



Vehicles on the Tracks

*Citizens Advisory Committee
September 15, 2021
Agenda Item 10*

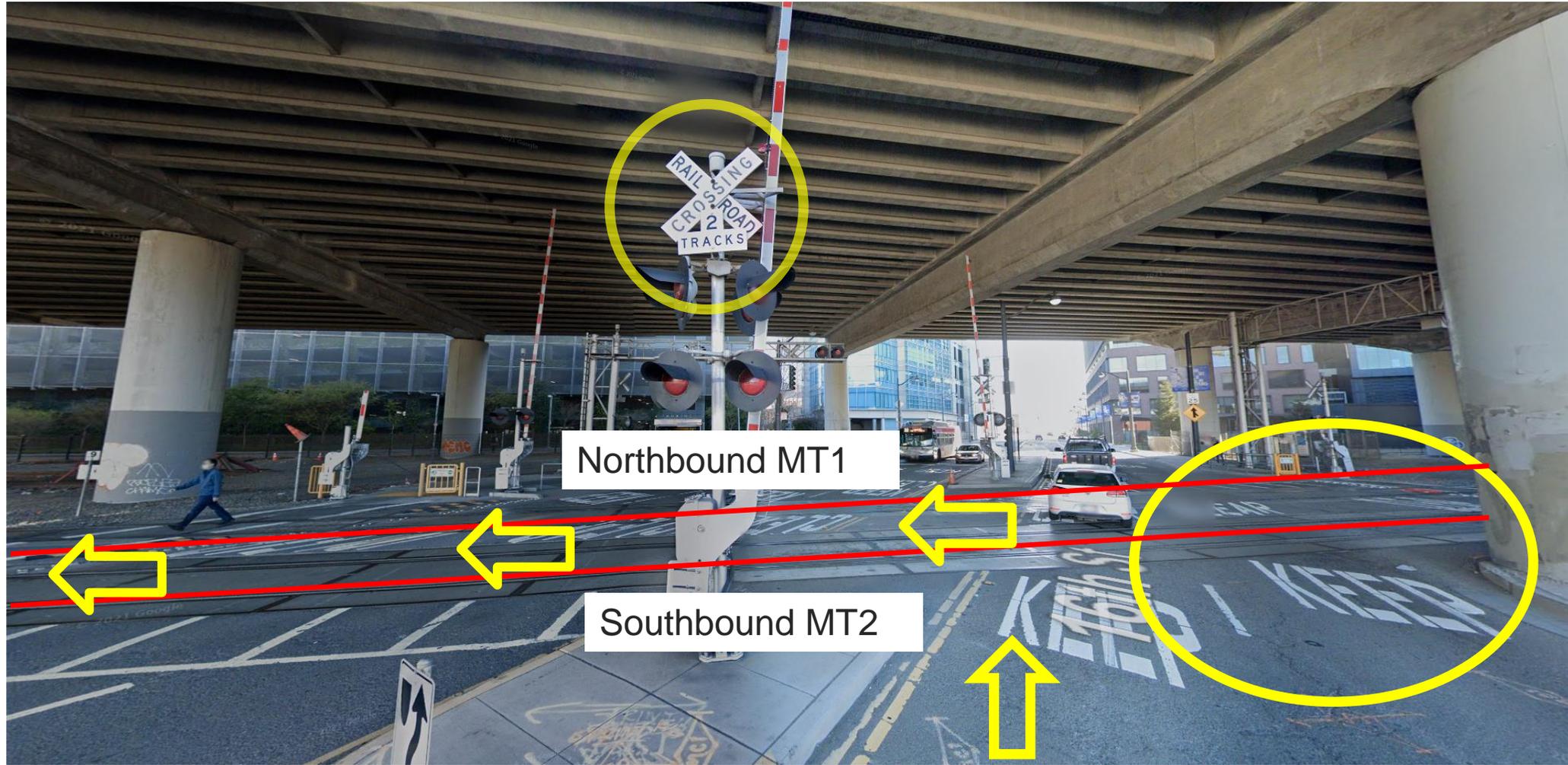
What is happening near grade crossings?

