



Samtrans Traffic Signal Priority Project



C/CAG TAC Meeting
February 15, 2018

Implement Traffic Signal Priority (TSP) for Samtrans buses along El Camino Real in San Mateo County

- 26 miles corridor between Daly City BART and Palo Alto Transit Center
- 155 Samtrans buses will be equipped
- 120 Intersections will be equipped
- Localized controlled, no centralized monitoring system



Project Benefits

samTrans

- Travel time savings of 12.5 minutes (8.3%)
- Better on-time performance (from 81% to 90%)
- Annual operating cost savings of \$1.4M
- Increase ridership by 3%

Project Stakeholders

samTrans

- MTC
- Caltrans District 4
- C/CAG
- Local Cities (12)



1. GPS based vehicle location
2. Bus issues a Priority Request Generator
3. Traffic Signal Controller grants or denies request
 - a) lower priority than Emergency Vehicle Preemption
 - b) does not cancel a pedestrian cycle
 - c) extends the green interval (preset max value)
 - d) shorten the red cycle for early green

Project Milestones

- Begin Project – 2017 Q4
- Concept of Operations – 2018 Q2
- Preliminary Design – 2018 Q3
- Final Design – 2019 Q2
- Begin Installation – 2019 Q4
- Complete Installation – 2020 Q4
- Final Acceptance – 2021 Q3



Questions?

