



California Statewide Local Streets & Roads Needs Assessment 2016 Update

California Transportation Commission

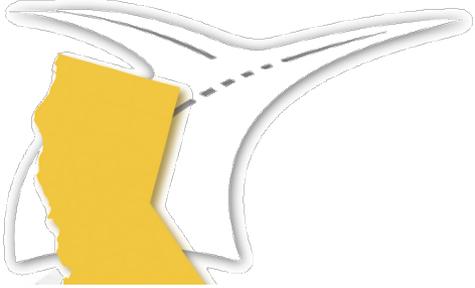
Sacramento, CA

January 18, 2017



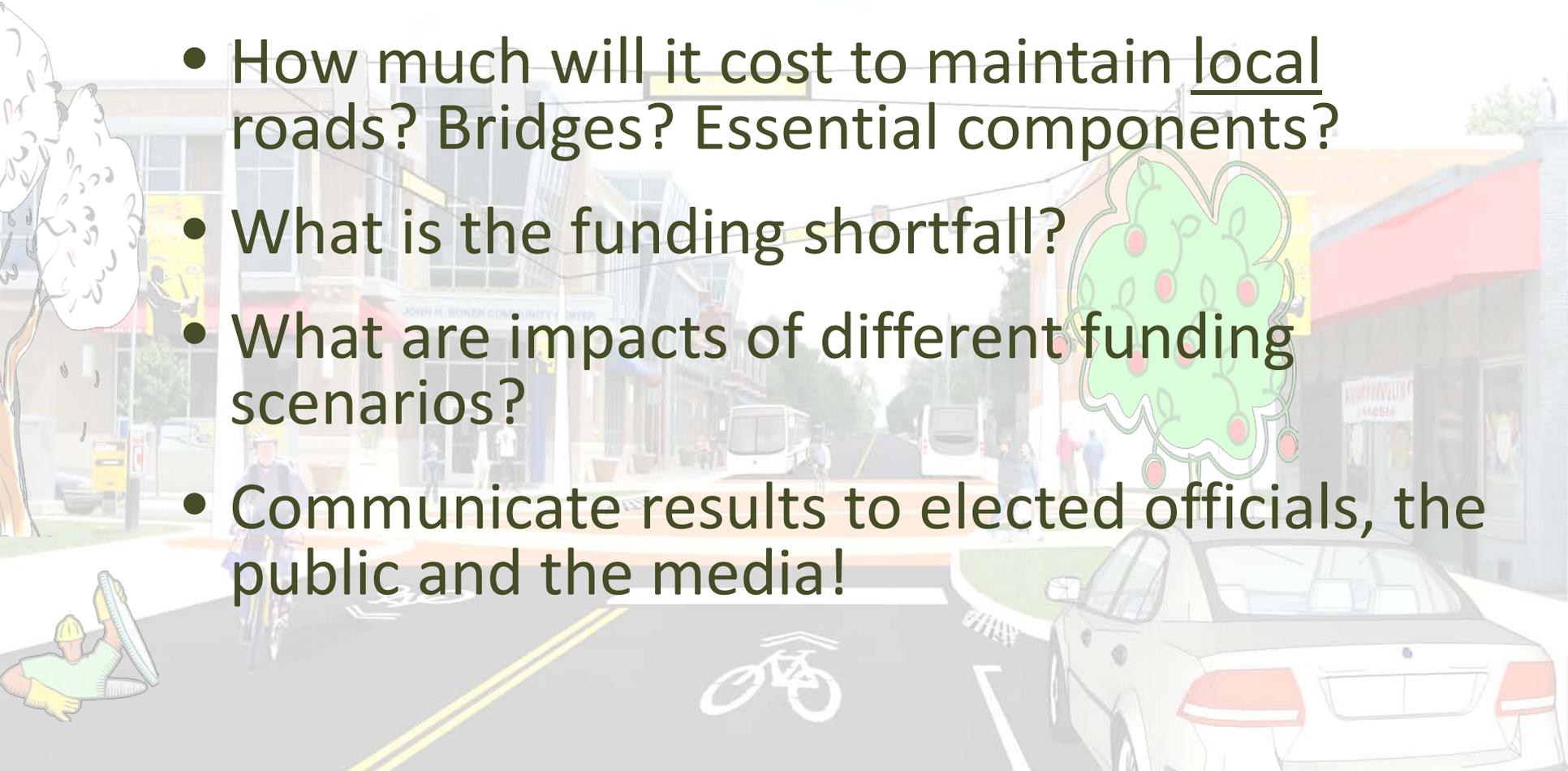
RTPA
RCTF





Project Objectives

- What are pavement conditions statewide?
- How much will it cost to maintain local roads? Bridges? Essential components?
- What is the funding shortfall?
- What are impacts of different funding scenarios?
- Communicate results to elected officials, the public and the media!



Statewide Updates (2008-2016)

Final Report

CSAC LEAGUE OF CALIFORNIA CITIES

California Statewide Local Streets and Roads Needs Assessment

Nichols Consulting Engineers, Chfd.
Engineering & Environmental Services
501 Canal Blvd, Suite 1, Pt. Richmond, CA 94804
(510) 215-3620 Phone / (510) 215-0893 Fax

October 30, 2009

2008

www

www.SaveCaliforniaStreets.org

Draft Report

California Statewide Local Streets and Roads Needs Assessment

Sponsored by

LEAGUE OF CALIFORNIA CITIES Rural Counties Task Force
Regional Transportation Planning Agencies

October 2016

Prepared by

NCE
501 Canal Boulevard, Suite 1
Point Richmond, CA 94804
Phone: 510.215.3620

SAVE CALIFORNIA STREETS

California Local Streets & Roads Needs Assessment 2014 Update

October 2014

Prepared By:

NCE

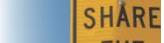
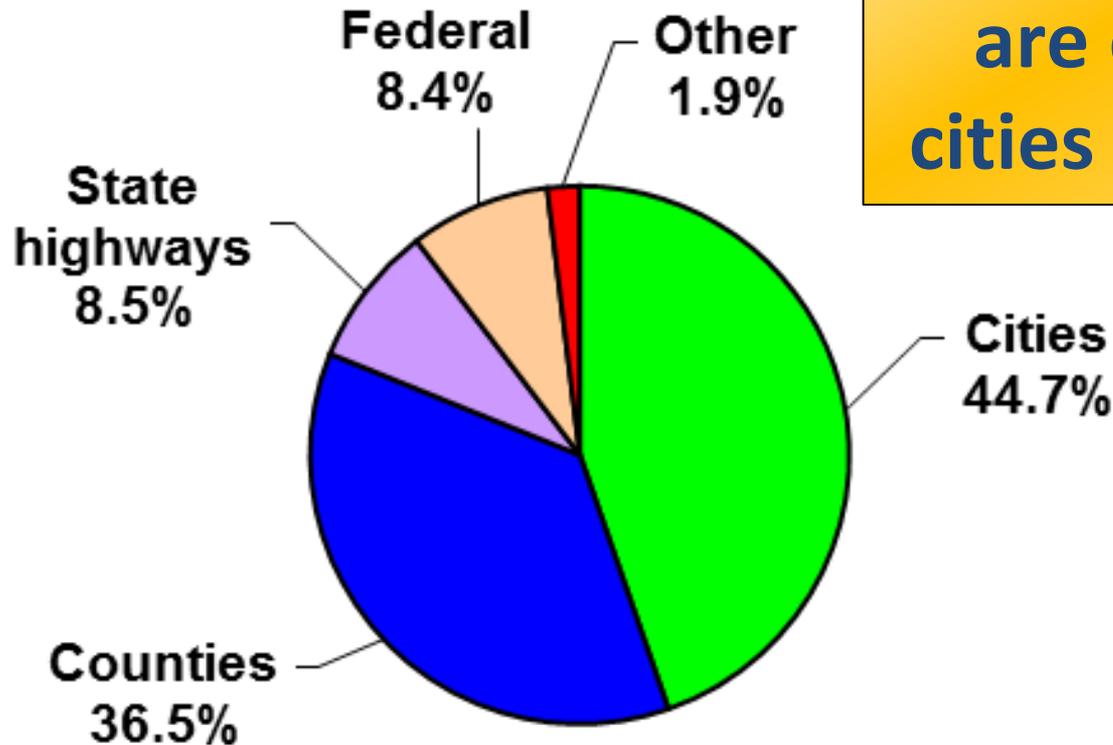
2014

rg

NCE

Local Roads Are A Huge Part of California's Network

More than 81% of California's roads are owned by cities & counties!



