Transportation Performance Management Webinar Series

Innovations in Caltrans' Performance Management Framework

Sponsored by AASHTO and FHWA

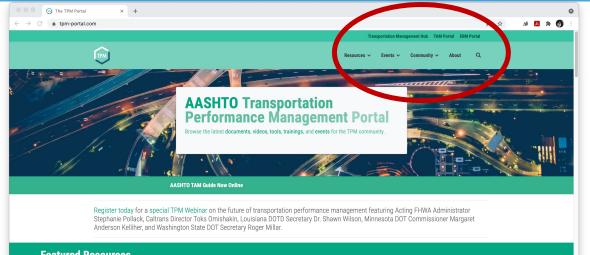




March 24, 2023 TPM Webinar 16

Transportation Performance Management Webinar Series

- Our TPM webinar series is held every two months, on topics such as communications, system performance management, data sources, and many more to come!
- Today is the 16th webinar in our bi-monthly series
- We welcome ideas for future webinar topics and presentations
- Use the webinar chat panel during the webinar
 - Submit questions for today's presenters
 - Submit ideas for future webinar topics





Find us on the AASHTO TPM Portal https://www.tpm-portal.com

AASHTO Introduction

Matthew H. Hardy, Ph.D.

Program Director for Planning and Performance Management, AASHTO mhardy@aashto.org





Webinar Agenda

- **1:00** Welcome, Introduction, and Agenda. Matt Hardy, AASHTO.
- 1:15 Caltrans Performance Management Approach.

Michael Johnson, Caltrans.

- Overview of the development of Caltrans' Operational Plans
- The TPM component of the plans
- The integration with PBPP and organizational performance outcomes

2:00 Discussion.

Moderated by Matt Hardy, AASHTO.

2:30 Wrap Up

Matt Hardy, AASHTO.

Caltrans Performance Management Approach

Michael Johnson P.E State Asset Management Engineer California Department of Transportation April 2023

Caltrans has 12 Districts

Diverse inventory and needs

Larger Caltrans Districts have more highway miles than some states

A more granular performance based asset management plan was needed to manage

Needed to operationalize the TAMP and TPM



California Transportation Asset Management Plan



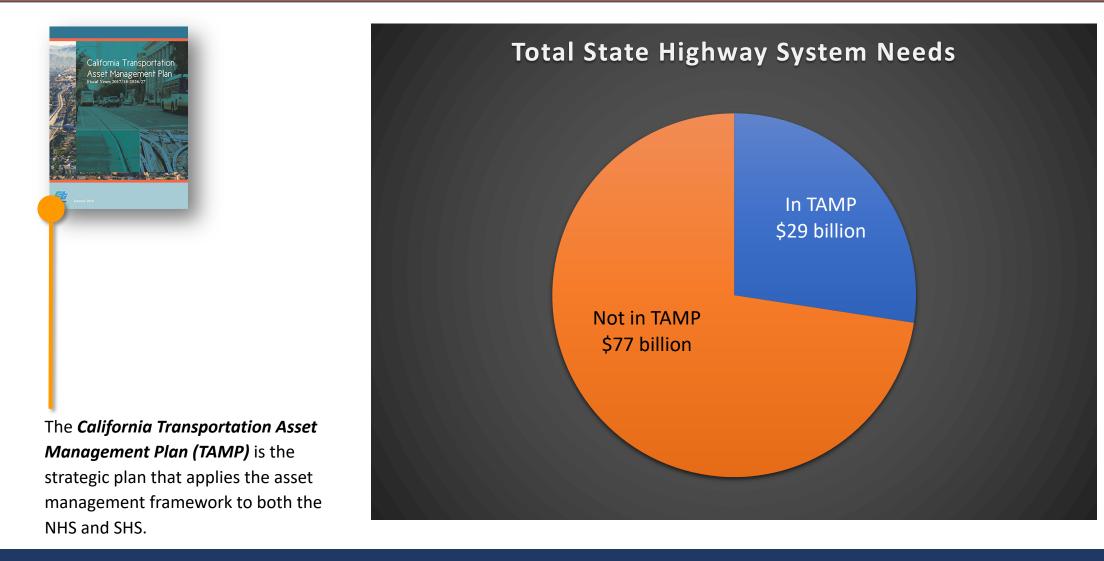
Asset Classes Included	National Highway System	State Highway System
Pavement	X	Х
Bridges	X	х
Culverts	Х	Х
Transportation Management Systems (TMS)	Х	Х

Presents a statewide inventory, condition and targets for the 4 asset classes (PM2)

The *California Transportation Asset Management Plan (TAMP)* is the strategic plan that applies the asset management framework to both the NHS and SHS.



