

CAC SAFETY UPDATE

JANUARY 17, 2024



Overview

- Safety – First and Always is Caltrain's #1 Core Value
- Safety Culture Enhancements
- The Strength of our Safety Culture and Safety Program must be measurable, and data driven
- Focus on Risk Based decision making and prioritization
- Process and Technology improvements

Safety Culture

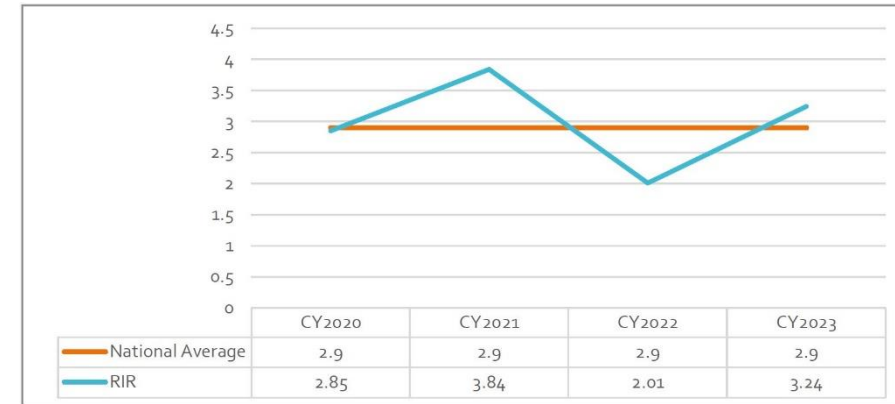
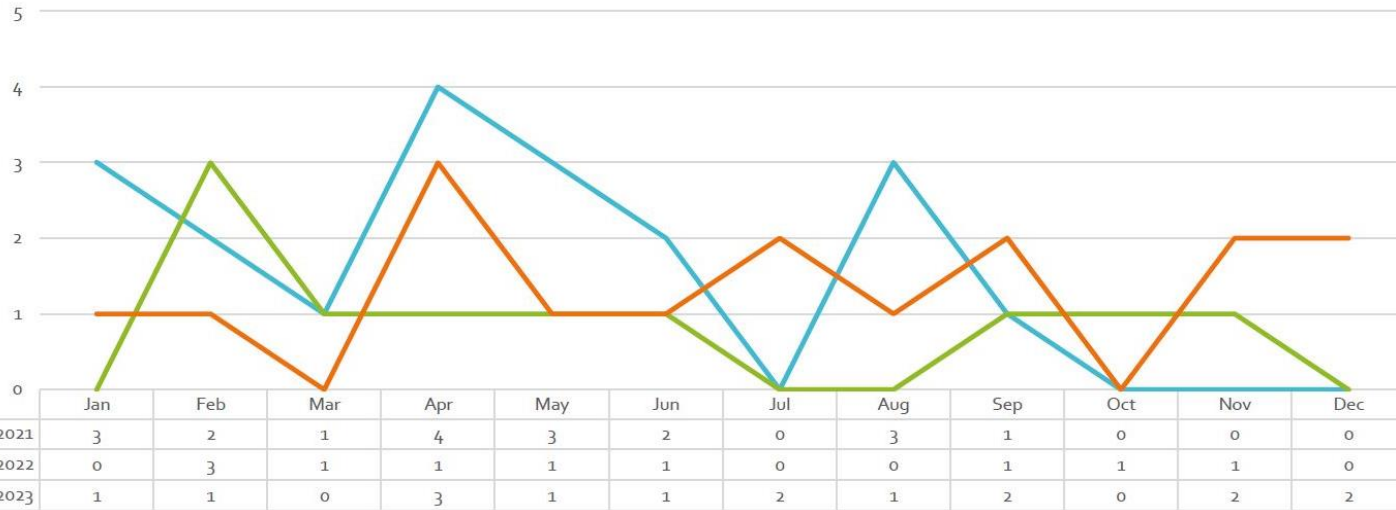
- Created **Safety – First and Always** as our primary core value
Email Signature
- Safety Moments at all Caltrain meetings and briefings
- Safety Champions created
Focus - Training – Reporting – Communication – Recognition
- Safety Concern Reporting tools, risk register created
- Organizational Risk-Based decision framework



