



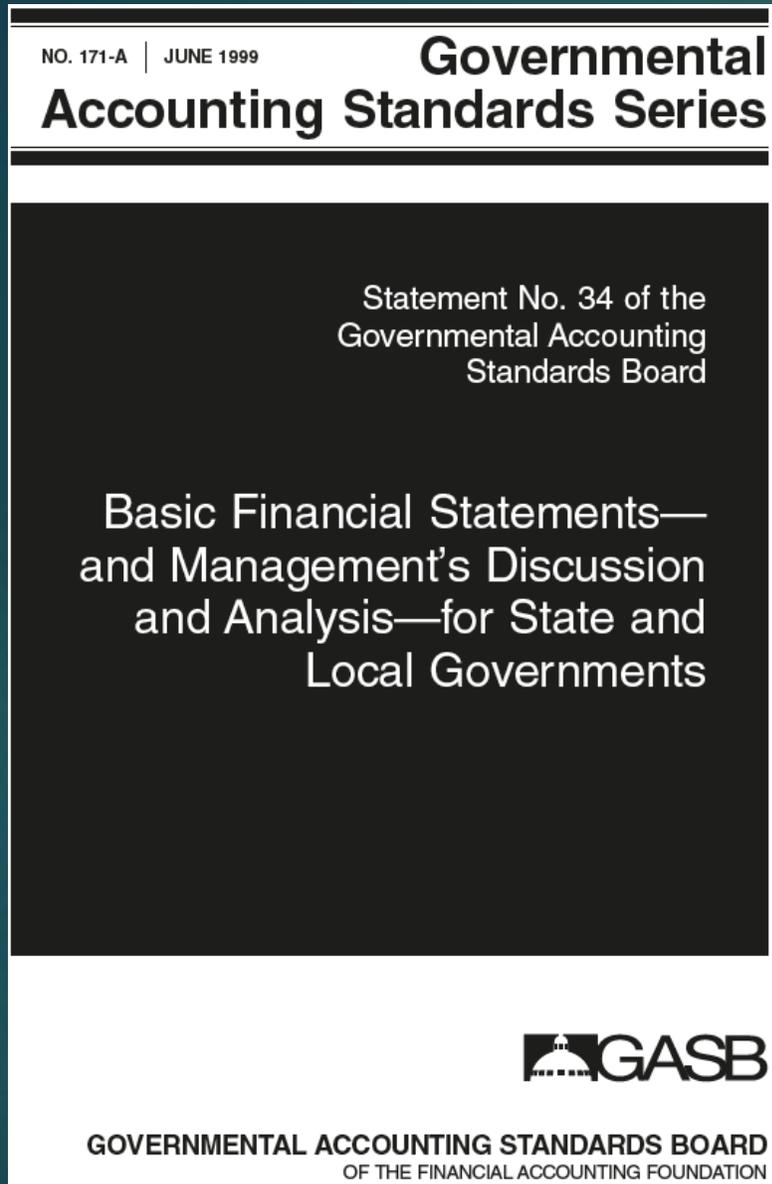
Infrastructure Condition Report FY 2022-23

Road Infrastructure Management

- Supports Asset Management Decisions
- Based on Government Accounting Standards
- Conditions Observations and Reporting

What Is the Government Accounting Standards Board (GASB)?

The Government Accounting Standards Board (GASB) is a private [non-governmental organization](#) that creates accounting reporting standards, or [generally accepted accounting principles \(GAAP\)](#), for state and local governments in the United States.



GASB Statement 34 is a major step toward greater accountability to the public regarding transportation services.

By keeping track of transportation assets and efforts to preserve them, governments will be able to demonstrate prudent stewardship of their infrastructure.