- Motorist are not paying attention to their surroundings or where they are driving
- Public is listening too closely to their navigation software (MapQuest, Waze, Goggle Maps etc.)
- Signage more than 100' in advance of the crossings, “keep clear”, “RXR” & “stop bars” pavement markings at the crossings are being ignored

Near 16th Street in San Francisco



Look at the path the driver took...



What is happening near grade crossings?

- What are the distracted motorist doing?
 - Talking on the phone...
 - Taking selfies / making TikTok videos
 - Texting
 - Ordering dinner via Grub Hub?
 - Not paying ATTENTION!

Improvements made to the crossings

- Additional pavements markings & signage at the crossings
- Mini islands to prevent driving around downed gates
- Solar Light Emitting Diode(LED) turtles installed to provide guidance of where not to turn
- Rumble strips and better street lighting
- Make sure the flashers, gates, signage in advance of grade crossings is clear of vegetation



Additional markings & signage
100' in advance of the crossing

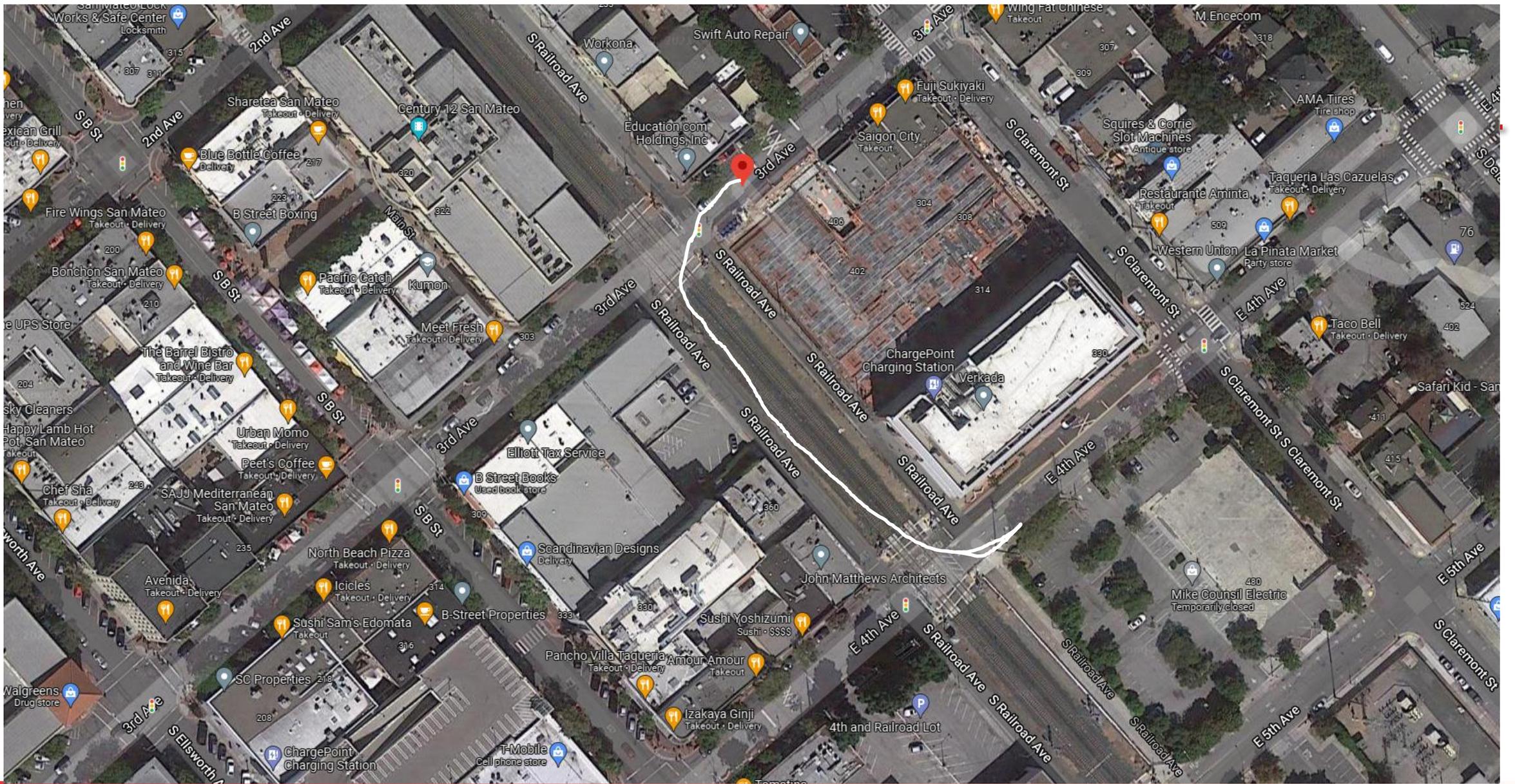
Pavement markings and signage
250' in advance of the grade
crossing at Churchill Ave

