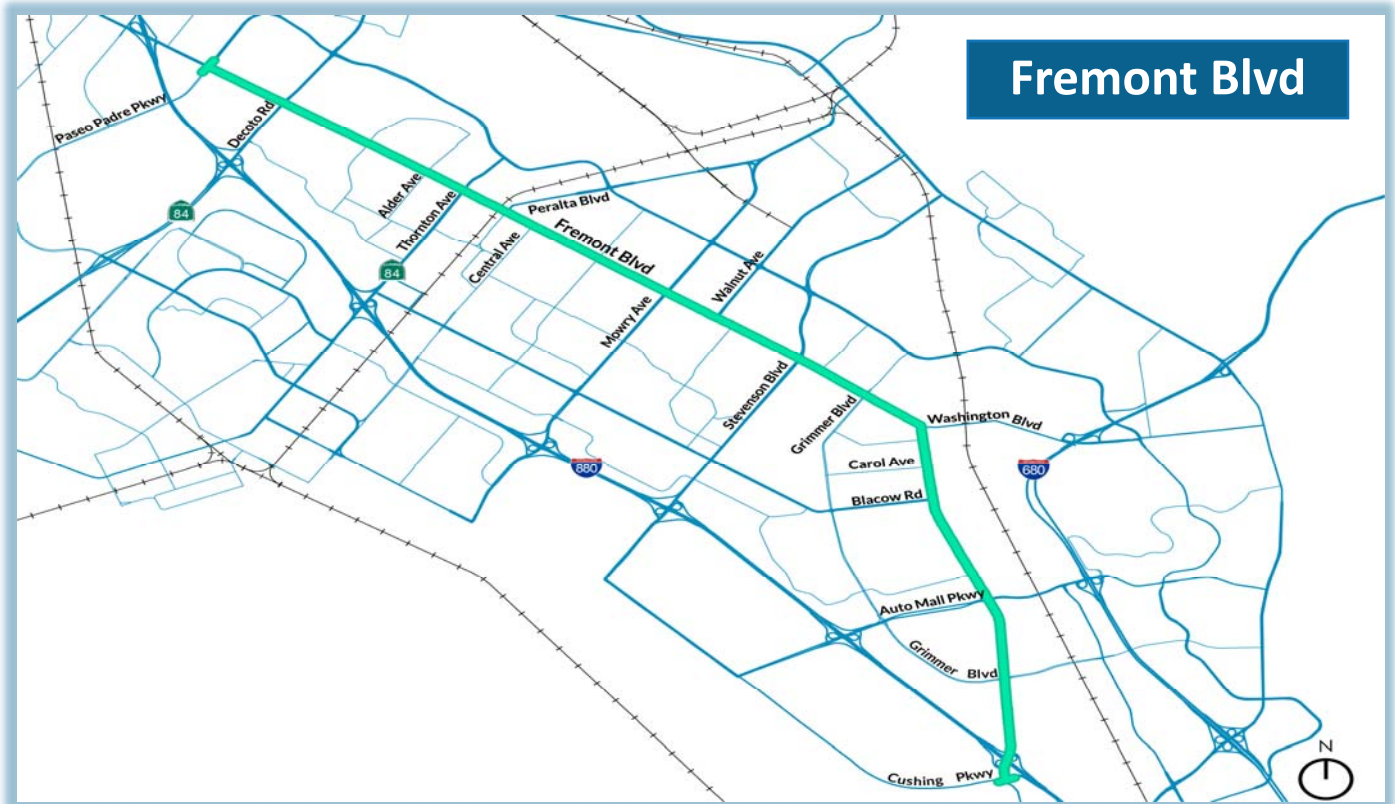


## Fremont Boulevard Safe and Smart Corridor

[www.fremontsmartcorridor.org](http://www.fremontsmartcorridor.org)



**Fremont Blvd**

The goal of the Fremont Boulevard Safe and Smart Corridor project is to support Fremont’s General Plan vision to “serve as a national model of how an auto-oriented suburb can evolve into a sustainable, strategically urban, modern city” and to develop Fremont as a leading city of innovation in Silicon Valley. In addition, the project would support the Vision Zero policy goals related to eliminating traffic fatalities and Climate Action Plan sustainability goals to reduce transportation-based greenhouse gas emissions through transportation mode shift and reduce energy consumption. The Fremont Boulevard Safe and Smart Corridor Project would assess problem areas along the corridor, evaluate technologies best suited for each problem, and implement the appropriate technologies to make the corridor safer. The project is consistent with the City’s Vision Zero traffic safety goals, meets the City’s General Plan vision and sustainability goals, and improves efficient multimodal mobility.

### CHALLENGES AND SOLUTIONS

#### CHALLENGES

- Safety to meet Vision Zero Goals
- Communications Infrastructure
- Diverse stakeholder groups
- Operations and Maintenance
- Corridor Mobility

#### SOLUTIONS

- Detection of cyclists/pedestrians
- Wireless backhaul network
- Public Outreach Plan
- Design contains O&M elements
- Intersection upgrades

## PROJECT SCHEDULE (estimated)

November 2018 –  
May 2019

Preliminary Engineering

May 2019 – July 2019

Environmental Clearance

May 2019 –  
September 2019

Design

August 2019 – October  
2019

Procurement

November 2019 –  
May 2020

Construction

Fall 2019 –  
Spring 2020

Community Outreach

May 2020

Estimated Project  
Completion

## SCOPE OF WORK

### Preliminary Engineering:

- Research documentation and perform site inspections to develop an existing conditions report

### Environmental Clearance:

- Prepare a detailed scope of work to clear the project for construction in compliance with NEPA/CEQA requirements

### Design:

- Develop construction plans, specifications and estimates for the installation of recommended technology solutions

### Procurement Support:

- Assist staff in identifying best procurement method and produce guidelines for the selection process

### Construction Support:

- Provide support to City inspectors for compliance to contract, standards, and codes
- Review technical submittals and document changes

### Community Outreach:

- Project website
- Stakeholder and public outreach meetings
- Community outreach events (tours, open house)

## ELEMENTS

- Traffic Signal Modernization
- Bike and Pedestrian Detection
- Speed Management
- Communications between vehicles and Traffic Signal
- Communications between vehicles & bikes/pedestrians
- Wireless Communications
- Smart Lighting
- Smart Parking

## BENEFITS

- TSP, detection & CV ability
- Improves throughput, safety, and reliability
- Improves safety
- Connected Vehicle safety & SPAT messages to vehicles
- Improves safety and flow at intersections
- Expands communications
- Efficient energy usage
- Manages parking demand



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## PROJECT PARTNERS