Pavements





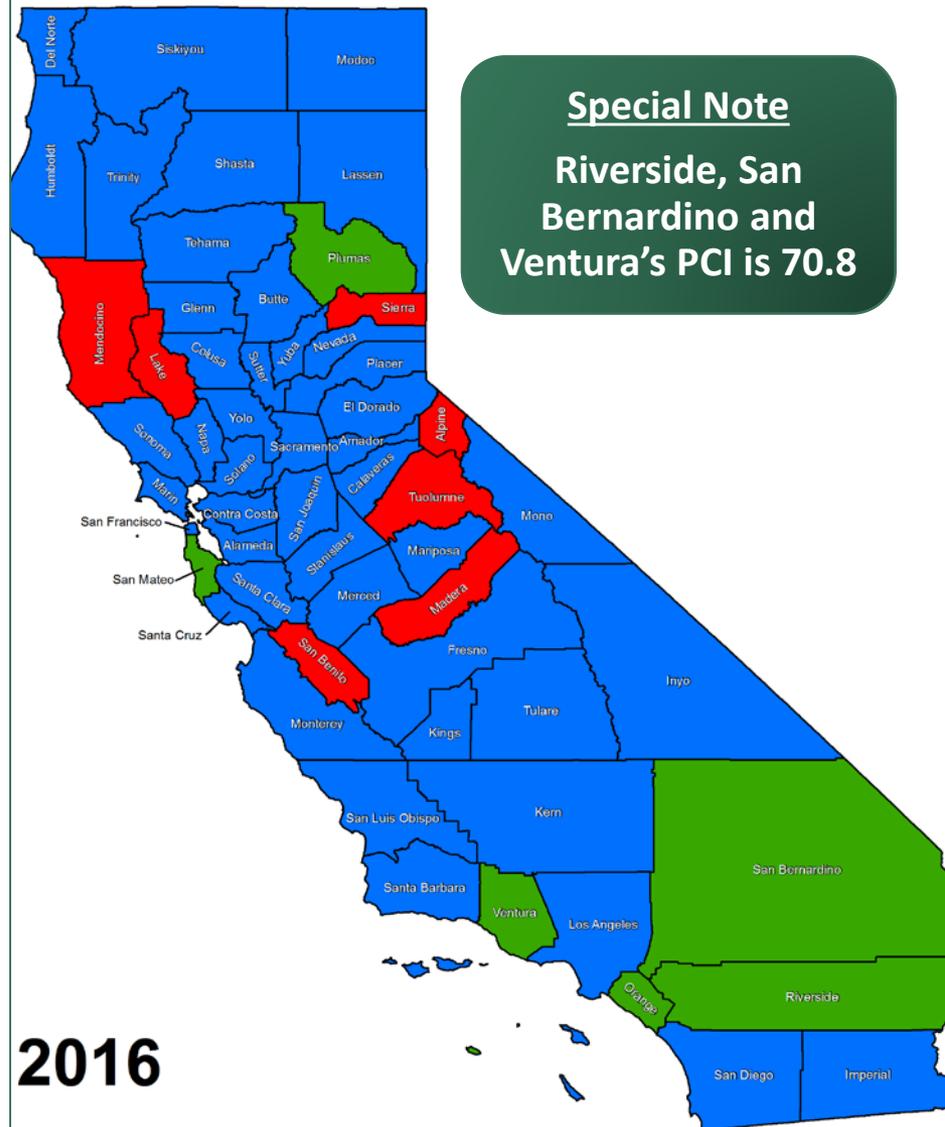
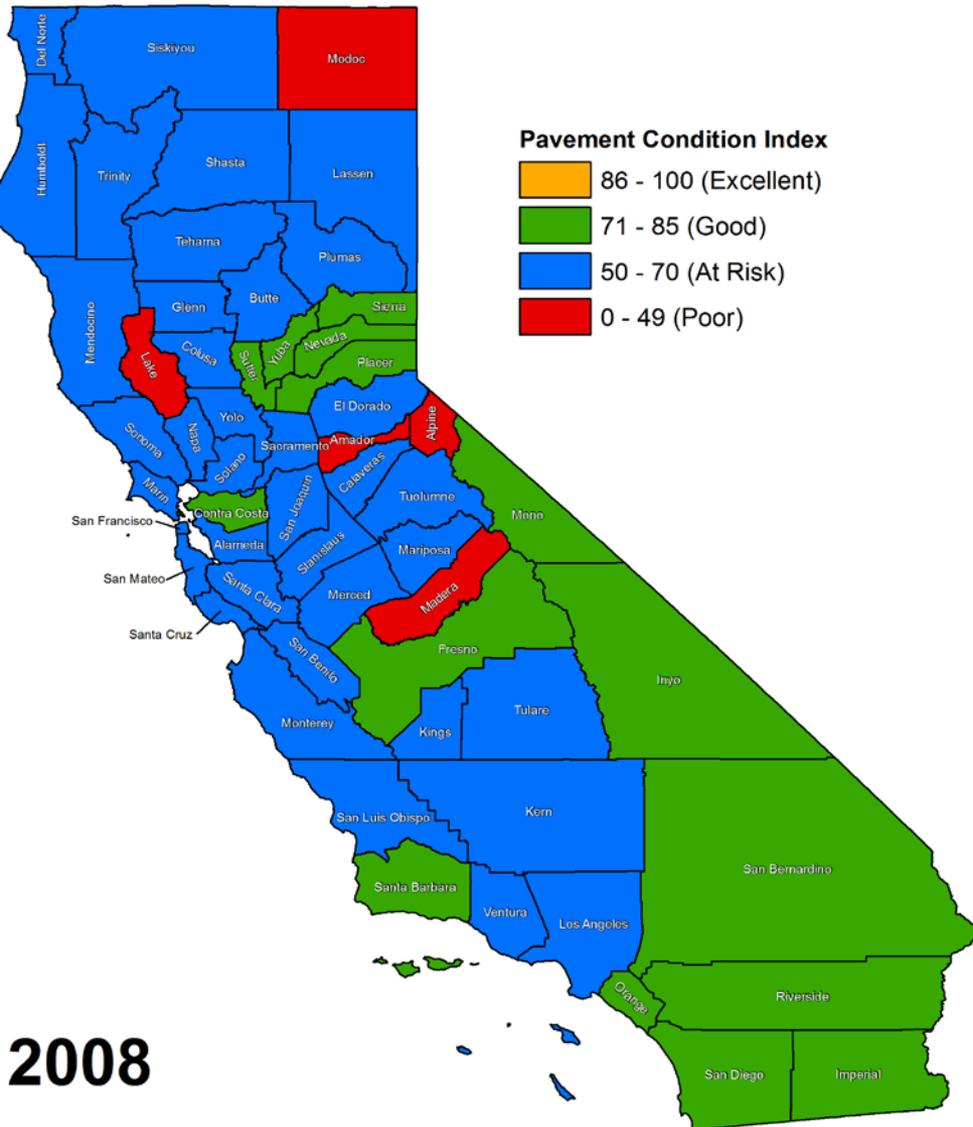
Average Statewide PCI



PCI of 65 looks like this ...



Average PCI by County

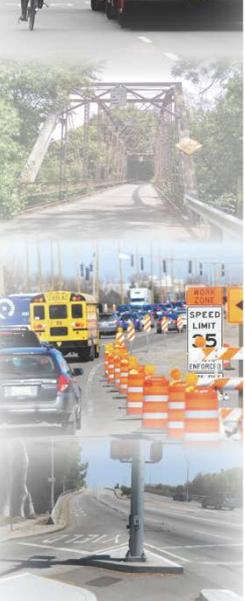


Complete Streets



Complete Streets

- 2016 Responses: 421
- Adopted complete streets policy?
 - Yes (187)
 - No (190)
 - Don't know (31)
- 12% of streets are eligible



Elements Included in Complete Street Policies

Element	Agencies
Bicycle facilities	225
Pedestrian facilities	228
Landscaping	182
Medians	179
Lighting	172
Roundabouts	111
Traffic Calming e.g. reducing lane widths	176
Signs	201
Curb Ramps	219
Transit elements	100



