San Joaquin Valley Goods Movement Coordination

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Overview of Presentation

- Past Planning Efforts and Findings
- SR 99 and I-5 Goods Movement Planning
- SJV Goods Movement Sustainable Implementation Plan
- Coordination with other Planning Efforts

Past Planning Efforts

- San Joaquin Valley Regional Goods Movement Action Plan 2007
- State Route 99 Business Plan
- SR 58, 223, 166, 119, 46 and 65 Truck Origin and Destination Study
- California Inter-Regional Intermodal System Study, Phase I and II
- SR 99/I-5 Origin-Destination Truck Study
- East Side Business Plan (Short Haul rail)
- CA Statewide Rail Plan

Past Planning Efforts

San Joaquin Valley Interregional Goods Movement Plan

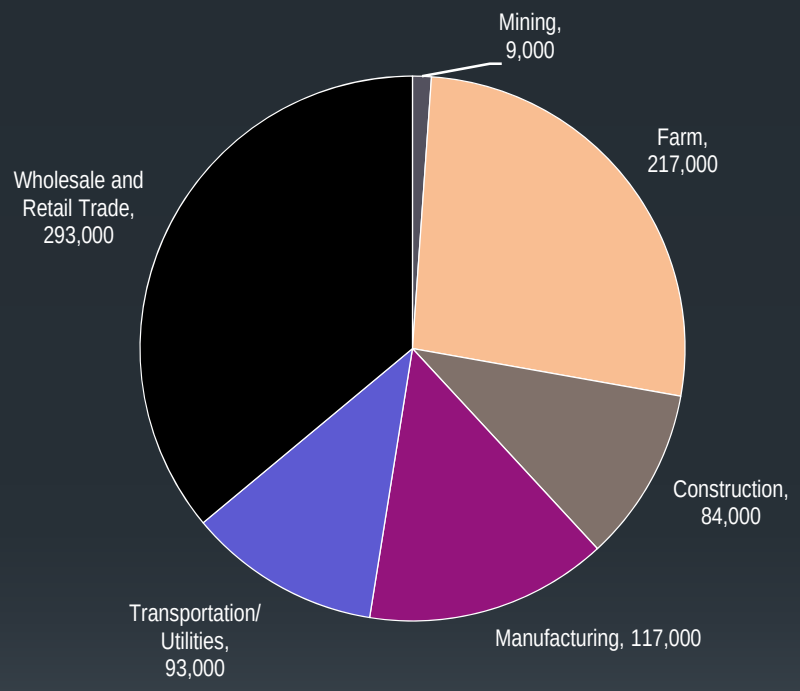
Completed in 2013, Caltrans Planning Grant

- Eight County MPO and Caltrans TAC
- Worked with regional freight stakeholders
- Assessed supply chain and logistics trends
- Created a prioritized investment plan of project improvements and strategies

SJV Interregional Goods Movement Plan

Goods movement –related industries:

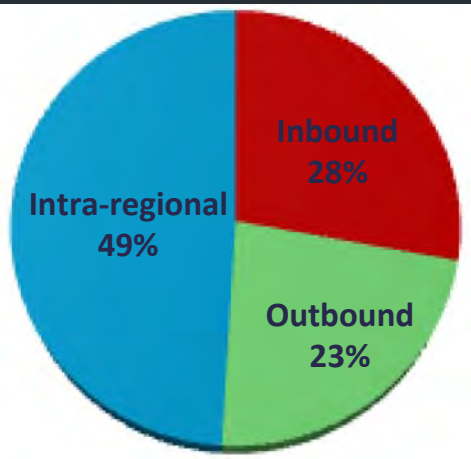
- Provide 564,000 jobs (2011)
- 44 percent of Valley employment tied to goods movement
- Contribute $56 billion (2011) to the region's economy
- Provide goods and services to consumers / industry

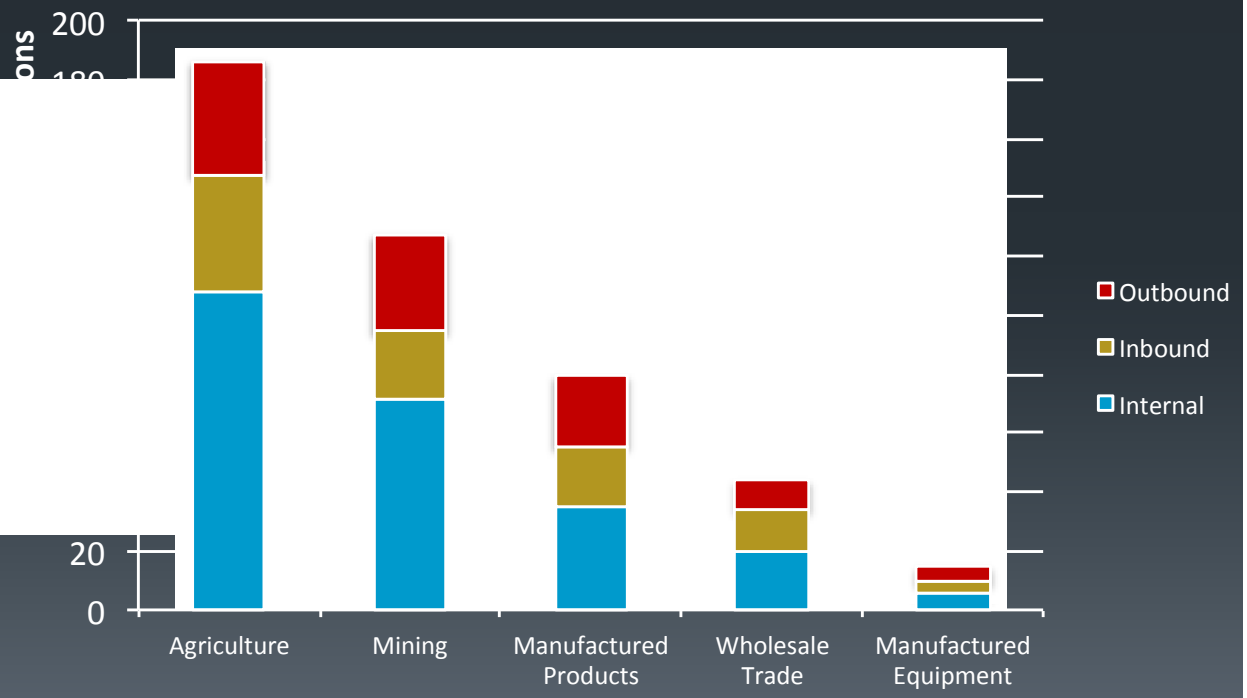


Source: California Forecast, 2011, Moody's economy.com (for mining employment).

