

## 2026 TAMP Kick-Off Agenda

- TAMP Fundamentals
- Asset Inventory and Condition
- Financial Planning
- Target Setting
- Closing Remarks for Workshop

Workshop will be recorded and posted to:

https://dot.ca.gov/programs/asset-management/california-transportation-asset-management-plan

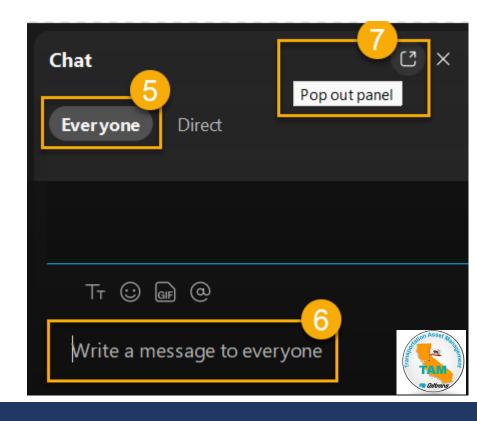


#### Webex Quick-Guide

• Function Bar



- 1 = Audio Settings
- 2 = Raise Hand
- 3 = Participant Panel
- 4 = Chat
- Chat Use Chat to Everyone (5 and 6)
- Pop out option for Chat Panel and Participant Panel
   (7)
- If you need technical assistance or have questions, please email: <u>CT-TAM@dot.ca.gov</u>





## TAMP Purpose

 Maximize investments by managing the life-cycle of transportation assets strategically to minimize costs

- Meet state and federal TAMP Requirements
  - State: (California Government Code section (14526) modified by Senate Bill 486)
  - Federal: (23 U.S.C. 119(e)(1), MAP-21 § 1106)



# Background (Federal Law – MAP-21 - IIJA)

 Federal Regulation (MAP-21-IIJA) requires the development of a Transportation Asset Management Plan (TAMP) with National Performance Measures for pavement and bridges.

• The TAMP shall include the entire National Highway System (NHS).

 The TAMP Requires the implementation of Performance
 Management which requires performance targets to be set using the National Measures.

## Background (California Government Code SB 486)

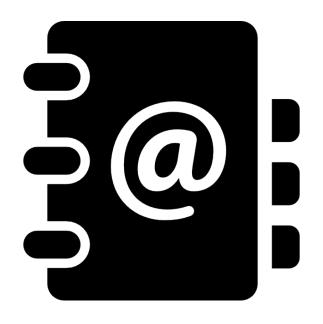
- Government Code requires a "robust asset management plan" to guide the selection of projects in the SHOPP.
- The Asset Management Plan shall be consistent with Federal Law.
- Performance measures and targets are approved by the CTC.
- Projects shall be limited to maintenance, safety, operation, and rehabilitation of state highways and bridges that do not add a new traffic lane to the system.



## MPO/City/County Role in the TAMP

- Sets performance targets for condition of NHS pavement and bridges over a 10-Year time period.
- Targets are set for the entire NHS regardless of owner.
- NHS is owned by both Caltrans and local cities and counties.
- MPOs are recognized in federal asset management law.
  - OCities and counties are responsible for implementing asset management
  - Ocities and counties are encouraged to work through the MPO to ensure their assets, funding, and targets are reflected in the MPO submittal.
- Caltrans and MPOs have established agreements specific to asset management in support of federal requirements.

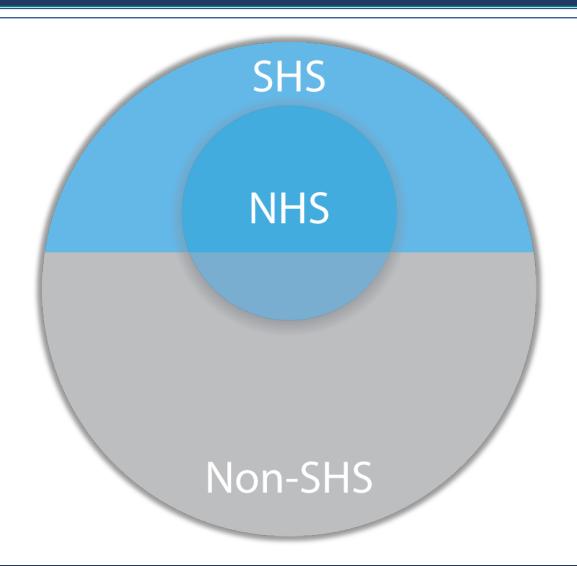
#### MPO Contacts



Please identify the designated point of contact for your MPO and enter this in the chat.



#### Assets in the California TAMP



SHS - State owned and managed

NHS - Federally designated and State and locally owned and managed

Non-SHS - Locally owned and managed (off the SHS)

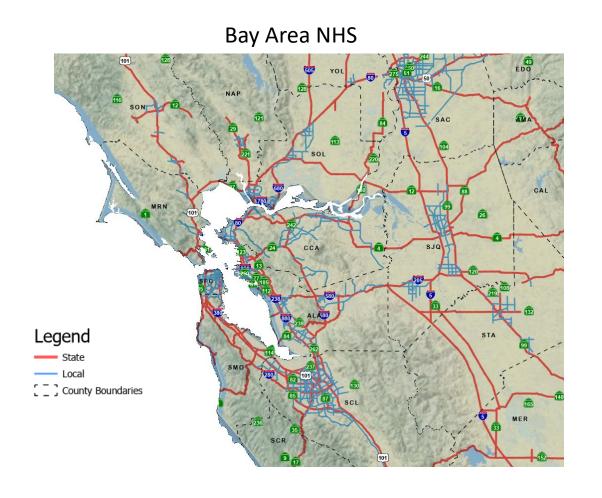


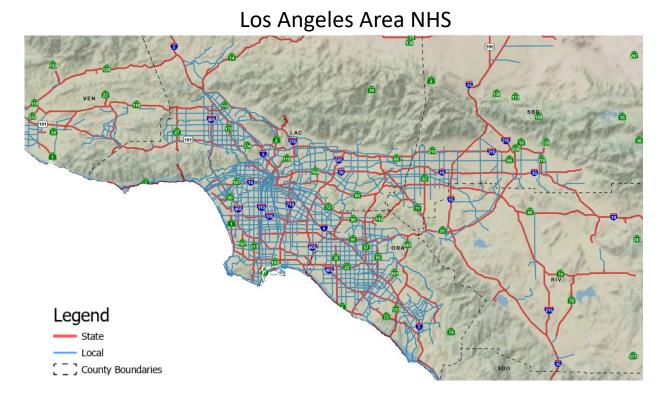
## California NHS





# NHS – Bay Area & Los Angeles Area







# NHS Federal Requirements SHS State Requirements





## TAMP Fundamentals - Required Elements



NHS Pavement and Bridge Inventory & Condition



Financial Planning



Performance Targets & Gaps



Risk Management



Life Cycle Planning



**Investment Strategies** 



**Process Improvements** 



2026 TAMP Kick-Off, March 26, 2025

- Good/fair/poor measure determined based on 4 metrics
  - If all are good the combined measure is good
  - If ≥2 metrics are poor the combined measure is poor
- Need to report conditions and targets for % good and poor for Interstate and non-Interstate NHS
- Rule sets an additional goal of <5% poor for Interstates (currently 2.4%)

