California Statewide Local Streets & Roads Needs Assessment - 2020 Update

CSAC/Cal Cities Webinar

August 25, 2021





Project Sponsors

- California State Association of Counties
- League of California Cities
- County Engineers Association of California
- Regional Transportation Planning Agencies
- Rural Counties Task Force
- Caltrans Highway Bridge Program Advisory Committee





Has this project been successful?



Senate Bill No. 1

Approved by Governor April 28, 2017



SECTION 1.

The Legislature finds and declares all of the following:

- (a) Over the next 10 years, the state faces a \$59 billion shortfall to adequately maintain the existing state highway system in order to keep it in a basic state of good repair.
- (b) Similarly, cities and counties face a \$78 billion shortfall over the next decade to adequately maintain the existing network of local streets and roads.

- (1) The revenues estimated to be available for allocation under the act to local agencies are estimated over the next 10 years to be as follows:
- (A) Fifteen billion dollars to local street and road maintenance.





Project Objectives

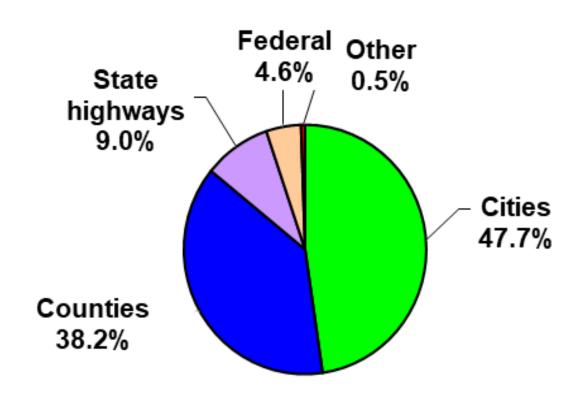
- What are pavement conditions statewide?
- How much will it cost to maintain <u>local</u> roads? Bridges? Essential components?
- What is the funding shortfall?
- What are impacts of different funding scenarios?
- Communicate results to elected officials, the public and the media!





Local Roads Are A Huge Part of California's Network

More than 85% of California's roads are owned by cities and counties. That's more than 144,000 centerline miles.





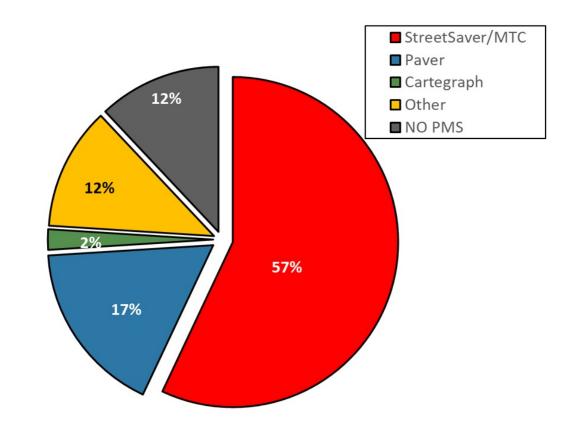


Pavements



Survey Responses – PMS Software

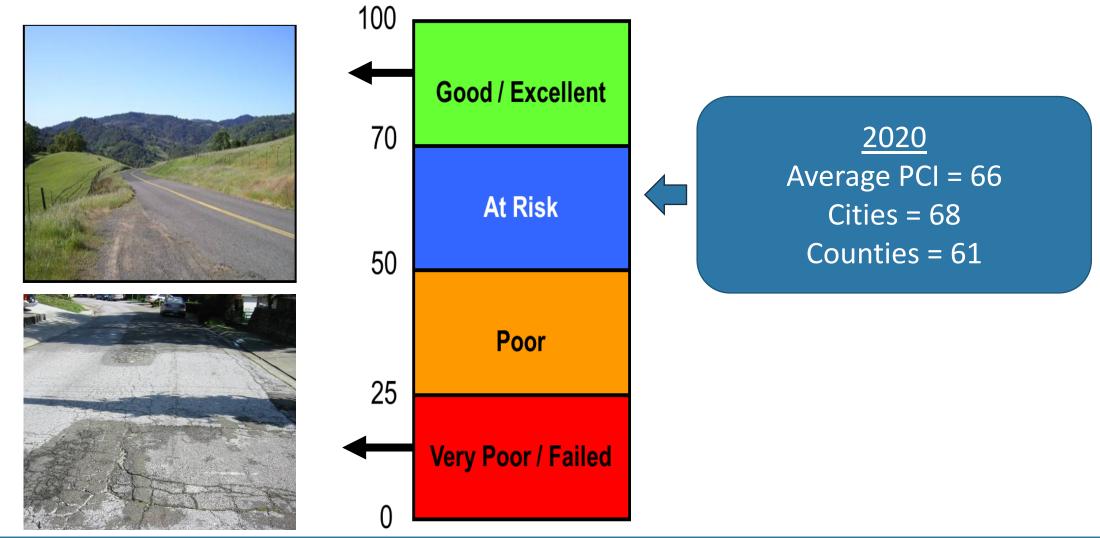
98% of total miles are included in a pavement management system