9/8/20 Churchill Avenue - Palo Alto

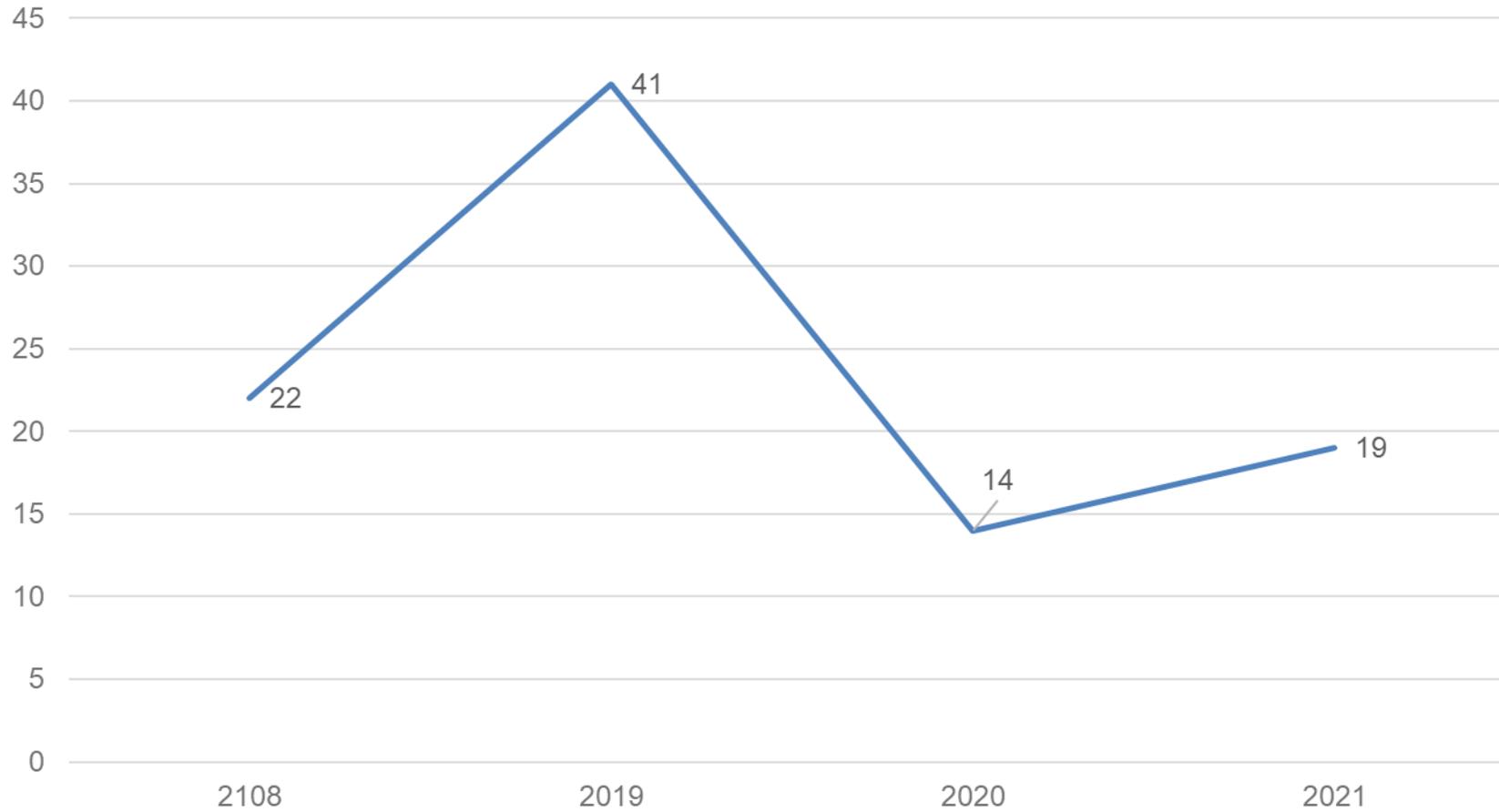


Tractor Trailer 01/11/13 at 3rd Ave in San Mateo

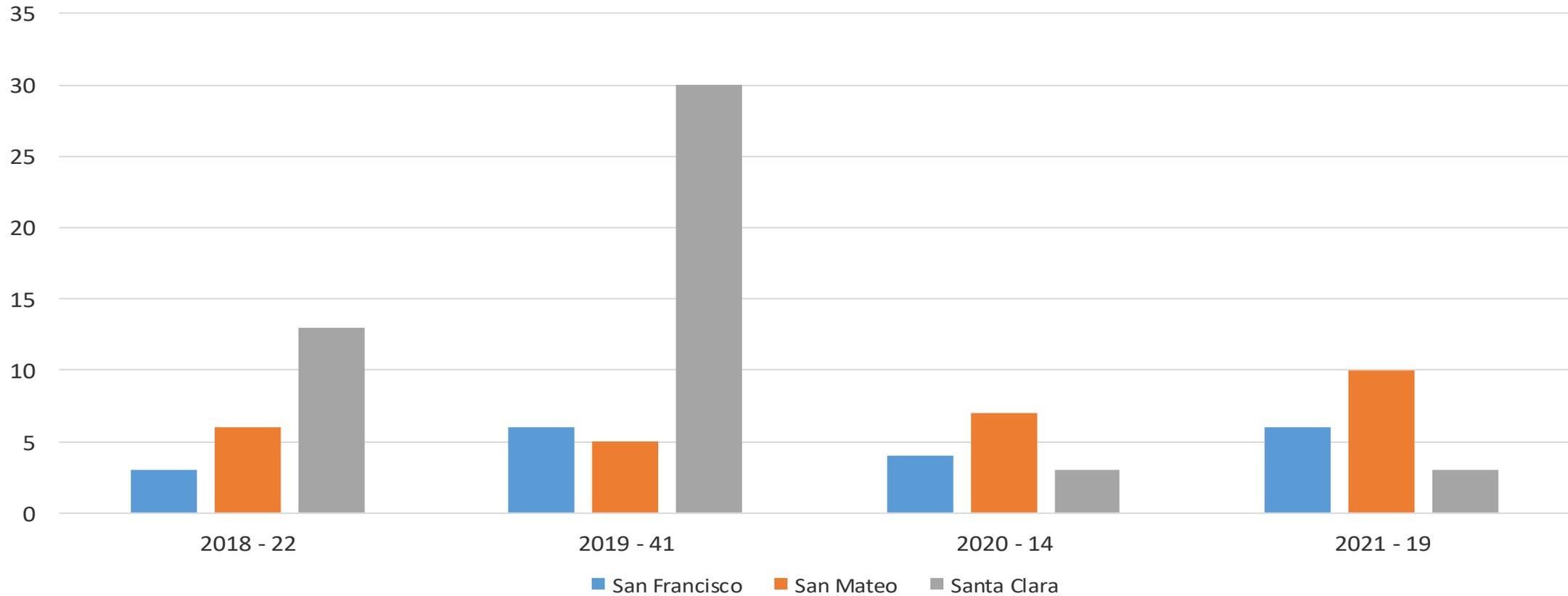




Vehicles on the Tracks 2018 to 2021



Vehicles on the Tracks by County



Cars on Tracks Incidents 2021

#	Date	Hour	Location	Milepost	Track	Frequency	Type of Incident	
1	17-Feb	10:47 PM	Mary Avenue, Sunnyvale	37.82	1	1	Vehicle Removed from Tracks	
2	19-Feb	7:24 PM	Chestnut Street, Redwood City	25.88	1	1	Train 289 struck unoccupied vehicle at 79 mph drug to Main Street	
3	22-Feb	6:52 PM	Alma Avenue, Palo Alto	29.62	2	1	Vehicle Removed from Tracks	
4	8-Mar	8:31PM	16th Street, San Francisco	0.89	1&2	1	SMART Car was heading west on 16th crossed MT1 and turned between the to main lines	
5	12-Mar	9:46 PM	Bellevue Avenue, Burlingame	16.96	1	1	Vehicle made right turn on to MT1 & traveled 115' North of the crossingRemoved from Tracks	
6	3-Apr	9:40 PM	3rd Avenue San Mateo	17.8	2	1	Vehicle made right turn on to MT2 proceeding south via 3rd	
7	9-Apr	9:01 PM	3rd Avenue San Mateo	17.8	2	2	Vehicle traveling west turned left on to MT2 going South aproximately 25'	
