



TAB 65

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

**2018 SHOPP Hearing
March 22, 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

- Maintain National Highway System assets in a state of good repair, focused on bridge and pavement
- Two and four-year Performance Targets
- Requires State Asset Management Plans
- California's plan has been "certified" by FHWA; the first asset management plan in the nation to meet the new federal requirements

Senate Bill 486 of 2014

- Department prepares a “robust” asset management plan no later than the 2020 SHOPP
- Commission adopts targets and performance measures
- Commission reviews and approves asset management plan
- Department prepares SHOPP for major capital improvements that are necessary to preserve and protect the SHS.

Senate Bill 486 continued

- 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 adopts the SHOPP
- May decline to adopt the SHOPP if it is not sufficiently consistent with the asset management plan

Road Repair and Accountability Act of 2017 of Senate Bill 1 (SB1)

- Significant increase in funding, approximately \$1.6 billion in additional annual funding for the 2018 SHOPP
- Enhanced Transparency and Accountability
- Transportation Asset Management Plan TAMP - focuses on four asset classes: pavement, bridge, culverts, TMS elements
- Achieve Commission-adopted and federal performance targets
- Achieve SB1 targets by 2027

SB1 Performance Targets

- Pavement – not less than 98% in good or fair
- 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 approximately 1,000 projects at a total investment of \$17.96 billion, a \$7.9 billion increase over the 2016 SHOPP
- 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
- Objectives or outcomes are the reason for assets to exist but are not the assets themselves
- SB1 SHOPP funding invests in repairing and preserving existing assets
- System expansion objectives are funded through SB1 competitive programs, ITIP & RIP, measure \$, federal and other non-SHOPP funds