Average Statewide PCI



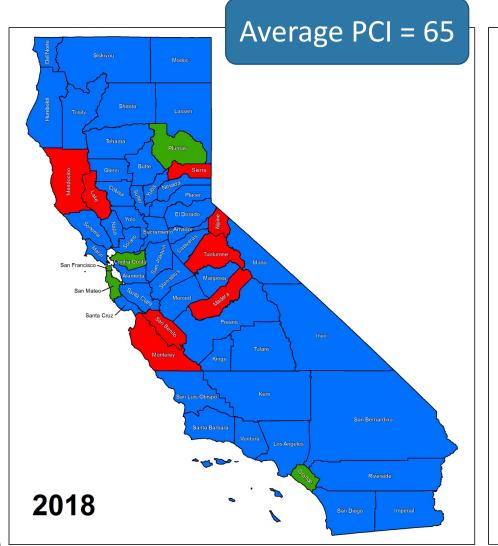


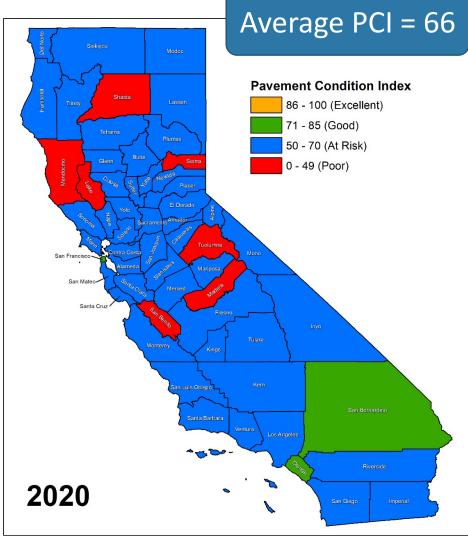


PCI of 66 Looks Like This

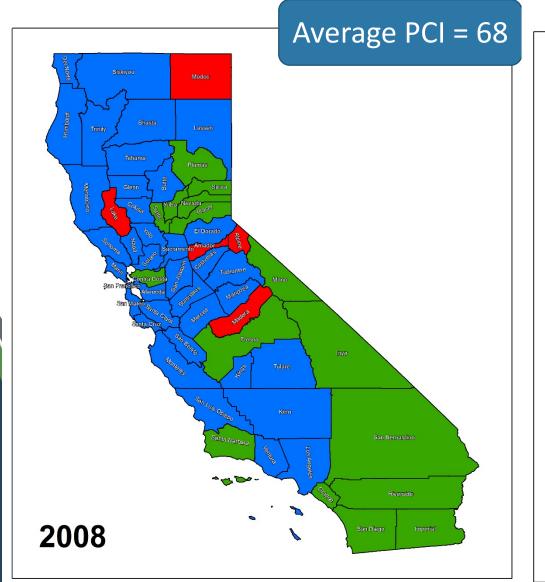


Average PCIs Don't Tell the Whole Story

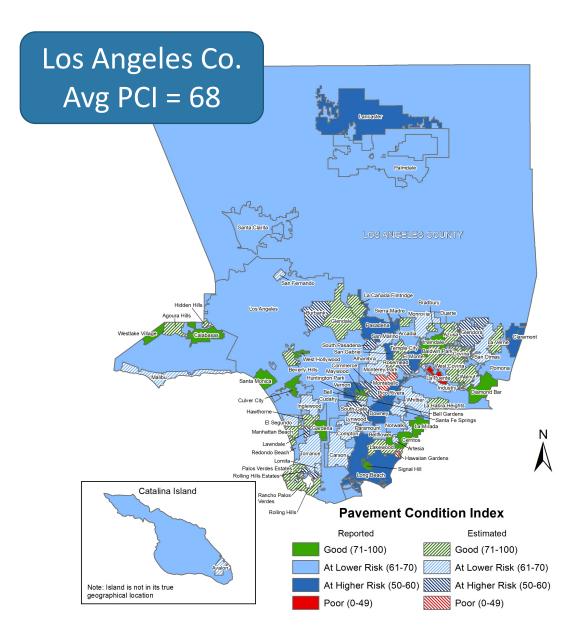


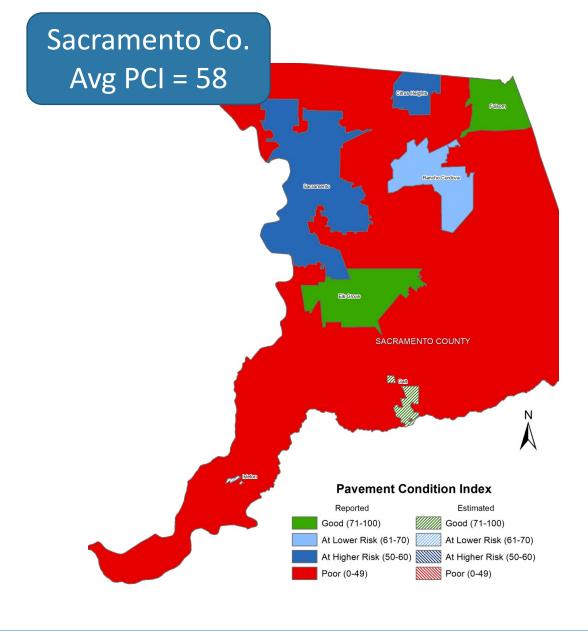


Compare 2008 with 2020















Huge Range in Incremental Costs

Average \$117/sy

City of Santa Ana



Population: 332,725

Street Network: 424 miles

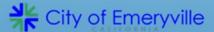
Complete street elements:

- Bike lanes
- Landscaped buffer
- Street lights
- Sidewalk widening

Incremental Cost: \$18/sy



City of Emeryville



Population: 12,104

Street Network: 20 miles

Complete street elements:

- Street widening
- Bike/bus movement innovation
- In-lane transit island stop

Incremental Cost: \$50/sy







Huge Range in Incremental Costs

Average \$117/sy

City of San Clemente

Population: 64,857

Street Network: 134 miles

Complete street elements:

- Street widening
- Class II bicycle lanes

Incremental Cost: \$135/sy



City of Mill Valley

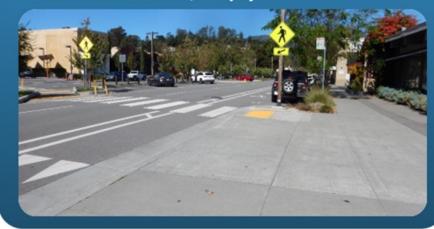
Population: 14,295

Street Network: 60 miles

Complete street elements:

- Median replacement
- Bike lane
- Sidewalk widening
- Ramp

Incremental Cost: \$726/sy







Additional Regulatory Requirements

Responses are guesstimates but needs are consistently about \$9.6 billion.

