

# Mountain View, CA Shoreline Boulevard Traffic Adaptive Signal System

**PROJECT OWNER:**

City of Mountain View

**PROJECT DATE(S):**

2014 - Ongoing

**TJKM CLIENT REFERENCE:**

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**TJKM Fee:**

\$98K

**PROJECT DESCRIPTION:**

This project involved traffic signal improvements at 15 intersections along Shoreline Boulevard to install a fully adaptive traffic control system between El Camino Real and Crittenden Lane in the City of Mountain View. The primary purpose of the adaptive signal system is to improve traffic operations and safety by effectively increasing the capacity of the corridor with real time optimized signal timing operations. Shoreline Boulevard is a major north/south arterial roadway through the City. The land uses along Shoreline Boulevard consist of commercial shopping centers, major employment centers, the Shoreline Amphitheater, and recreational areas in the North Bayshore area. All of these land uses result in a fluctuation of traffic volumes that can be accommodated by an adaptive traffic signal system.

TJKM conducted a detailed inventory of the corridor's signal system and interconnect system. Based on the detailed inventory of the existing system, TJKM developed the hardware and firmware requirements for installing and implementing the InSync Fusion adaptive signal system with communication from City Hall to the Shoreline Boulevard system. TJKM provided initial cost estimates for the identified improvements. Preliminary plans were prepared illustrating the proposed improvements required. Detailed design documents were prepared following receipt of comments from the City on the preliminary design plans. TJKM assisted the City in obtaining the encroachment permit from Caltrans for the proposed improvement work at the three Caltrans-owned intersections and prepared a traffic study justifying the benefits of the adaptive signal system at the Caltrans on/off ramps. The project design was completed on schedule and the project is constructed and in operation. TJKM also assisted the City with integration and fine-tuning of the adaptive signal system.



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