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

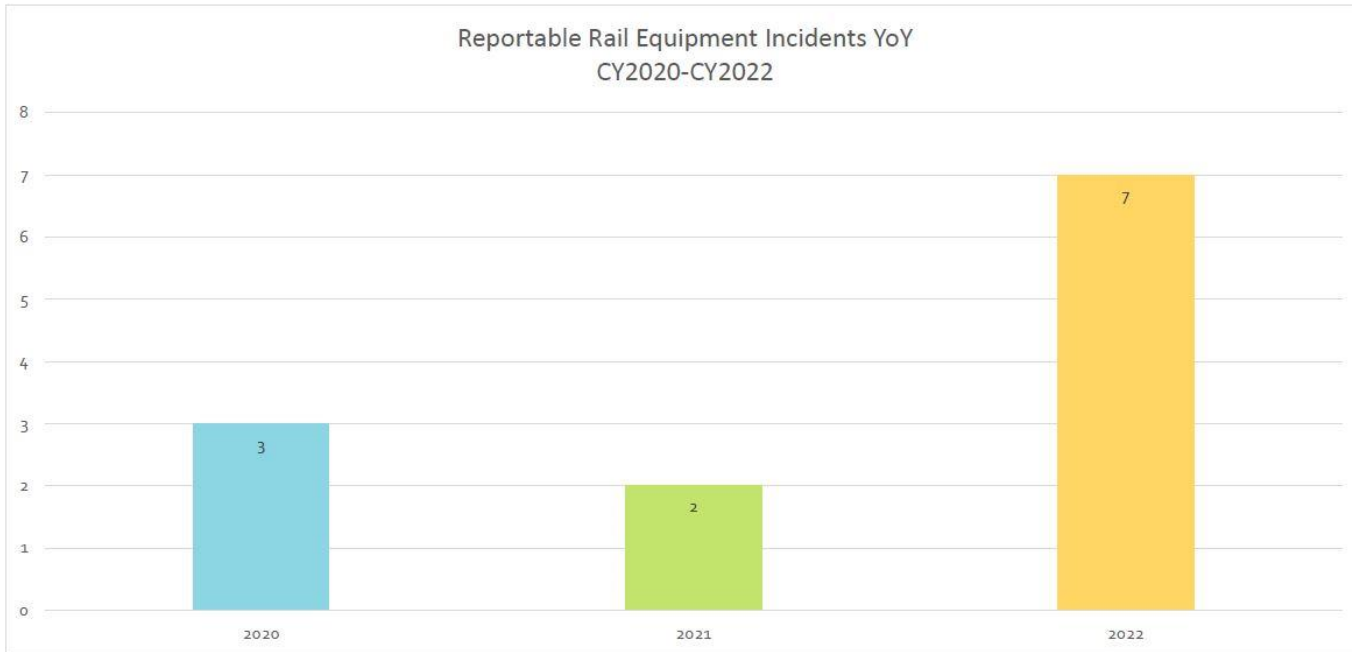
Injuries

TASI Reportable Injuries YoY/MoM
CY2021 - CY2023

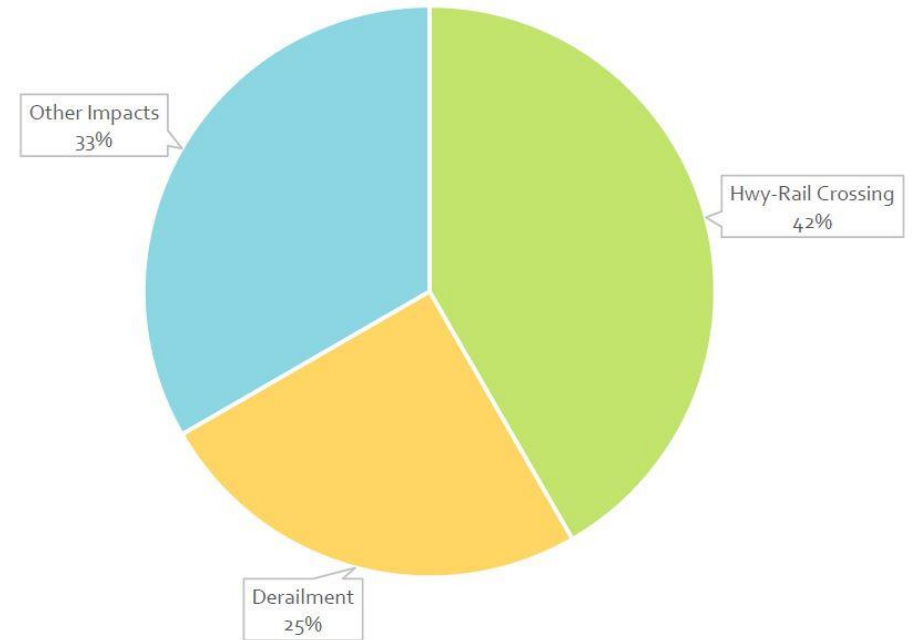


Accidents/Incidents

Reportable Rail Equipment Incidents YoY
CY2020-CY2022