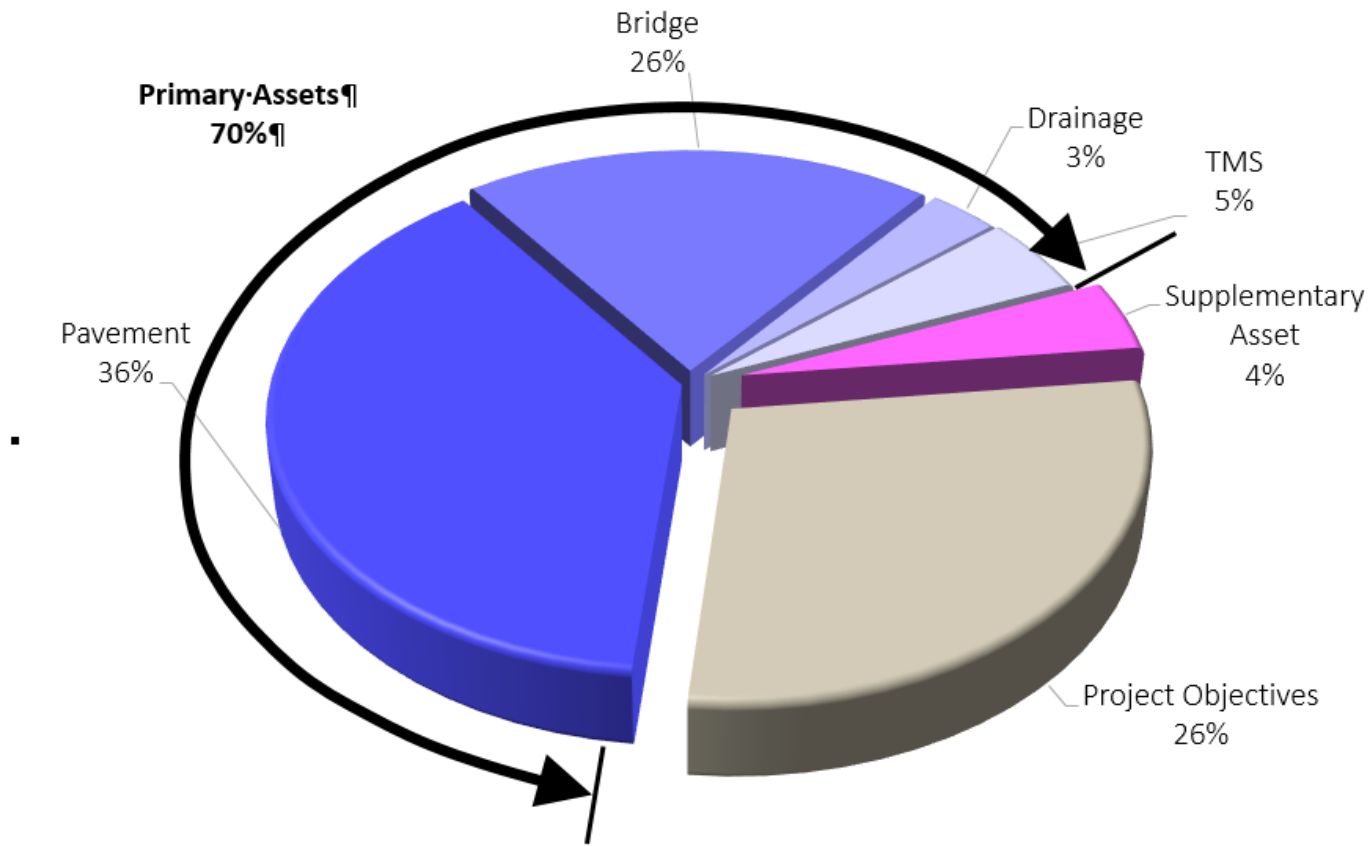
Operations, the “O” in SHOPP

- 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

