

CALTRAIN SAFETY PERFORMANCE DASHBOARD

APRIL 26, 2023

TOPS COMMITTEE



Overview

- Safety – First and Always is Caltrain's #1 Core Value
- The Strength of our Safety Culture and Safety Program Performance must be measurable and data driven
- Federal Railroad Administration requires tracking and reporting of specific Accidents/Incidents and Injuries
- Key Performance Indicators (KPI's), both lagging and leading, are included in the Safety Performance dashboards
- Working on data interoperability and data granularity to better exploit information
- The Safety Performance dashboards will be reviewed by all safety committees and the Caltrain Executive Safety Committee

Definitions

➤ **Accident/Incident -**

- Collision, derailments and other events involving the operation of on track equipment and causing reportable damage above \$11,500; impacts between on track equipment and highway users at grade crossings; and all incidents that cause a fatality or injury to any person or occupational illness to a railroad Employee

➤ **Reportable Injury**

- Results in death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, or loss of consciousness.

Definitions

- **Key Performance Indicators (KPI's)**

- a quantifiable measure used to evaluate the success of an organization in meeting performance objectives

- **Lagging Indicator**

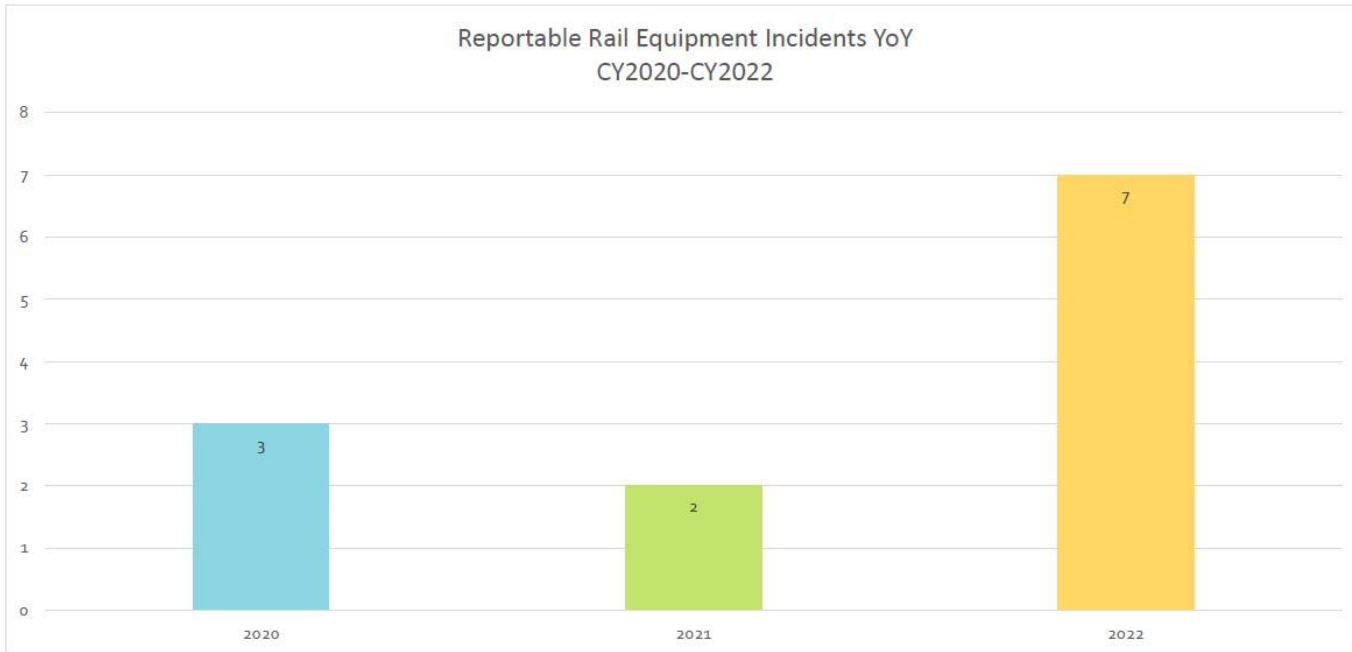
- measure the occurrence and frequency of events that occurred in the past; such as injuries, fatalities, etc.

