



**Proposed  
2018  
State Highway Operations and Protection Program  
(SHOPP)**

**2018 SHOPP Hearing  
February 28, 2018**

# Purpose of the SHOPP

- **Maintain and preserve** the State Highway System and its supporting infrastructure through the **rehabilitation and reconstruction** of the highway system and its supporting infrastructure through **capital construction projects** - “fix-it-first”
- **Emergency Repairs and Safety** remain the highest priority for SHOPP funding
- May not “add a new traffic lane to the system”

# MAP -21 of 2012

- National Goal to maintain the highway infrastructure asset system in a state of good repair, focused on bridge and pavement on the National Highway System
- Requires State Asset Management Plan
- Establishment of Performance Targets

# Senate Bill 486 of 2014

- Department prepare “robust” asset management plan no later than 2020 SHOPP
- Commission adopt targets and performance measures
- Commission review and approve asset management plan
- Department prepare SHOPP for major capital improvements that are necessary to preserve and protect the SHS.
- Limited to capital improvements relative to maintenance, safety and rehabilitation of state highway and bridges that do not add a new traffic lane to the system
- Commission adopt the SHOPP
- May decline to adopt if the not sufficiently consistent with the asset management plan

# Road Repair and Accountability Act of 2017 of Senate Bill 1 (SB 1)

- Significant increase in funding, approximately \$1.6 billion in additional annual funding for the SHOPP
- Enhanced Transparency and Accountability
- Transportation Asset Management Plan TAMP - focuses on four asset classes: pavement, bridge, culverts, TMS elements
- Achieve SB 1, Commission-adopted and federal performance targets
- Achieve SB 1 targets by 2027

# SB1 Performance Outcome Targets

- Pavement – not less than 98% in good or fair  
– not less than 90% level of service achieved for maintenance of potholes, spalls, and cracks
- Culverts – not less than 90% in good or fair
- TMS Units – not less than 90% in good
- Fix not less than an additional 500 bridges

# 2018 SHOPP Basics

- Covers fiscal years 2018-19 through 2021-22
- Fiscally constrained to the 2018 Fund Estimate
- 2018 SHOPP contains 998 projects at a total investment of \$17.96 billion (2016 SHOPP was \$9.7 B)
- Consistent with the 2017 State Highway System Management Plan (SHSMP), previously known as the Ten-Year SHOPP Plan
- Consistent with the 2018 Transportation Asset Management Plan (TAMP)

# Assets vs Objectives

- Assets are physical things that can be constructed
- Outcomes are the reason or objective for assets to exist but are not the assets themselves
- SB1 SHOPP funding invests in repairing and preserving existing assets, particularly pavement, bridge, culverts and TMS
- System expansion funding is addressed through SB1 competitive programs, ITIP & RIP, measure \$, other federal funds



