

SCOPE OF WORK
November 12, 2019
State Route 99/Shaw Avenue Interchange
Feasibility Study
Fresno, California

INTRODUCTION

The City of Fresno has requested Caltrans conduct a Feasibility Study for the State Route (SR) 99/Shaw Avenue interchange. In June 2001 a Project Study Report – Project Development Support (PSR-PDS) was approved to study this location. Since then SR 99 has been widened to 6-lanes and much growth has occurred. Additionally, the extreme angle of SR 99 with Shaw Avenue creates challenges for developing interchange alternatives. This study will attempt to identify viable alternatives that would address safety concerns, geometric deficiencies, and future operational needs to accommodate the City’s planned growth.

WORK TASKS

Task 1 Initial Investigation

A review of the 2001 PSR-PDS, current City Planning documents, and geometric deficiencies will be conducted.

Task 2 Safety Investigation & Analysis

Traffic Accident Data will be obtained, and a Safety Analysis performed.

Task 3 Conceptual Improvement Drawings

Conceptual alternative drawings for interim and build out scenarios will be developed utilizing available aerial photos to assist with developing concepts that will minimize right-of-way impacts.

Task 4 Traffic Counting & Forecasting

Intersection counts will be conducted. Planned land use and modeling will be used to determine future traffic volumes.

Task 5 Operational Analysis

Preliminary analysis of each of the conceptual alternatives will be performed.

Task 6 Preliminary Cost Estimates

Preliminary cost estimate for each alternative will be prepared based on the Conceptual Improvement Drawings.

Task 7 Summary Report

A summary report presenting the analysis and conclusions of this scope of work will be prepared and distributed via email for review.