- **Leading Indicator**

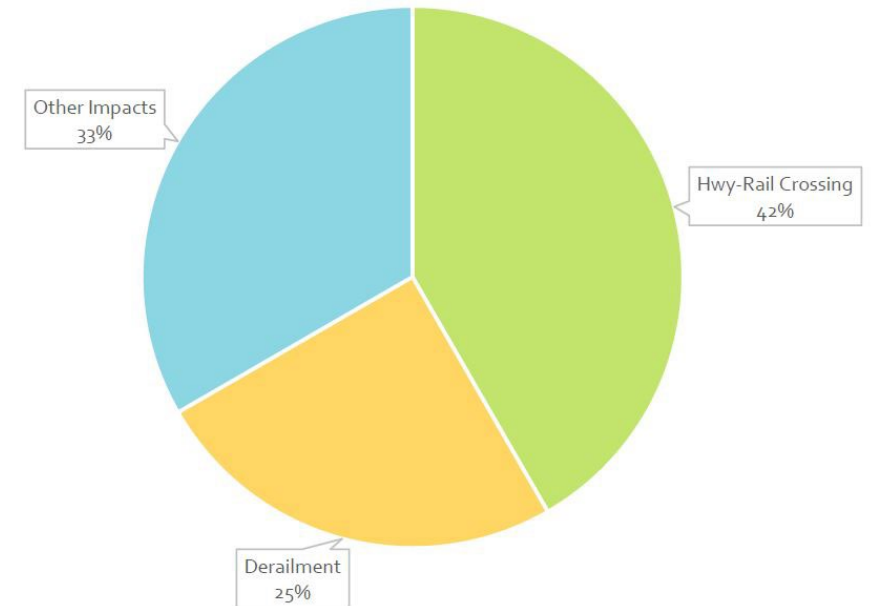
- proactive measures that can shed light about the effectiveness of safety activities and identify potential problems before they become events i.e. employee engagements, inspections, testing failures, near miss causes, etc.