Project Investments by Asset Class



Assets Repaired



5,576 lane-
miles of
pavement
improved



494 bridges
rehabilitated

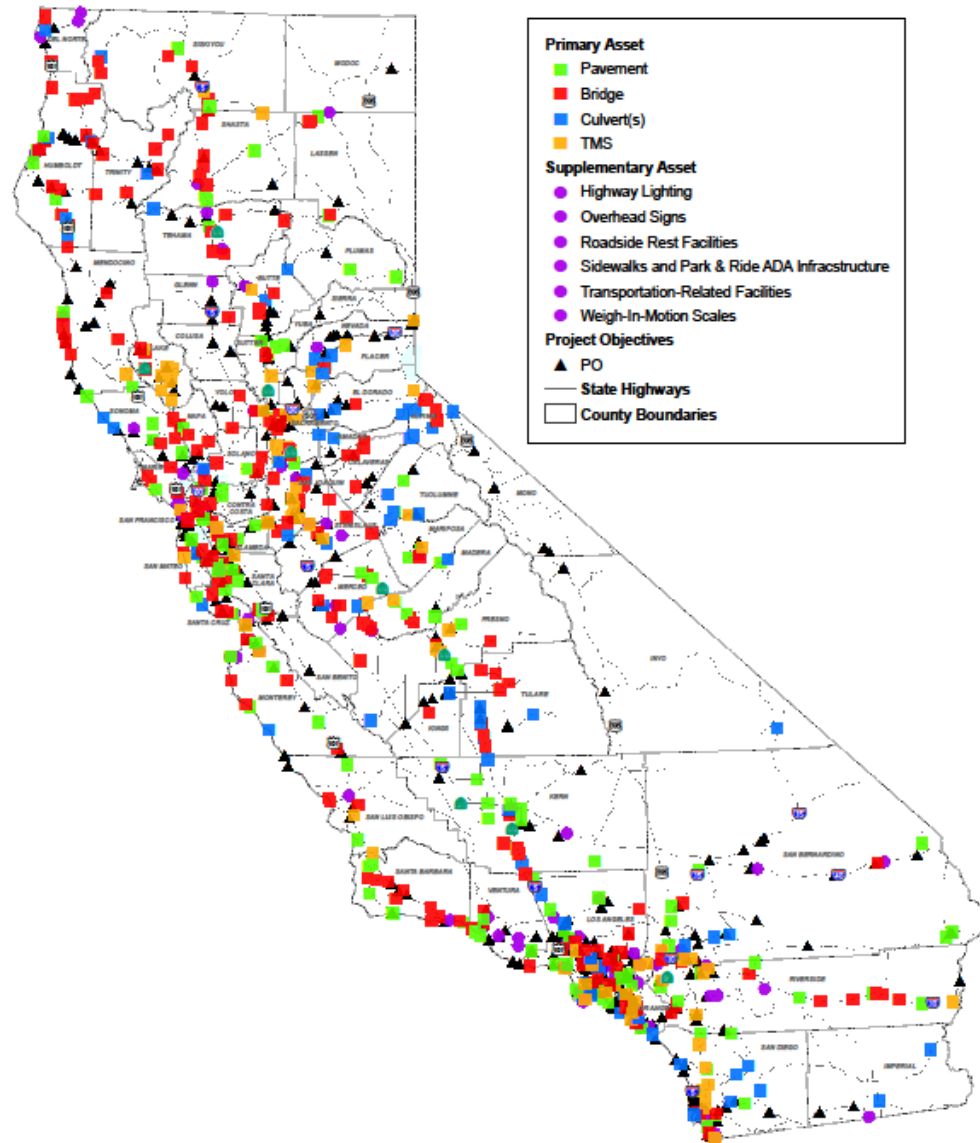


4,334 culverts
rehabilitated