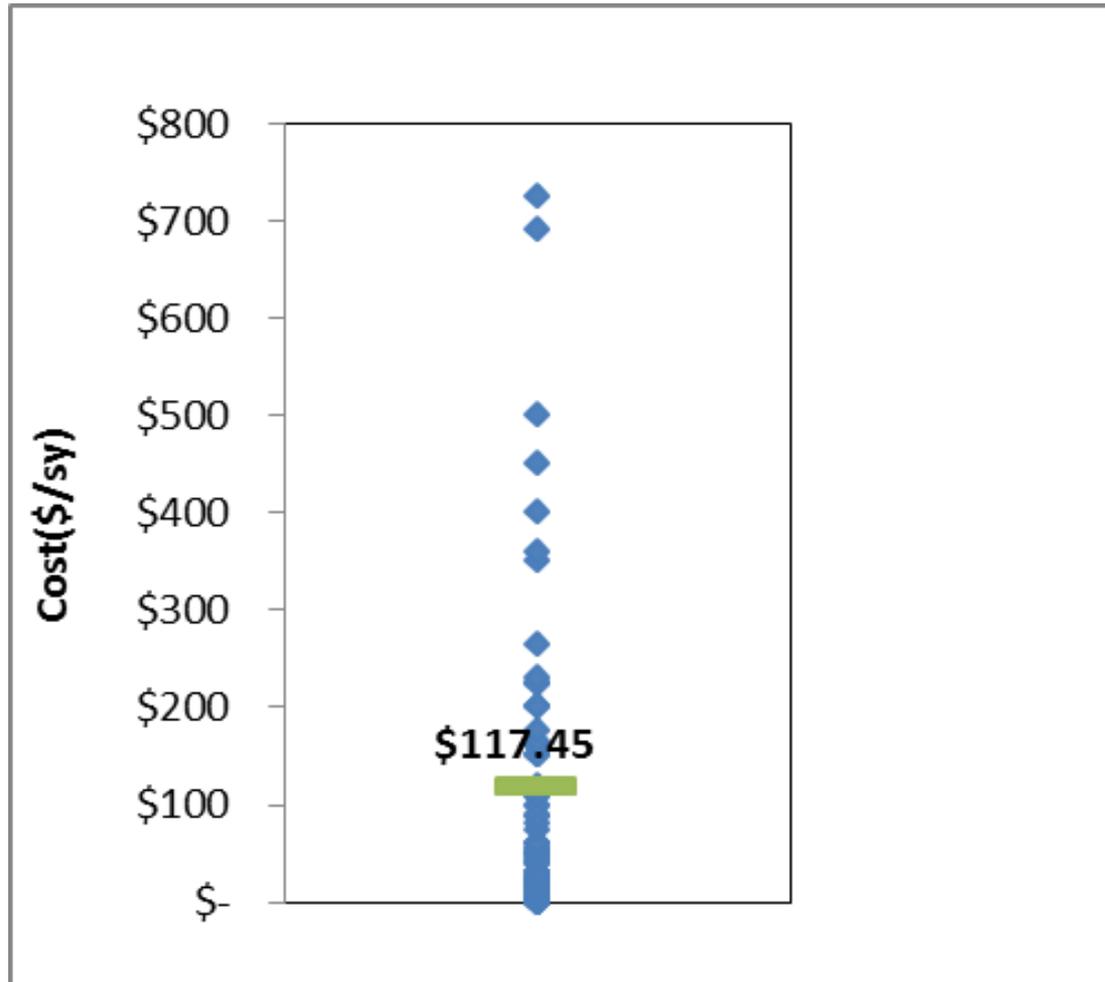
Responses - Complete Streets

- Plans to incorporate CS elements?
 - Yes (152), No (55)
- Challenges

Challenge	Agencies
Insufficient rightofway	193
Trees/environmental features	130
Existing structures	154
Insufficient funding	231
Other	43



Incremental Costs (Ranges from \$1-\$700/sy!)





Complete Streets - Case Studies

City of Glendale



Population: 191,719

Street network: 336 miles

Complete street elements:

- Bulb outs and traffic circles
- Traffic signals
- Street trees
- Interpretive signing

Incremental cost: \$45/sy



City of Pleasant Hill



Population: 33,152

Street network: 109 miles

Complete street elements:

- ADA upgraded and sidewalks
- Bike lanes
- Landscaping
- LED lighting and signal

Incremental cost: \$88/sy



City of Concord



Population: 122,067

Street network: 310 miles

Complete street elements:

