

West Area Transportation Circulation and Planning Study



November 2010

PROJECT OBJECTIVES



- 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





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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

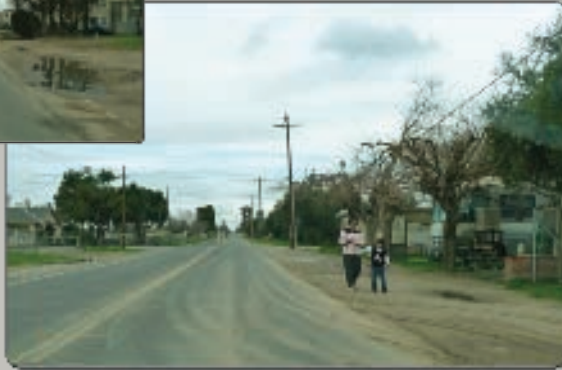


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SETTING



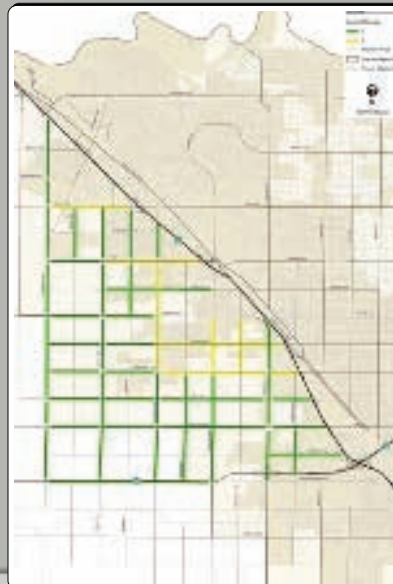
SETTING



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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



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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)

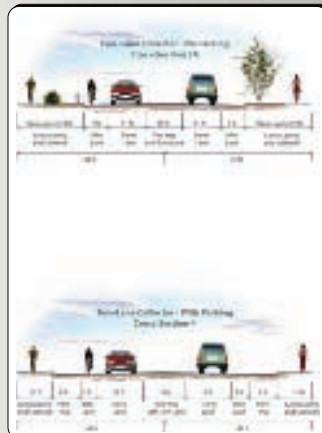
EXISTING GENERAL PLAN



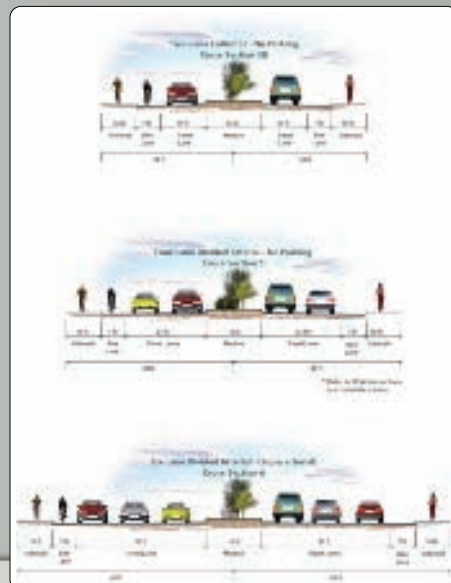
RECOMMENDED ROADWAY NETWORK



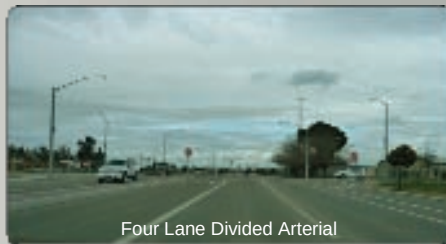
STREET CROSS SECTIONS



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



ROAD CROSS SECTIONS



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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