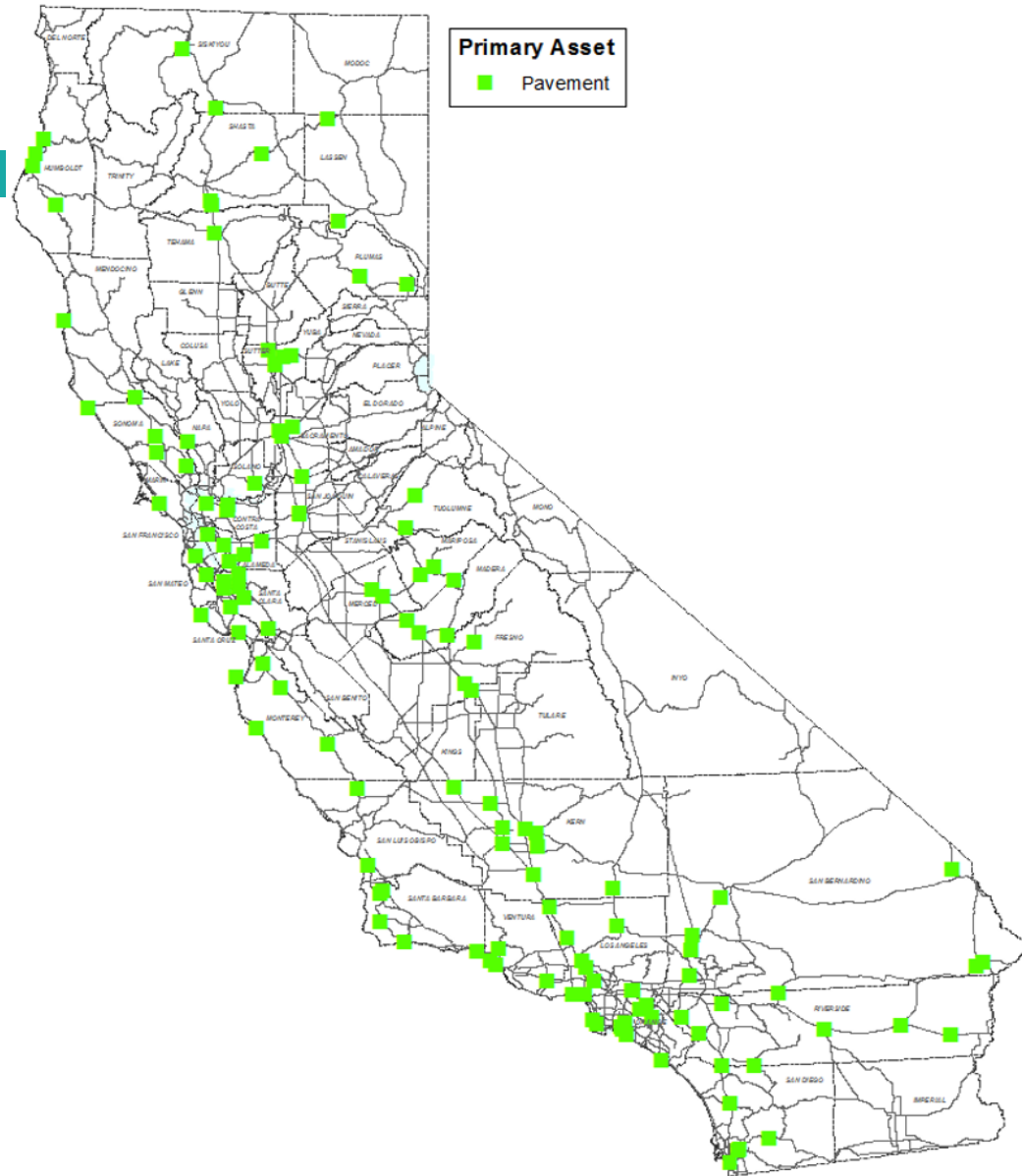


5,638 field
elements
addressed

All Assets