Regulatory	Needs		Funding		Shortfall	
Requirements	(\$M)		(\$M)		(\$M)	
ADA	\$	2,444	\$	1,120	\$	(1,324)
NPDES	\$	6,340	\$	5,369	\$	(971)
Traffic Signs	\$	286	\$	152	\$	(134)
Complete Streets	\$	501	\$	16	\$	(485)
Other	\$	87	\$	34	\$	(53)
Total	\$	9,658	\$	6,691	\$	(2,967)

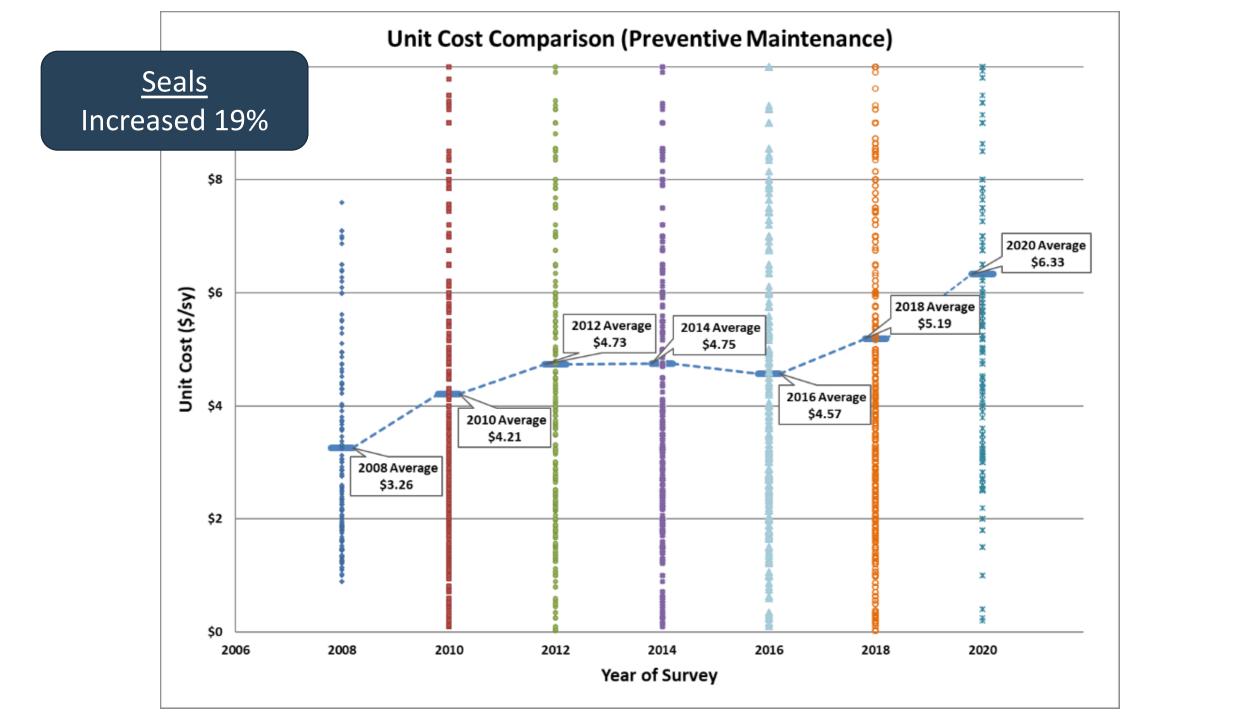




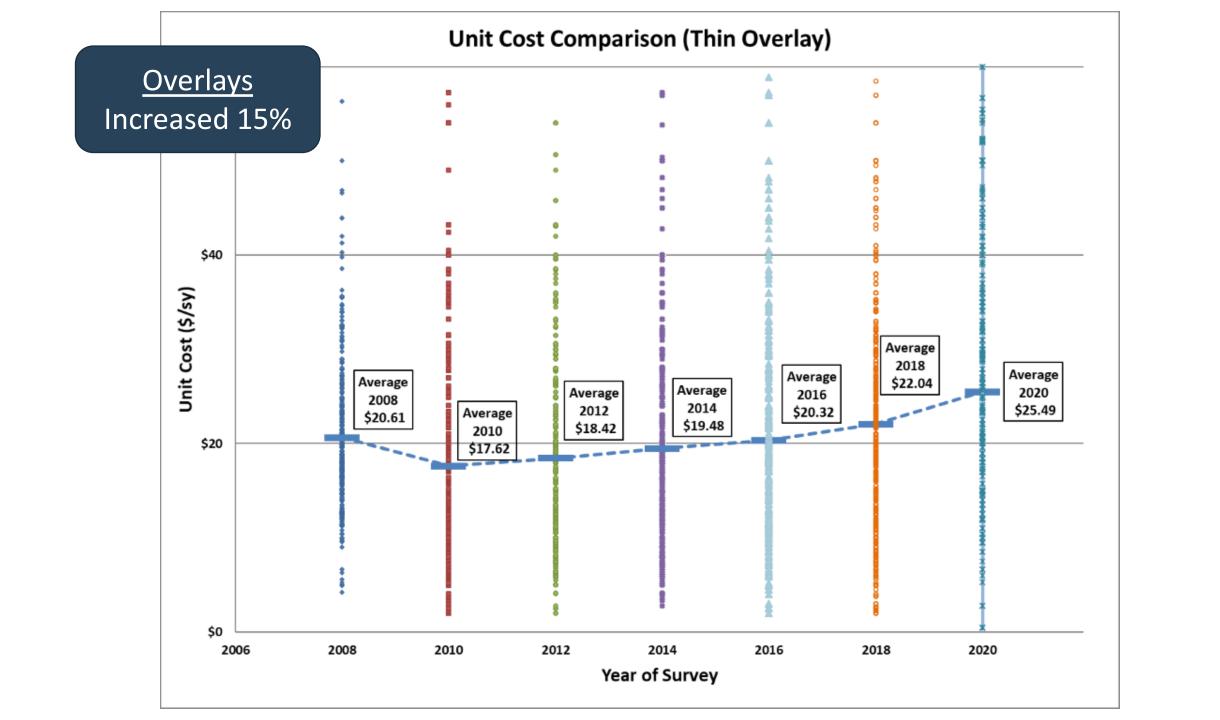