Accidents/Incidents

Reportable Rail Equipment Incidents YoY
CY2020-CY2022



Reportable Rail Equipment Incidents
CY2020-CY2023



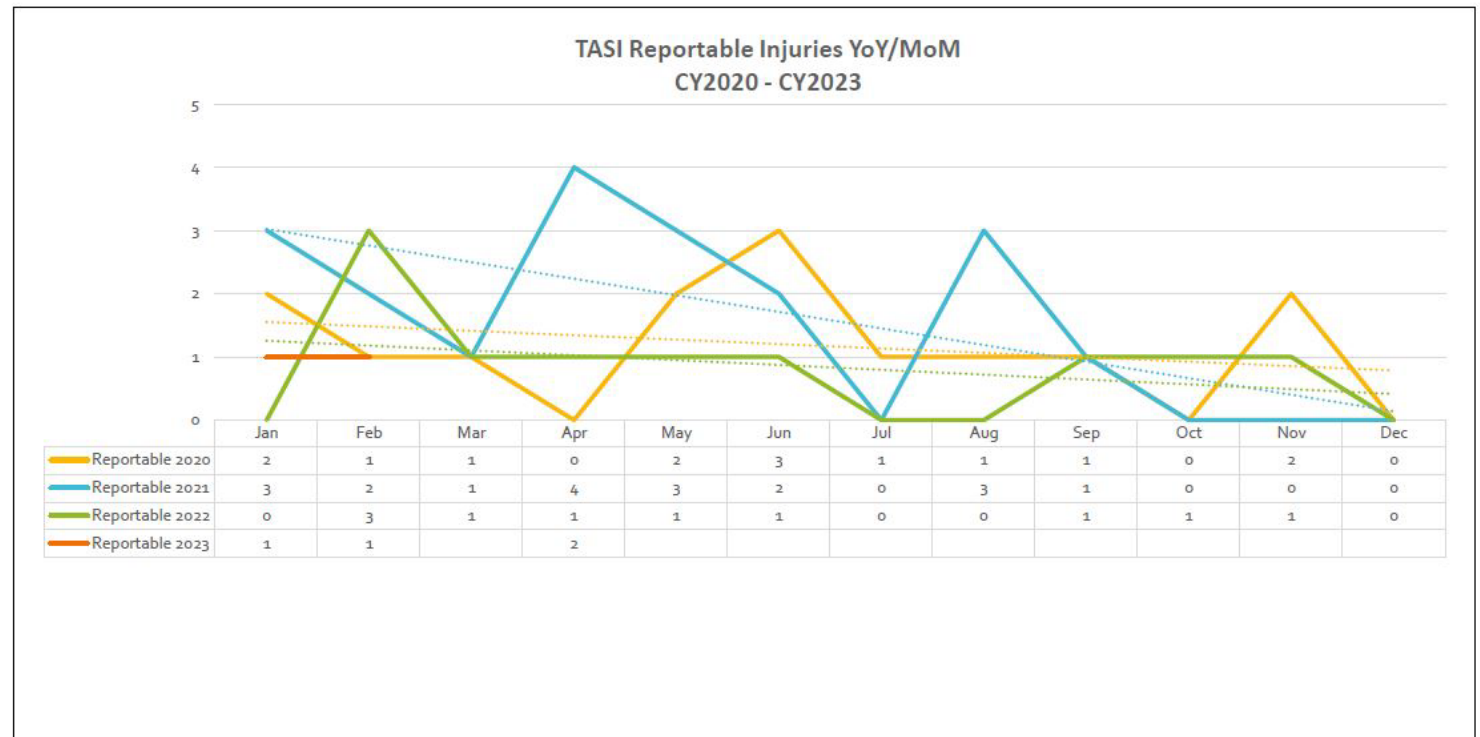
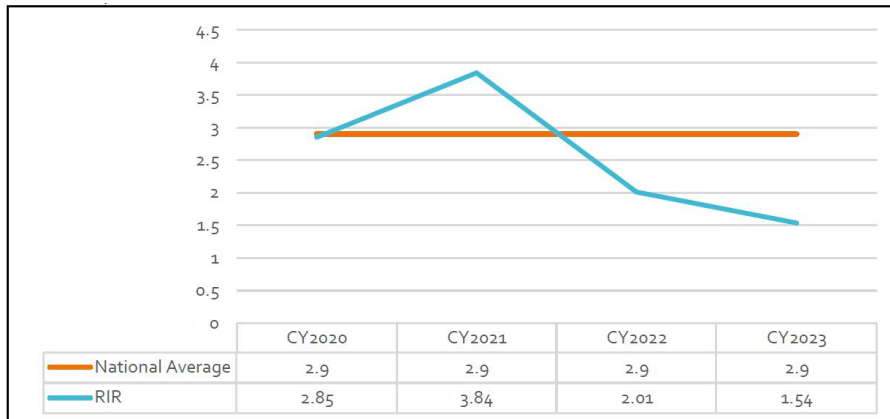
Injuries