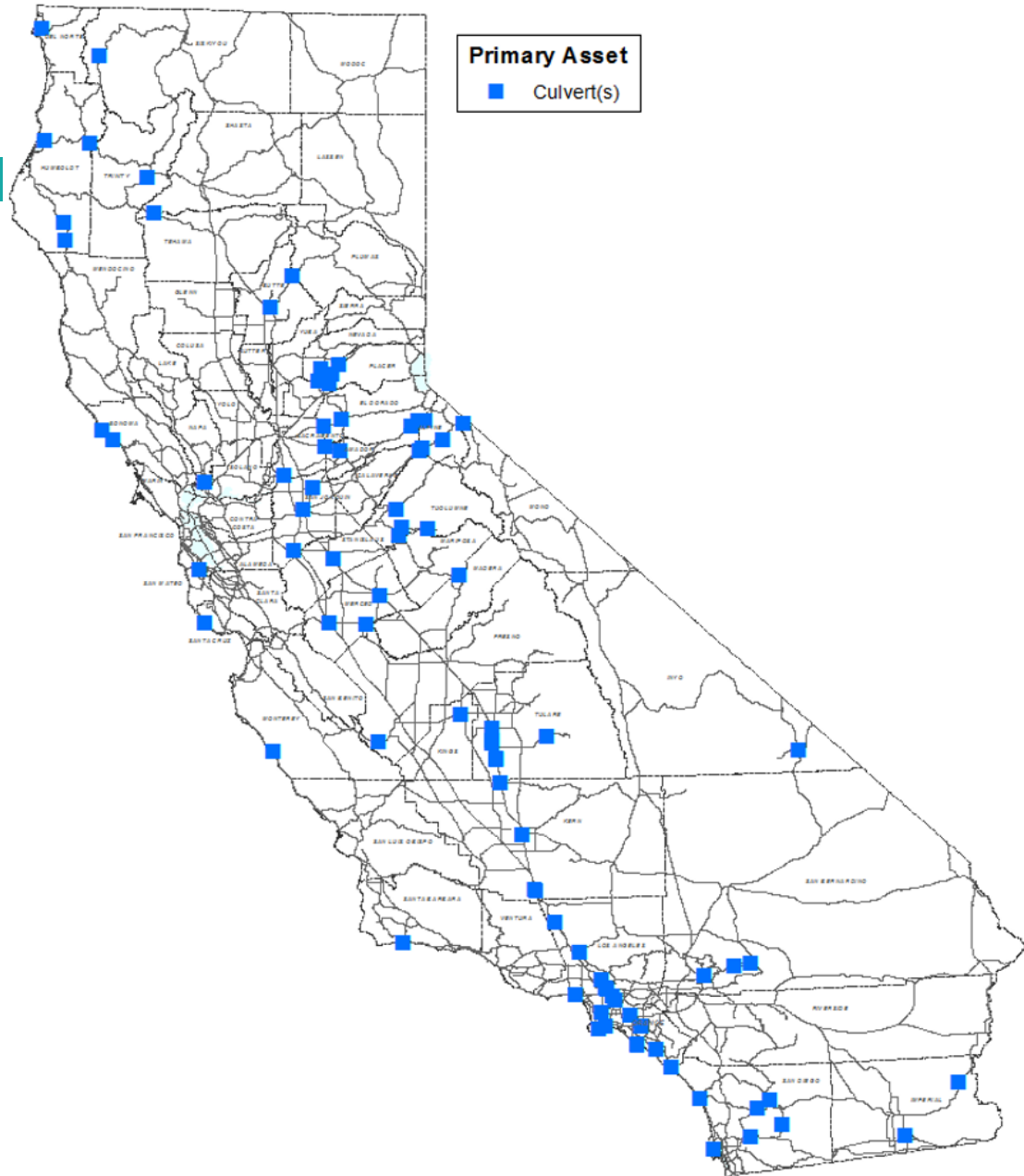
Pavement



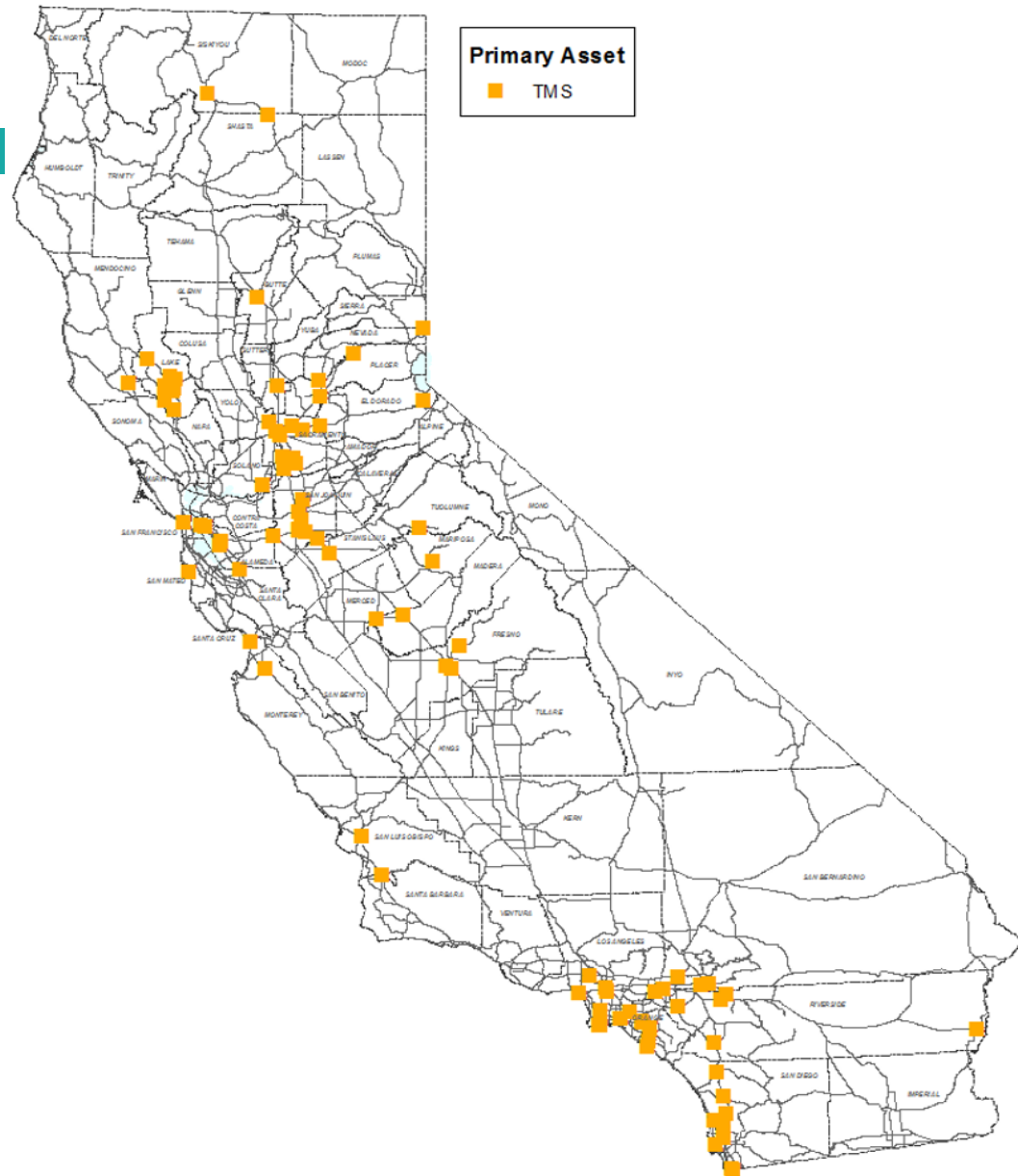
Category	Percentage