Trends in Construction Costs



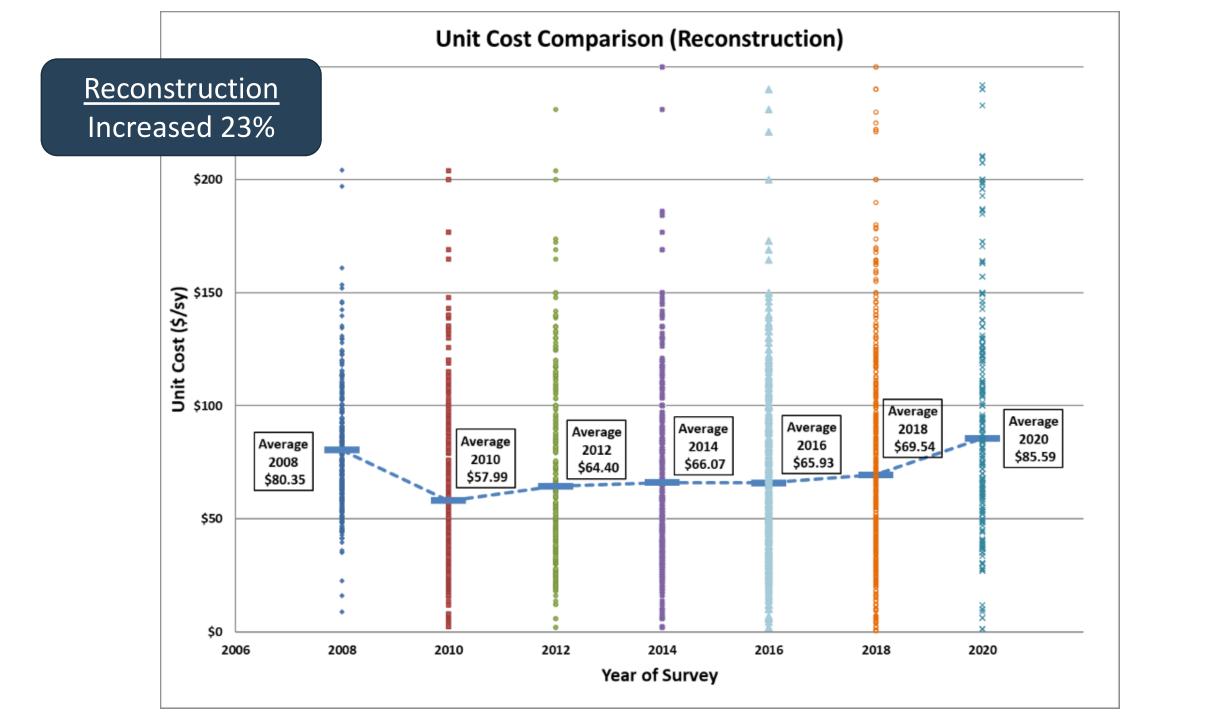










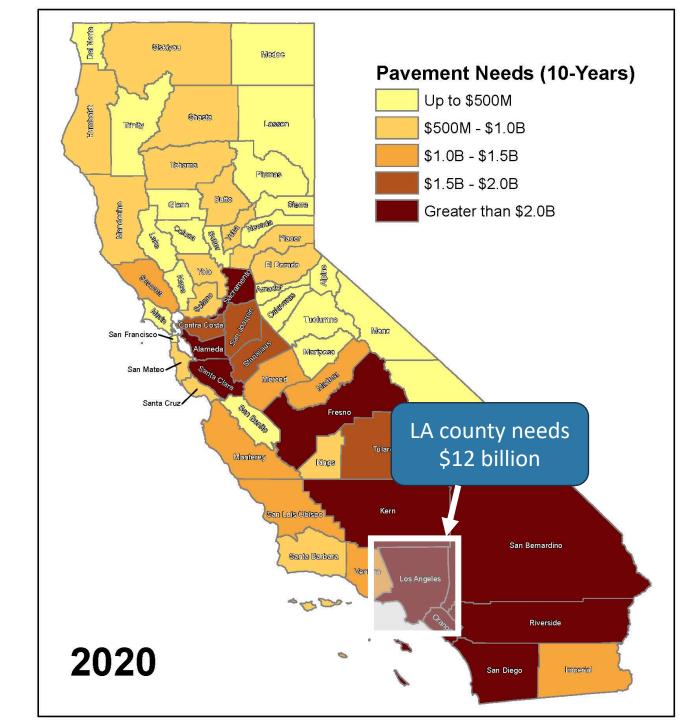






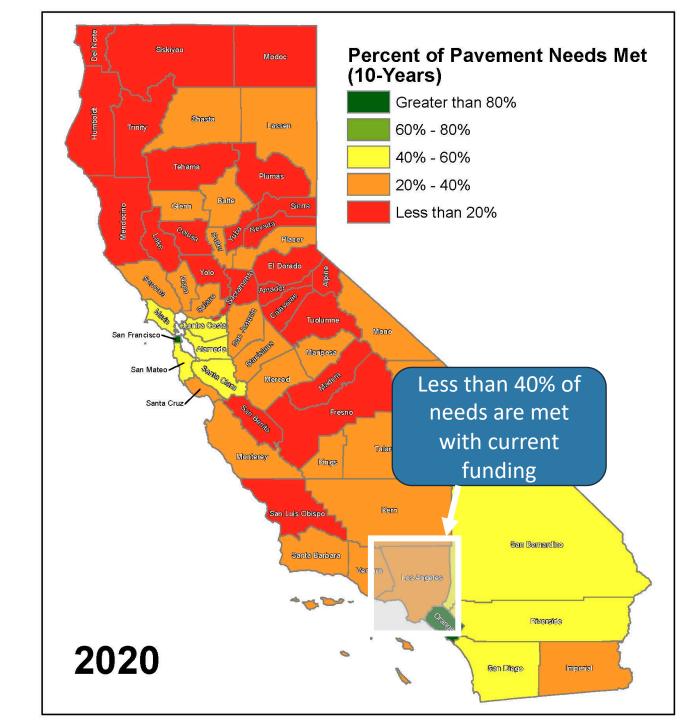
Pavement Needs by County

See Final Report (Appendix C) for your County's data



Pavement Needs <u>Met</u> by County

See Final Report (Appendix C)



