Samtrans Traffic Signal Priority Project

C/CAG TAC Meeting
February 15, 2018
Project Scope

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

- 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

- 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?