Blue	10%
Teal	90%



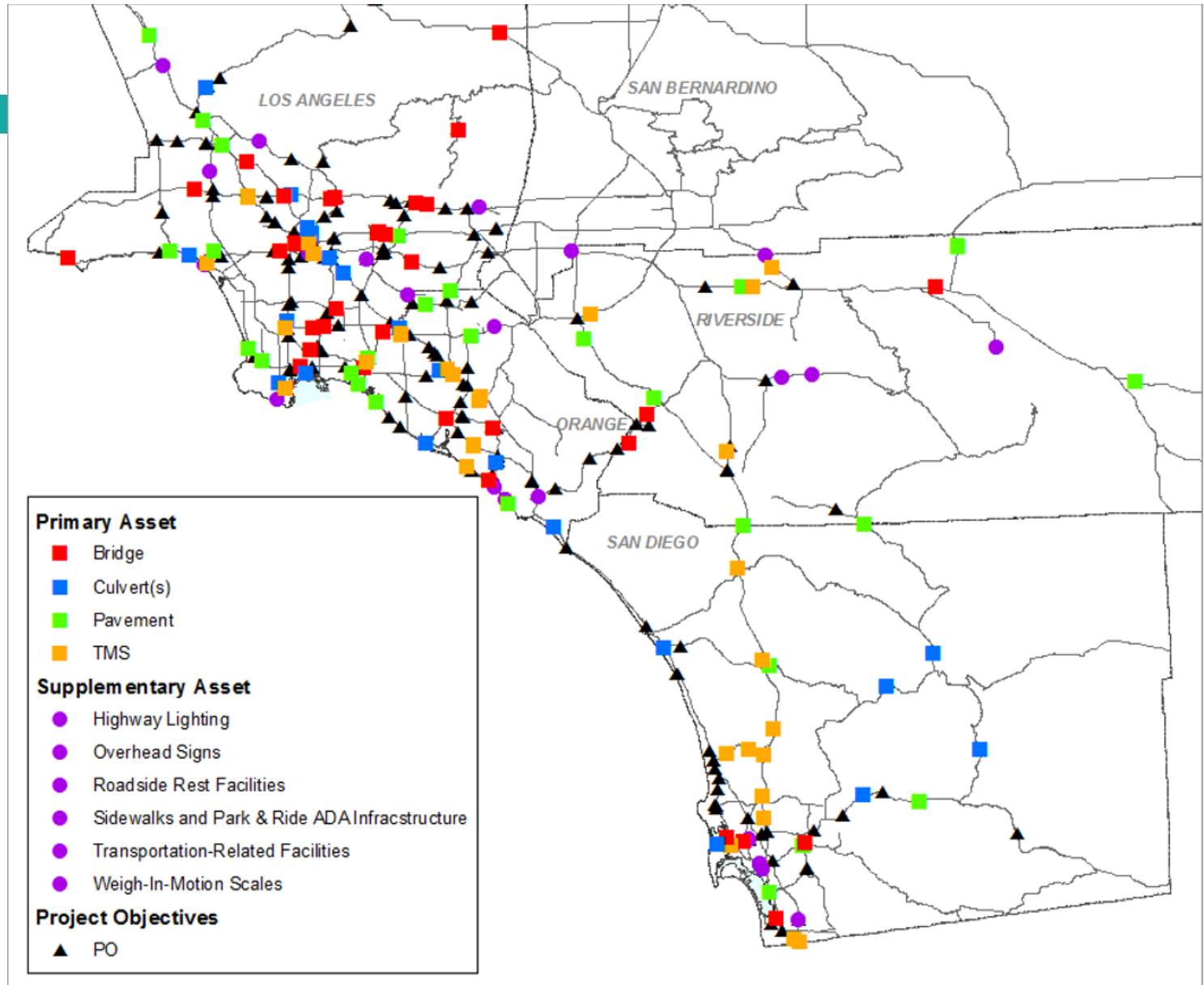
Culverts



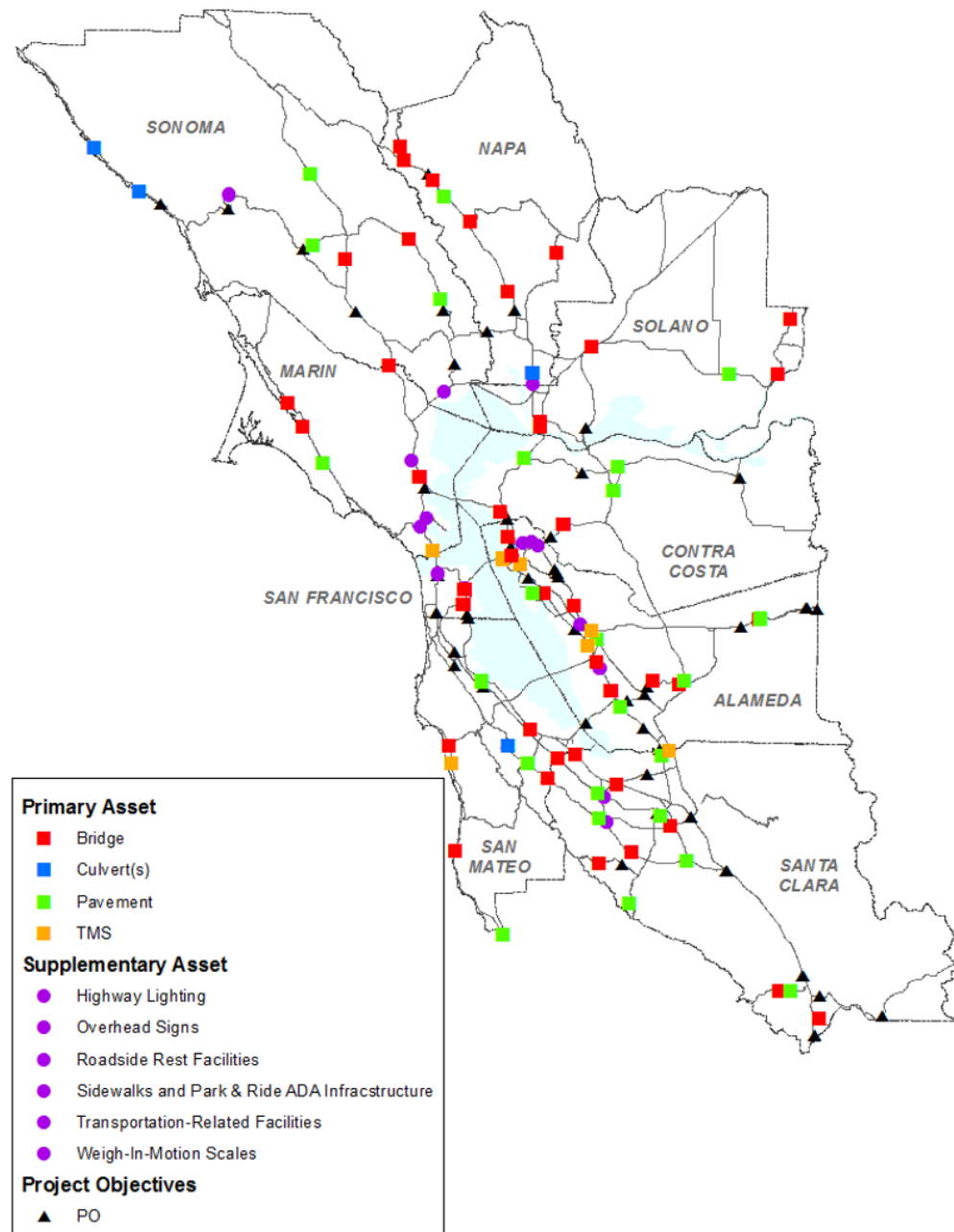