Reportable Rail Equipment Incidents
CY2020-CY2023



Caltrain Trespasser Strikes 2020-2023

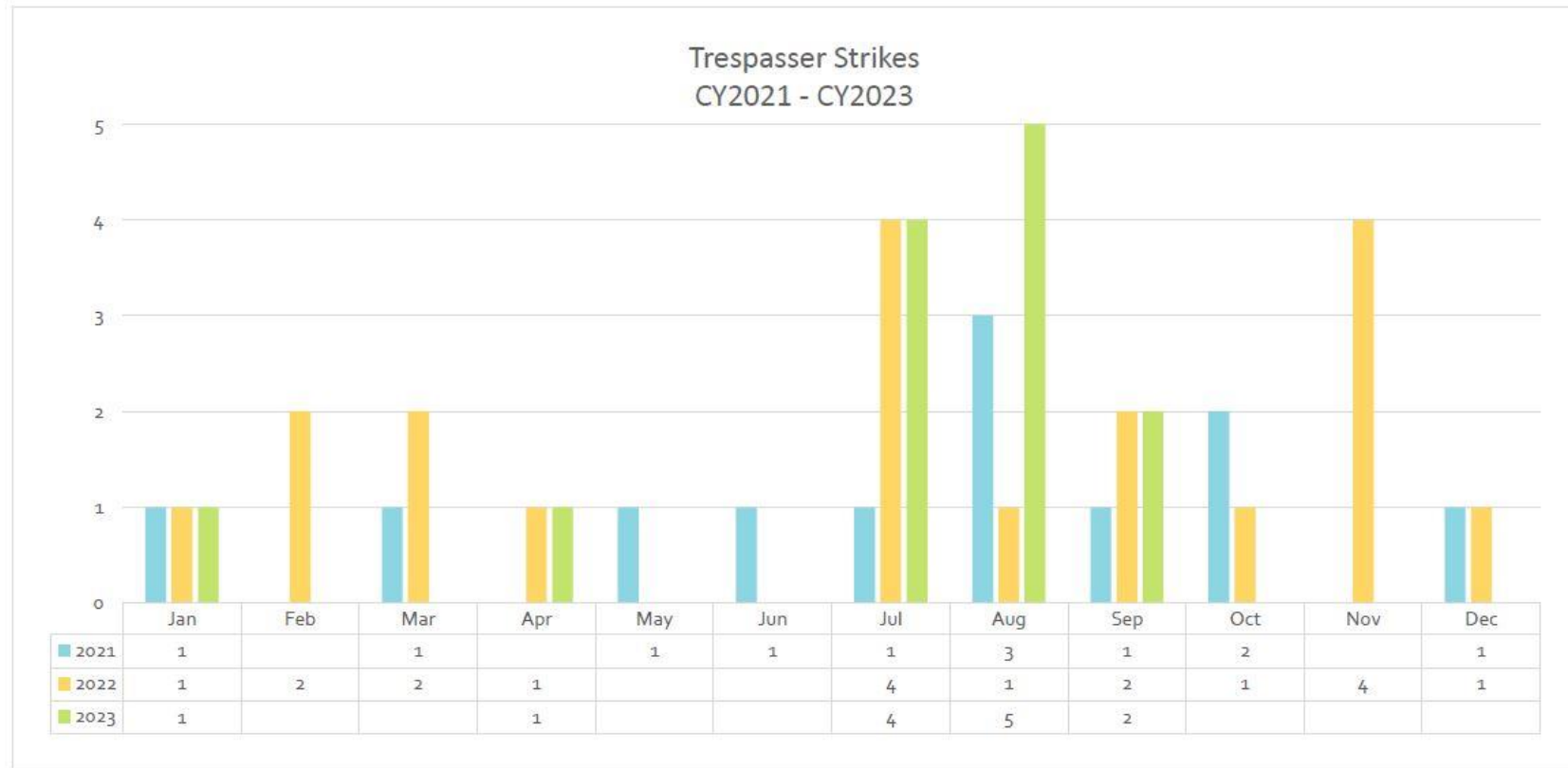
Year	Trespasser Strikes	Fatalities	Suicide*	Unintended*	Pending
2023	19	15			19
2022	16	14	8	3	3
2021	13	11	10		1
2020	11	10	9	1	

