

Stanislaus County, CA

Sperry Avenue at I-5 Interchange



PROJECT OWNER:

Stanislaus County

PROJECT DATE(S):

2014 - 2016

TJKM CLIENT REFERENCE:

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TJKM FEE:

\$104L

PROJECT DESCRIPTION:

TJKM assisted in analysis of three development alternatives to facilitate discussions with Caltrans to improve the interchange between I-5, a four-lane freeway, which carries between 37,000 to 41,000 vehicles per day (vpd) near Sperry Avenue, and that major local road. TJKM collected and used traffic volume data collected in the past decade to interpolate and estimate potential traffic at the intersection, adjusting for changes in plans for nearby commercial and industrial development in the county and the nearby City of Patterson.

TJKM prepared a summary of existing traffic operating conditions within the study area during the weekday AM and PM peaks and developed Synchro models that simulate Existing Conditions. TJKM took a lead role in performing the necessary traffic forecasting activities, and developed models that reflected No Build Conditions for the opening year and 2035, as well as a Synchro model to evaluate up to three build alternatives for comparison to the future year No Build Conditions, or to assess other design alternatives or refinements.

TJKM also provided travel forecasting and traffic operational analysis services to support the preparation of the Environmental Document.



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