SJV Interregional Goods Movement Plan

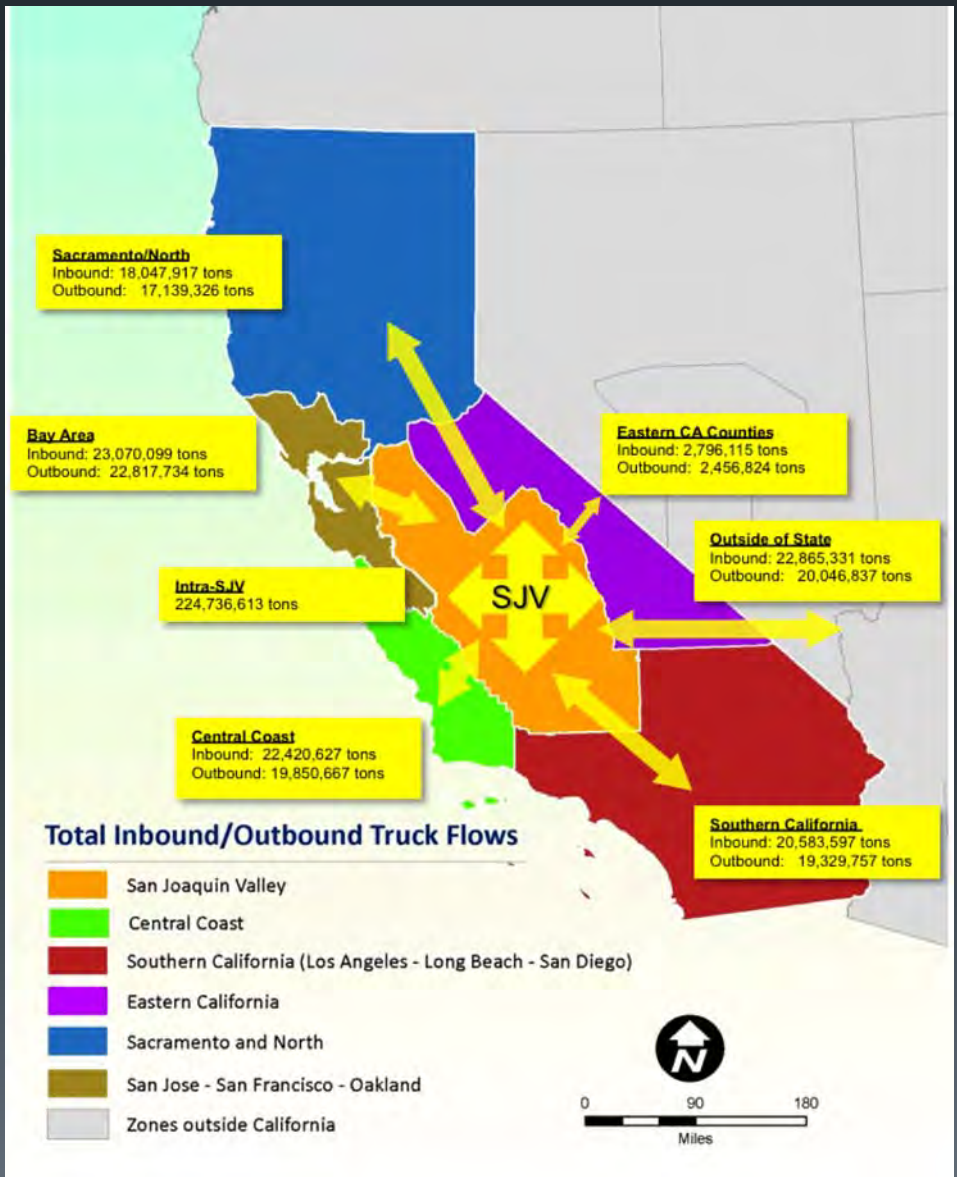
Almost 50 percent of all commodity movements are intra-regional. Preserving the regional and local serving infrastructure is essential to supporting SJV industry