California Transportation Asset Management Plan





Caltrans Asset Management Cycle



Plan (SHSMP) is an operational plan that includes all major physical assets and deficiencies on the SHS.

The *California Transportation Asset Management Plan (TAMP)* is the strategic plan that applies the asset management framework to both the NHS and SHS.

- We operationalize our TAMP through the State Highway System Management Plan
- Includes 33 different performance objectives
- Performance gap analysis is done at the Caltrans district level
- Brings PM1 (safety) and portions of PM3 (travel times) and climate resilience into Asset Management
- Granularity 33 objectives X 12 districts
 - ~400 different performance gap analysis
 - About 100 times more granular than TAMP

Three Types of Performance Models Used

Physical Asset Model

- Physical assets inventory and condition
- Predictable deterioration
- All physical Assets

Deficiency Model

- Applied to objectives that do not have a conditionbased need
- Known needs that do not impact condition
- Proactive safety, climate resiliency, stormwater ...

Reservation Model

- Unable to predict when/where needed will arise.
- Funding reservation based on 3 prior years
- Major damage, reactive safety projects...



Performance Analysis Timeline



Figure 2-7. Pipeline Projects and Remaining Performance Gap

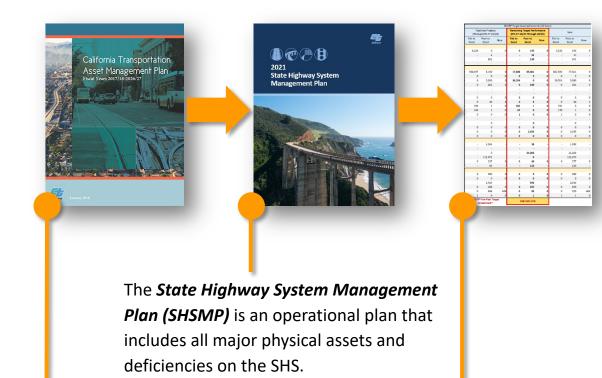
Excerpt of Performance Based Needs Assessment

			SHOPP (\$M)		Maintena	ance (\$M)				
Performance (formance Objectives		formance Objectives		Gap	Total 10-yr	Major Maintenance	Field Maintenance Crews	Strategic Goal	
Safety	Safety		\$5,432	\$7,950						
Proactive Safet	ty	\$1,303	\$3,832	\$5,134			Safety			
Reactive Safety	У	\$1,215	\$1,600	\$2,815			Safety			
Primary Assets	Primary Assets		\$16,803	\$29,056	\$5,094	\$1,454				
	Class1	\$4,196	\$7,710	\$11,906			Stewardship			
Pavement	Class2	\$3,003	\$2,695	\$5,698	\$3,328	\$160	Stewardship			
	Class3	\$335	\$675	\$1,010			Stewardship			
Bridge and Tur	nnel Health	\$1,890	\$4,309	\$6,199	\$1,386	\$740	Stewardship			
Drainage Resto	oration	\$1,907	\$1,297	\$3,204	\$300	\$286	Stewardship	otation		
Transportation	Transportation Management Systems		\$116	\$1,039	\$80	\$267	Stewardship	Trans		
Supplementar	Supplementary Assets		\$19,877	\$22,128						
Complete Stree	ets	\$798	\$13,109	\$13,907			Equity- Livability	s		



Slide 11

Caltrans Asset Management Cycle



The *California Transportation Asset Management Plan (TAMP)* is the strategic plan that applies the asset management framework to both the NHS and SHS.

District Performance Plans (*DPPs*) provide District-specific performance and funding targe derived from the SHSMP.