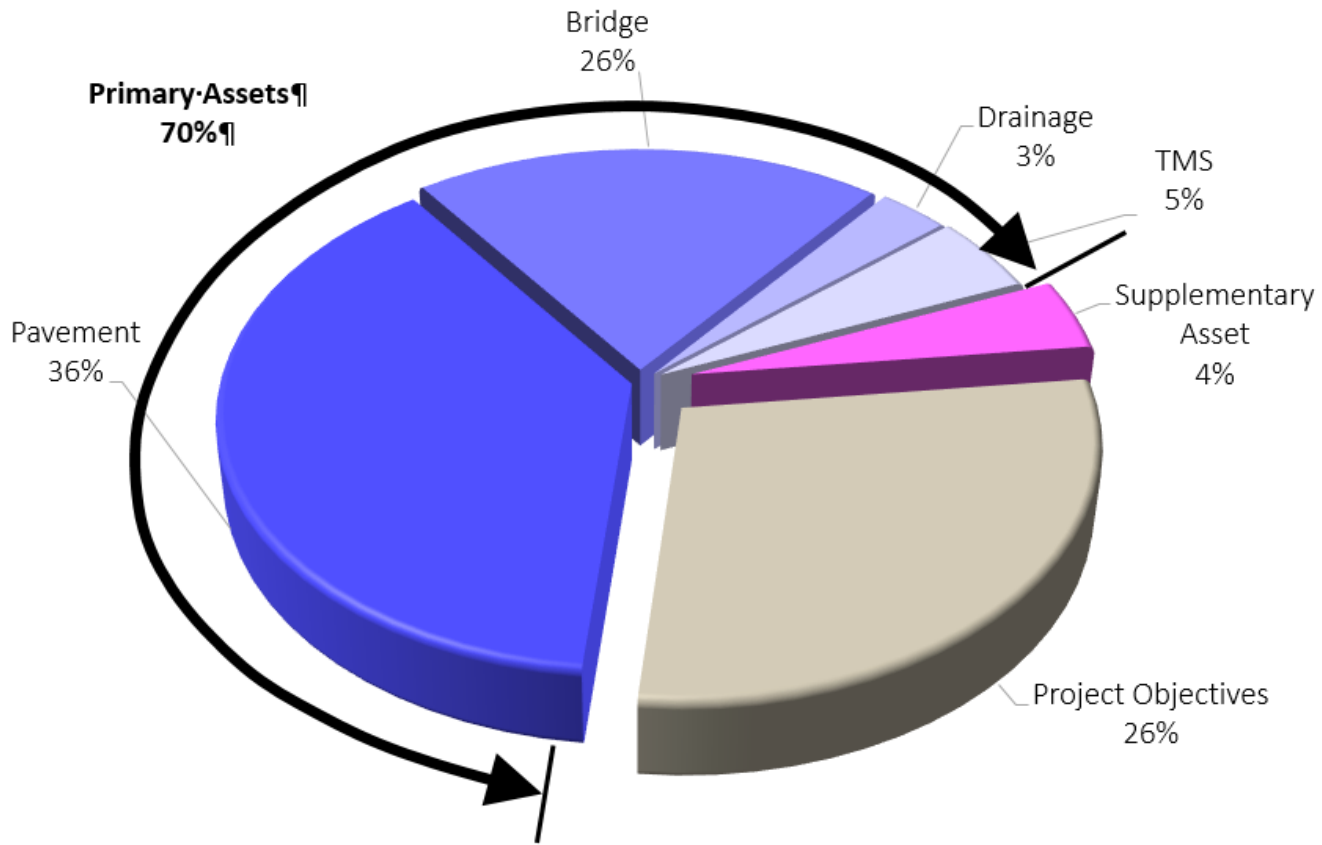
# Operations, the “O” in SHOPP

- Slow vehicle lanes such as truck climbing lanes
- Auxiliary lanes for merging, weaving, or acceleration
- Intersection modifications, signals, turn pockets, or roundabouts
- Shoulder widening
- Two-way left turn lanes
- TMS Elements such as vehicle detection, ramp meters, message signs, traffic counters, and weather information systems

# SHOPP Cycles Overlap

	2015	2016	2017	2018	2019	2020	2021	2022	2023
2016 SHOPP									
		SHOPP	SHOPP	SHOPP	SHOPP				
2018 SHOPP				↓	↓				
	Transition to Asset Management			SHOPP	SHOPP	SHOPP	SHOPP		
2020 SHOPP						↓	↓		
				Robust Asset Management		SHOPP	SHOPP	SHOPP	SHOPP
2022 SHOPP								↓	↓
								SHOPP	SHOPP