Tehama County Requirements

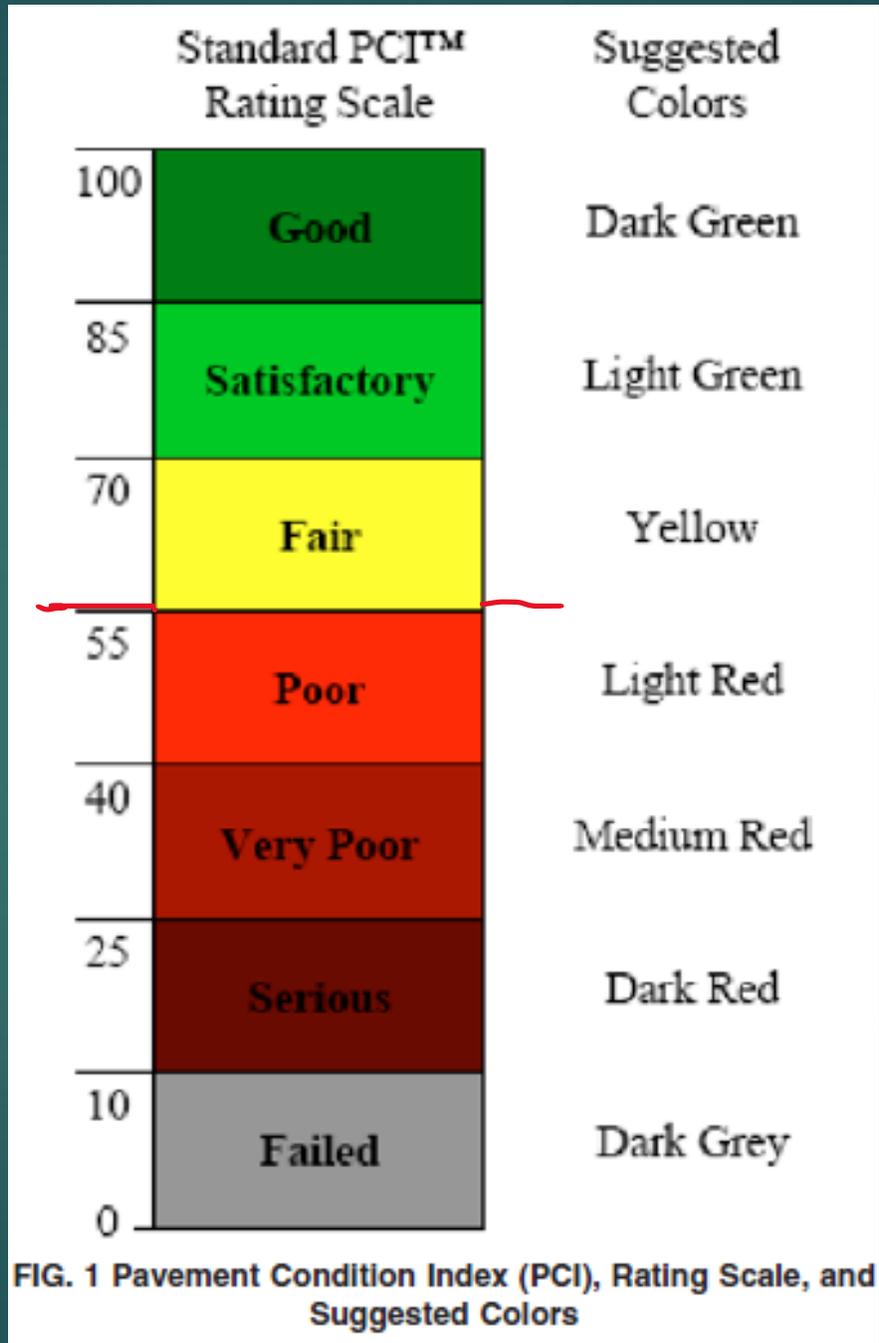
- Complete condition assessments at least every 3 years.
- Results of the 3 most recent assessments provide reasonable assurance assets are being preserved approximately at condition level established.
- Estimate 5-year annual cost to maintain assets at condition level established.

Roads

AMERICAN STANDARDS FOR
TESTING AND MATERIALS (ASTM)
INCLUDES A PAVEMENT
CONDITIONS INDEX (PCI) RATING
SCALE

- Fair or better...55 to 100

ASTM D6433 - 07



The Department of Public Works recommends that 50% of the County maintained road system be maintained at a rating of Fair or Better.

As of June 30, 2023, the condition of the County's 828 miles of paved roads were rated overall at 43% Fair or Better.