Note: Three additional Vehicle strikes 2022-2023 at Broadway Crossing

* Coroner and Law Enforcement determine cause



Accidents/Incidents

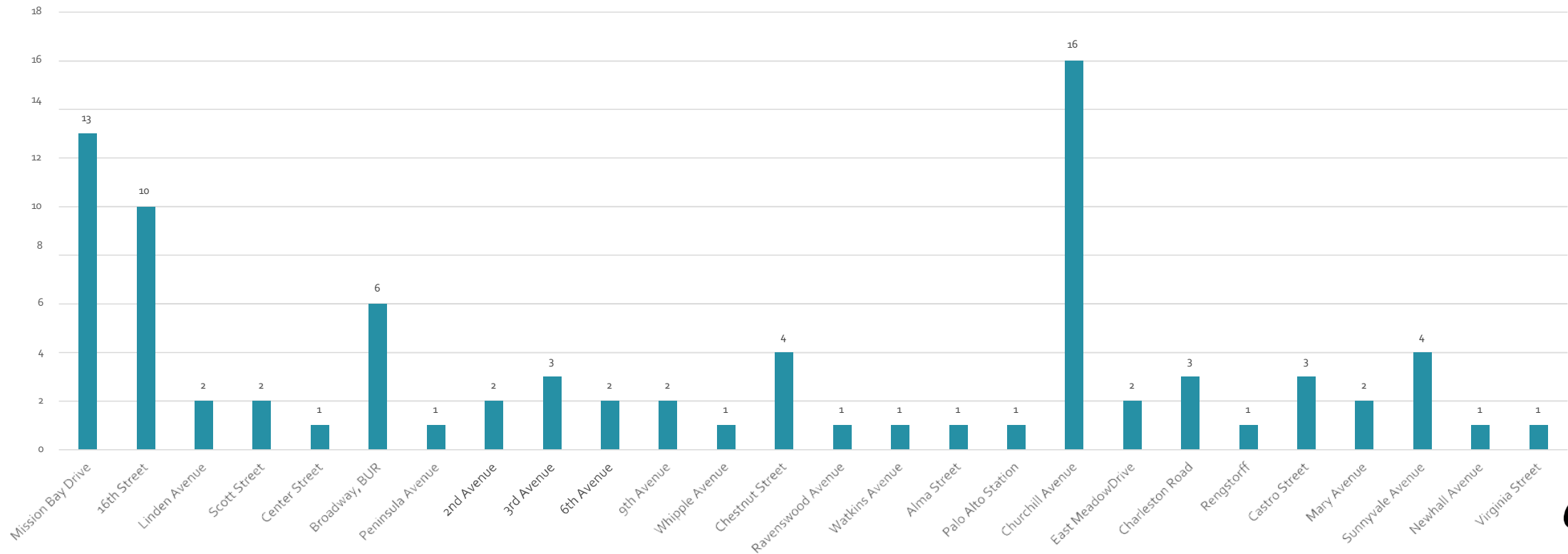


Caltrain Trespasser Strike Analysis

- No clear trend as to time of day or year
- Focus - Tunnel Areas in SF
- Focus - At or near stations
- Most are intentional