# Program Category Relative Spending



# Assets Repaired



5,576 lane-  
miles of  
pavement  
improved



494 bridges  
rehabilitated

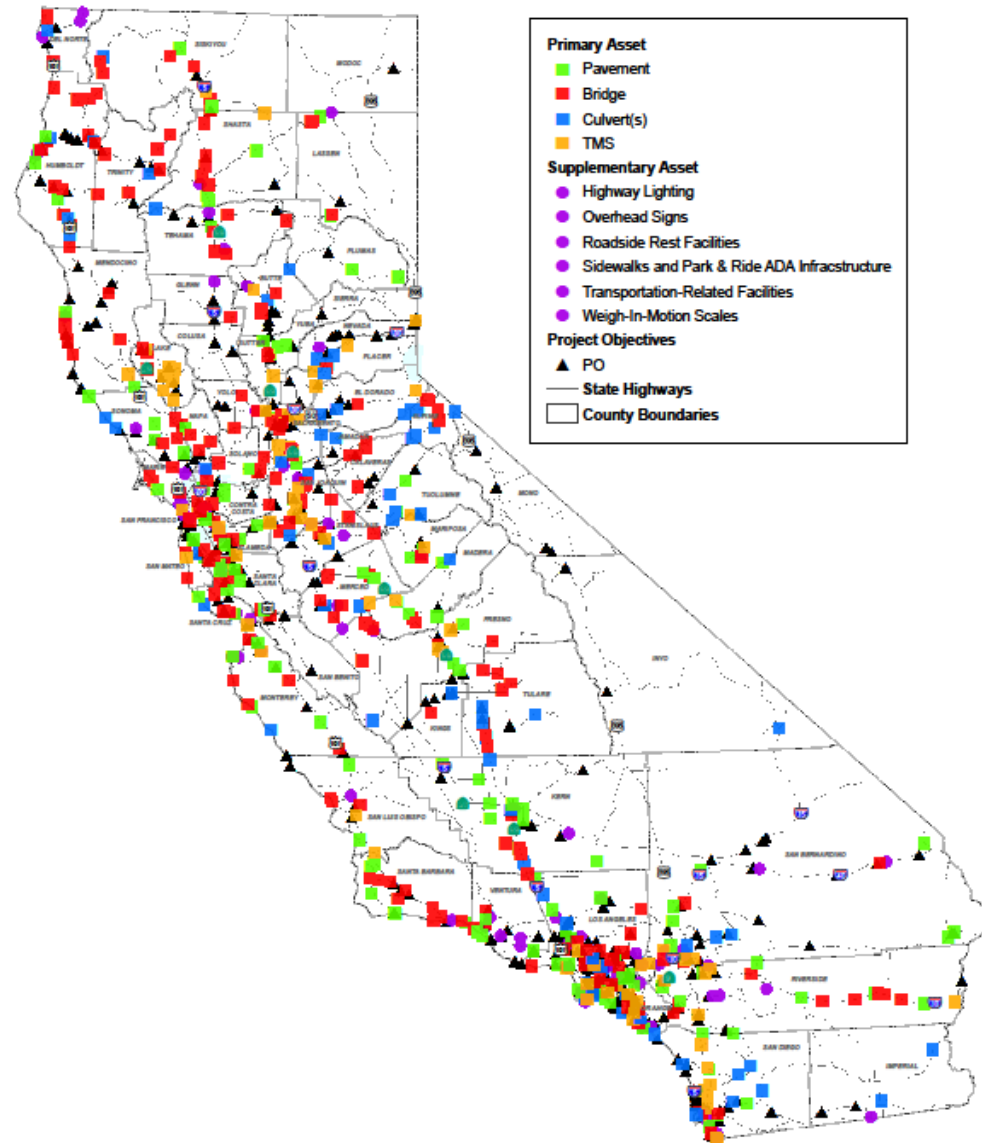


4,334 culverts  
rehabilitated

