

Alameda County, CA

Webster Street Smart Corridor Project



PROJECT DESCRIPTION:

Future development and redevelopment plans along the western estuary, and within the cities of Alameda and Oakland, will significantly increase traffic demand in the Posey and Webster tubes, the two parallel underwater tunnels connecting both cities. Previous traffic conditions within the tubes have resulted in significant traffic congestion as traffic backs up into both Alameda and Oakland.

The Alameda County Congestion Management Agency (ACCMA) selected TJKM to complete this project and achieve the following goals: address current traffic congestion, improve transit service, enhance emergency access, be proactive in planning for the future, provide better traveler information, and improve air quality through the reduction of vehicle emissions without widening roadways. The Webster Street SMART Corridor project achieved said goals through the implementation of advanced signal system technology and Intelligent Transportation Systems strategies.

To enhance the efficiency of the existing transportation network, including both the Posey and Webster Street tubes, TJKM's project role involved:

- Development of a Transit Signal Priority System to reduce travel time along five AC Transit lines
- Design of traffic signal coordination systems along Webster Street and for Constitution Way/Lincoln Avenue
- Design of a new traffic signal at Webster/Pacific Avenues and signal modifications at five intersections
- Design and implementation of an Advance Vehicle Detection System to monitor traffic conditions along the corridor and alert the public of current travel conditions
- Design and implementation of a closed-circuit television camera system to assist with incident removal or equipment failures
- Implementation of an Advanced Traveler Information System to disseminate traveler information via www.smartcorridors.com
- Implementation of an Incident Management System

TJKM performed all services on-time and within budget and the project design and construction phase are now complete.