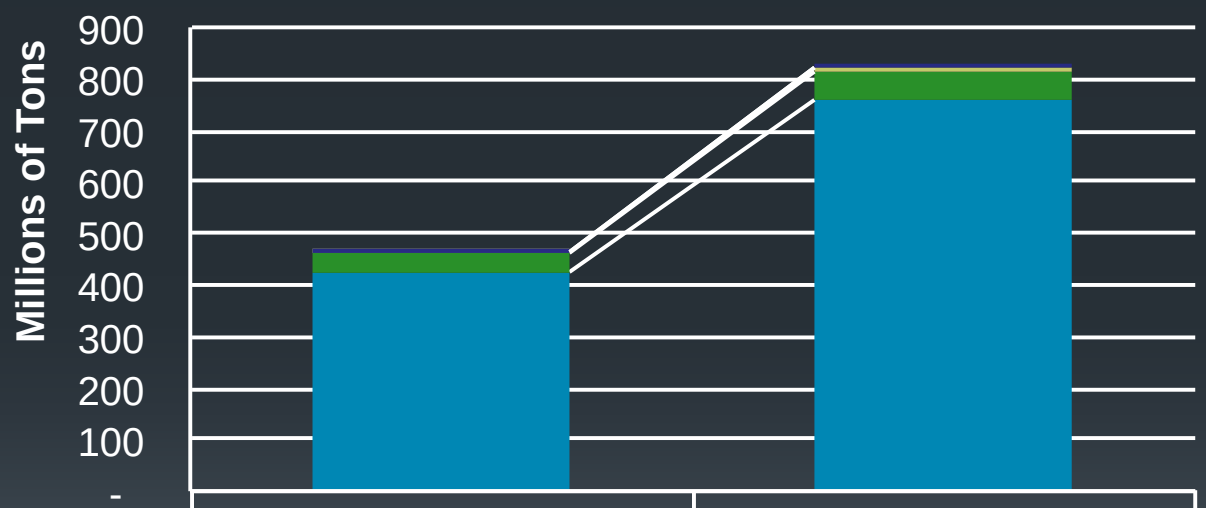
SJV Interregional Goods Movement Plan

SJV Trading Partner Tonnage Distributions



SJV Interregional Goods Movement Plan

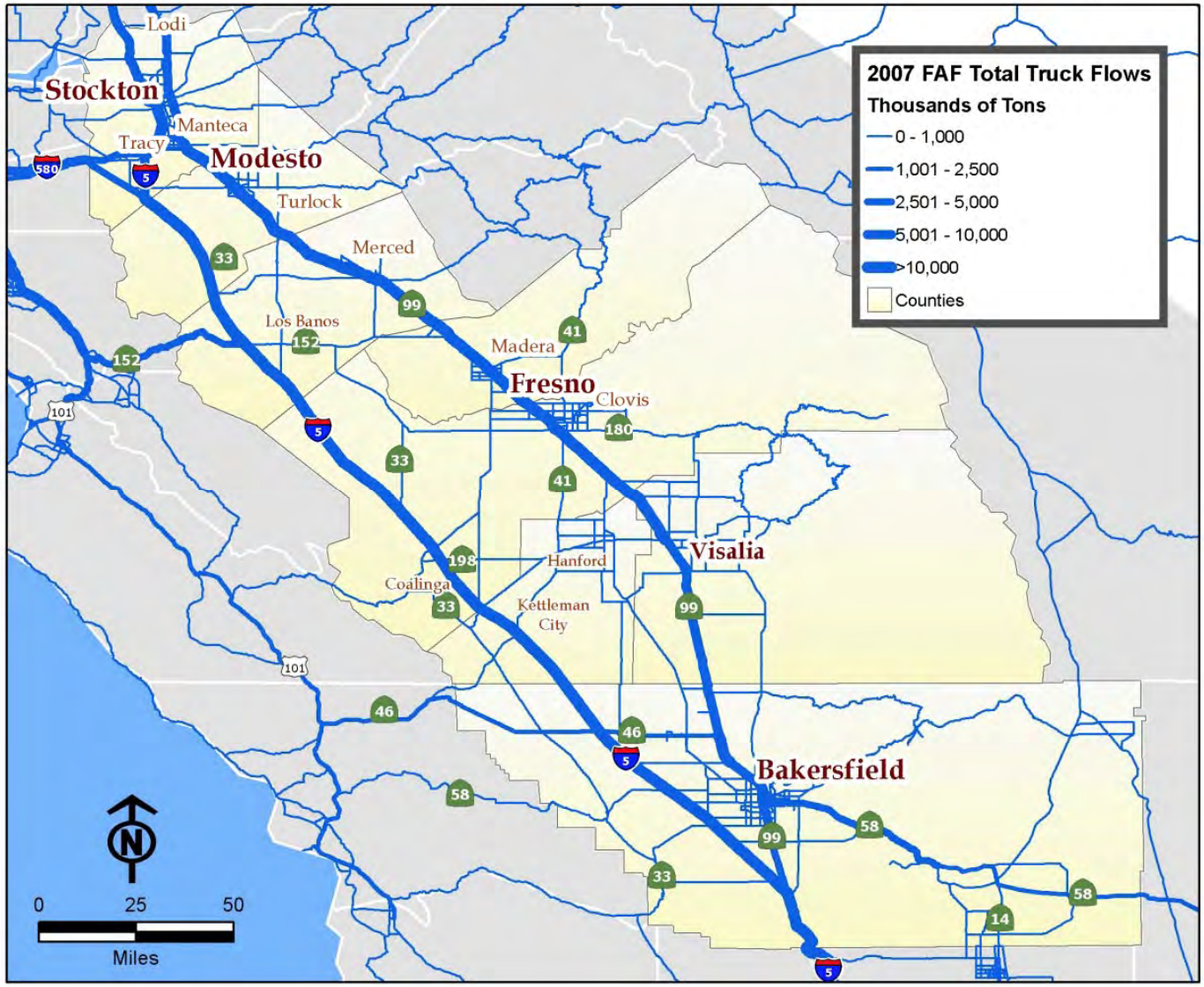
90 percent of commodity movements are by truck. However, key industries depend on other modes (rail & air cargo).



	Year 2007 tons	Year 2040 tons
Air	11,034	11,034
Water	2,140,388	6,234,782
Rail	36,494,492	54,205,458
Truck	425,306,232	757,950,132