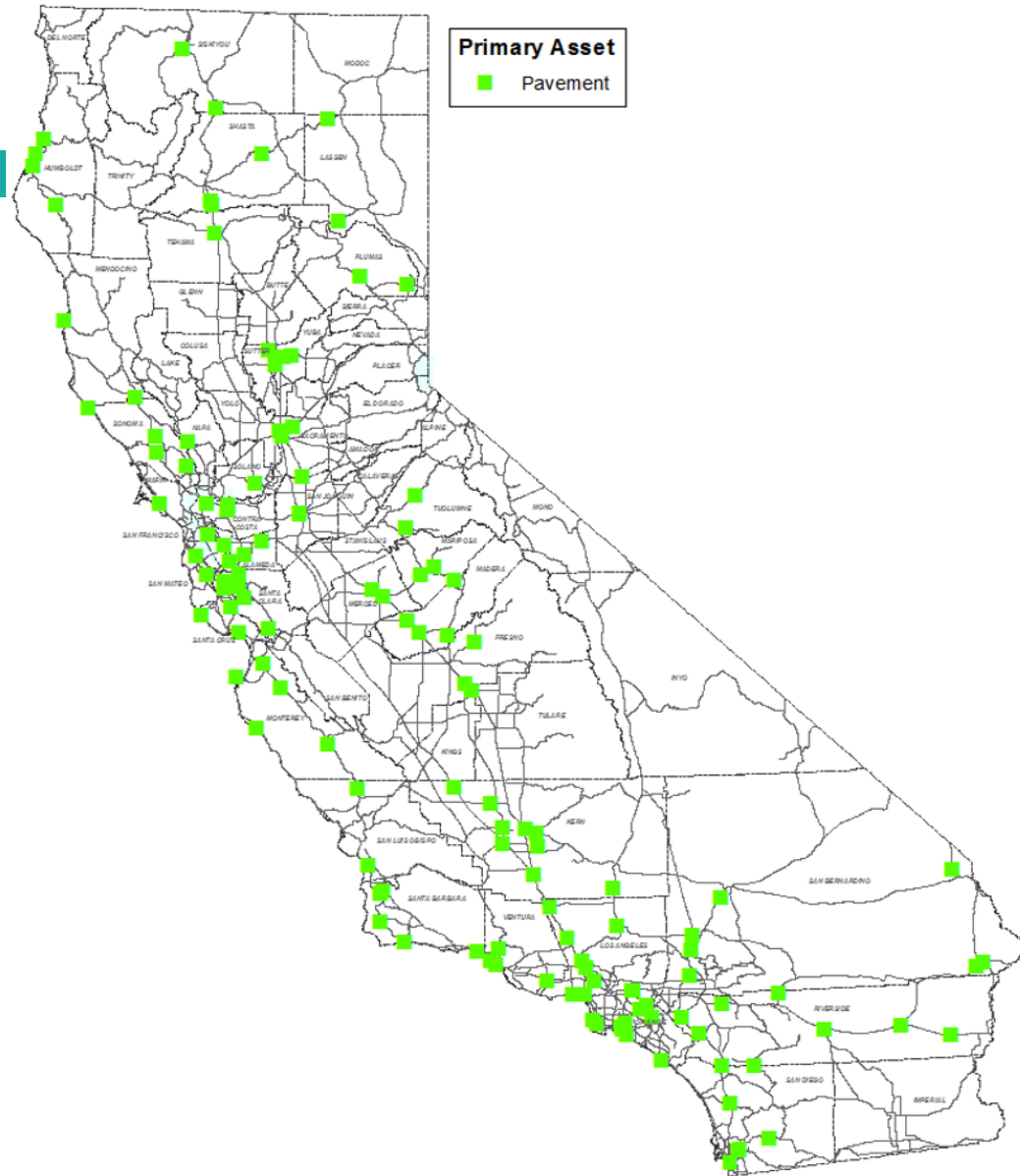


5,638 field  
elements  
addressed

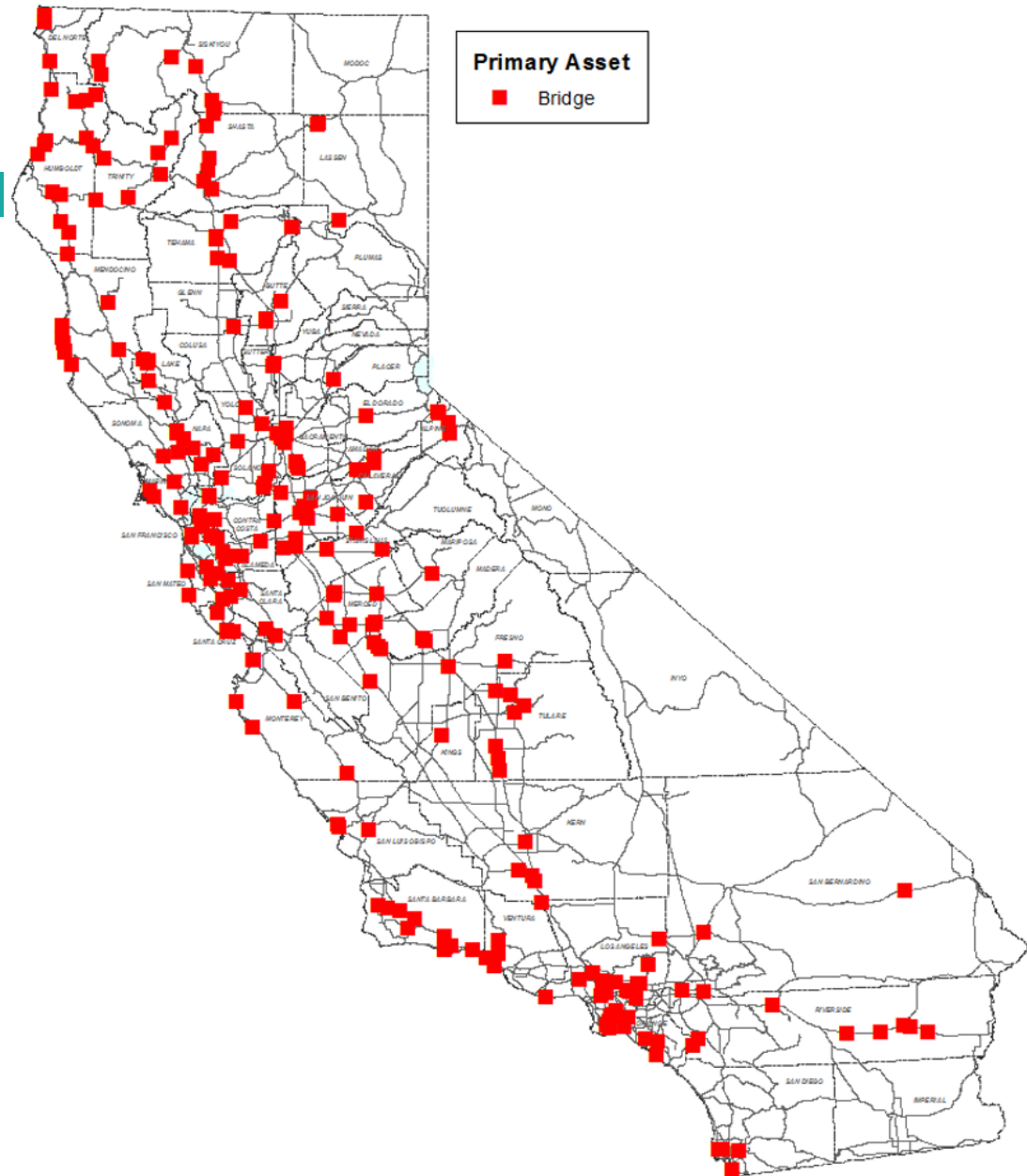