- Bicycle lanes
- Curb & gutters
- Sidewalks

Incremental cost: \$230/sy



SHARE
THE
ROAD



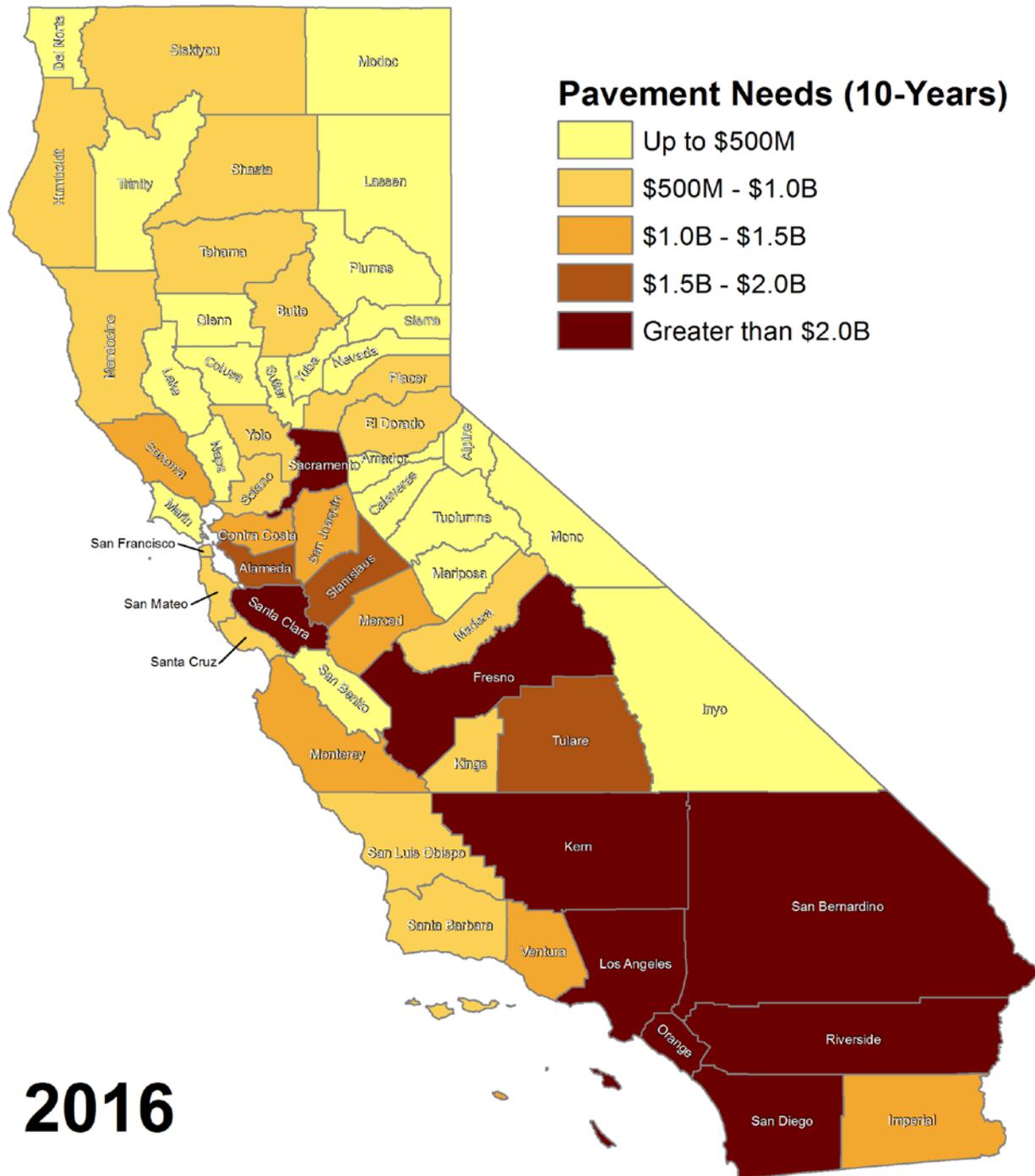


There are 9,307 miles of unpaved roads that need \$918 million over 10 years

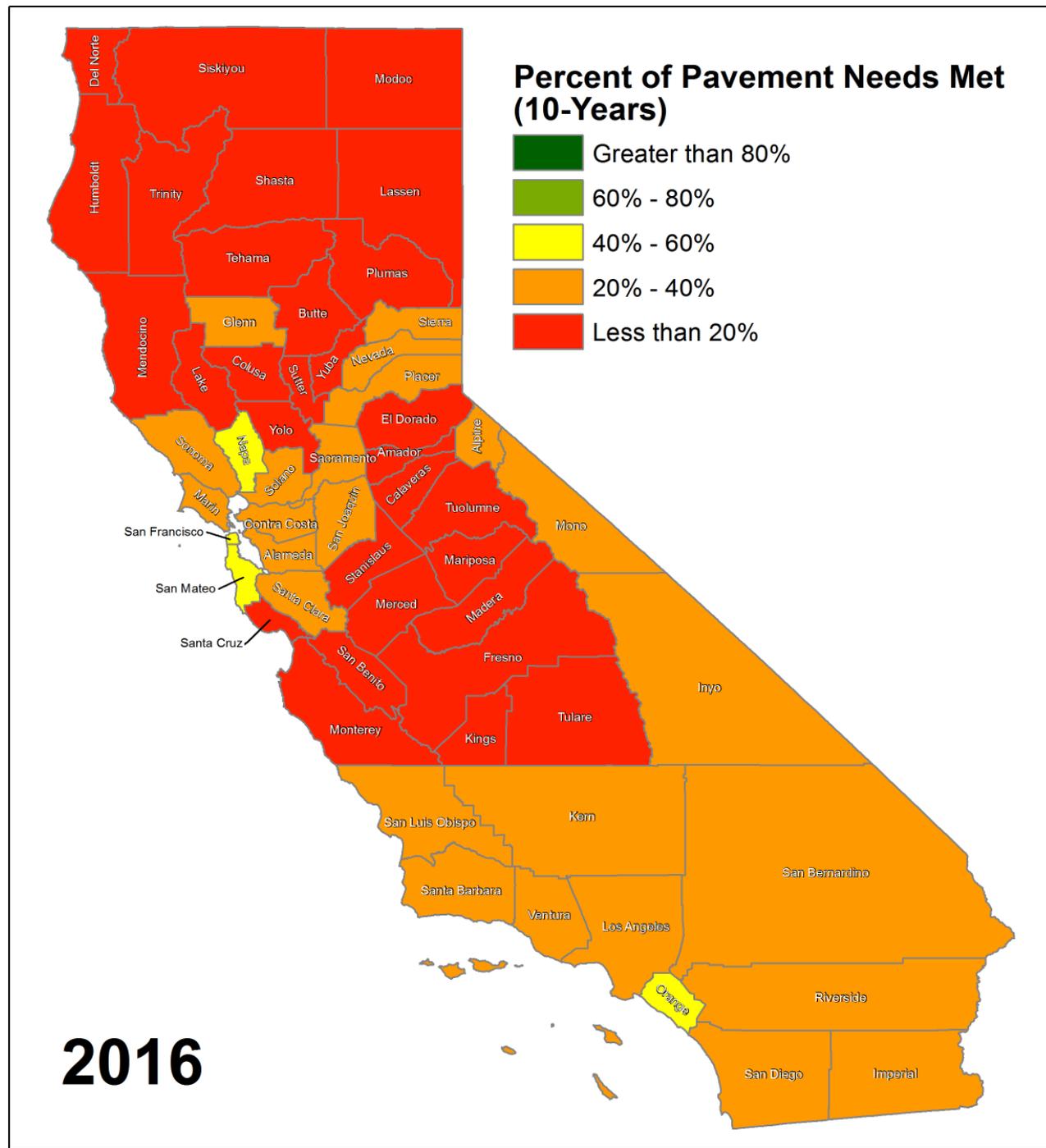


**Total Pavement Needs = \$70 billion
over 10 years**

Pavement Needs \$70 B



Percent Needs Met



Essential Components

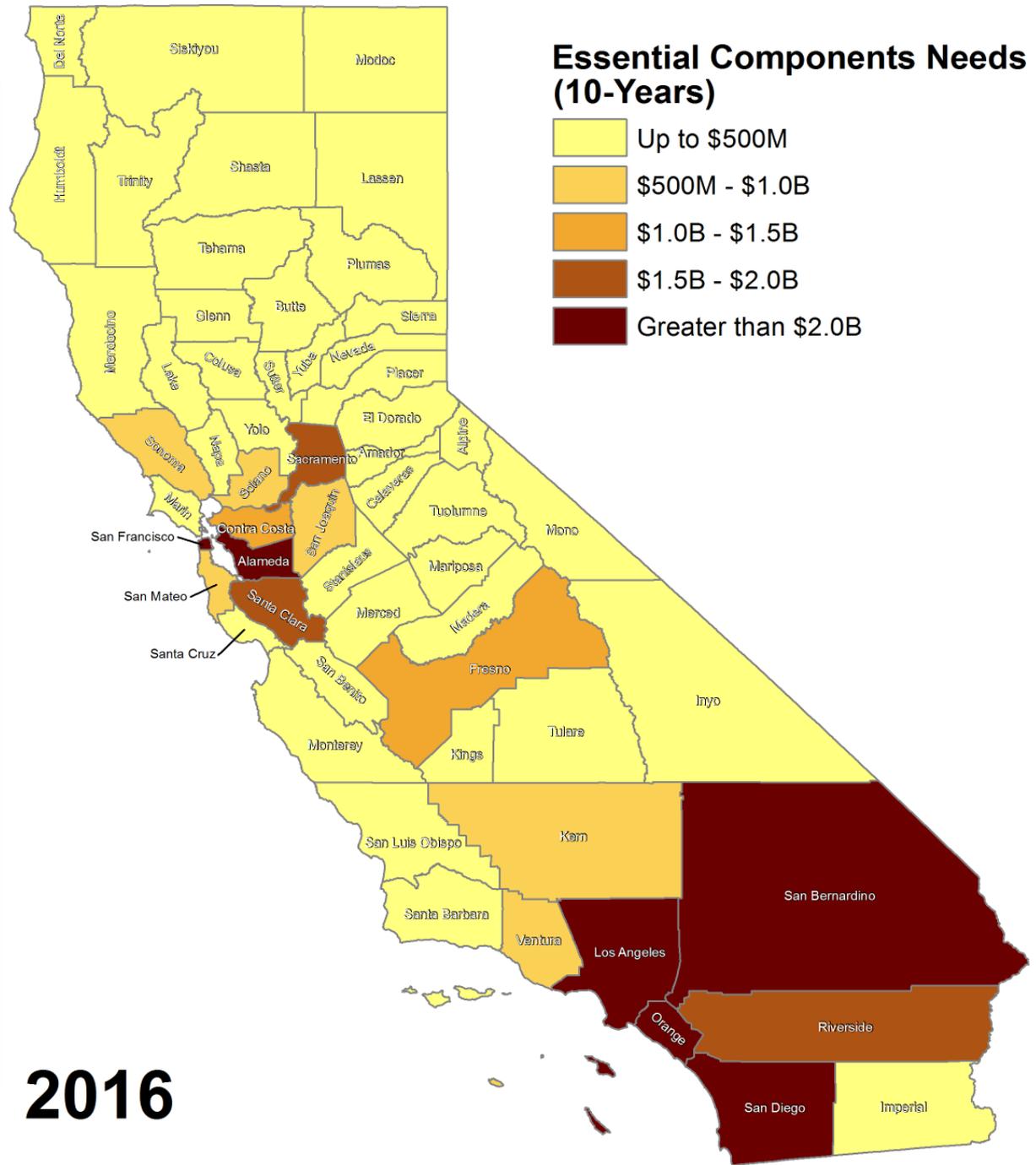


Essential Components Include:



They add up ... approximately 30% of total needs!