Essential Components



Essential Components Include:

















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

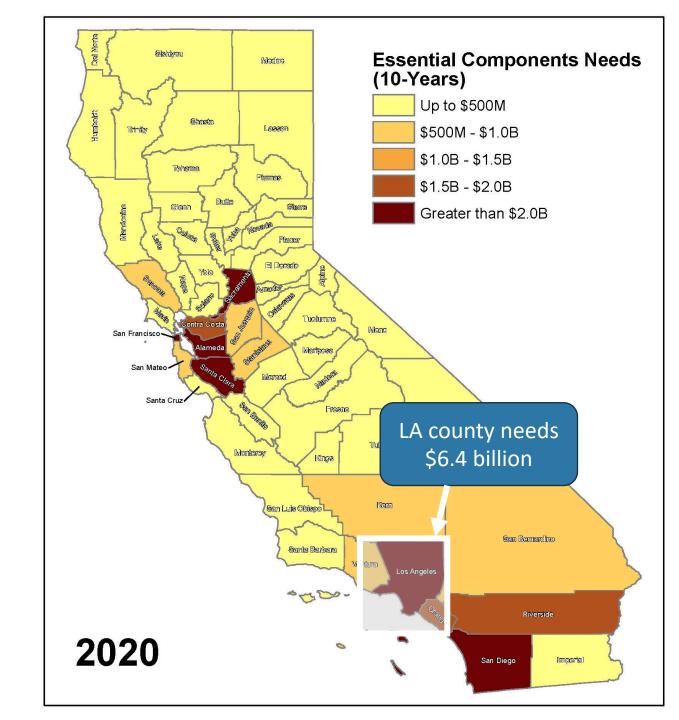




Essential
Components
Needs by County

\$35.5 Billion

See final report
(Appendix D) for your
County's data



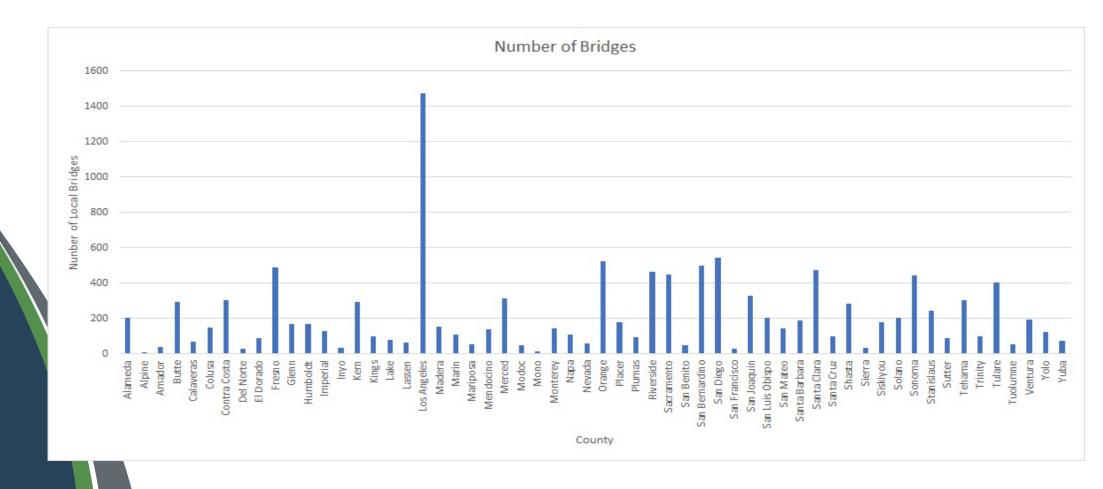
Local Bridges

From:

Quincy Engineering Spy Pond Partners



Cities & Counties Own 12,339 Bridges

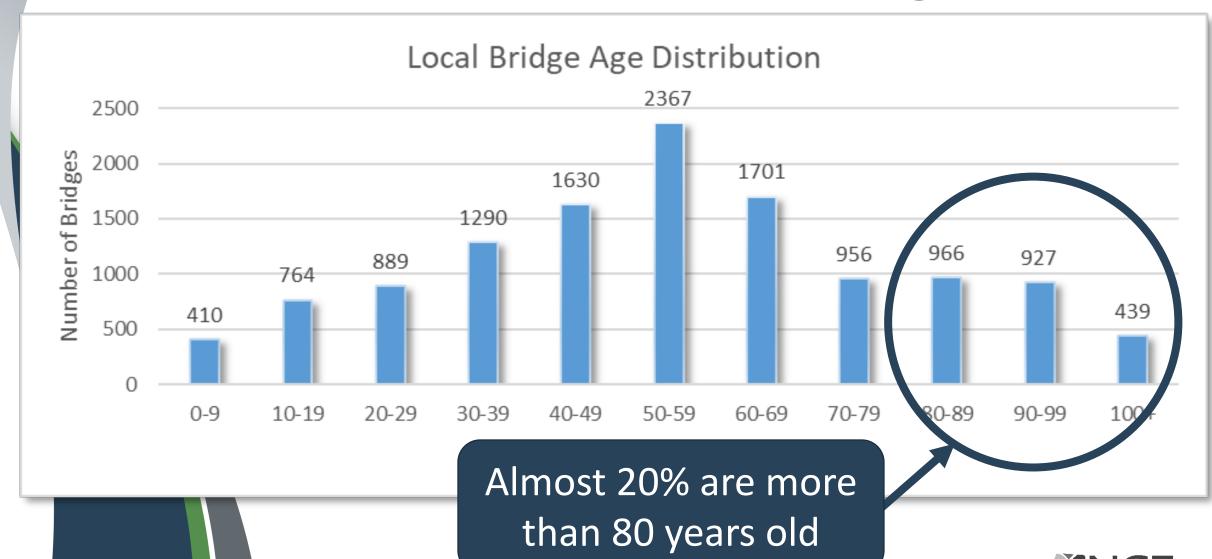






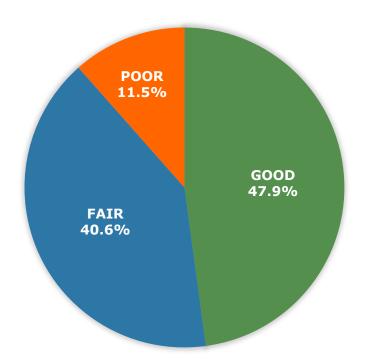
How Old Are Local Bridges?