23 U.S.C. 119(e)(1), MAP-21 § 1106 - Subpart C (490.300s)

HPMS Field Manual: https://www.fhwa.dot.gov/policyinformation/hpms.cfm

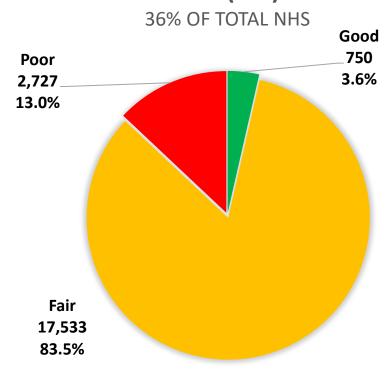
#### **NHS Pavement Condition Thresholds**

Condition Thresholds											
Metric	Good	Fair	Poor								
IRI (inches/mile)	<95	95-170	>170								
Cracking (%)											
- Asphalt	<5	5-20	>20								
- Jointed Concrete	<5	5-15	>15								
- Continuously Reinforced Concrete	<5	5-10	>10								
Rutting (inches)	<0.20	0.20-0.40	>0.40								
Faulting (inches)	<0.10	0.10-0.15	>0.15								

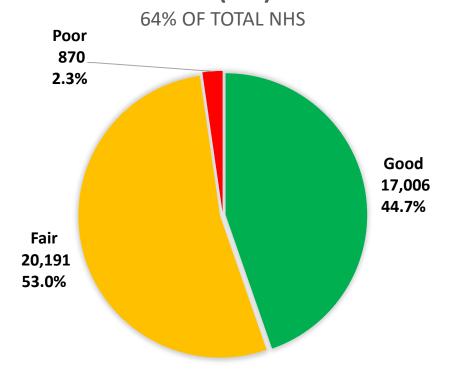


#### 2024 Performance Measures: Local vs State NHS Pavement

#### LOCAL LANE MILES (LM) OF PAVEMENT



#### STATE LANE MILES (LM) OF PAVEMENT





## National Bridge Performance Measures

- Good/Fair/Poor measure based on NBI ratings
  - Use minimum of deck, superstructure, and substructure
  - Report conditions and targets for % good and poor for NHS bridges
- Additional goal of ≤10% of the NHS bridge deck area structurally deficient (currently 6.7%)

23 U.S.C. 119(e)(1), MAP-21 § 1106 - Subpart D (490.400s)
NBI Coding Manual: https://www.fhwa.dot.gov/bridge/mtguide.pdf

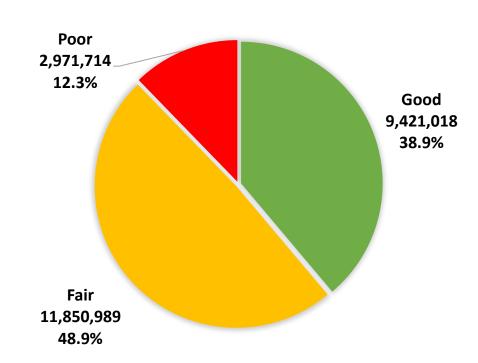
	NBI Rating Scale (from 0 - 9)	9 8 7 Good	6 5 Fair	4 3 2 1 0 Poor			
	Deck (Item 58)	≥7	5 or 6	≤4			
Bridge	Superstructure (Item 59)	≥ 7	5 or 6	≤ 4			
	Substructure (Item 60)	≥ 7	5 or 6	≤ 4			
	Culvert (Item 62)	≥ 7	5 or 6	≤ 4			



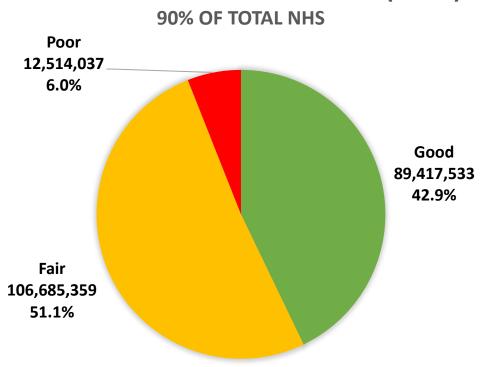
#### 2024 Performance Measures: Local vs State NHS Bridges