- Focus - Reporting Near Miss/Trespassers

Caltrain Vehicle Incursions

Vehicle Track Incursions by Crossing
CY2022 - CY2023

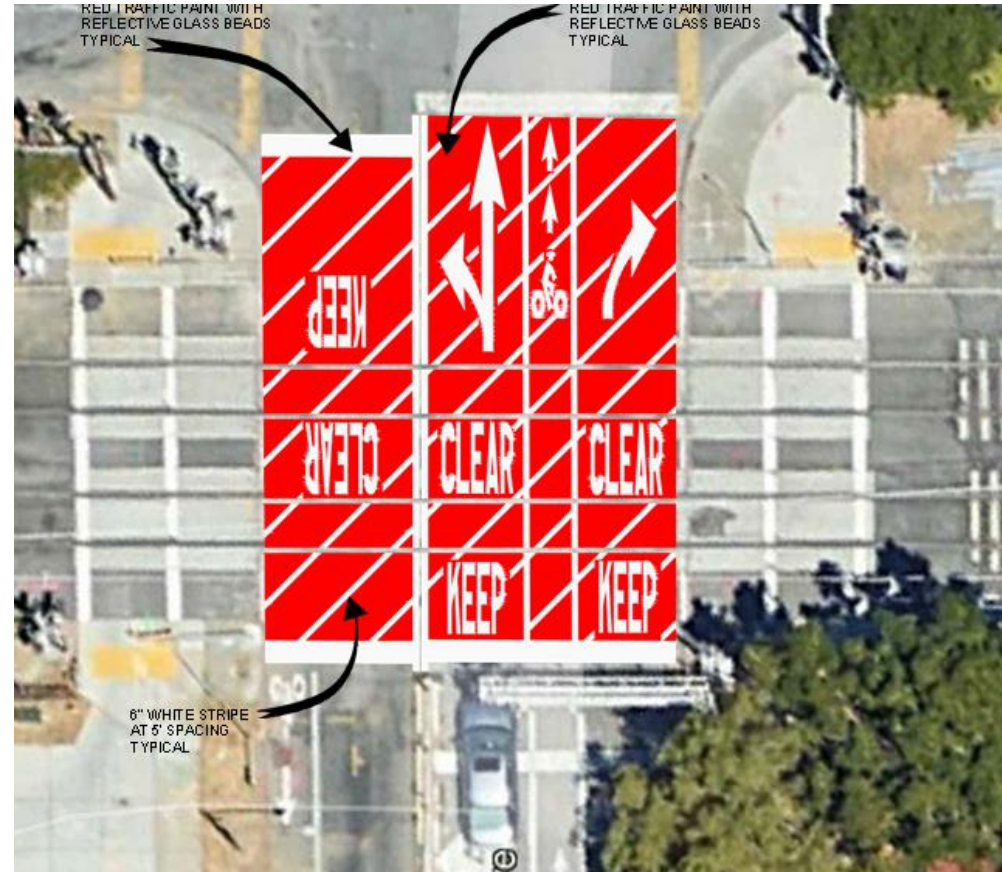


Grade Crossing Enhancements

- Pavement Markings
- Solar Lane Markers
- Delineators
- Signage
- Lighting
- Technology – CCTV, Intrusion, Alert Integration
- Scheduled improvements and separations

