

At-Grade Safety Enhancement Program

**Citizens Advisory Committee
July 15, 2026
Agenda Item 9**



Agenda

- 1. Context: Corridor Crossing Strategy (CCS)**
- 2. Safety Enhancement Program Overview**
- 3. Recently Completed Work**
- 4. Baseline Program Schedule**
- 5. ATP and Rail Sentry Pilot Programs**
- 6. Next Steps**

Context: Corridor Crossing Strategy

- JPB Adopted Corridor Crossing Strategy, including:
 - Safety Enhancement Program and
 - Elimination Program



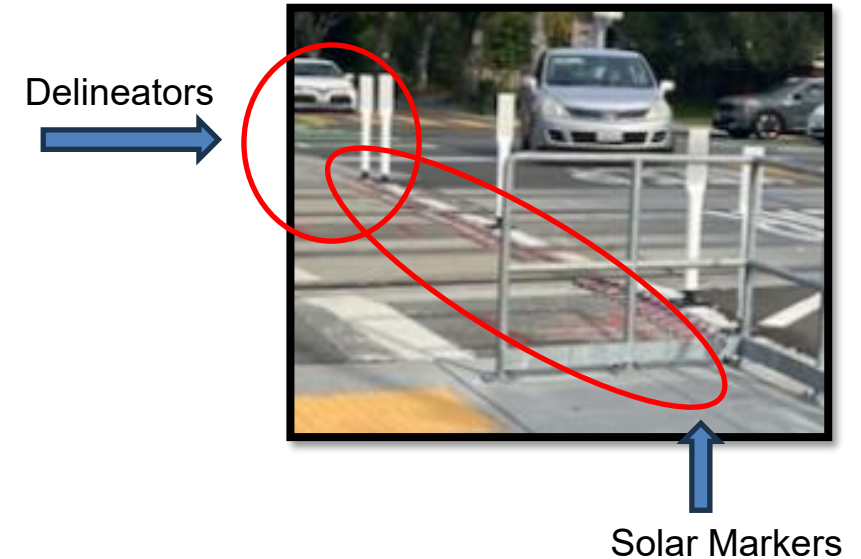
Safety Enhancement Program Scope

Baseline Enhancements (All crossings)

- Examples: Solar markers, delineators, striping refresh & traffic signal timing adjustments (by City)

Advanced Safety Enhancements (site specific)

- Examples include: pedestrian gate separation, lighting, new pavement markings, advance signal pre-emption, traffic signal movement modifications, and quad gates.
- Installation treatment-based Grade Crossing Hazard Assessment Update (*in process*)



Delineators & Solar Markers @ night.

Recently Completed Work

Baseline Enhancements:

- 16th Street (San Francisco)
- Broadway (Burlingame)
- Churchill, East Meadow, Charleston & Alma (Palo Alto)

Advanced Safety Enhancements:

- Mission Bay Drive (San Francisco) crossing: *complete*
- 4th Street & 5th Street (San Mateo) crossings: *complete*
- Churchill (Palo Alto) crossing: *complete*
- Charleston (Palo Alto) crossings: *100% design*

Baseline Program Schedule Update

At-Grade Crossing Safety Enhancements Program: Baseline Improvements (Corridor Wide)							
Scope		CY 2026				CY 2027	
		Q1	Q2	Q3	Q4	Q1	Q2
Regulatory	CPUC Compliance						
Delivery	Solar Markers						
	Delineators						
	Striping & Pavement Markings						
	Traffic Signal Timing Adjustments			By local jurisdiction.			

Safety Enhancement – Funding Update

SMCTA Approved \$20.5M Funding Allocation:

- Baseline safety upgrades planned at 28 at-grade crossings
- Advanced enhancements planned at 10 priority locations

VTA Funding Allocation

- Anticipated Fall 2026 following approval of Measure B Caltrain Category Expenditure Plan
- Note: Palo Alto allocation already occurred, projects at all four crossings completed

Pilot Programs

Scopes:

- Rail Sentry (RS) (intrusion monitoring)
- Anti-trespass panels (ATPs)

Status:

- RS: Installed & operational at six locations
- ATPs: Installed four locations
- Before and After pilot and data gathering underway
- Will make staff/stakeholder recommendation to Corridor Crossing Strategy Steering Committee



ATP @ Churchill Crossing

Next Steps

- Commence baseline improvements, August 2026
- Continue Grade Crossing Hazard Assessment
- Continue defining scope, schedule and budget for advance safety enhancement rollout throughout the corridor