# All Assets



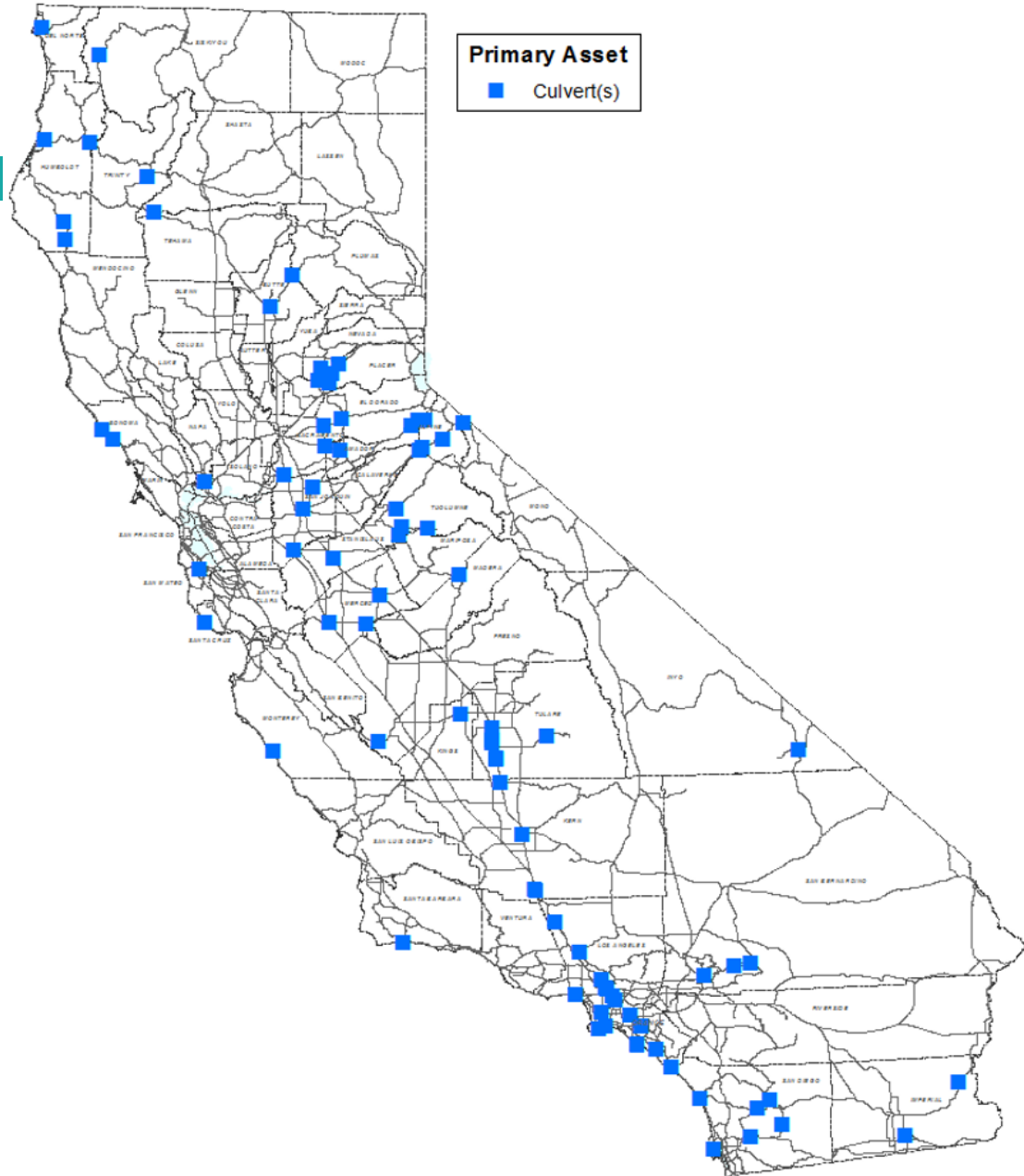
# Pavement



# Bridge

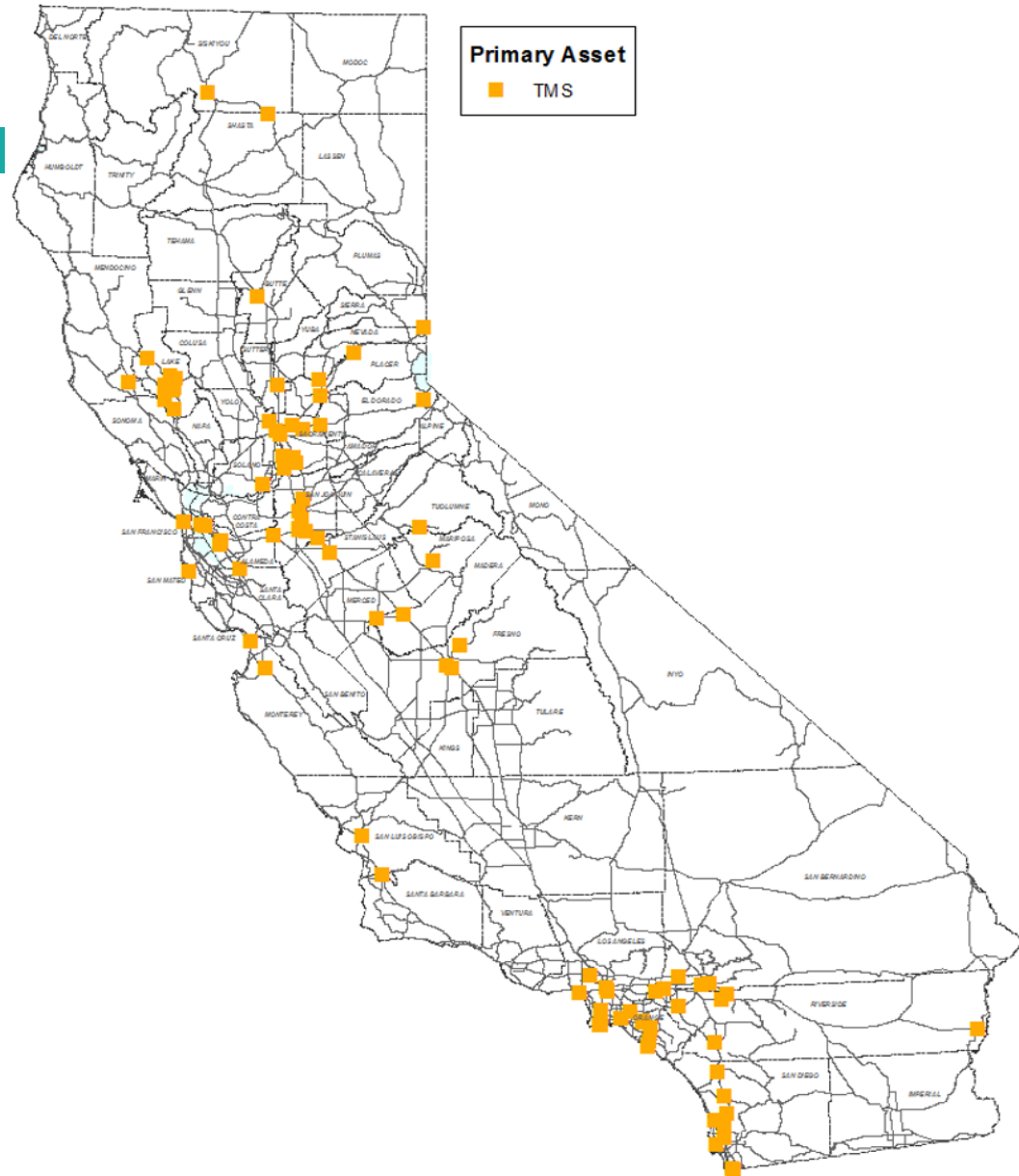