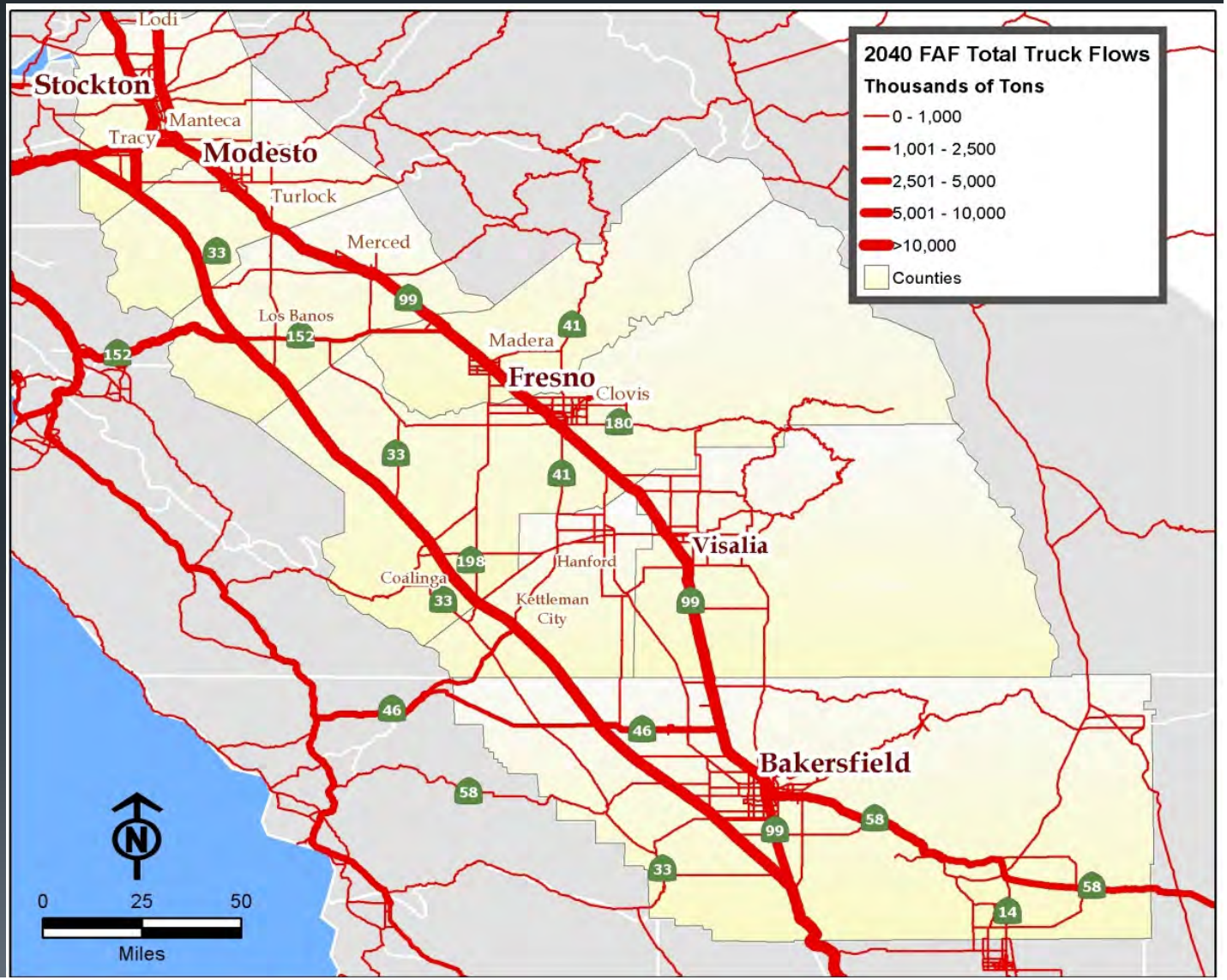
SJV Interregional Goods Movement Plan

Truck Flows in the San Joaquin Valley, 2007



SJV Interregional Goods Movement Plan

Truck Flows in the San Joaquin Valley, 2040



SJV Interregional Goods Movement Plan

Project List of Priority Projects and Strategic Programs

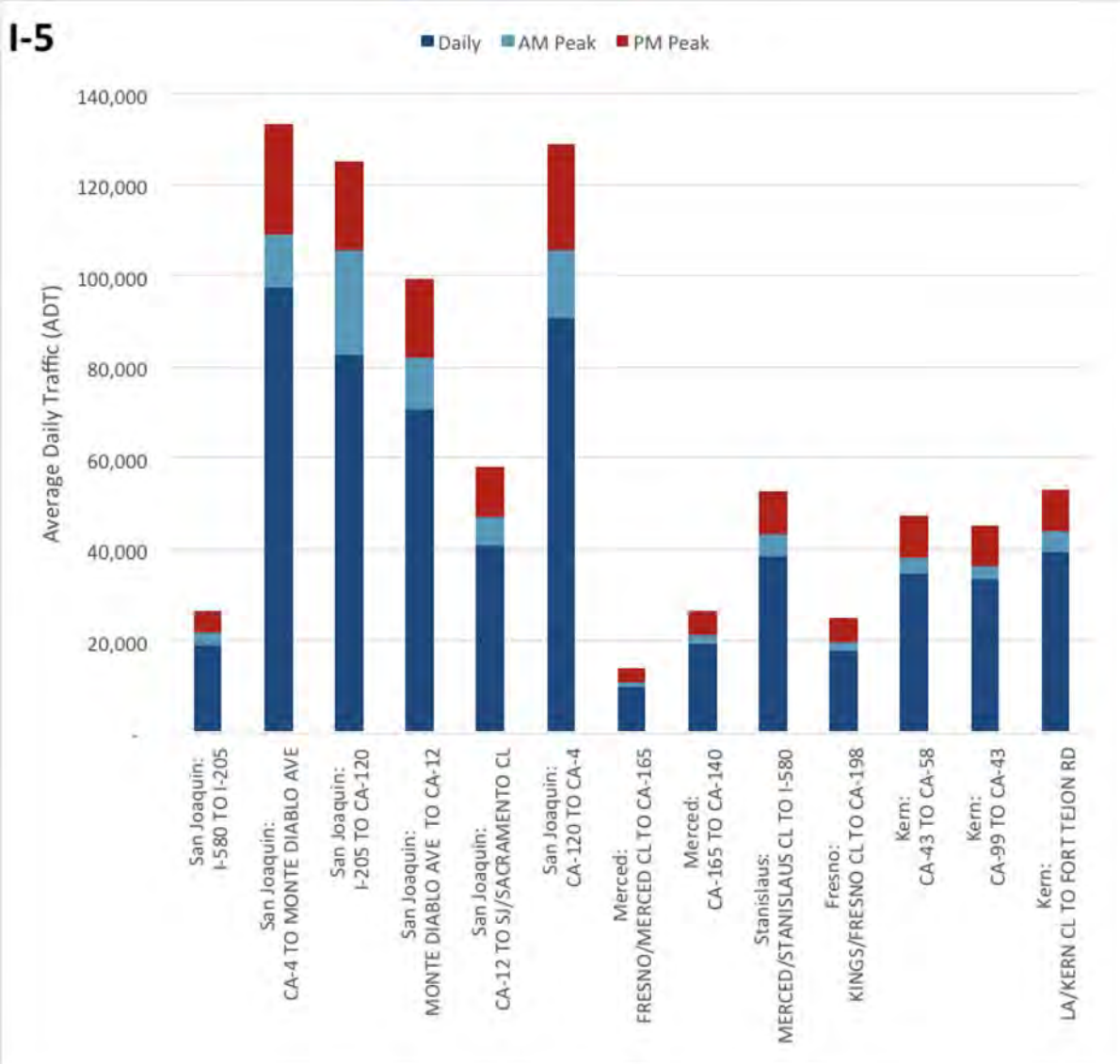
SR 99 / I-5 Goods Movement Corridor Study

