

SamTrans Transit Signal Priority Project

February 2020

Agenda

- Project Goals
- Scope
- Technical Information
 - Operation
 - Installation
- Schedule

Project Goals

Transit Signal Priority (TSP) project is underway on El Camino Real.

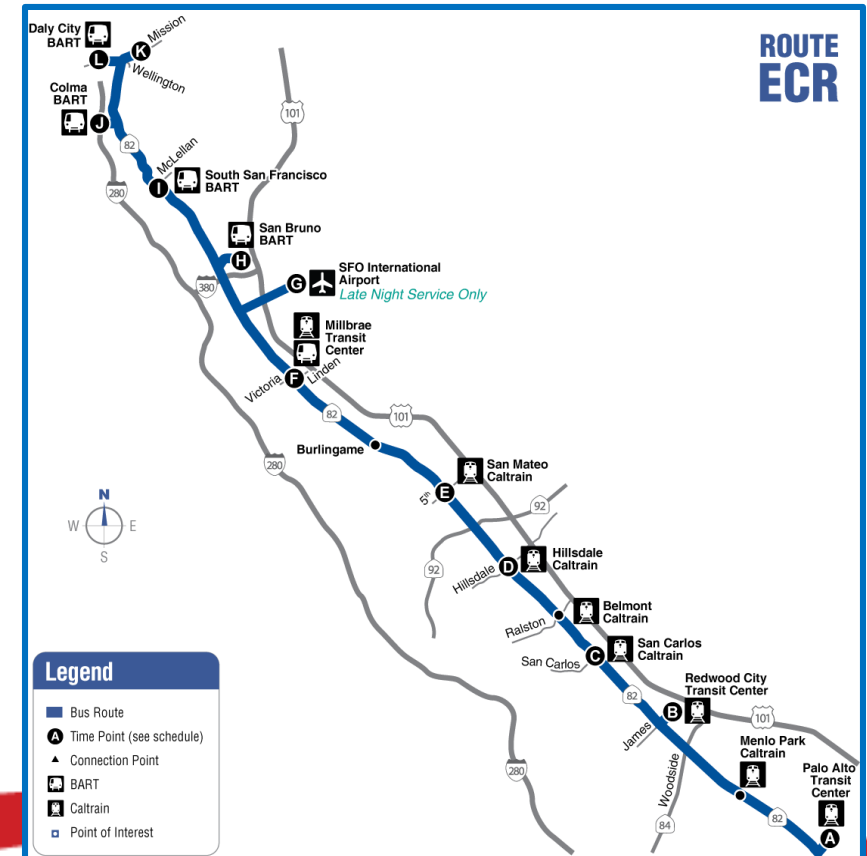
TSP will increase SamTrans bus speeds along El Camino Real by allowing the green light to be extended for buses running behind schedule.

Project Goals:

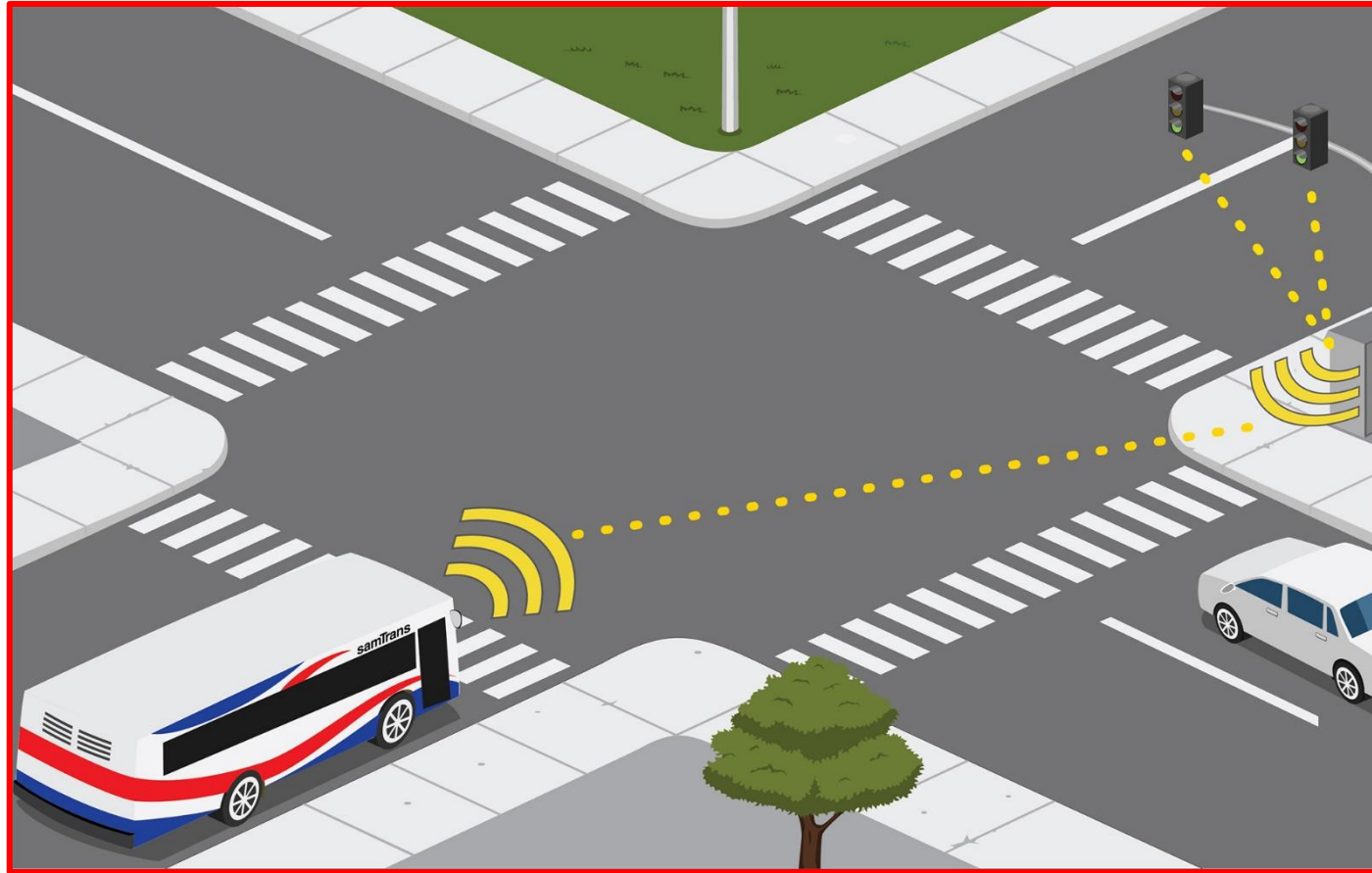
- ✓ Better on-time performance
- ✓ More reliable service
- ✓ Reduced delays at intersections

Project Scope

- 26 mile corridor between Daly City and Menlo Park (Route ECR)
- 161 SamTrans buses will be equipped
- 125 intersections



Concept of Operations



For illustrative purposes only

System Operations

- GPS based vehicle location
- Bus issues a Priority Request (EMTRAC System)
- Traffic Signal Controller system grants or denies request
- Request approvals:
 - Lower priority than Emergency Vehicle Preemption
 - Does not cancel a pedestrian cycle
 - Extends the green interval (no more than 10 seconds)
 - Can shorten the red cycle for an early green

Project Schedule

- Start Installation: February – April 2020 (North to South)
- Complete Installation: 2020 Q4
- System Testing: 2021 (6-9 months)
- Final Acceptance/Completion: 2021 Q3

Contact Information

For more information:

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