# Culverts

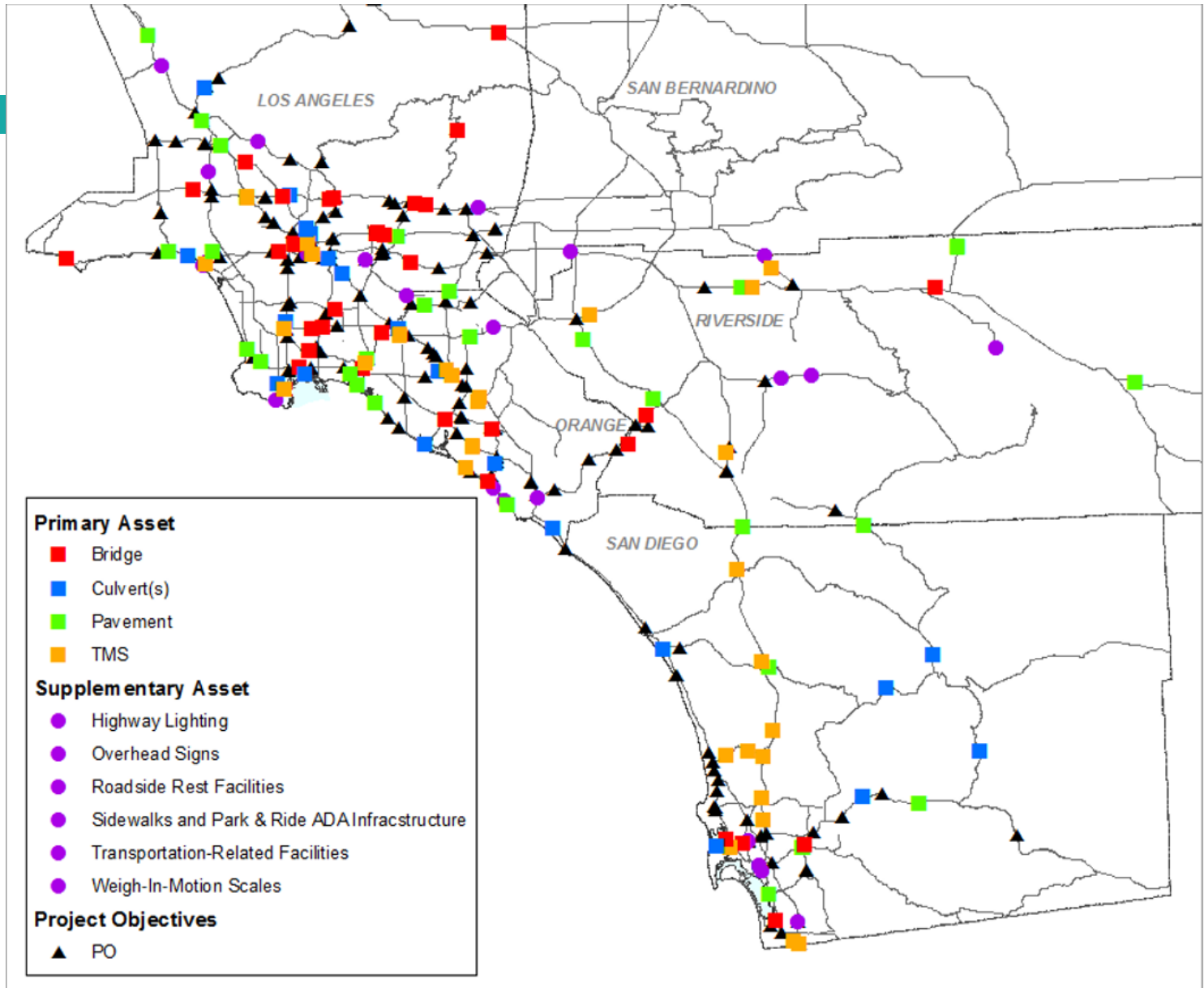




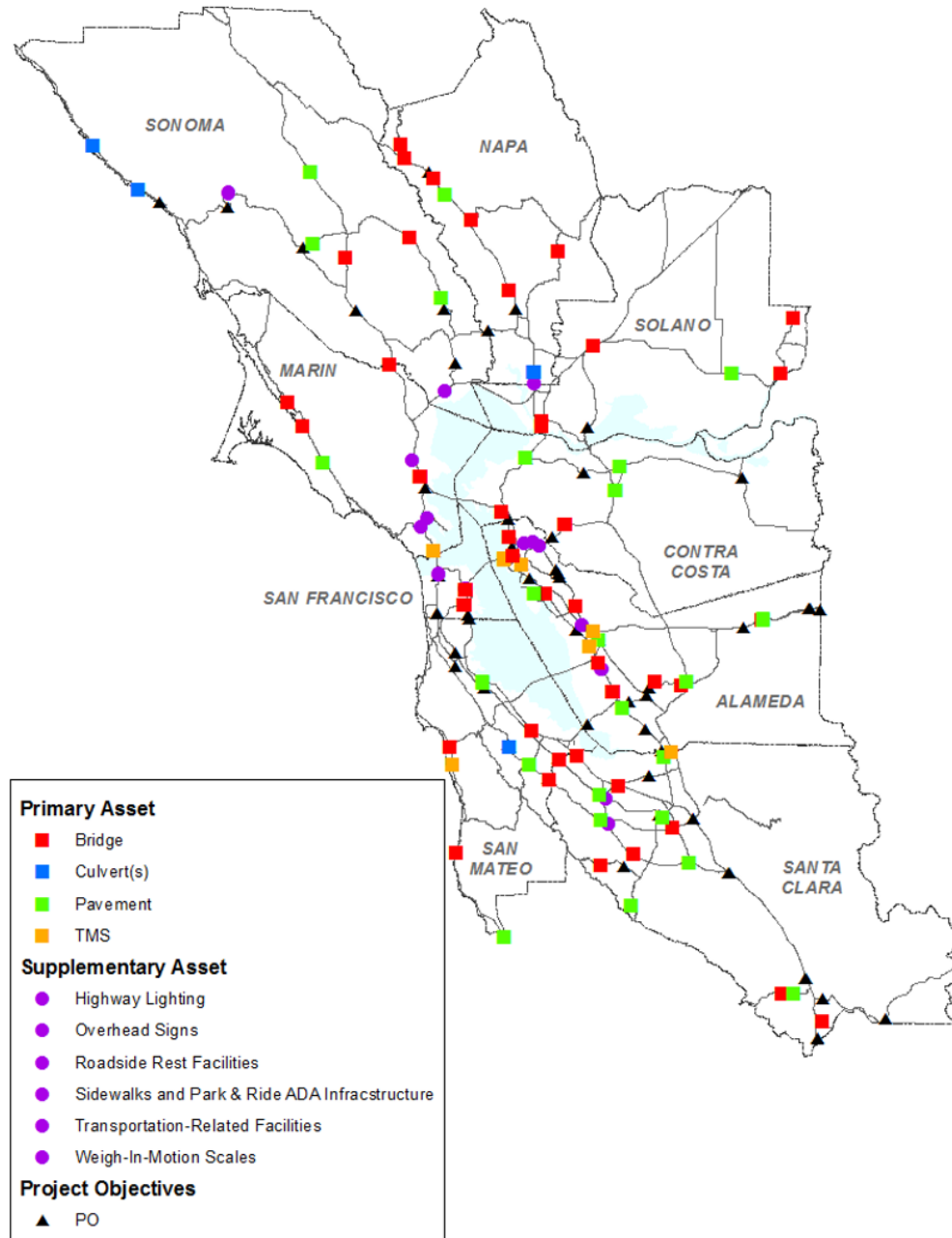