Commenced in 2015, Caltrans Emerging Priorities Planning Grant

- Comprehensive Existing and Future Conditions
- Strategic Programs
  - Safe Truck Only Toll Lanes
  - Increasing Truck Size & Weight Limits
  - Intelligent Transportation Systems
- Feasibility Assessment
- Demonstration Project

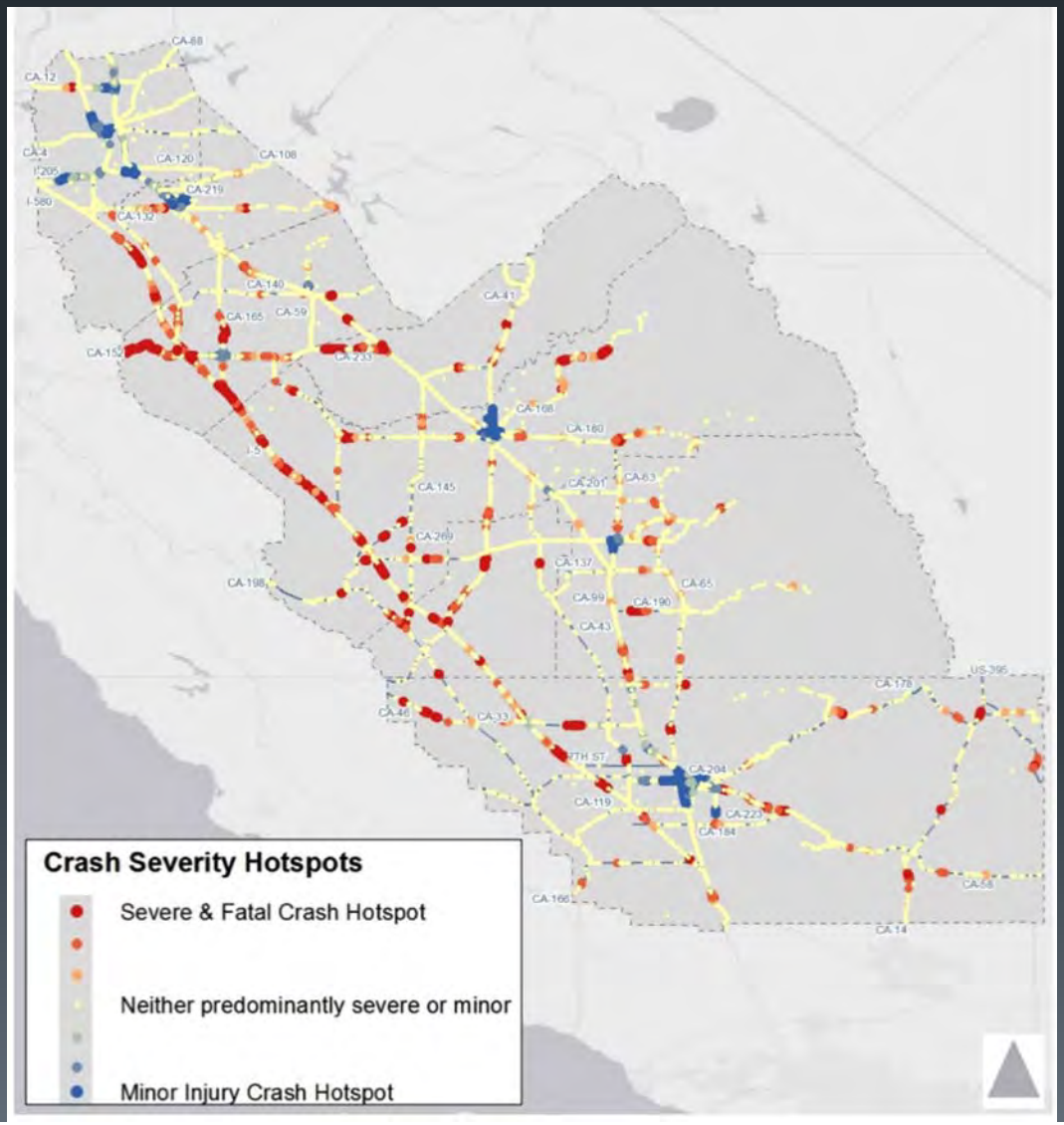
SR 99 / I-5 Goods Movement Corridor Study

Truck Traffic Analysis by Segment



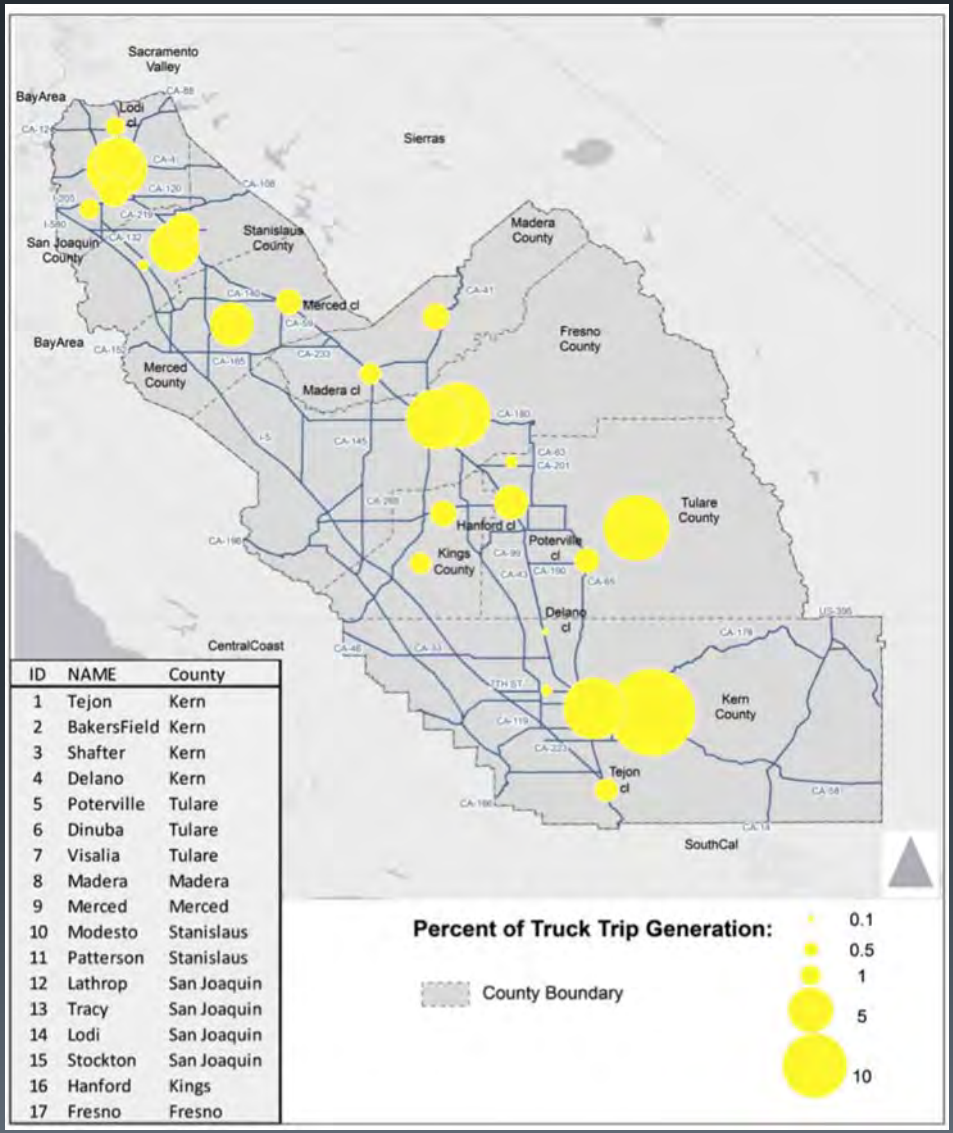
SR 99 / I-5 Goods Movement Corridor Study