Essential Component Needs \$32.1 B

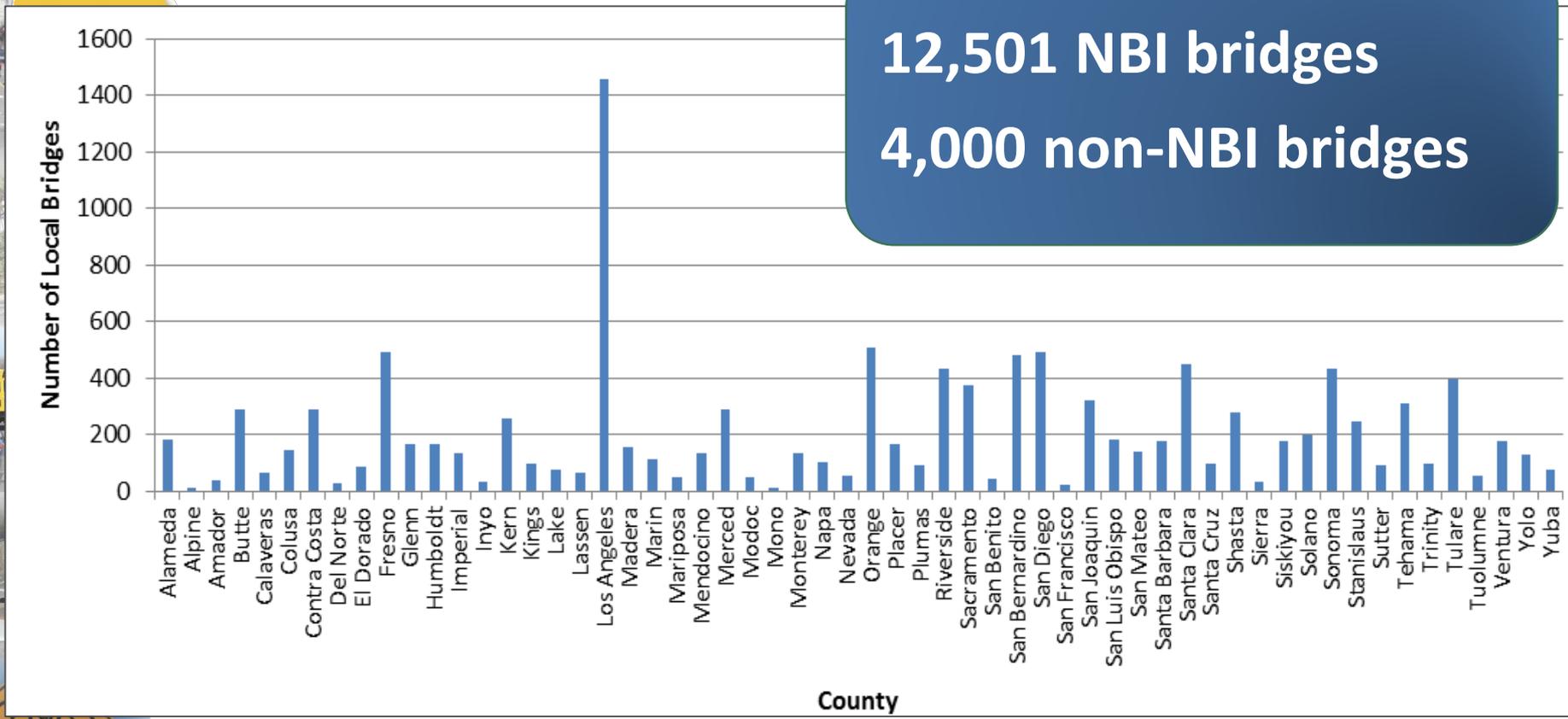


Local Bridges

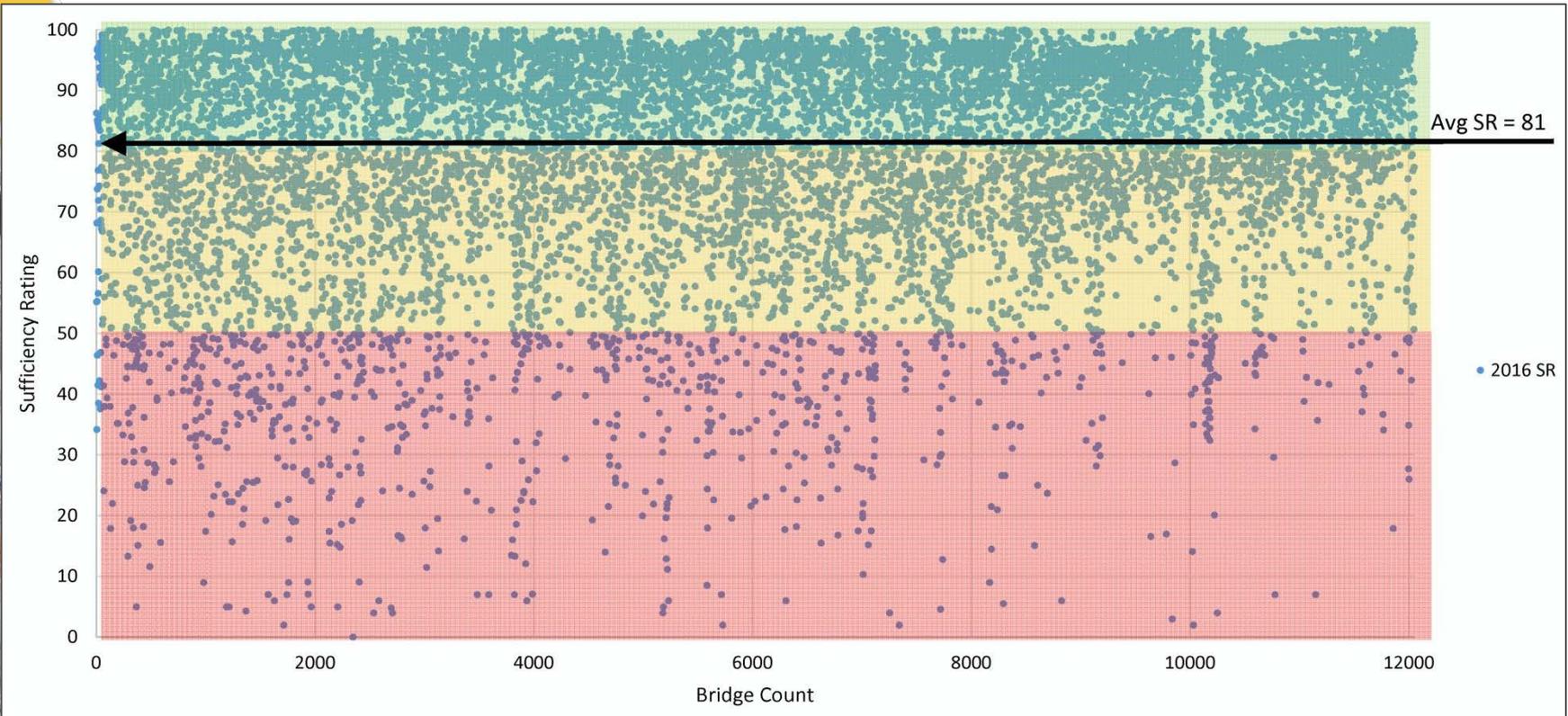


How Many Local Bridges?