# TMS



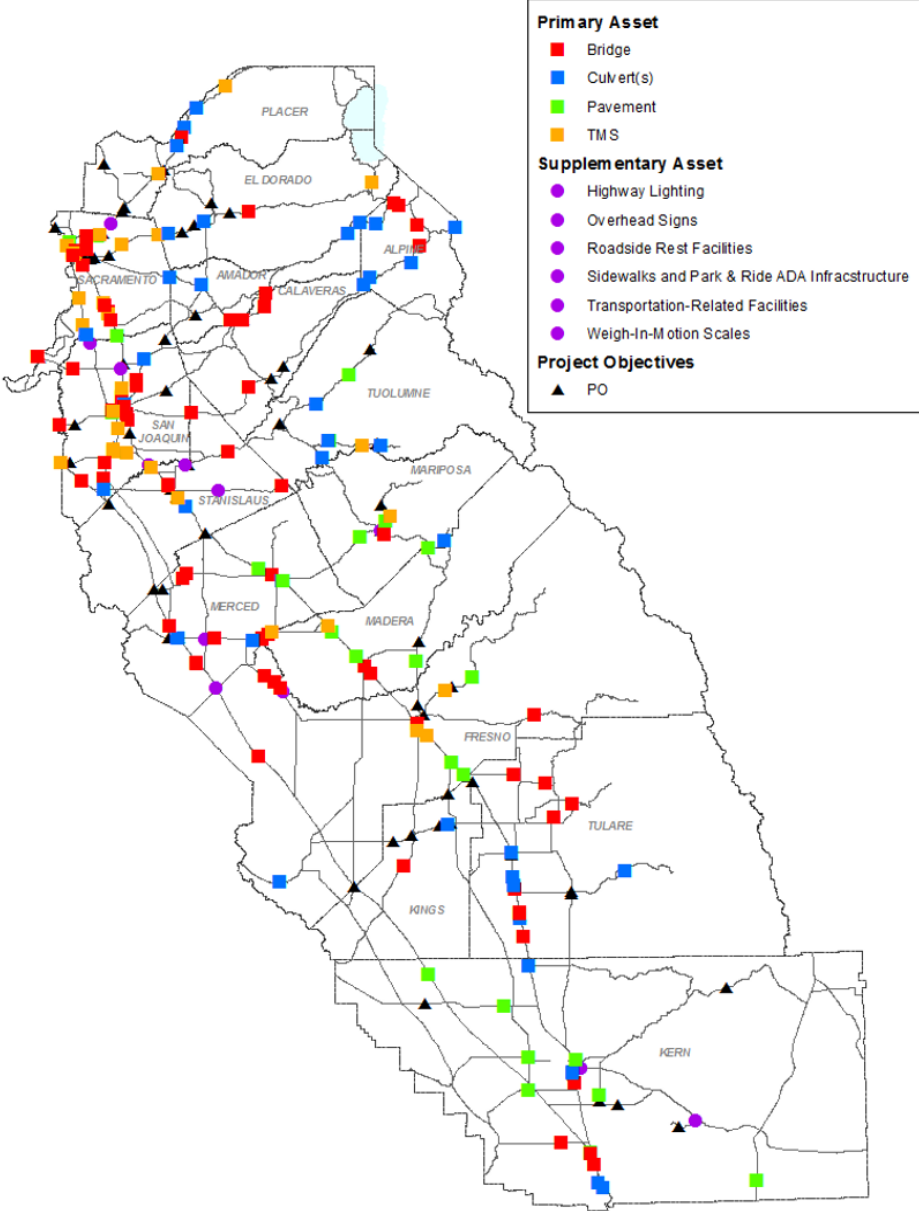
# So Cal



# Bay Area



# San Joaquin Valley





Thank You