#### LOCAL NHS BRIDGE DECK AREA (SQFT)

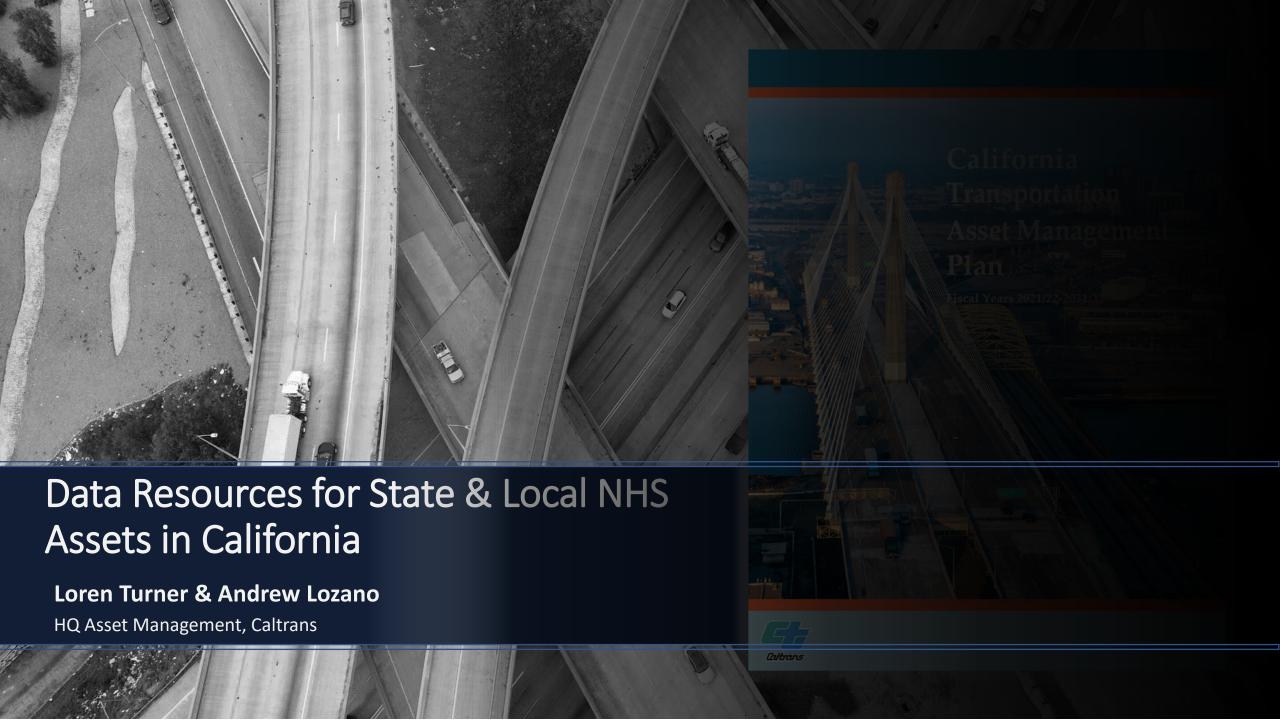
10% OF TOTAL NHS



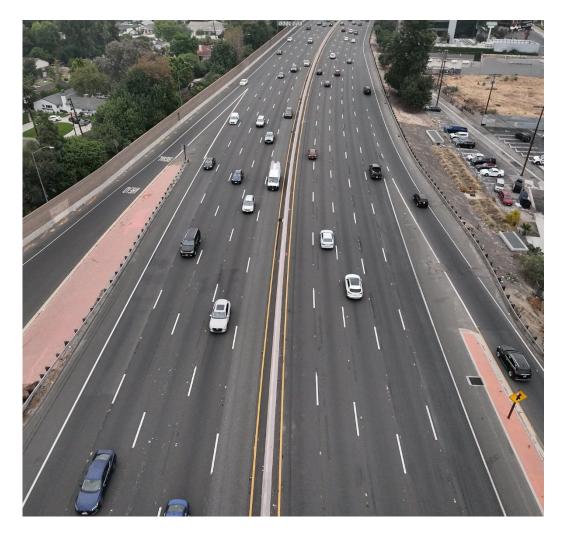
#### STATE NHS BRIDGE DECK AREA (SQFT)







## Data for Pavement & Bridges on the NHS



 Caltrans collects pavement condition data for the full NHS (state and local owned) based on federal performance metrics and submits this to the FHWA annually through the *Highway Performance Monitoring System (HPMS)*.

https://www.fhwa.dot.gov/policyinformation/hpms.cfm

 Caltrans collects bridge condition data for all state and most local bridges on the NHS. Data is submitted annually to the FHWA as part of the National Bridge Inventory (NBI) process.

https://www.fhwa.dot.gov/bridge/nbi.cfm

## NHS Inventory and Condition Data Files

- To support development of the 2026 TAMP, Caltrans has prepared a suite of mapping and tabular data products for each MPO/RTPA region.
- The data files include HPMS and NBI condition data for the NHS pavement and bridge assets owned by each agency.



# **Excel Spreadsheets**

Tabular data with inventory and condition data and other key asset attributes.



#### PDF Map Plates

Formatted map plates showing local NHS pavement and bridge assets in the MPO region.



#### ArcGIS Geodatabase

Data files to support advanced mapping and further geospatial analyses.



## Google Earth KMZ

Data files to support map-based visualization of NHS assets in the context of satellite imagery.



