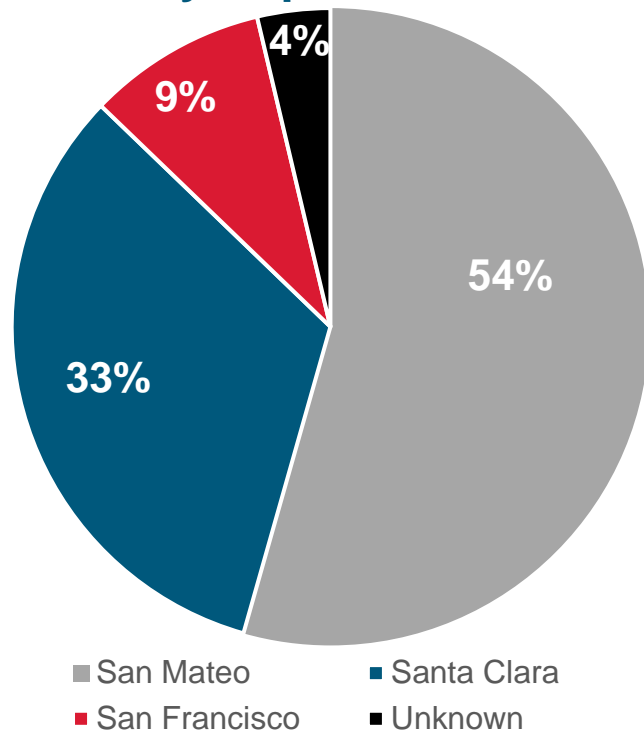
- City of Palo Alto
- City of Burlingame
- City of Redwood City
- Regional Trespasser/Suicide Prevention Partnership
- Operation Lifesaver
- GPS App Companies
- Residential/ Grade Crossing/ School Outreach continues
- Electric Train Environment Communication

Electrification Safety

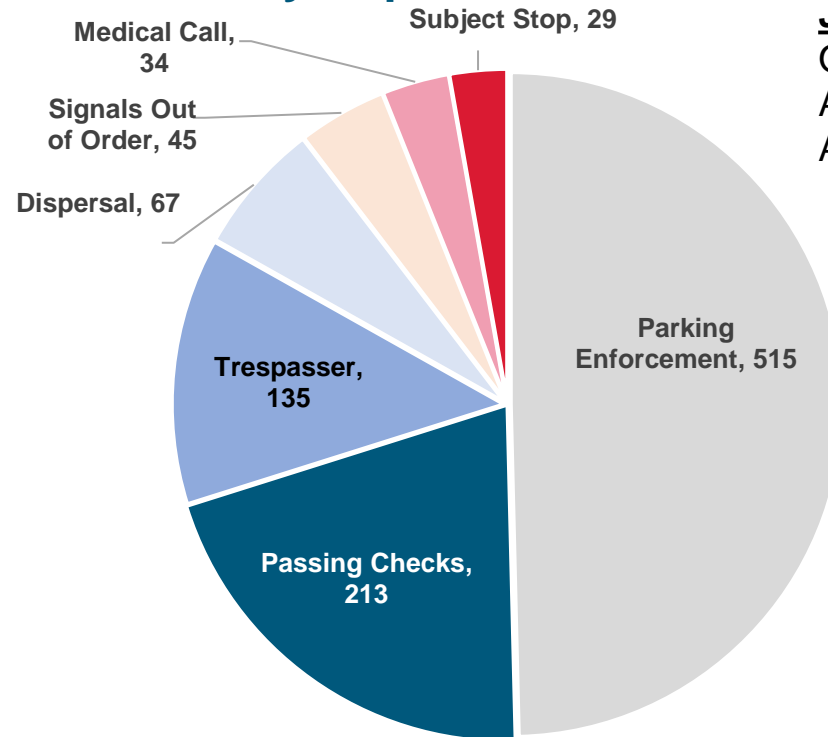
- Full Electrification Grand Opening
- More Trains
- Quieter, Quicker Trains
- Pedestrian Crossings
- OCS – High Voltage
- Train Horns

Transit Police Calls for Service

**Calls for Service by County
July-September 2024**



**Number of Calls by Category
July-September 2024¹**



July-September 2024 Service Call Data

Overall Average Response Time: **23:20**
 Average Response Time for **Priority 1***: **12:55**
 Average Response Time for **Priority 2****: **21:11**

*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 1,540 in July-September across 23 categories. The pie chart shows the top 7 categories representing 1,038 calls or 67% 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.

Caltrain
Safe



Questions/Comments?

FOR MORE INFORMATION

WWW.CALTRAIN.COM