Days Without a Reportable Injury as of 4/12/2023		
Department	DWI	Date of Last Injury
OPS	214	9/9/2022
MOE	9	4/2/2023
MOW	8	4/3/2023
OTHER	1049	5/27/2020

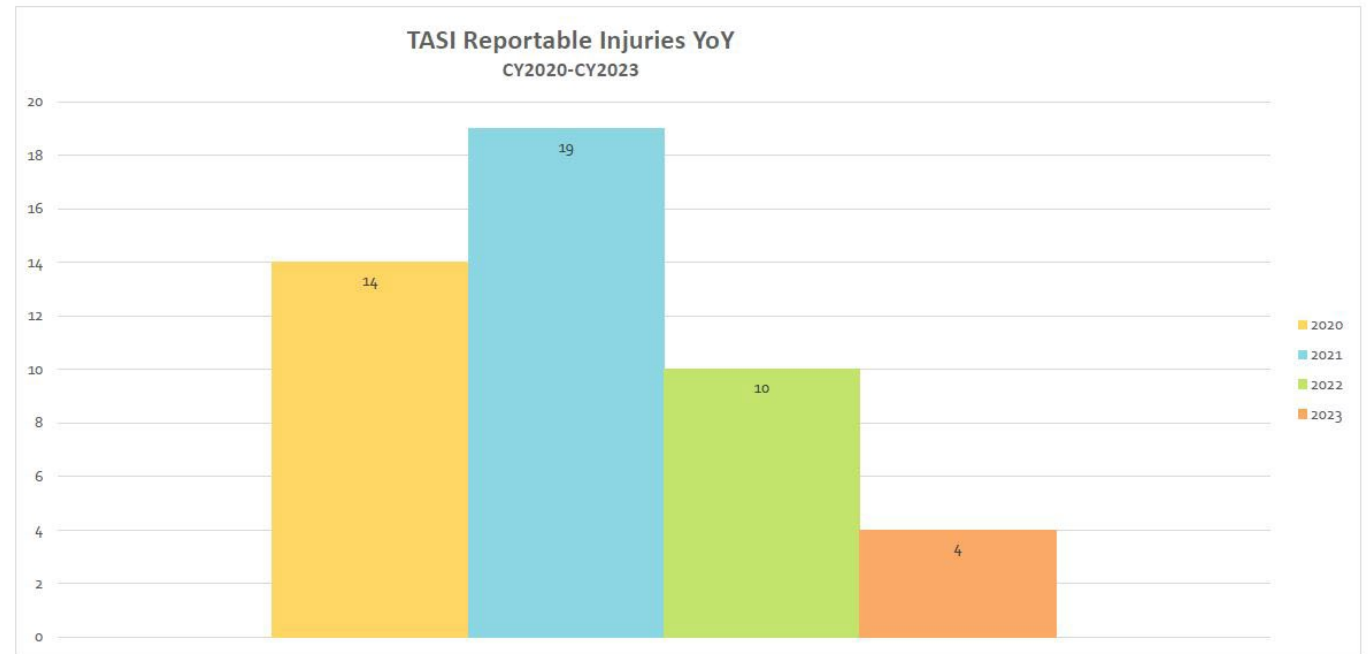
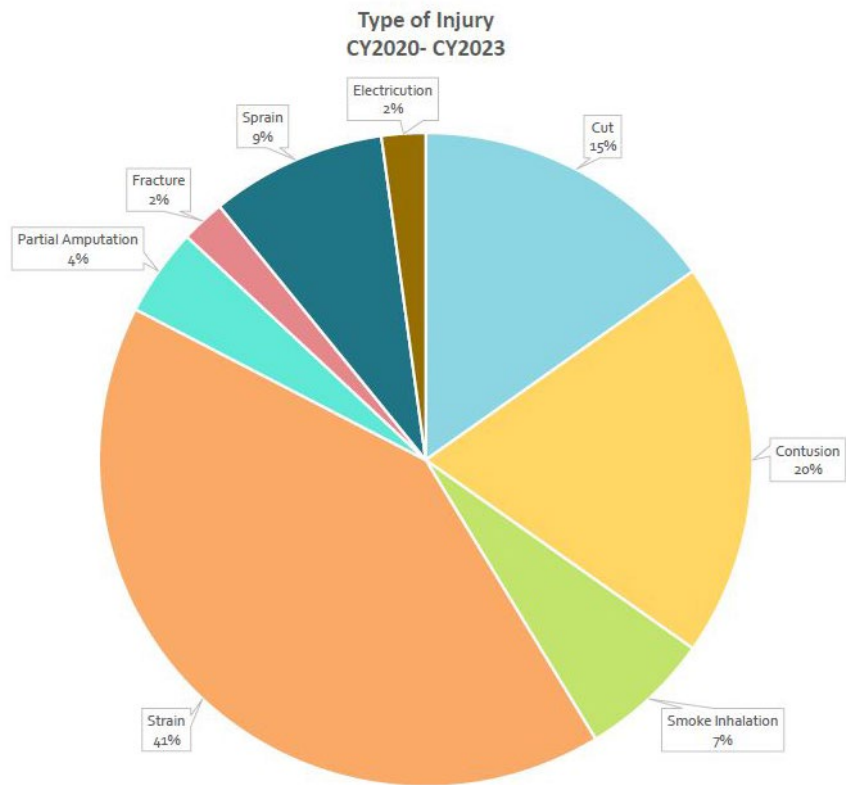
Month	Monthly Reported Injury Ratio	Cumulative Reported Injury Ratio (CY2023)
March	2.52	1.54

Monthly Injury Ratio is calculated by: $(\text{Monthly Man-Hours} / \# \text{Incidents}) / 200,000$