Paved Roads	Arterial & Collectors		Local		Combined Totals	
	Number of Miles	Percent	Number of Miles	Percent	Number of Miles	Percent
Good	87	30%	118	23%	205	25%
Fair	54	20%	90	17%	144	18%
Poor	142	50%	315	60%	457	57%
Total	283	100%	523	100%	806*	100%

Bridges

The County of Tehama maintains the Bridge system utilizing Microsoft Excel as a Bridge Database using the modified approach. The County combines several factors to establish a scale from 0 to 100 giving a rating to each structure in the inventory. A scale has been established with scaling from poor to excellent and are rated as follows:

Excellent	-----	90-100
Good	-----	80-89
Fair	-----	50-79
Poor	-----	0-49

The Department of Public Works recommends 75% of its bridge structures be maintained at a Fair to Better rating.

As of June 30, 2023, the County's bridge inventory was rated at 92% Fair or Better.

	Total	Exc.	%	Good	%	Fair	%	Poor	%
Concrete Bridges*	148	36	24.3%	28	18.9%	67	45.3%	17	11.5%
Box Girder	17	10	58.8%	4	23.5%	2	11.8%	1	5.9%
Tee Beam	15	1	6.7%	4	26.7%	6	40.0%	4	26.7%
Pony Truss	18	0	0.0%	0	0.0%	8	38.9%	10	61.1%
Thru Truss	2	0	0.0%	0	0.0%	1	50.0%	1	50.0%
Wood	2	0	0.0%	0	0.0%	2	100%	0	0.0%
Grid Deck	37	0	0.0%	2	2.7%	34	94.6%	1	2.7%
Steel Deck w/ St Girder	58	2	3.4%	8	13.8%	39	67.2%	9	15.6%
Conc Deck w/ St Girder	33	0	0.0%	4	12.1%	22	66.7%	7	21.2%
Wood Deck w/ St Girder	1	0	0.0%	0	0.0%	0	0.0%	1	100%
Concrete Box Culverts	159	21	12.6%	70	46.7%	68	42%	0	0.0%
Precast Con Boxes	20	0	0.0%	2	10.0%	18	90%	0	0.0%
Pipes (3 Ft & Larger)	144	7	4.9%	35	24.3%	102	70.8%	0	0.0%
Bailey Bridges	0	0	0%	0	0.0%	0	0.0%	0	0.0%
Multiplate	1	1	100%	0	0.0%	0	0.0%	0	0.0%
Shipyard Trailers	4	0	0.0%	0	0.0%	0	0.0%	4	100%
Concrete Slabs	30	0	0.0%	0	0.0%	30	100%	0	0.0%
TOTAL	689	78	11.1%	157	23.5%	399	57.5%	55	7.9%

Notes:

1. 293 bridges are 20' or longer, placing them on the Federal Bridge Inventory and subject to Caltrans' inspections on a two- or four-year cycle. *8C0378 Sac River overflow on Jelly's Ferry Rd added to NBIS, increased total number inspected by Caltrans from 292 to 293.
2. 83 bridges are less than 20' long, inspected by DPW staff.
3. 313 bridges are actually concrete box culverts, pipes 3' or greater in diameter or concrete slabs.
4. *8C0310 Flourney Bridge moved from Fair to Poor due to collapse.

Signs

THE CALTRANS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) RANKS THE ASSETS AS EITHER PASS/FAIL BASED ON RETROREFLECTIVITY



	No. St Name Signs	No. Traffic Signs	Total	Percent Pass/Fail
Pass	3457	4179	7636	94.1
Fail	0	475	475	5.9
Total	3457	4654	8111	100

As of June 30, 2023, the County's maintained Sign inventory pass condition rating was at 94%
Passing.

Road Maintenance



Cost of Maintenance in Prior Years

<u>Fiscal Year</u>	<u>Total Expenditures</u>	<u>Road and Bridge Construction Projects</u>	<u>Expenditures Net of Projects</u>
2022/2023	\$18,305,512	\$6,832,286	\$11,473,226
2021/2022	\$30,859,840	\$21,024,976	\$9,834,864
2020/2021	\$25,859,167	\$15,328,401	\$10,530,766
2019/2020	\$17,852,208	\$8,610,417	\$9,241,791
2018/2019	\$9,994,929	\$3,929,431	\$6,065,498
			5-year average: \$10,029,229

Estimated Annual Cost
for the next 5 years to Maintain
50% of the roads and
75% of the bridges in a Fair
condition and signs in a Pass
condition rating:

\$23,000,000

Chip seal “at grade” video

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Chip seal drone video

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Questions?