Crash Severity Hotspots



SR 99 / I-5 Goods Movement Corridor Study

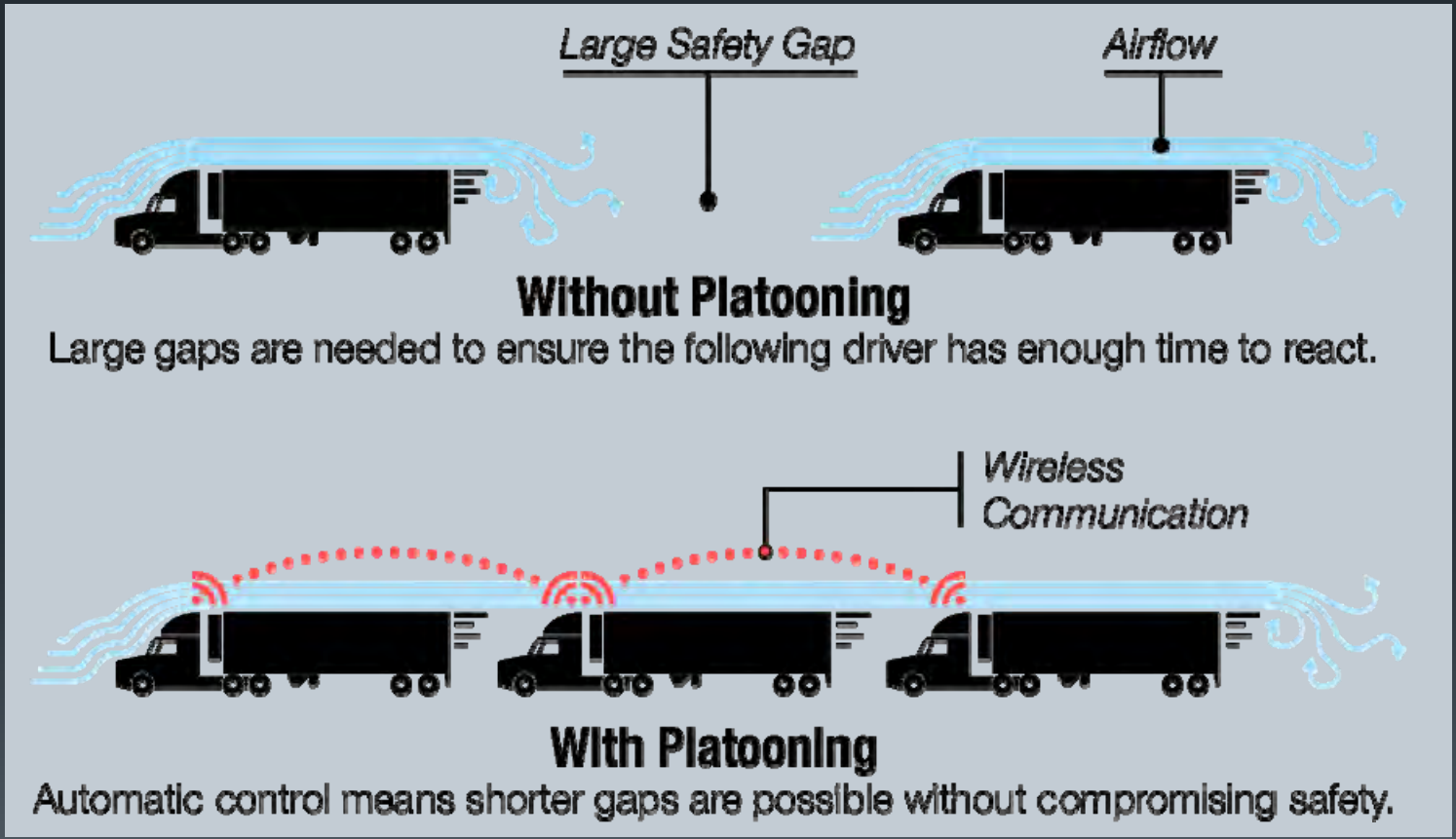
Cluster Analysis



ID	NAME	County
1	Tejon	Kern
2	BakersField	Kern
3	Shafter	Kern
4	Delano	Kern
5	Poterville	Tulare
6	Dinuba	Tulare
7	Visalia	Tulare
8	Madera	Madera
9	Merced	Merced
10	Modesto	Stanislaus
11	Patterson	Stanislaus
12	Lathrop	San Joaquin
13	Tracy	San Joaquin
14	Lodi	San Joaquin
15	Stockton	San Joaquin
16	Hanford	Kings
17	Fresno	Fresno