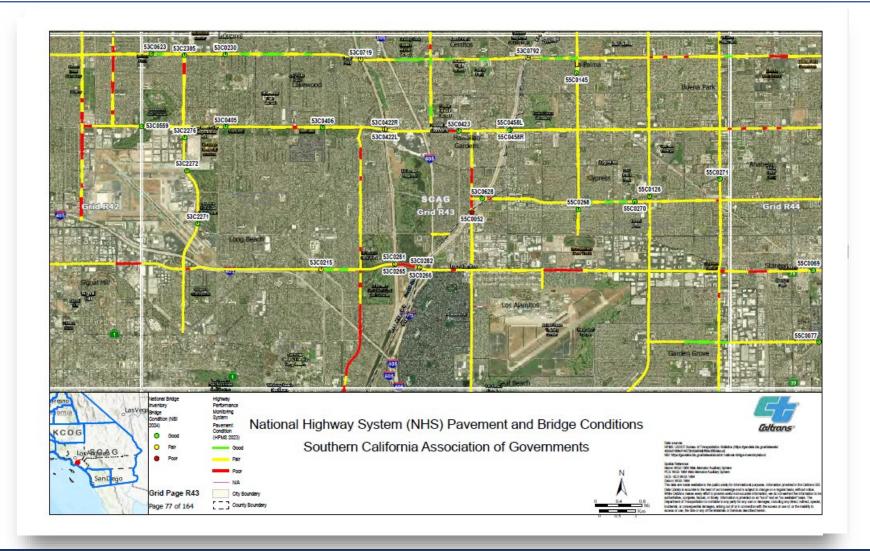
2026 TAMP Kick-Off, March 26, 2025

# Excel Spreadsheets

A	В	С	D	Е	F	G	Н	1	J	K	L	M	N	0	Р	Q	R
ROUTE ID	BEGIN	<b>ENDPOI</b>	FACILITY_T	AADT	IRI	RUTTING	<b>FAULTING</b>	CRACKIN	<b>OWNERSHI</b>	OWNERSHIP	F_SYSTEM	<b>PAVEMENT</b>	IRI	RUTTING	<b>FAULTING</b>	CRACKING	LANES
	POINT	NT	YPE		(inches/m	(inches)	(inches)	G (%)	P (LOCAL or	(INTERSTATE		OVERALL	CONDITION	CONDITION	CONDITION	CONDITION	
					ile)				STATE)	or NON-		CONDITION					
										INTERSTATE)							
1		~		~	▼	~	*	•	•	▼	~	~	_	•	_	_	
2 CC_ECR_SAN PAB			Two-Way Ro		230		<null></null>		7 Local		Principal Arterial-Ot		Poor	Good	<null></null>	Fair	4
3 SHS_078P	0.066		Two-Way Ro		153		<null></null>		State		Principal Arterial-Ot	Fair	Fair	Good	<null></null>	Poor	6
4 SHS_036P	125.1		Two-Way Ro				<null></null>		State	Non-Interstate		Good	Good	Good	<null></null>	Good	2
5 SD_SMCS_N TWIN	2.994	3	Two-Way Roa	10559	164	0.19	<null></null>	!	Local	Non-Interstate	Principal Arterial-Ot	Fair	Fair	Good	<null></null>	Fair	4
6 SHS_082P	40.103	40.182	Two-Way Roa	28750	316	<null></null>	0.03	;	3 State	Non-Interstate	Principal Arterial-Ot	Fair	Poor	<null></null>	Good	Good	6
7 KER_BKD_S MOUN	1.94	1.964	Two-Way Roa	14004	122	0.17	<null></null>	:	L Local	Non-Interstate	Principal Arterial-Ot	Fair	Fair	Good	<null></null>	Good	4
8 SHS_395P	444.9	445	Two-Way Roa	905	72	0.19	<null></null>	:	l State	Non-Interstate	Principal Arterial-Ot	Good	Good	Good	<null></null>	Good	2
9 ORA_ANA_S EUCL	4.386	4.4	Two-Way Roa	41851	130	0.08	<null></null>	(	Local	Non-Interstate	Principal Arterial-Ot	Fair	Fair	Good	<null></null>	Good	4
10 LA_VER_E 37TH ST	1.1	1.127	Two-Way Roa	21683	112	<null></null>	0.08	10	Local	Non-Interstate	Principal Arterial-Ot	Fair	Fair	<null></null>	Good	Fair	4
11 SHS_088P	120.8	120.9	Two-Way Roa	3325	71	0.19	<null></null>	4	1 State	Non-Interstate	Principal Arterial-Ot	Good	Good	Good	<null></null>	Good	2
12 SHS_198P	96.6	96.605	Two-Way Roa	34000	108	<null></null>	0.02		State	Non-Interstate	Principal Arterial-Ot	Fair	Fair	<null></null>	Good	Good	4
13 SHS_199P	15.8	15.9	Two-Way Roa	5050	67	0.14	<null></null>		State	Non-Interstate	Principal Arterial-Ot	Good	Good	Good	<null></null>	Good	4
14 LA_CO_PECK RD_I	0.588	0.6	Two-Way Roa	17779	224	0.16	<null></null>	24	1 Local	Non-Interstate	Principal Arterial-Ot	Poor	Poor	Good	<null></null>	Poor	4
15 SHS_273P	11.2	11.205	Two-Way Roa	14750	104	0.14	<null></null>	13	State	Non-Interstate	Principal Arterial-Ot	Fair	Fair	Good	<null></null>	Fair	4
16 SHS_040P	38.9	39	Two-Way Roa	16000	72	0.19	<null></null>	10	State	Interstate	Interstate	Fair	Good	Good	<null></null>	Fair	4
17 SHS_395P	199.9	200	Two-Way Roa	7000	49	0.12	<null></null>	-	7 State	Non-Interstate	Principal Arterial-Ot	Fair	Good	Good	<null></null>	Fair	4
18 ORA_STT_KNOTT	0.923	0.998	Two-Way Roa	36592	199	0.2	<null></null>	10	Local	Non-Interstate	Principal Arterial-Ot	Fair	Poor	Fair	<null></null>	Fair	4
19 SHS_001P	117.6	117.7	Two-Way Roa	7650	71	0.11	<null></null>		State	Non-Interstate	Principal Arterial-Ot	Good	Good	Good	<null></null>	Good	2
20 SHS_089P	208.104	208.115	Two-Way Roa	1375	109	0.2	<null></null>		3 State	Non-Interstate	Principal Arterial-Ot	Fair	Fair	Fair	<null></null>	Fair	2
21 LA_VER_S ATLANT	1.8	1.804	Two-Way Roa	22055	411	<null></null>	0.1		Local	Non-Interstate	Principal Arterial-Ot	Fair	Poor	<null></null>	Fair	Good	4
22 SHS_273P	0.261	0.3	Two-Way Roa	8150	71	0.09	<null></null>		State	Non-Interstate	Principal Arterial-Ot	Good	Good	Good	<null></null>	Good	4
23 SHS_140P	83.6	83.7	Two-Way Roa	1950	181	0.11	<null></null>	!	State	Non-Interstate	Principal Arterial-Ot	Fair	Poor	Good	<null></null>	Fair	2
24 ORA_SLB_BOLSA	6.305	6.323	Two-Way Roa	21551	174	0.07	<null></null>		Local	Non-Interstate	Principal Arterial-Ot	Fair	Poor	Good	<null></null>	Good	4
25 SCL_SCL_E ARQUE	0.3	0.4	Two-Way Roa	12670	159	0.2	<null></null>		3 Local	Non-Interstate	Principal Arterial-Ot	Fair	Fair	Fair	<null></null>	Good	4
26 SB_GLTA_N PATTE	0.6	0.7	Two-Way Roa	8421	148	0.1	<null></null>		2 Local	Non-Interstate	Principal Arterial-Ot	Fair	Fair	Good	<null></null>	Good	4
27 SHS_004P	60.076	60.095	Two-Way Roa	17900	91	0.1	<null></null>		L State	Non-Interstate	Principal Arterial-Ot	Good	Good	Good	<null></null>	Good	7
28 ORA_MSNV_MUIF	2.702	2.8	Two-Way Roa	10659	146	0.1	<null></null>		Local	Non-Interstate	Principal Arterial-Ot	Fair	Fair	Good	<null></null>	Fair	4
29 SHS_680P	42.2	42.3	Two-Way Roa	156000	69	0.13	<null></null>		State	Interstate	Interstate	Good	Good	Good	<null></null>	Good	1
30 SHS 072. P	6.234	6.263	Two-Way Ro	27000	269	0.26	<null></null>		State	Non-Interstate	Principal Arterial-Ot	Fair	Poor	Fair	<null></null>	Good	4