TMS



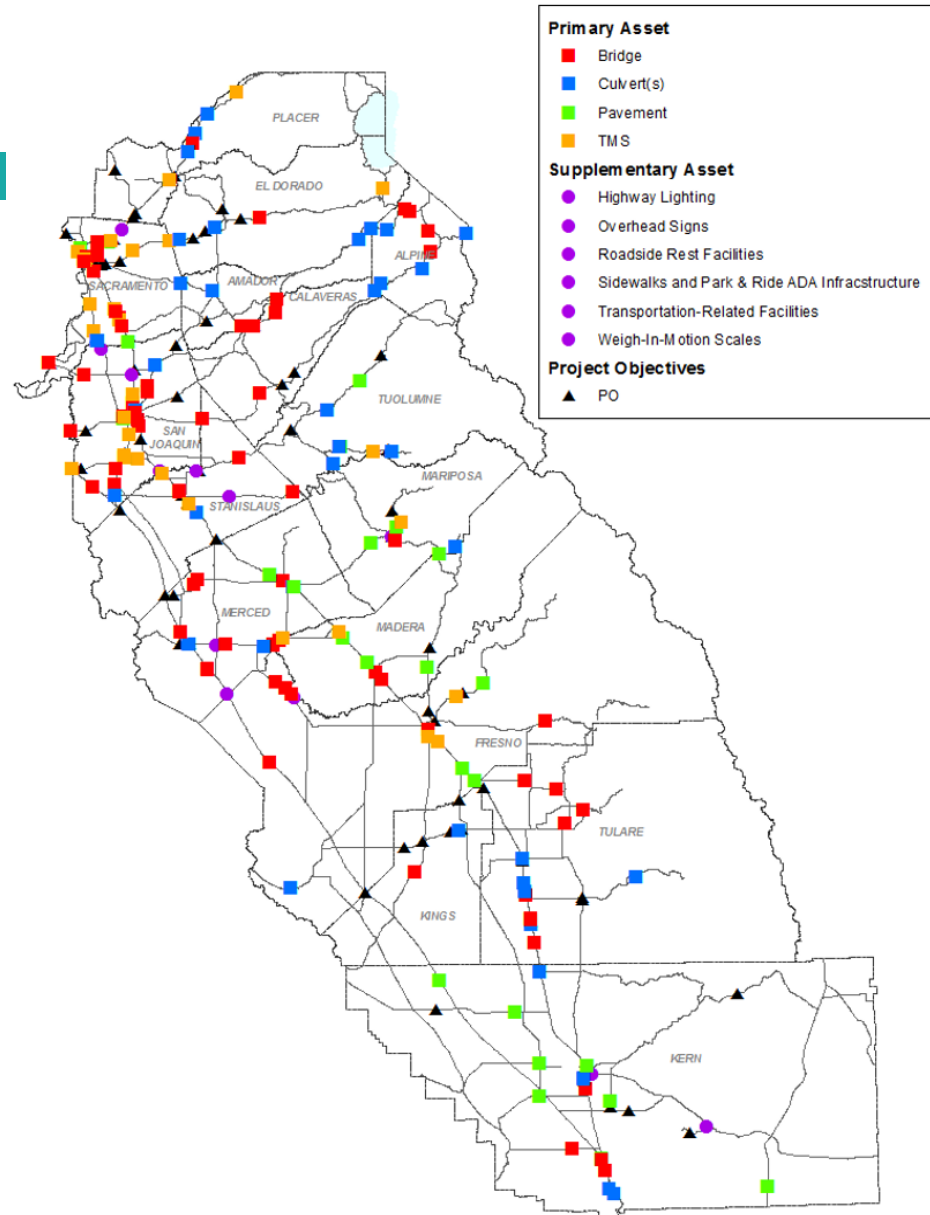
So Cal



Bay Area



San Joaquin Valley





Thank You