www.SaveCaliforniaStreets.org

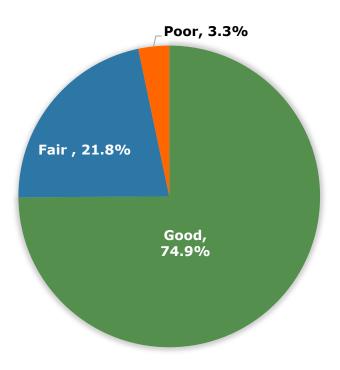


Bridge Conditions (Local & State)

LOCAL BRIDGES



STATE BRIDGES



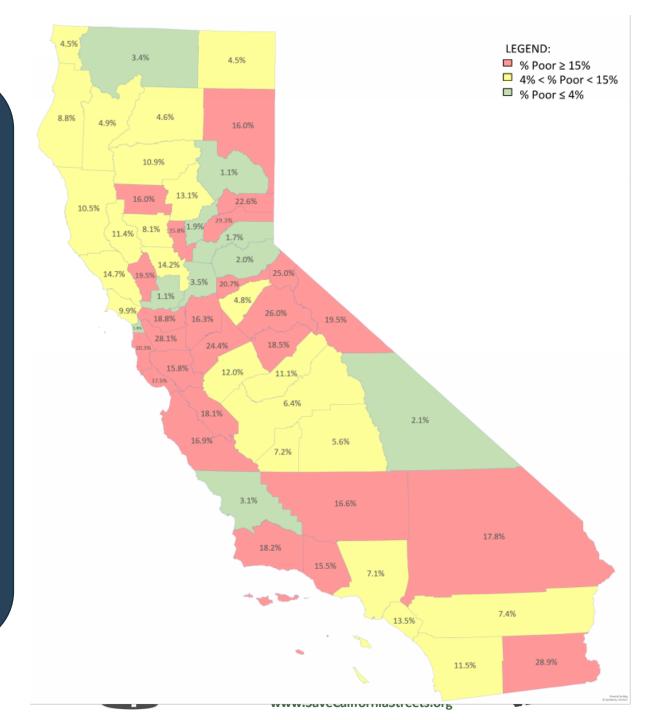




Bridges

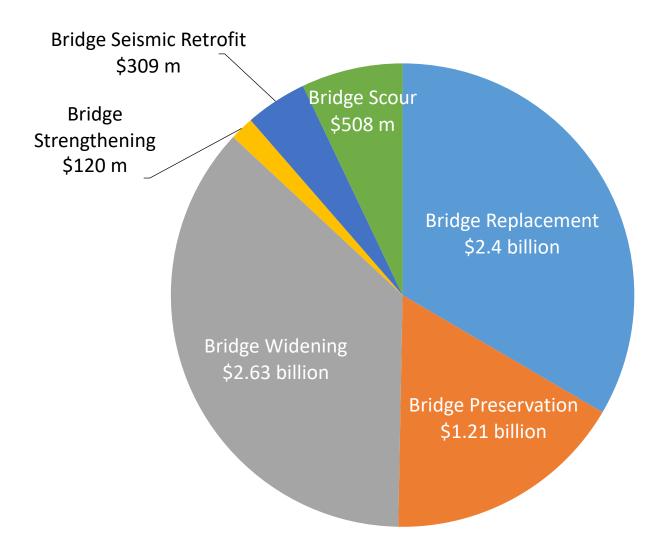
Percent Poor by County

Over 4,800 bridges need repair or replacement



Local Bridge Needs

\$7.2 billion

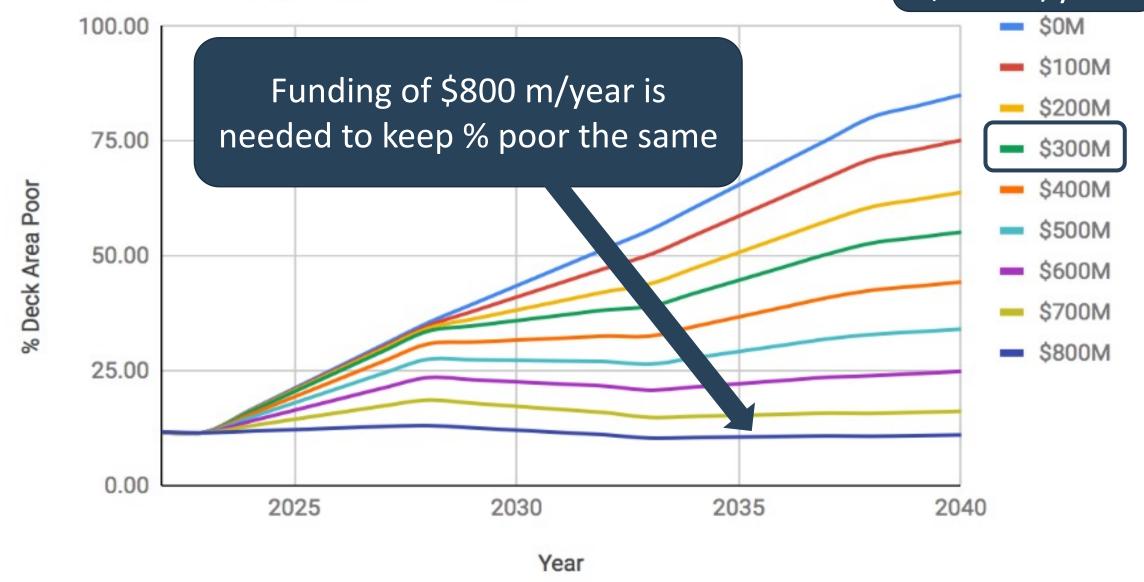








Actual funding \$290 m/year



How is SB 1 Helping?