- Fiscally constrained district performance plans are developed
- The focus on aggregate project level performance outcomes
- Each District then develops a project portfolio that must achieve the performance
- There are financial incentives for them to be efficient
- This process ensures the projects achieve the desired constrained performance outcomes

District Level Performance Plans

			Base	line Perform	ance				ľ		SHOP	P Target /	Accomplishment	s (10 Years)			
Objectives	Unit	Baseline Inventoru	Good	Fair	Poor		tenance Ta ishments (1			lined Proje gh RTL FY 3		Perform	aining Target nance (RTL Through 30/3			Sum	
						Good to Good	Fair to Good	Poor to Good	Fair to Good	Poor to Good	New	Fair to Good	Poor to Ne Good	♥ Fair Goo		Poor to Good	New
Safety																	
Proactive Safety	Annual Fatal & Serious Injury Coll	1,046		-	1,046	-	-	-	-	26	-	-	6.2	-	•	33	-
Beactive Safety	-	-	-	-	-		-	-	<u> </u>		-	-	-	-	•	-	-
Primary Assets																	
Pavement Class I	Lane Mile	4,490		2,002	89		122	0	1,122	62	0	296	5		418	67	0
Pavement Class II	Lane Mile	1,311		873	14	588	46	0	597	2	0	284	6		881	8	0
Pavement Class III	Lane Mile	228	55	173	0	18	44	4	9	0	0	68	0	0	77	0	0
Bridge and Tunnel Health	Square Foot	63,819,806	48,329,365	14,136,053	1,354,388		2,241,878	268,436		784,786	0	105,938	107,800	0 493,		892,586	0
Drainage Restoration	Linear Foot	1,804,228	1,486,092	188,386	129,749	•	170,376	0	13,617	18,931	2,757	4,259	5,962		876	24,893	2,757
Transportation Management Sustems	Each	4,126	3,019	0	1,107			-	0	1,316	668	0	120	0	0	1,436	668
Supplementary Assets												-				45	
Drainage Pump Plants	Location	52	9	18	25	-		-	1	21	0	0	4	0	1	25	0
Lighting Rehabilitation	Each	24,366		2,860	16,591	-	-	-	0	3,991	104	0	464	0	0	4,455	104
Office Buildings	Square Foot	716,200	716,200	0	0	-	-	-	0	0	0	0	0	0	0	0	0
Overhead Sign Structures Rehabilitation	Each	4,612	2,490	1,526	596	-	-	-	29	387	13	0	85	0	29	472	13
ADA Pedestrian Infrastructure	Deficient Element	37,407		-	37,407	-	-	-		6,430		-	526	-		6,956	-
Safety Roadside Rest Area (SRRA) Rehab	Location	0	0	0	0	-	-	-	0	0	0	0	0	0	0	0	0
Transportation Related Facilities	Square Foot	509,658	213,304	129,212	167,142	•	-	-	0	20,623	22,603	0	8,171	0	0	28,794	22,603
Weigh-In-Motion Scales	Station	17	11	1	5			-	0	5	1	0	0	0	0	5	1
System Resiliency Objectives																	
Bridge Scour Mitigation	Square Foot	96,747	-	-	96,747	•	-	-	•	96,747	-	-	0	-	-	96,747	-
Bridge Seismic Restoration	Square Foot	1,529,189	-	-	1,529,189	-	-	-		700,669	-	-	37,189	-	-	737,858	•
Major Damage (Emergency Opening)				-	-	•	•	-		•	-	-	-	-	•	•	•
Major Damage (Permanent Restoration)	-		-	-		-	-	-			-	-	-	-	•	-	•
Roadway Protective Betterments	Location	19	-	-	19	•	-	-	•	0	-	-	1	-	-	1	-
Sea Level Rise	Deficient Unit	22	-	-	22		-	-	<u> </u>		-	-	-	-			
Other Assets and Objectives	0	00 700 770	45 000 000	5 004 000	44 404 700					00.404	4504			0		00.404	4504
Bridge Goods Movement Upgrades	Square Foot	62,762,772	45,969,960	5,631,032	11,161,780	-	-	-	0	66,424	1,594	0	0		0	66,424	1,594
Commercial Vehicle Enforcement Facilities	Square Foot	21,950	1,770	20,180		-	-	-	14,000	0	1,252	0	0		000	0	1,252
Complete Streets Fixing Existing		1,430,792	1,055,222	307,531	68,039	•	-	-	0	128,262	0	•	•	0	0	128,262	0
Complete Streets Building New	L time	2,221,357	U	U	2,221,357		-	-	0	168,703	U	0	159,921	0	0	328,624	0
Eish Passage	Location Della Vabiale Llavas of Dalar	11 F00.000		-	11		-	-		2	-	-	2	-	-	4	0
Operational Improvements	Daily Vehicle Hours of Delay	592,000		-	592,000	-	-	-		15,490	-	-	2,404	-	-	17,894	-
Belinquishments	·	-	-	-	E 400	•	-	-		-	-	-	-	-	-		-
Boadside Rehabilitation	Acre	7,278	791	1,054	5,433		-	-	· ·	236	0	0	113	0	0	349	0
Sign Panel Replacement	Each	17,346	1,365	U	15,981	•	-	-	0	4,593	U	0	626	0	0	5,219	0
Storm Water Mitigation	Compliance Unit	8,452		-	8,452	-	-	-	•	3,105	-	-	1,577	-	-	4,682	-
Transportation Management Systems/Stru	Each	4,126	3,998	0	128	•	-	-	0	0	668	0	0	0	0	0	668
Water and Wastewater Treatment at SRRA	Location	U	U	U	U	•			<u>`</u>		0	U	U	U	U	U	;
										PP Five-1		\$1,	757,272,284				
									l arge	t investm	ient						/