12,501 NBI bridges
4,000 non-NBI bridges



Sufficiency Rating – All NBI Bridges

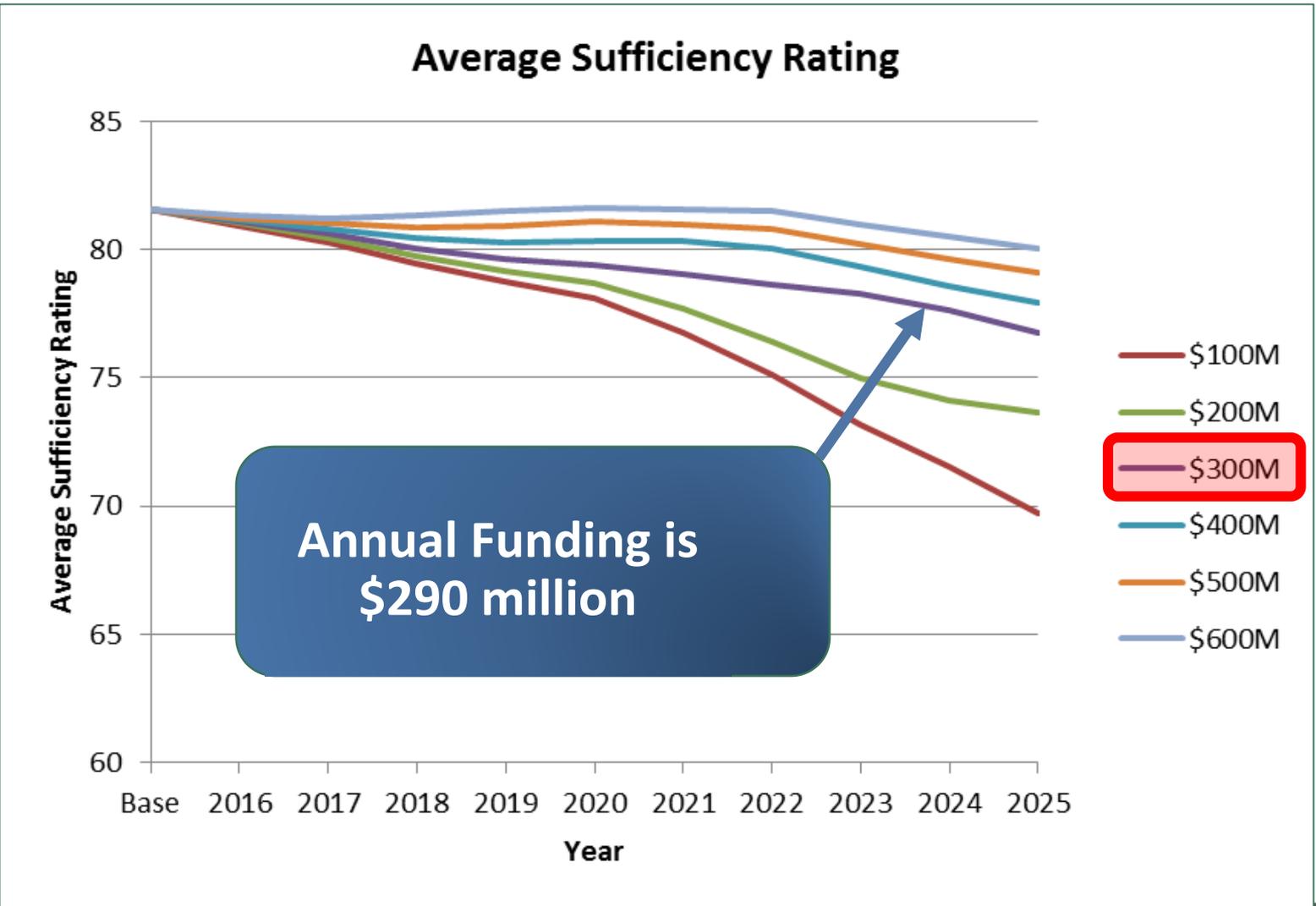


1,448 are structurally deficient
1,930 functionally obsolete

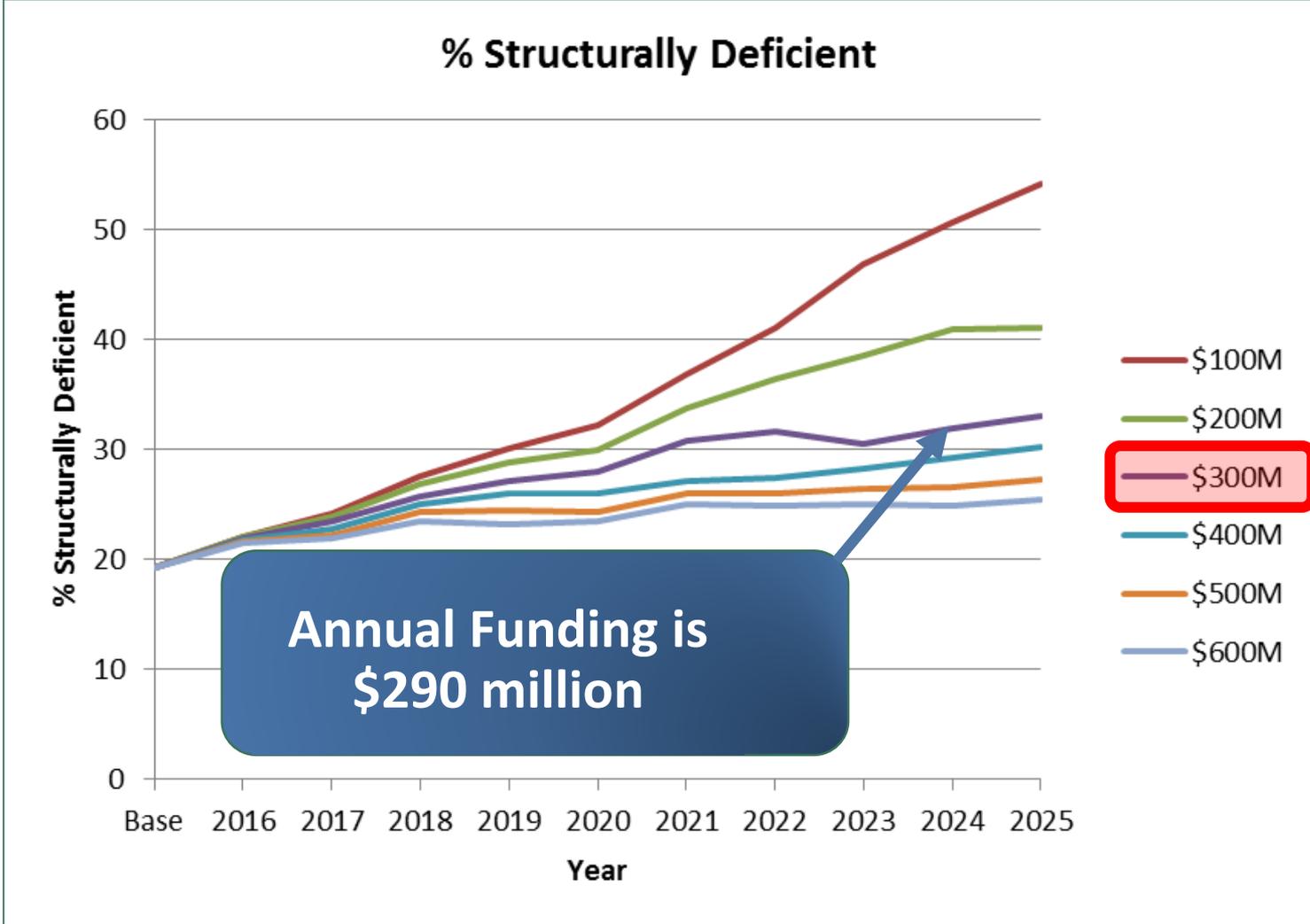
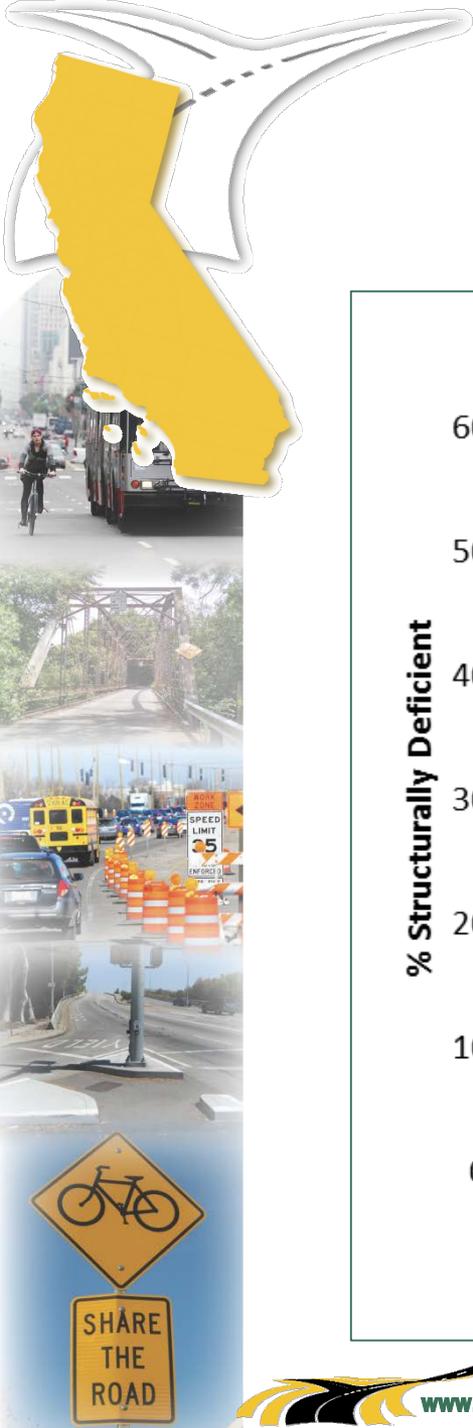
829 require replacement
1,834 require rehabilitation