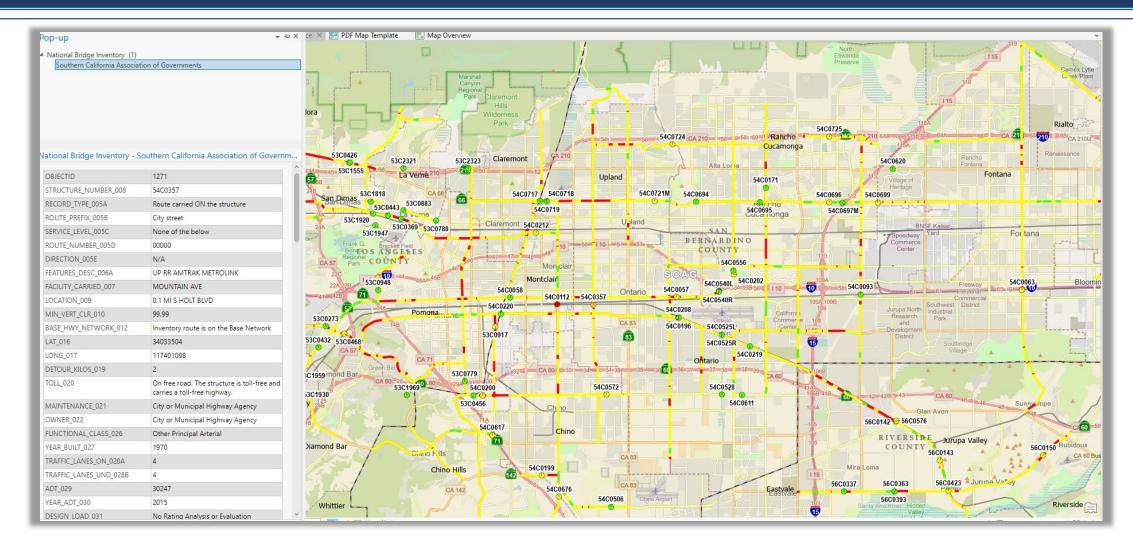


# PDF Map Plates



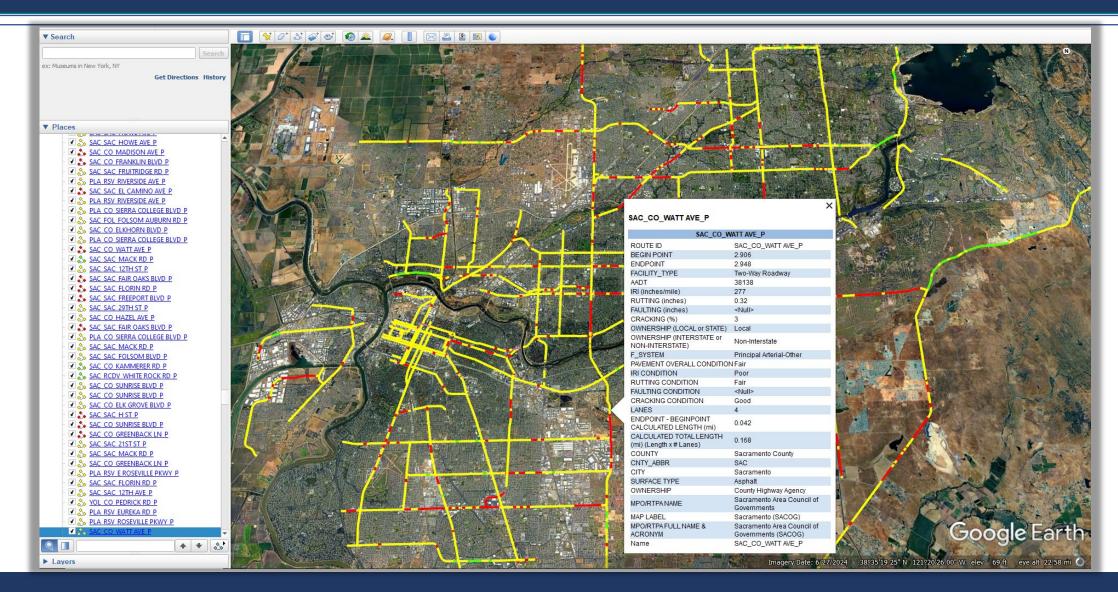


#### ArcGIS Geodatabase





# Google Earth KMZ (Demonstration)





## Using the NHS Pavement & Bridge Data

- The set of mapping and tabular data products for each MPO/RTPA region will be provided to each agency following the workshop.
- Additional resources on how to use the data products will be available on the Caltrans website for the 2026 TAMP at:
  - https://dot.ca.gov/programs/asset-management/california-transportation-asset-management-plan
- An optional virtual session will be set up for next week to provide guidance on using the NHS Pavement & Bridge data products.



#### **Break**



(Please return in 10 minutes)







NHS Pavement and Bridge Inventory & Condition



Financial Planning



Performance Targets & Gaps



Risk Management



Life Cycle Planning



**Investment Strategies** 



**Process Improvements** 



# Financial Planning in the TAMP

#### **TAMP Requirements:**

- Estimated cost of expected future work to implement the investment strategies of the asset management plan, by fiscal year and work type.
- Estimated funding levels to address the costs of future work types by fiscal year.
- Identification of anticipated funding sources and magnitude of available resources for asset management.
- Asset valuation estimate for NHS pavements and bridges assets and the needed annual investment to maintain asset value.





## Projecting Local NHS 10-year Investments

#### **STEP 1:**

Obtain statewide expenditure data from the State Controller's Office (SCO) *By the Numbers* website. (<a href="https://bythenumbers.sco.ca.gov/">https://bythenumbers.sco.ca.gov/</a>)

#### **STEP 2:**

Assign project level expenditures to pavement or bridge work (based on "Expenditure Description" attribute) and FHWA work type (based on "Expenditure Class" attribute).

#### **STEP 3:**

Include other project related expenses such as right of way and administration and engineering support.

#### **STEP 4:**

Expenditures by Federal Work Type for each MPO are multiplied by proportion of NHS inventory to total local inventory within the region.

#### **STEP 5:**

Develop initial estimate of projected NHS investments based on past 2-year expenditures.



#### Financial Data To Be Provided

- Caltrans will provide an estimate of expected annual investments in NHS pavements and bridges for each MPO.
- Provide breakdown by Federal Work Type.
- Based on a 2-year annual average of SCO expenditure data as reported by local agencies.
- Projection assumes cities and counties will invest in NHS assets in proportion to the local inventory.







NHS Pavement and Bridge Inventory & Condition



Financial Planning



Performance Targets & Gaps



Risk Management



Life Cycle Planning



**Investment Strategies** 



**Process Improvements** 



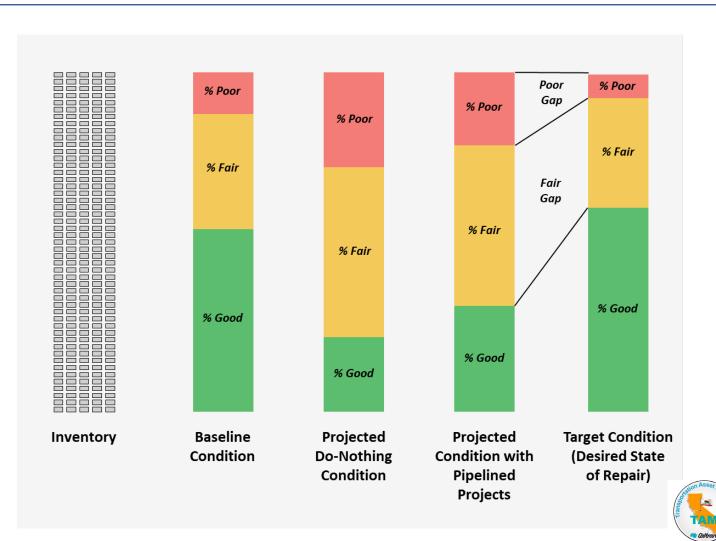
## TAMP Performance Targets

- Asset performance targets specify conditions California seeks to achieve and sustain over a 10-year period and will be used to guide strategic planning decisions.
- The FHWA also require 2 & 4 year targets to measure progress.
- The California TAMP targets will need to reflect the varied starting condition levels and funding availability of NHS asset owners.
- Desired State of Repair (DSOR) Targets may be updated in the 2026 TAMP.
- If progress isn't made, investment strategies in TAMP are reviewed to determine what adjustments are needed.