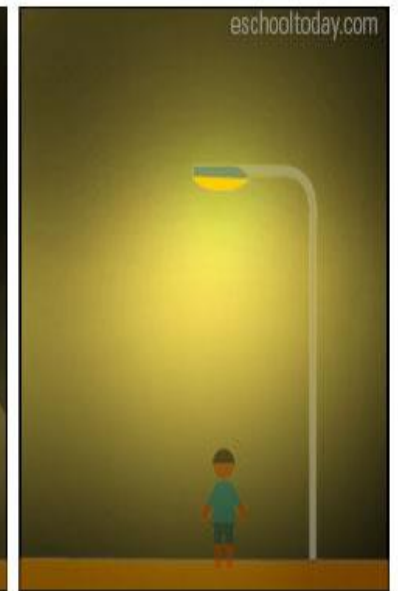
Grade Crossing Enhancements

Pavement Markings



Grade Crossing Enhancements

Markers, delineators, signage and lighting



Grade Crossing Enhancements

Pursuing Technology

- CCTV
- Video Analytics – proximity, LPR, etc.
- Analysis and Alert
- Intrusion
- See something, say Something

Grade Crossing Enhancements

Technology - Intrusion

- Pilot Testing at high-risk crossings
- LIDAR
- CCTV
- Analysis and Alert
- Forensic
- Future Integration potential

Fencing and Barriers

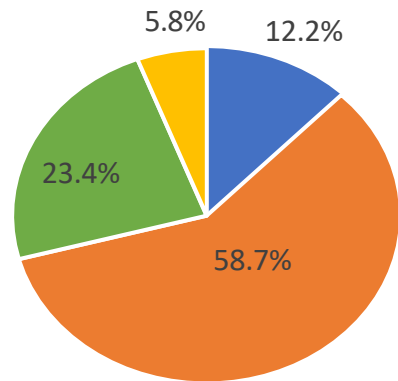
- Full alignment risk assessment beginning
 - Right of Way
 - Points of Entry
 - Tunnels
 - Stations, etc.
- PCEP and general fencing repairs continuing
- Multiple fence funding sources/projects

Partnering and Outreach

- City of Palo Alto
- City of Burlingame
- Transit Police
- Regional Trespasser/Suicide Awareness
- Operation Lifesaver
- GPS App Companies
- CPUC/FRA/FHWA Meetings
- APTA – Commuter Rail Safety Committees

Transit Police Calls for Service

Calls for Service by County - December 2023



■ San Francisco ■ San Mateo ■ Santa Clara ■ Unknown

Trespasser 40

Welfare Check 12

Medical Call 22

Dispersal 28

Disturbance 13

Signals 18

Safety Card



CALTRAIN IS NOW ELECTRIC!

The new electric train system can be ***dangerous and even life-threatening***

See something unsafe?

Call 1.877.SAF.RAIL
(1.877.723.7245)

For any emergency on Caltrain, to report suspicious activity, or if you see a damaged electrical wire.

24/7 Suicide and Crisis Lifeline:

Call or Text 988

Social Services Hotline:

Call 211

caltrain.com/safety



STAY SAFE BY KNOWING THESE SIMPLE SAFETY TIPS:

CALTRAIN IS ENERGIZED:

The Caltrain system is now electric. Wires and ground cables carry 25,000 volts of electricity and can be dangerous. **Never approach or touch overhead wires or equipment with things like ladders, antennas, and most importantly, yourself!**

ALWAYS EXPECT A TRAIN:

New electric trains are quieter and faster than you think. They can run on any track, at any time, from either direction. Stay safe and stay off the tracks.

CROSS ONLY AT DESIGNATED CROSSINGS:

The only safe place to cross tracks is at designated public crossings with a crossbuck, flashing red lights or a gate. Crossing anywhere else is illegal.



See Something, Say Something

Do your part to keep the rails safe! **Call Transit Police at 1.877.SAF.RAIL (1.877.723.725) 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