SR 99 / I-5 Goods Movement Corridor Study

Demonstration Project

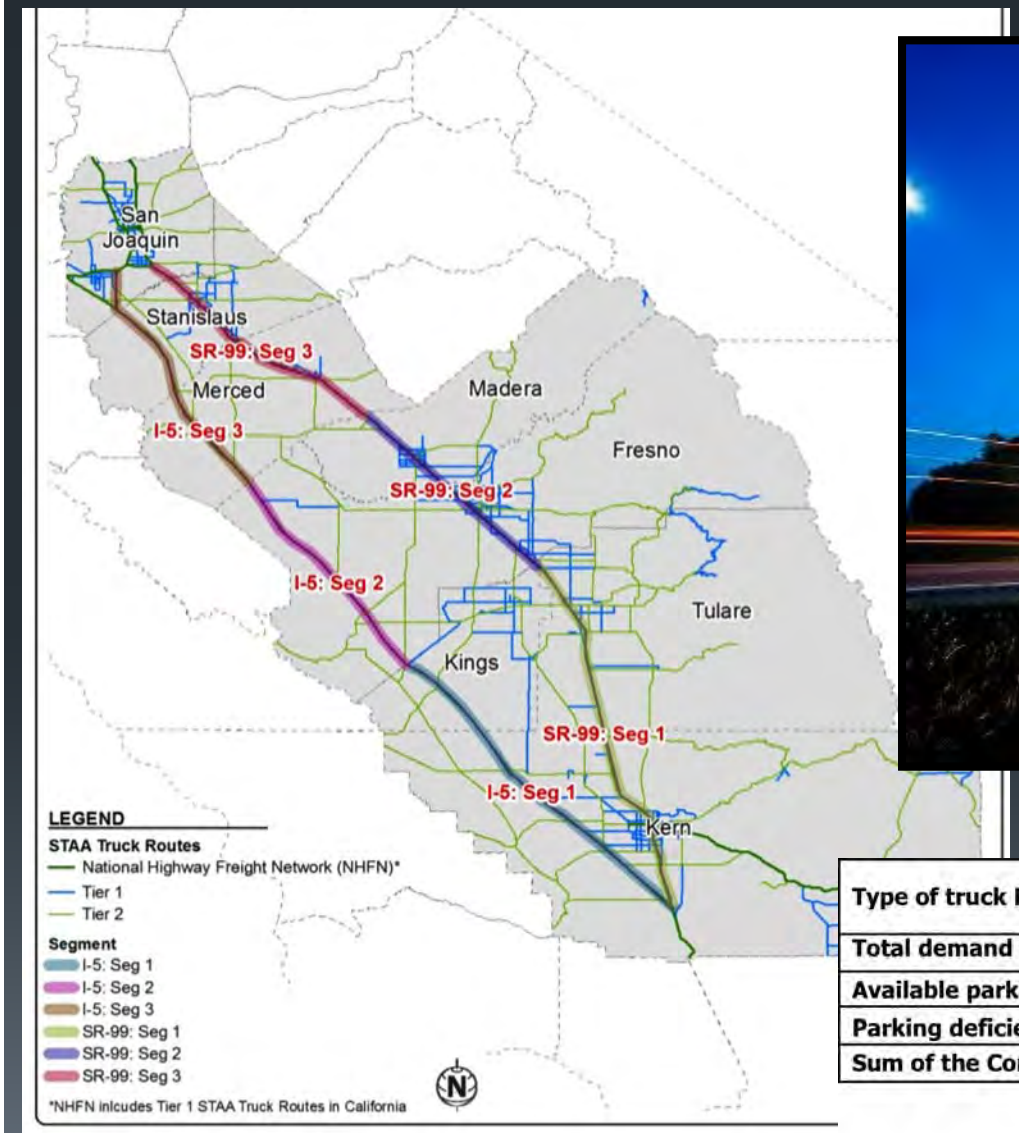


San Joaquin Valley Goods Movement Sustainable Implementation Plan

Commenced in 2015, Caltrans Partnership Planning Grant

- First and Last Mile Prioritization
- Truck Routing and Parking Needs
- Rural Priority Corridor Identification
- Goods Movement System Framework Development

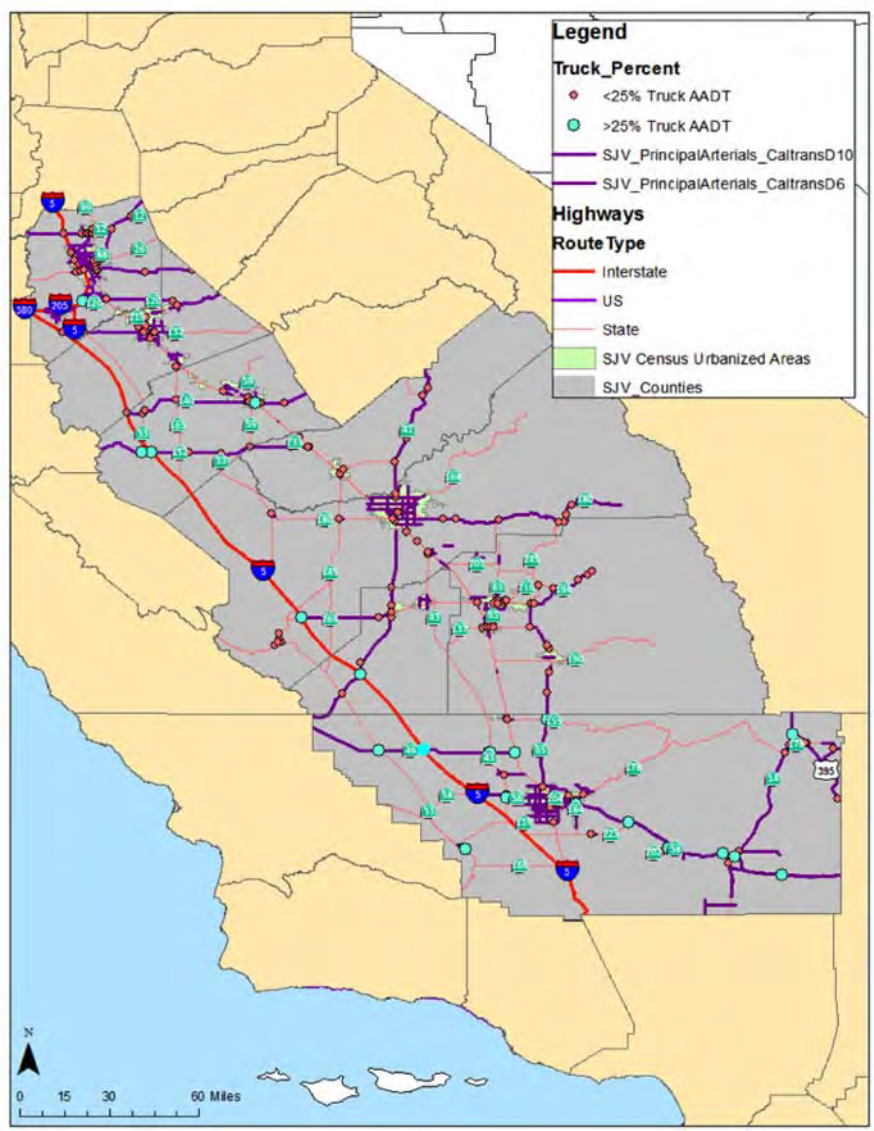
San Joaquin Valley Goods Movement Sustainable Implementation Plan



