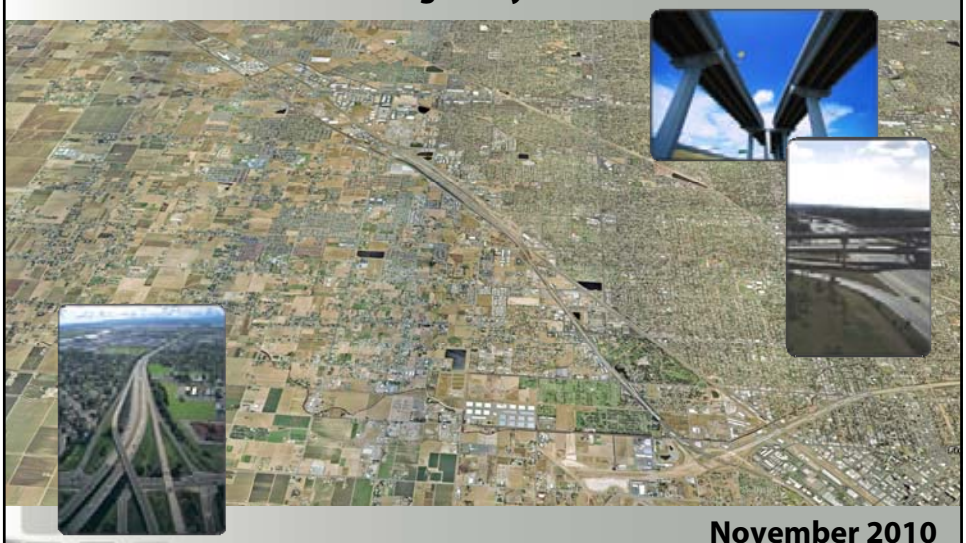
West Area Transportation Circulation and Planning Study

FEHR & PEERS
TRANSPORTATION CONSULTANTS



November 2010

PROJECT OBJECTIVES

FEHR & PEERS
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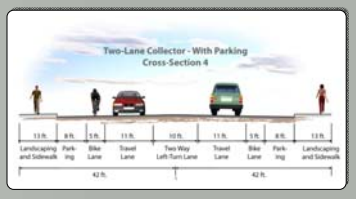
- Provide Guidance on Design Standards
  - City of Fresno
  - County of Fresno
- Determine Roadway and Intersection Needs
  - Existing Conditions
  - Future Conditions
- Develop Cost Estimates
- Prepare Implementation Strategy



SETTING

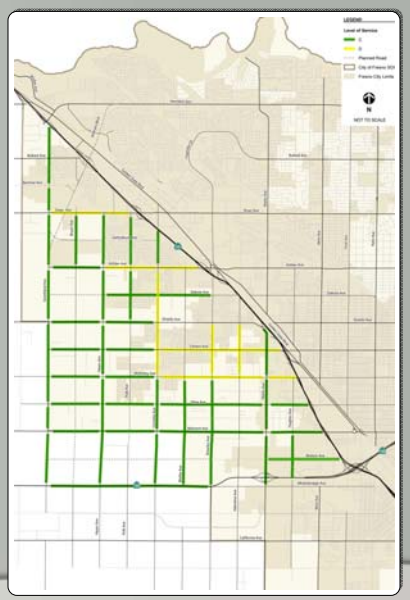
- Area converting from rural to urban
- Development patterns have left gaps in the urban level transportation infrastructure
- Transportation network has been based on the 2025 City of Fresno General Plan. This has resulted in oversizing some roads

SETTING

SETTING

METHODOLOGY

- Council of Fresno County Governments Transportation Model used to forecast future traffic
- Model validated to existing conditions
- Level of Service D used to size intersections and roadways