Bridge Scenarios

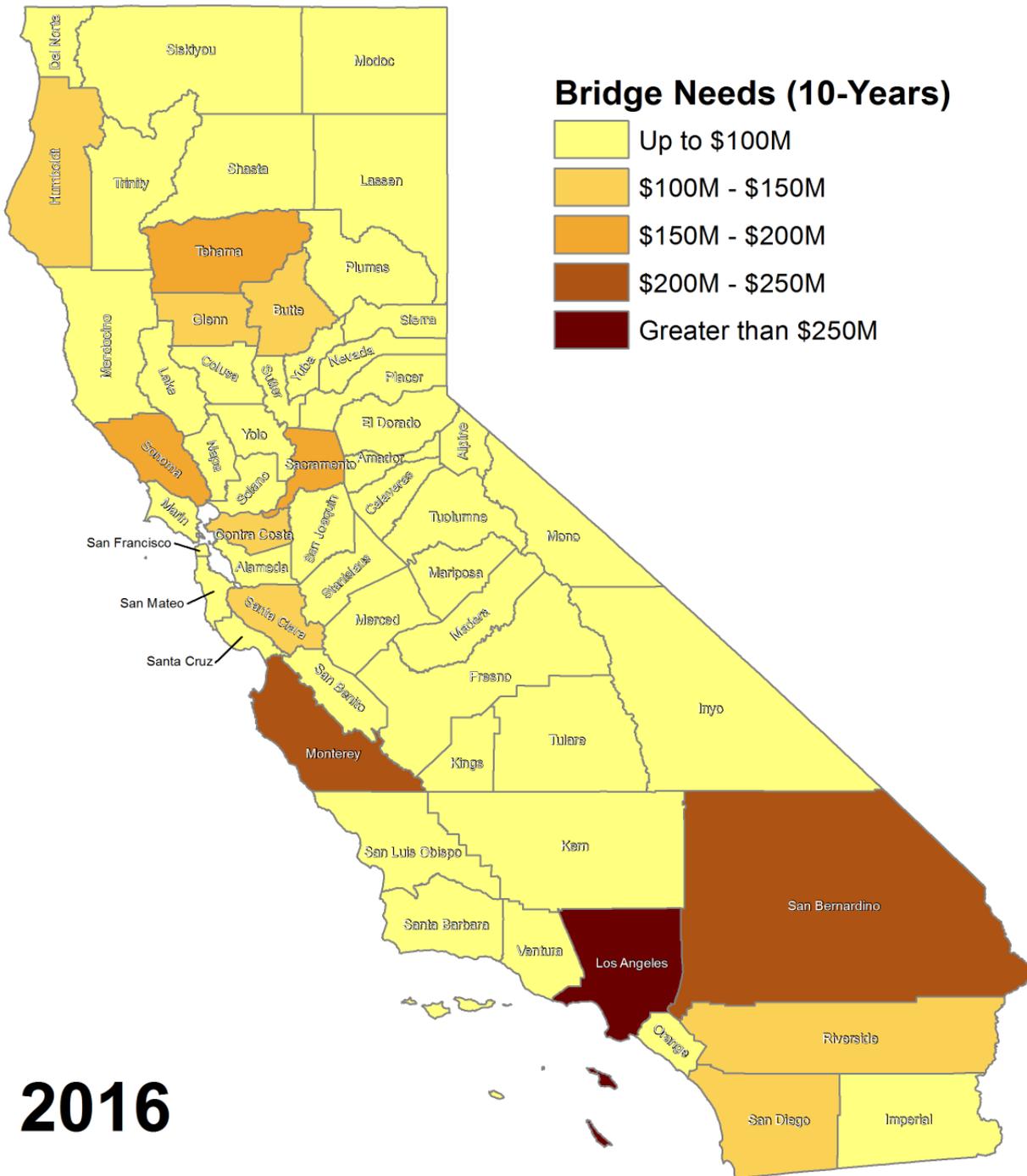


Bridge Scenarios



Annual Funding is \$290 million

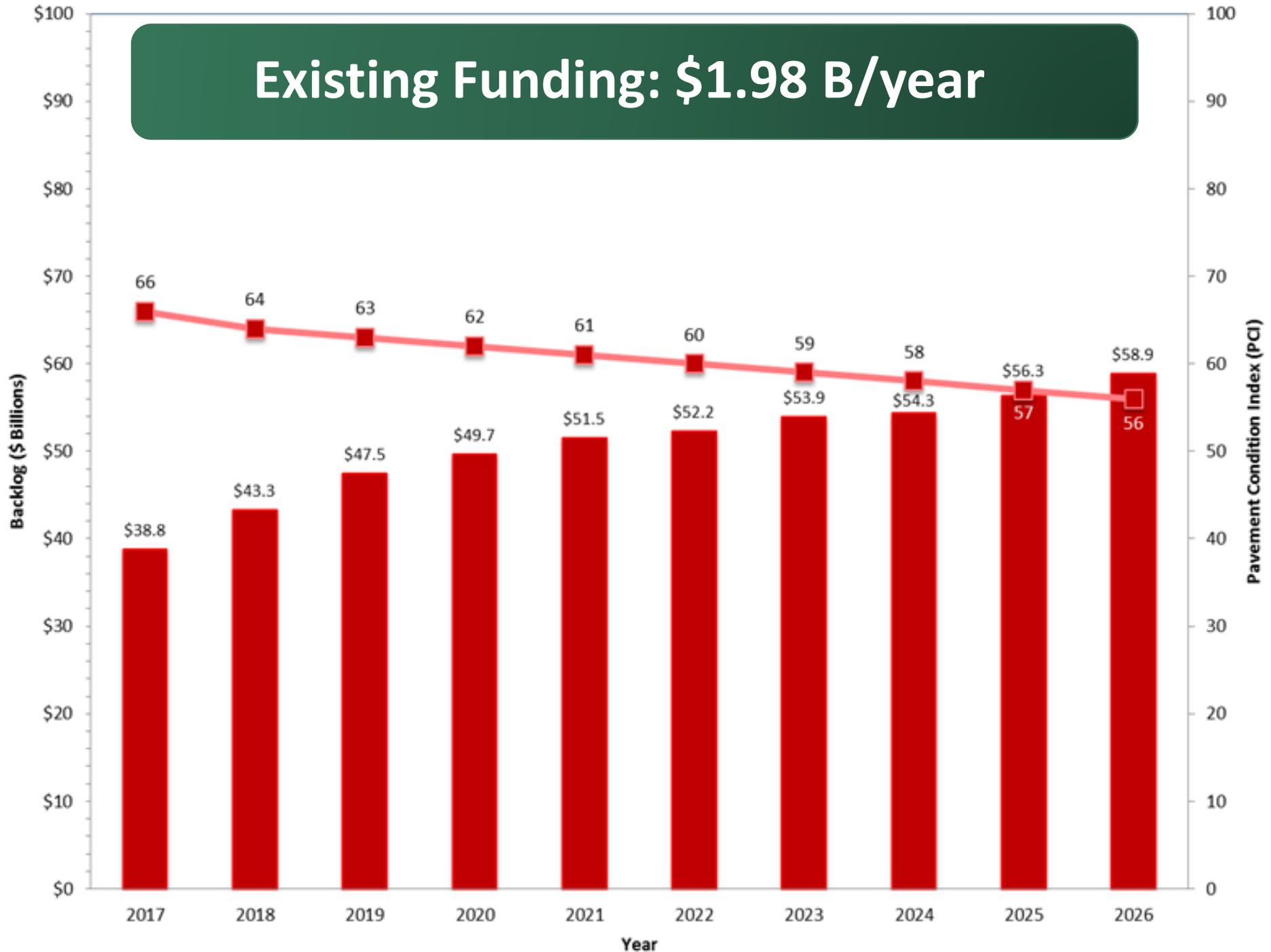
**Bridge
Needs
\$4.6 B**



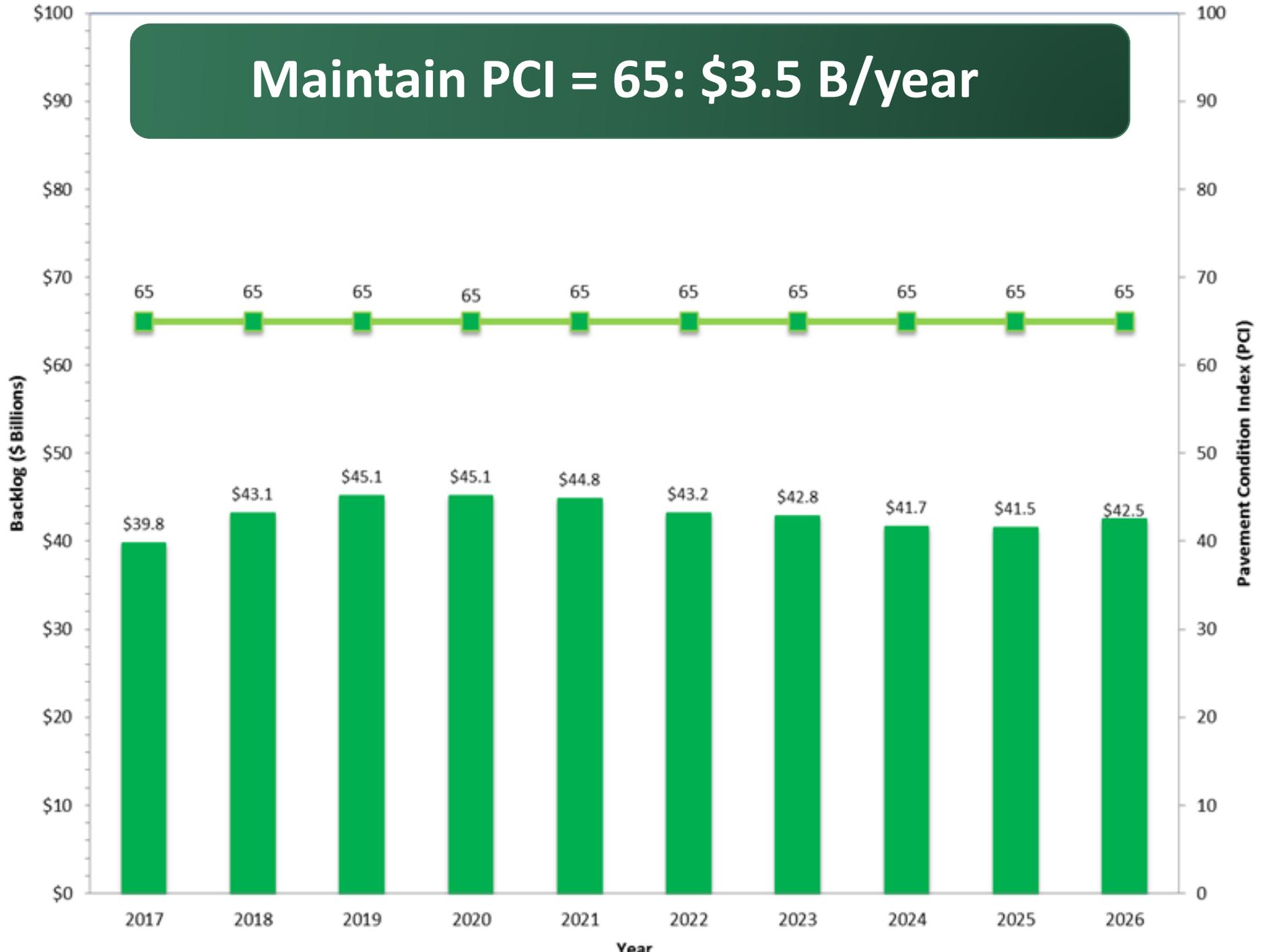
Funding Analysis

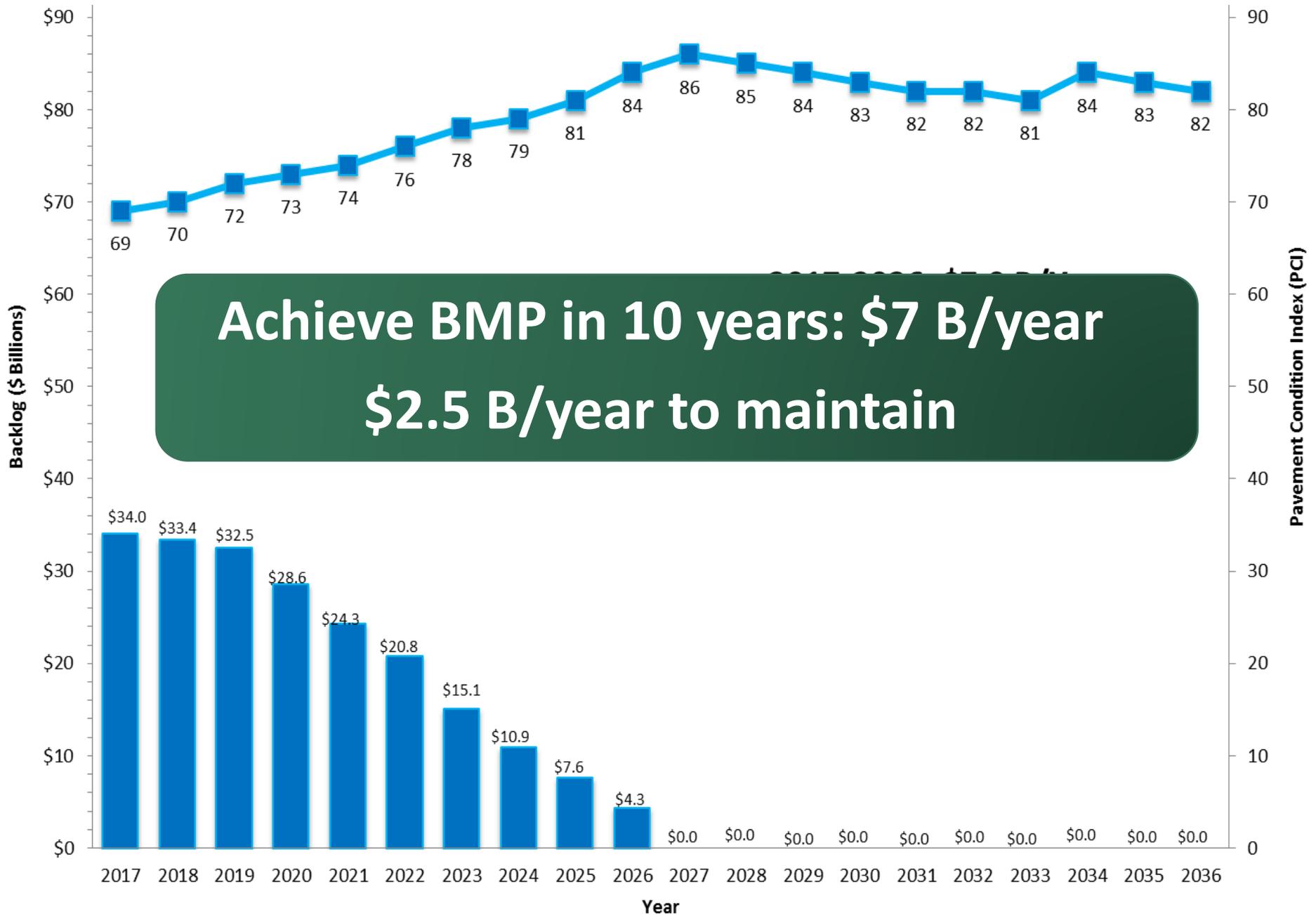


Existing Funding: \$1.98 B/year



Maintain PCI = 65: \$3.5 B/year





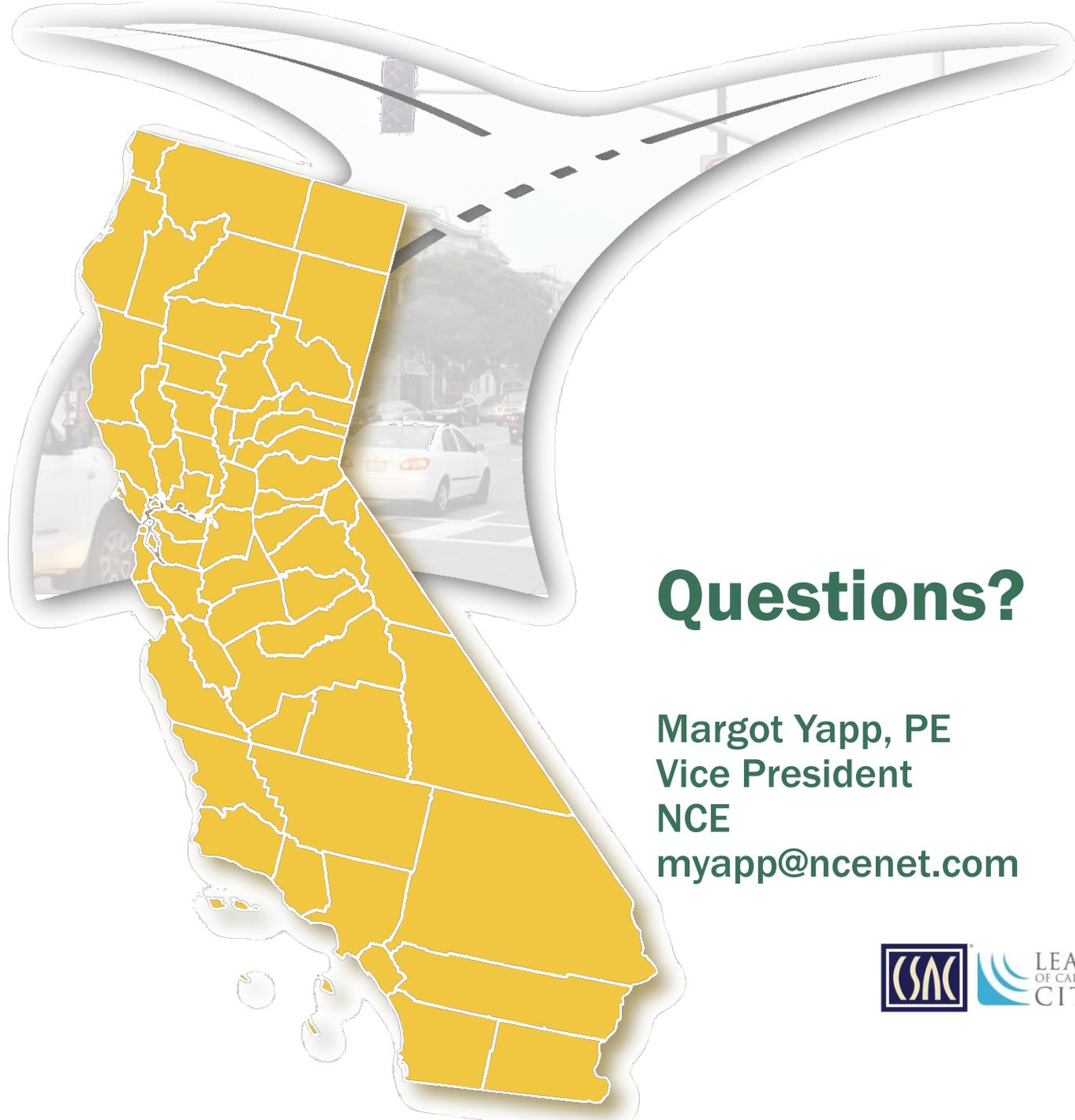


The percent of failed roads will increase from 6.9% to 22.2% by 2026 under current funding

Summary

Transportation Asset	2016		
	Needs	Funding	Shortfall
Pavement	\$ 70.0	\$ 19.8	\$ (50.2)
Essential Components	\$ 32.1	\$ 11.0	\$ (21.1)
Bridges	\$ 4.6	\$ 2.9	\$ (1.7)
Totals	\$ 106.7	\$ 33.7	\$ (73.0)





Questions?

Margot Yapp, PE
Vice President
NCE
myapp@ncenet.com