Type of truck Parking	I-5			SR 99		
	(1)	(2)	(3)	(1)	(2)	(3)
Total demand for truck parking	993	728	809	1027	567	845
Available parking spaces	1585	192	691	586	970	477
Parking deficiency	592	-536	-118	-441	403	-368
Sum of the Corridor		-61			-406	

San Joaquin Valley Goods Movement Sustainable Implementation Plan

Rural Corridor Analysis



Coordination With Other Plans

99 Business Plan & Prop. 1B

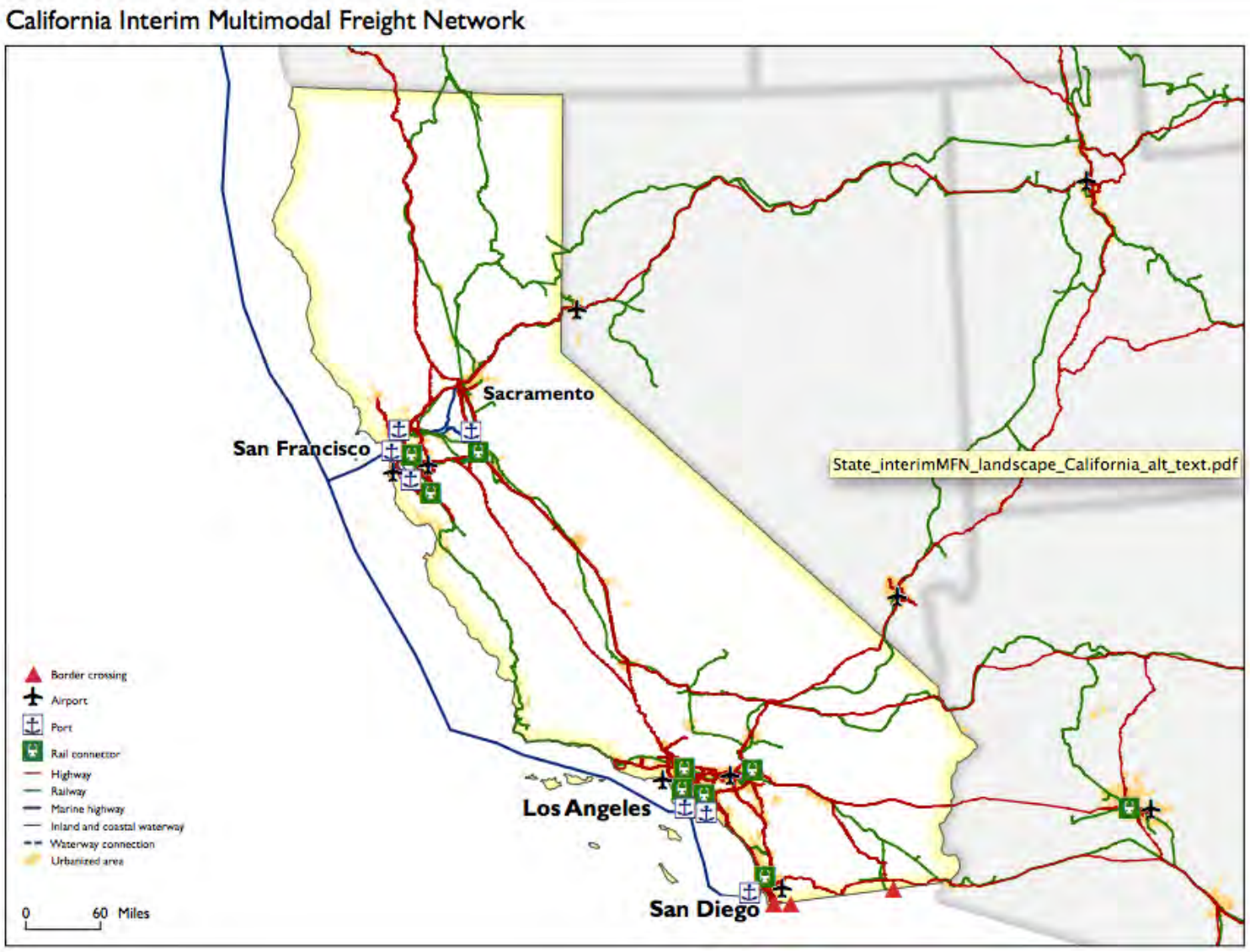
Figure 3.6
Status of Priority Category 2 Candidate Projects:
Major Capacity Increasing Improvements
(Capital Costs Greater than $8 million)

Coordination With Other Plans

National Primary Freight Network (DOT) - FAST Act

Coordination With Other Plans

National Multimodal Freight Network



Coordination With Other Plans

California Freight Mobility Plan

California Freight Advisory Committee

Coordination With Other Plans

California Sustainable Freight Action Plan

Coordination With Other Plans

California Interregional Strategic Plan (ITSP)

San Joaquin Valley Goods Movement Coordination

Thank You!