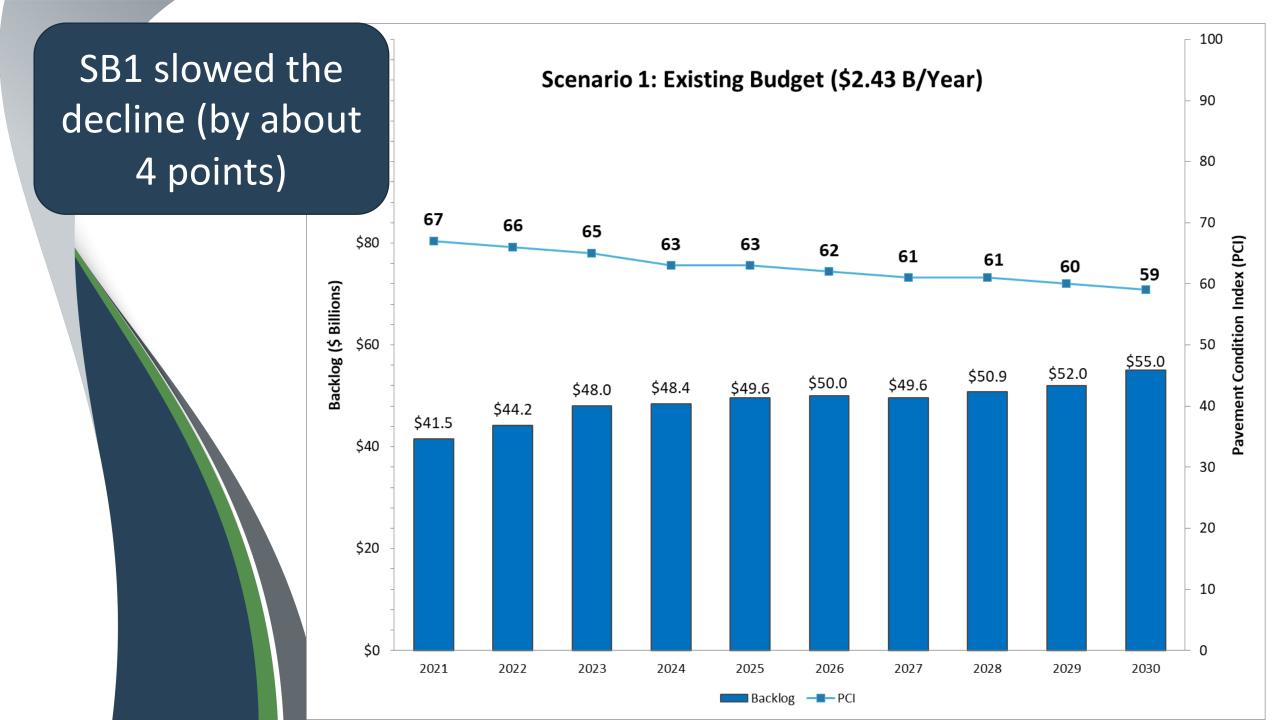


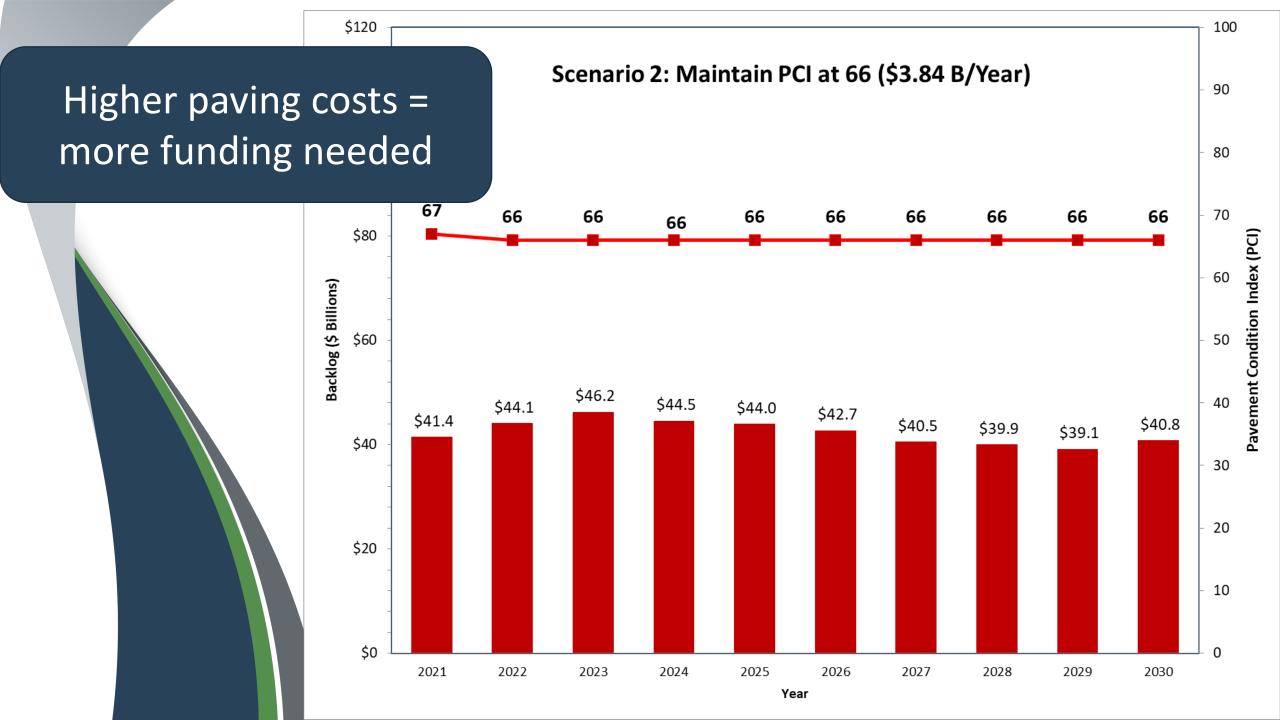
Funding Trends

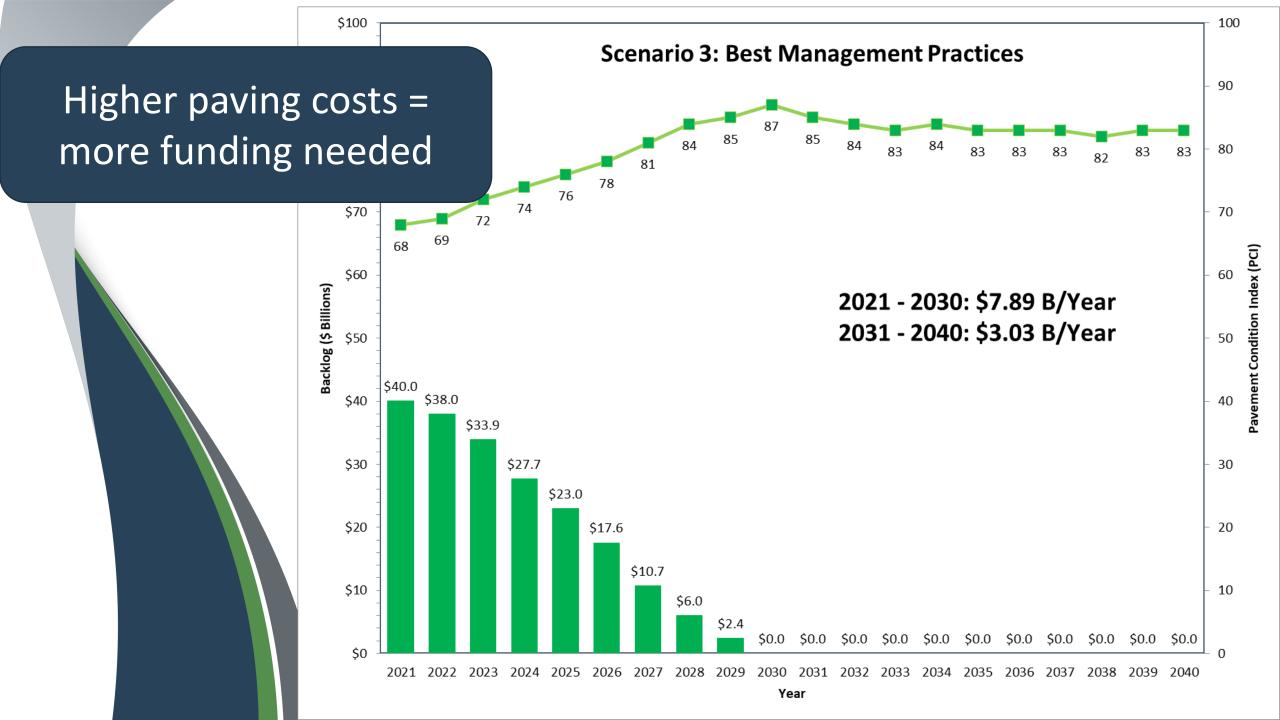












Statewide Needs Summary

Transportation Asset		Needs (\$B)		
	2018			
Pavement	\$	61.7		
Essential Components	\$	34.1		
Bridges	\$	5.5		
Totals	\$	101.3		

2020 (\$B)										
N	Needs		nding	Shortfall						
\$	76.0	\$	38.4	\$	(37.6)					
\$	35.5	\$	13.4	\$	(22.1)					
\$	7.2	\$	2.9	\$	(4.3)					
\$	118.7	\$	54.7	\$	(64.0)					





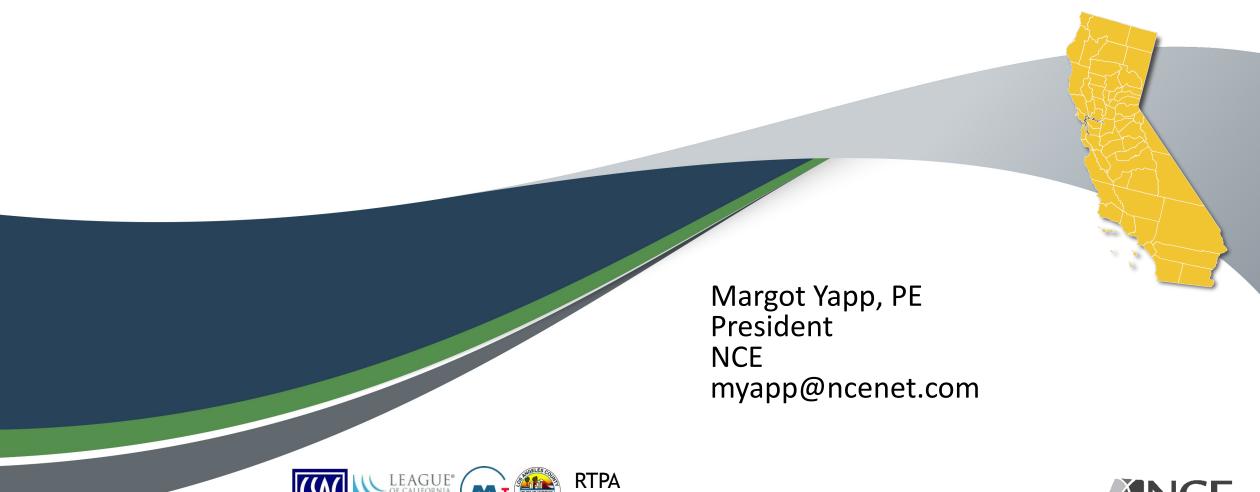
Key Findings

- SB 1 arrested historical deterioration over last 2 years
 - Could be underestimated because PCI lags
 - 2018 was a conservative year due to repeal efforts
 - Not enough data to fully appreciate impacts of SB 1
- Local bridges are still aging
 - Over 4,800 bridges need repair or replacement
 - Dedicated funding has been flat for over 10 years
- Construction costs went up sharply
 - Unintended consequence of SB1?
- Funding shortfall of \$64 billion





Questions?



RCTF