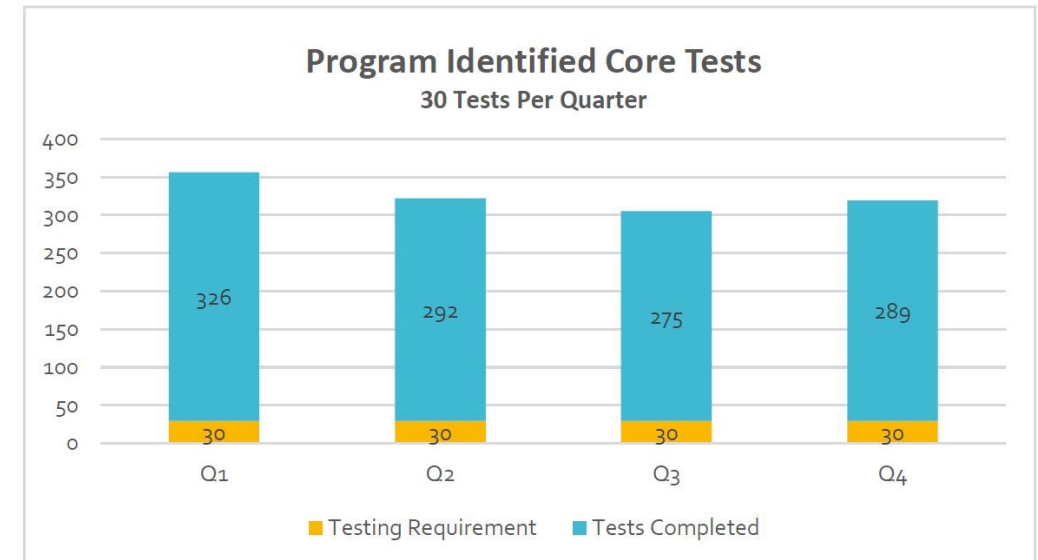
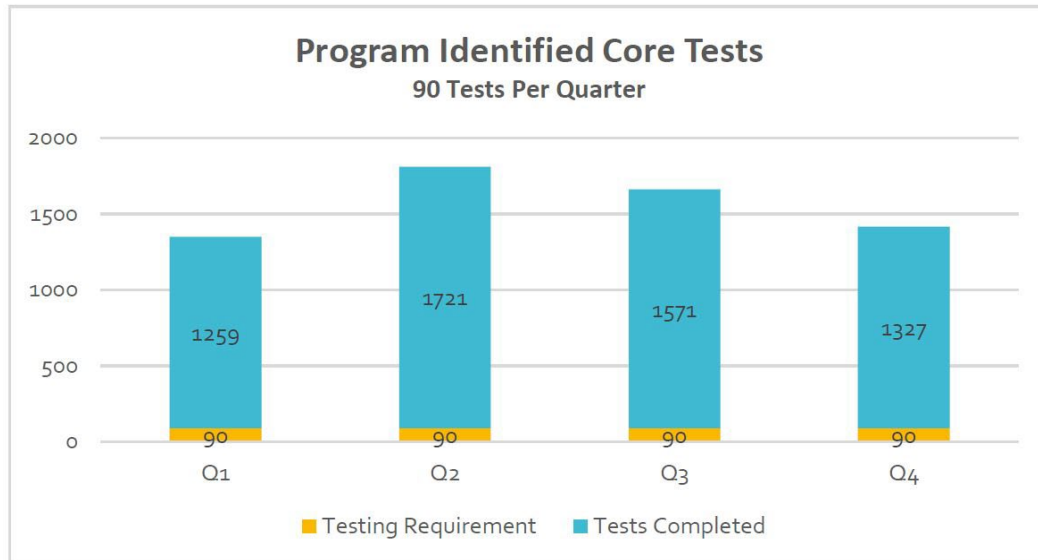
Cumulative Ratio YTD is Calculated by: $(\text{YTD Man-Hours} / \text{YTD} \# \text{Incidents}) / 200,000$