8	25-Apr	3:15 AM	Main Street, Redwood City	25.71	2	1	Vehicle turned down MT2 off of Main Street	
9	8-May	9:45 PM	Mission Bay Drive, San Francisco	0.62	1 & 2	1	Vehicle turned North and was blocking MT1 & 2 about 50' North of the crossing.	
10	11-May	9:43 PM	So Linden Avenue, SSF	10.34	2	1	Vehicle traveling west on So Linden turned left on MT2, traveled south and tore up switch machine 1A	
11	13-May	10:00 PM	Scott Street, San Bruno	10.48		2	2	18 Wheeler traveling North on Herman Street turned right on Scott St and hit the Signal Gate
12	21-May	8:31PM	16th Street, San Francisco	0.89		1	2	Vehicle traveling west on 16th Street turned right on to MT1 and drove 20 feet north. (DUI)
13	23-May	1:30 AM	Whipple Avenue, Redwood City	24.72		1	1	Vehicle traveling eastbound on Whipple turned left between the tracks and got center bound on MT1.
14	27-May	10:05 PM	3rd Avenue San Mateo	17.8		2	3	Vehicle made right turn on to MT2 proceeding south approximately 10', SMPD cleared the vehicle prior to TASI arrival
15	29-May	5:50 AM	Central Expressway & Furgeson Drive Mountain View	37.05		1	1	Vehicle went straight through the fence at Ferguson Drive and abandoned the Honda van next to MT1 no damage to the track.
16	2-Jun	12:46 PM	Mission Bay Drive, San Francisco	0.62		1 & 2	2	Vehicle turned North between MT1 & 2 and drove 75' North before getting high centered on MT1 no damage to the track.
17	17-Jul	9:29 PM	Mission Bay Drive, San Francisco	0.62		1,2 & 3	3	Vehicle traveling west bound turned right on to MT1, the rear end of the vehicle was fouling MT3.
18	29-Jul	10:08 PM	3rd Avenue San Mateo	17.8		2	4	Vehicle traveling east turned right on to MT2 going South approximately 50'.
19	24-Aug	1:01 AM	16th Street, San Francisco	0.89		1&2	3	Vehicle traveling east bound on 16th St crossed MT2 & turned left on the to MT1 and ran over the power switch machine & got stuck.



Grade Crossings over the years...

- In 1992 when Caltrain started – 52 grade crossings
 - Closed (5) Ralston, Harbor, Holly, Brittan & Howard
- In 2005 – 47 grade crossings
 - Closed (5) San Bruno, San Mateo, Angus, North Lane & Stockton
- In 2015 – 42 grade crossings
 - Closed (1) 25th Ave
- In 2021 – 41 grade crossings

Questions?