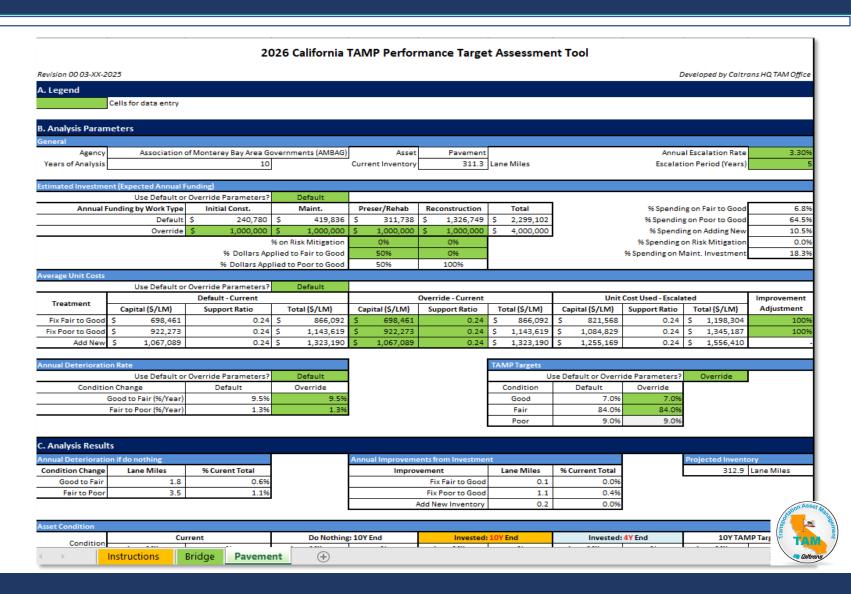
# Performance Gap Analysis

- Baseline Condition is from latest Caltrans submittal to FHWA
- Project Do-Nothing Condition is from asset deterioration
- Projected Condition with Pipeline Projects is from all the construction work in the 5 federal work types programmed in the STIP/SHOPP/Local CIP/Maintenance Programs
- Target Condition is the Desired State of Repair (DSOR) at end of 10-year period
- Performance Gaps is the difference between Projected Condition and DSOR Target



# Performance Target Analysis Tool (PTAT)

- Purpose
  - Target Setting
  - Gap Analysis and Needs
  - Evaluation of Investment Strategies
- Excel Tool
  - Instructions
  - Tool
    - Bridge Tab
    - Pavement Tab



### Instructions

 Detailed instructions on how to use the tool (Bridge and Pavement Tabs)

#### Instructions

#### 1. Overview

This tool is developed for the 2026 TAMP to establish agency-specific long-term 10-Year and short-term 4-Year TAMP Targets for pavement and bridge assets on the NHS.

The tool is organized into four parts: A, B, C and D. Analysis inputs and summary of results are included in Part B ("Analysis Parameters") and Part C ("Analysis Results"). The user may input key assumptions in Part B of the Tool, including funding, unit costs and deterioration rates. Part C projects the asset conditions and estimates performance and cost gaps to achieve assumed targets.

The instructions below explain each part of the Tool in more detail.

#### 2. Instructions

#### A. Legend

Cells for data entry

Only the cells highlighted in green are editable. Other cells are either pre-set or calculated and not allowed for edits.

#### B. Analysis Parameters

#### General

#### Agency

The short or abbreviated name of your agency.

#### Asset

The type of asset analyzed, either Pavement or Bridge can be selected. Most agencies have both pavement and bridge assets. Sep worksheets created for Pavement and Bridge to run analysis and review results. Once satisfied with results, a final pdf and excel ve



Instructions Bridge Pavement



4

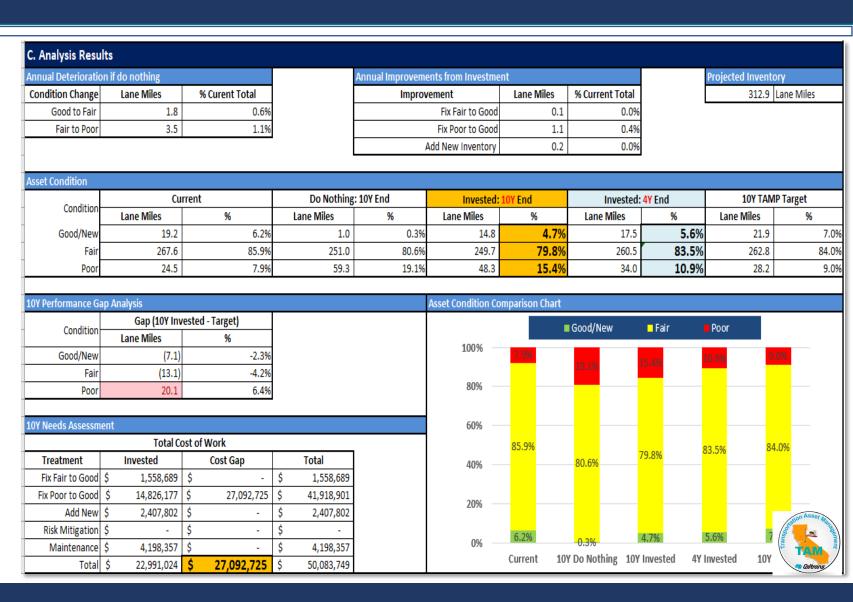
# Analysis - Input

- Parameters
  - Funding
  - Risk mitigation
  - Unit cost
  - Deterioration
  - Targets
- Override the Default values as needed

B. Analysis Paran	neters											
General												
Agency					Asset Pavement Annual Escalation					calation Rate	3.30%	
Years of Analysis	Years of Analysis 10			Current Inventory	311.3	Lane Miles Escala			ation	Period (Years)	5	
Estimated Investment (Expected Annual Funding)												
	Use Default or					ı						
Annual Funding by Work Type Initial Const.			Maint.	Preser/Rehab	Reconstruction	Tota			n Fair to Good Poor to Good			
Default \$ 240,780 \$			. ,		\$ 1,326,749	\$ 2,29	99,102					
Override \$ 1,000,000 \$					\$ 1,000,000	\$ 4,00	00,000		10.5%			
% on Risk Mitigation				0%	0%				0.0%			
% Dollars Applied to Fair to Good				50%	0%				18.3%			
% Dollars Applied to Poor to Good				50%	100%							
Average Unit Costs  Use Default or Override Parameters?  Default												
	Use Default or									1		
Treatment		Default - Current	- 1141		Override - Current		<i>(</i> )	Unit Cost Used - Escal				Improvement
-1 - 1	Capital (\$/LM)	Support Ratio	Total (\$/LM)	Capital (\$/LM)	Support Ratio	Total (\$/		Capital (\$/LM)	Support Ratio	+	otal (\$/LM)	Adjustment
Fix Fair to Good	+,	0.24	. ,		0.24	-	66,092	\$ 821,568	0.24	+-	1,198,304	100%
Fix Poor to Good		0.24	+ -/		0.24		43,619		0.24	+ -	1,345,187	100%
Add New	\$ 1,067,089	0.24	\$ 1,323,190	\$ 1,067,089	0.24	\$ 1,32	23,190	\$ 1,255,169	0.24	\$	1,556,410	-
Annual Deterioratio	n Data					TAMP Tar	rante					
Use Default or Override Parameters?  Default						Use Default or Override Parameters? Override					Override	
Condition Change Default Override Override						Condition Default Override				Override	J	
Good to Fair (%/Year)		9.5%				Good		7.0%				NON Asset As
Fair to Poor (%/Year)		1.3%	1.3%			Fair	-	84.0%		, ,		Tanagen Tanagen
1.070			1.570			Poo		9.0%		3		TAN TEN
						100		3.070	3.070	1		Caltrans .