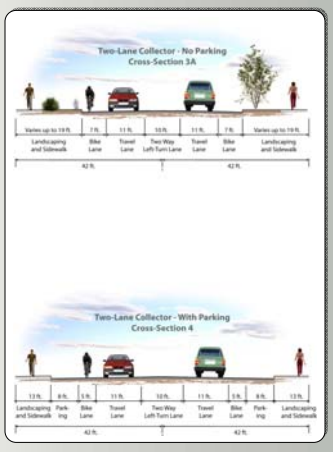
RESULTS

- The recommended plan has less number of travel lanes (262 lane miles to 379 lane miles)
- The recommended plan has three less intersection controlled by traffic signals
- The recommended plan results in a 13% reduction in costs to implement ($71 million)

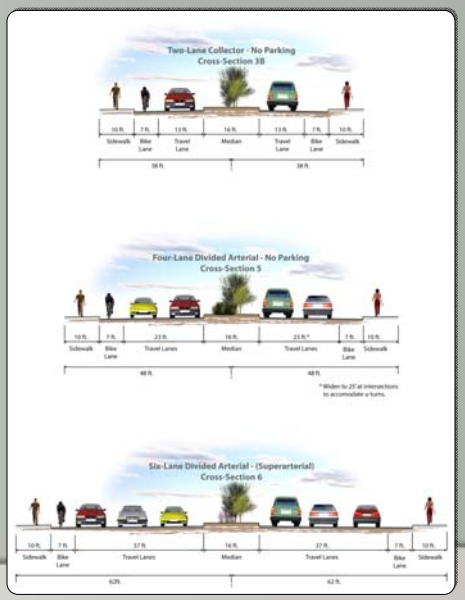
EXISTING GENERAL PLAN

RECOMMENDED ROADWAY NETWORK

STREET CROSS SECTIONS



Note: The collector road shall be 84 feet of right-of-way per the county of Fresno General Plan



ROAD CROSS SECTIONS

Three Lane Collector

Six Lane Divided Arterial

Four Lane Divided Arterial

Implementation Strategy

FUNDING OF IMPROVEMENTS

- City of Fresno Development Fee Program

IMPLEMENTATION OF PLAN

- Project level review
- Dedication of right-of-way
- Project frontage improvements
- Select projects from east to west

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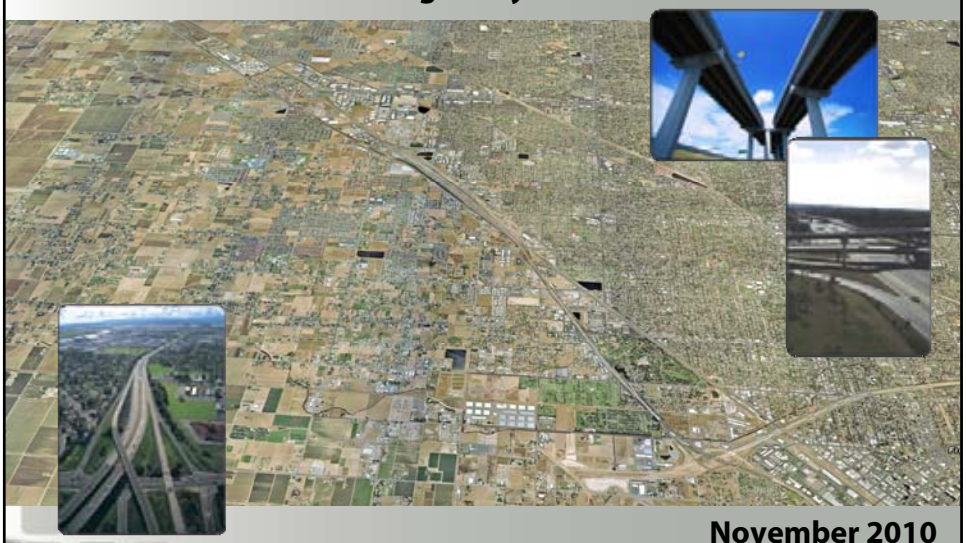

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