Injuries



Efficiency Testing

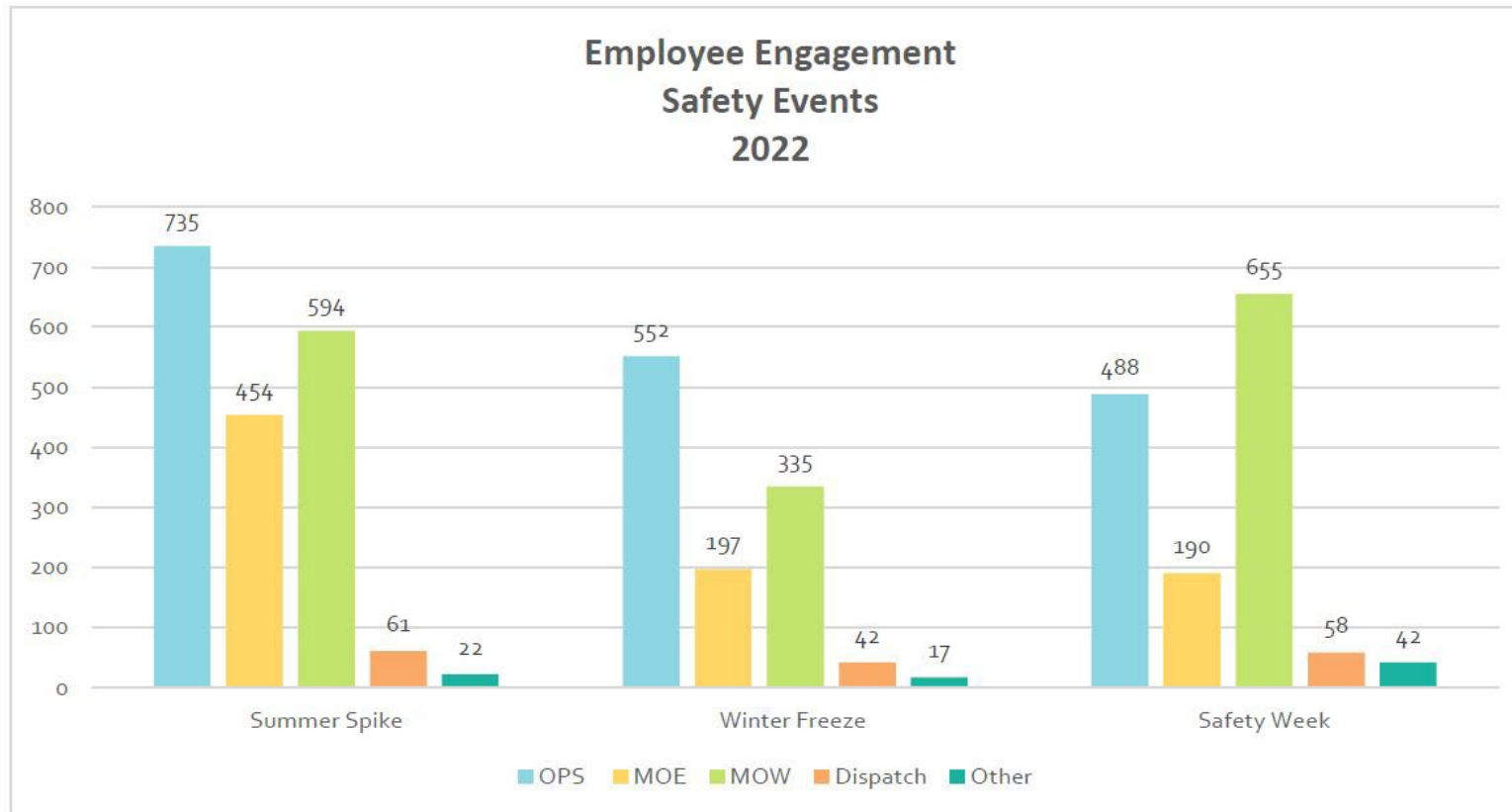


- Test 104 - Flags
- Test 106 - Trains/Engineers/Cars Left Unattended
- Test 107 - Speed Requirements
- Test 109 - Delayed in the Block
- Test 111 - Communication of Signals
- Test 113 - Passenger Car Door Operations
- Test 118 - Block Signal Drop
- Test 125 - Conductor Calling Restrictions to Engineer
- Test 205 - Protection of Track Car, Men, or Machines
- Test 408 - Alcohol and Drug Observations
- Test 417 - Conduct Proper Job Briefing
- Test 418 - Track Occupancy
- Test 419 - Tampering With Safety Equipment

- Test 301 - Blue Signal - MOE
- Test 302 - Lock out/Tag out - MOE
- Test 509 - Crossing Warning Devices



Employee Engagements



Summer Spike 2022 was a 4-month event, which consisted of one briefing per month. This safety blitz was hosted by the Herzog and TASI Safety Department. The TASI management team completed a total of 1,866 employee engagements.

Winter Freeze 2022 was a 2-month event, which consisted of one briefing per month. This safety blitz was hosted by the TASI Safety Department. The TASI management team completed a total of 1,143 employee engagements.

Safety Week was a 1-week event, which consisted of 1 safety engagement briefing per day. This safety event was hosted by the TASI Safety Department. The TASI management team completed a total of 1,433 employee engagements.

Inspections



Summary

- Dashboards are evolving – interoperability and granularity
 - Location
 - Job/Task Specific
 - Hours of Service, training, etc., databases
- Working on software solution to automate reporting – Vector Solutions
- Creates more risk/hazard identification and analysis
- Better data driven decision-making and planning
- Will provide quarterly updates to TOPS Committee
- Need your feedback and support to ensure continuous improvement