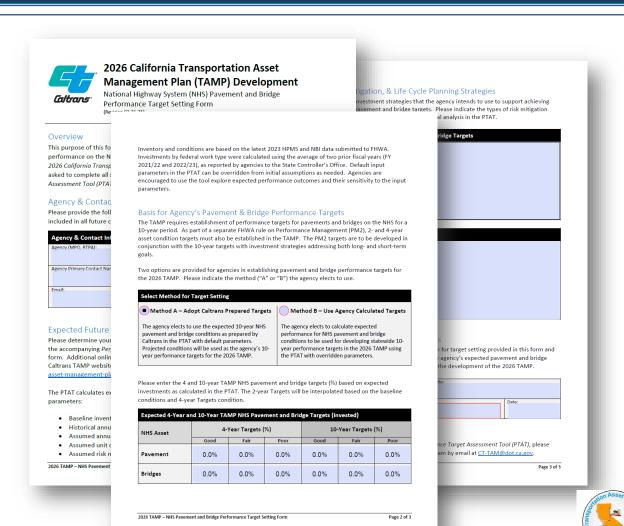
# Analysis - Results

- Projected asset condition
  - If "Do Nothing"
  - at given investment
- Performance gap
- Needs



# Performance Target Setting Form

- Agencies are asked to complete the PTAT and enter performance target outcomes on the *Performance Target* Setting Form.
- Agencies can elect from two options:
  - Method A: Adopt Caltrans Proposed Targets
  - Method B: Use Agency Calculated Targets
- PDF form support digital signature by the agency's Approving Official.
- Targets submitted will be basis for TAMP 2, 4, and 10-year targets.



# California NHS Target Setting Method

- Every MPO will submit a signed target setting form and PTAT worksheet.
- This is your opportunity to make adjustments for the 2026 TAMP.
- Caltrans will take the respective targets and weight them relative to the amount of inventory the agency owns.
- Summarize across entire state to come up with a statewide TAMP target.
- With this approach every agencies targets are built into the statewide TAMP targets.



# Example Pavement & Bridge Agency Roll-Up

#### CA 2016 Pavement Conditions (NHS) Target Calculator Tool

Target by 2017/18

	Target by 2017/18						
Jurisdiction	2016 Lane Miles (LM)	2016 Current Pavement Condition (%) Good(G) Fair(F) Poor(P)			% Target (F)	% Target (P)	% Impact to Statewide Lane Miles
State Interstate - NHS	14,159	47.9% 52	2.1%	3.1%	52.1%	3.1%	25.2%
Non Interstate - NHS	22,544	45.9% 54	4.0%	2.5%	54.0%	2.5%	40.2%
Butte (BCAG)	69	20.3% 79	9.6%	12.6%	79.6%	12.6%	0.1%
Fresno (FCOG)	479	17.5% 82	2.5%	4.2%	82.5%	4.2%	0.9%
Glenn CTC	6	10.1% 89	9.9%	0.0%	89.9%	0.0%	0.0%
Humbolt CAG	35	100.0% 0	0.0%	0.0%	0.0%	0.0%	0.1%
Kern (KCOG)	586	23.3% 76	6.7%	4.1%	76.7%	4.1%	1.0%
Kings (KCAG)	35	16.2% 83	3.8%	0.0%	83.8%	0.0%	0.1%
Lassen CTC	8	100.0% 0	0.0%	0.0%	0.0%	0.0%	0.0%
Madera (MCTC)	3	0.0% 10	00.0%	0.0%	100.0%	0.0%	0.0%
Merced (MCAG)	87	17.7% 82	2.2%	15.2%	82.2%	15.2%	0.2%
Metropolitan (MTC)	2,995	12.7% 87	7.2%	11.1%	87.2%	11.1%	5.3%
Monterey (AMBAG)	218	16.0% 83	3.9%	8.1%	83.9%	8.1%	0.4%
Sacramento (SACOG)	1,149	17.5% 82	2.3%	14.4%	82.3%	14.4%	2.0%
San Diego (SANDAG)	991	10.8% 89	9.1%	8.8%	89.1%	8.8%	1.8%
San Joaquin (SJCOG)	545	13.9% 86	6.1%	6.8%	86.1%	6.8%	1.0%
San Luis Obispo (SLOCOG)	43	22.0% 77	7.9%	11.5%	77.9%	11.5%	0.1%
Santa Barbara (SBCAG)	131	11.8% 88	8.2%	7.9%	88.2%	7.9%	0.2%
Southern California (SCAG)	11,658	17.9% 82	2.0%	14.4%	82.0%	14.4%	20.8%
Shasta (SRTA)	9	28.3% 71	1.5%	15.5%	71.5%	15.5%	0.0%
Stanislaus (StanCOG)	219	26.4% 73	3.5%	13.2%	73.5%	13.2%	0.4%
Tahoe (TMPO)	5	100.0% 0	0.0%	0.0%	0.0%	0.0%	0.0%
Tulare (TCAG)	102	16.9% 83	3.1%	2.0%	83.1%	2.0%	0.2%
Grand Total	30.4% 63	3.5%	6.1%	63.51%	6.12%	100%	

### CA 2017 NBI Bridge Conditions (NHS) as of 8-15-2017 Target Calculator Tool

Target by 2017/18

						raigetby		
	Number of	Deck Area (SF)	2017 Current Bridge Health (%)			%	%	% Impact to
Jurisdiction			Good(G) Fair(F)		Poor(P)	Target	Target	Statewide
	Bridges	(5.7				(F)	(P)	Deck Area
State	9,196	210,774,774	69.4%	26.9%	3.7%	26.9%	3.7%	90.0%
Butte (BCAG)	7	40,085	23.3%	76.7%	0.0%	76.7%	0.0%	0.0%
Fresno (FCOG)	33	389,427	31.2%	68.0%	0.8%	68.0%	0.8%	0.2%
Humbolt CAG	2	5,113	0.0%	100.0%	0.0%	100.0%	0.0%	0.0%
Kern (KCOG)	70	859,612	63.2%	31.9%	4.9%	31.9%	4.9%	0.4%
Merced (MCAG)	10	52,958	33.3%	65.0%	1.7%	65.0%	1.7%	0.0%
Metropolitan (MTC)	288	4,641,759	45.6%	33.4%	20.9%	33.4%	20.9%	2.0%
Monterey (AMBAG)	11	121,969	11.1%	88.9%	0.0%	88.9%	0.0%	0.1%
Sacramento (SACOG)	97	1,272,986	51.9%	44.6%	3.5%	44.6%	3.5%	0.5%
San Diego (SANDAG)	68	1,265,363	33.7%	45.7%	20.6%	45.7%	20.6%	0.5%
San Joaquin (SJCOG)	33	539,939	77.8%	12.4%	9.8%	12.4%	9.8%	0.2%
San Luis Obispo (SLOCOG)	5	33,497	0.0%	100.0%	0.0%	100.0%	0.0%	0.0%
Santa Barbara (SBCAG)	27	167,659	48.1%	33.7%	18.2%	33.7%	18.2%	0.1%
Southern California (SCAG)	928	13,229,785	36.4%	49.3%	14.4%	49.3%	14.4%	5.6%
Shasta (SRTA)	3	133,860	94.1%	5.9%	0.0%	5.9%	0.0%	0.1%
Stanislaus (StanCOG)	9	188,185	24.6%	60.7%	14.7%	60.7%	14.7%	0.1%
Tulare (TCAG)	3	32,518	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Grand Total	10,825	234,285,883	66.5%	28.7%	4.8%	20.6%	3.5%	100.0%



### TAMP Fundamentals - Required Elements



NHS Pavement and Bridge Inventory & Condition



**Financial Planning** 



Performance Targets & Gaps



Risk Management



Life Cycle Planning



**Investment Strategies** 



**Process Improvements** 



# TAMP Risk Management

- Identification of risks that can affect condition of NHS pavements and bridges and NHS performance, including risks associated with current and future environmental conditions
- Assessment of the identified risks in terms of the likelihood of their occurrence and their impact and consequence if they do occur
- Evaluation and prioritization of the identified risks
- Mitigation plan for addressing the top priority risks
- Approach for monitoring the top priority risks
- Includes repeatedly damaged infrastructure

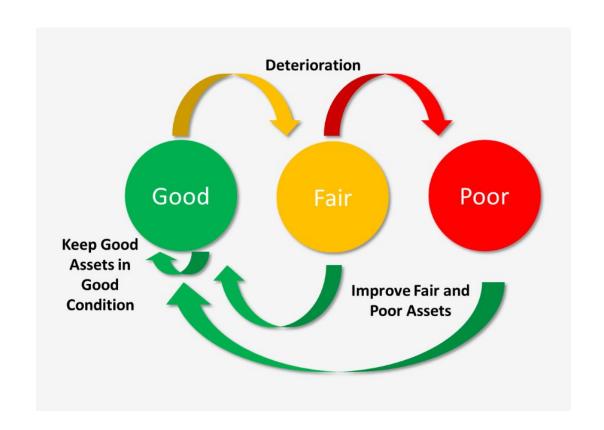




2026 TAMP Kick-Off, March 26, 2025

# TAMP Life Cycle Planning

- Identification of deterioration models
- Potential work types (i.e., initial construction, maintenance, preservation, rehabilitation and reconstruction), including treatment options and unit costs
- A strategy for minimizing life cycle costs and achieving performance targets
- Asset performance targets





### Investment Strategies Process Requirements

- The process must describe how investment strategies are influenced, at a minimum, by:
  - Performance gap analysis
  - Life cycle planning
  - Risk management analysis
  - Anticipated available funding and estimated cost of future work

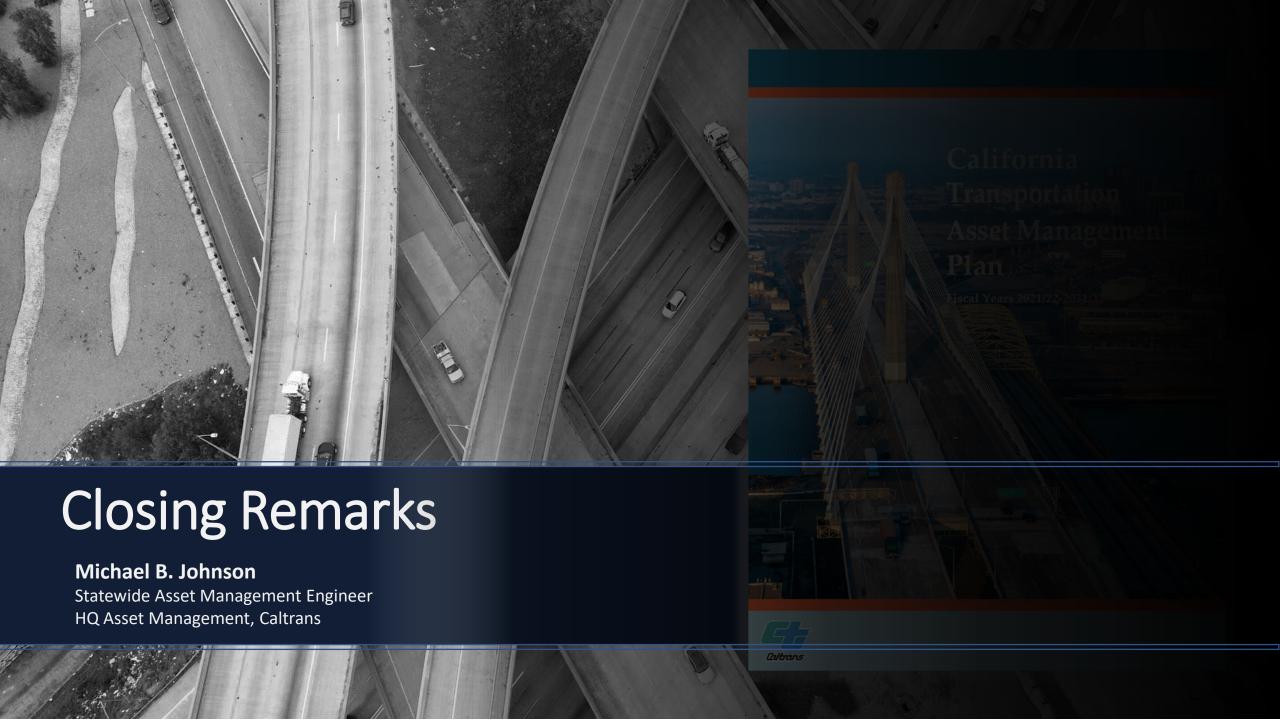


## Initial TAMP Investment Strategies

### For 2026 TAMP, we will revisit these strategies:

- Fix It First
- Incorporation of Risk Mitigation
- Focus on Selected Asset Classes
- Sustainable Pavement Practices
- Supplementary Asset Class (State Highway System Only)





## In Summary

- TAMP is required to cover entire NHS
- Must include pavement and bridges
- Must use national condition-based performance metrics
- Must include expected funding available for asset management
- Must set performance targets regardless of ownership
- May be extended beyond minimum Federal requirements
  - o California regulations add drainage, TMS, and supplementary assets for SHS only



### Next Steps & Action Items

- Please put designated MPO contact in the chat.
- Please review the video on Asset Management, Performance Management, and Planning and Programming on the TAMP website.
- Caltrans will be distributing information to the designated MPO contact to obtain inventory condition files, PTAT, and target setting form.
- Begin to get familiar with the PTAT Tool.



### Upcoming Webinar Sessions

- Virtual Help Sessions For Target Setting:
  - Using the NHS Pavement & Bridge data products April 2, 8:30 10:00 AM
  - Using the Performance Target Assessment Tool (PTAT) April 2, 10:15 11:45 AM
- Risk Management
  - Session 1 May 8, 9:00 11:00 AM (tentative)
  - Session 2 May 15, 10:00 AM 12:00 PM (tentative)
- Investment Scenarios June (TBD)



### **Questions?**



Contact: CT-TAM@dot.ca.gov