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Project Level Performance Definition

	SHOPP Project - Accomplishment - Performance Measures - Benefits																		
Distr	r ict: 05	Tool ID:	13575 🗸	Project ID:	0514000055 🗸	EA	: 1F700	~	Co-l	Rte-PM:	MON-101-	73.1/87.3	3 (Prima	ry Locatio	n) 🗸				
	Bridge	Pavement	N	lobility	Roadside	8	Complete St		Sustaina Climate			lvance Mi itigation	tigation	■ M &	lajor Da Better	amag ment			
	Performance & Accomplishments (CCA 🗸)																		
ActID			Activity	/ Detail			Perfo	rmance Objective	,	Unit of Measurement	Quantity	Pre- Good	Pre- Fair	Pre-Poo	r New	Post- Good		- Post- Poor	
1 B05	Mainline Existin	ng Asphalt CAPM (e.g	. 2" Thin Overlay with or w	ithout Wearing Surfac	e, Cold in Place, Digouts, Etc.) (20)1.121)Pavement Cla	ss II		Lane Miles	20.653	20.653				20.653	3		
2 B05	Mainline Existin	ig Asphalt CAPM (e.g	. 2" Thin Overlay with or w	ithout Wearing Surfac	e, Cold in Place, Digouts, Etc.) (20	1.121)Pavement Cla	ss II		Lane Miles	33.976		33.976			33.976	6		
3 B10	Existing Should	lers (201.121, .122, .1	120)				No Performan	ce Objective in the	SHSMF	Square Feet	2209700.000	D							
4 E02	Crash Cushions	s (201.010, .015)					No Performan	ce Objective in the	SHSMF	P Each	30.000			15.000	15.000	15.000			
5 E03	Drainage Impro	vements (201.010, .0)15)				No Performan	ce Objective in the	SHSMF	Each	4.000			4.000		4.000			
6 E07	Guard Rail (201	1.010, .015)					No Performan	ce Objective in the	SHSMF	Linear Feet	9317.000			5240.000	4077.000	5240.000			\square
7 E16	Rumble Strips (201.010, .015)					No Performan	ce Objective in the	SHSMF	Linear Feet	2408.000				2408.000				
8 E17	Signing (201.01	10, .015)					No Performan	ce Objective in the	SHSMF	P Each	121.000			44.000	77.000	44.000			\square
9 H32	Is any Location	Within the Project Lir	mits Ped/Bike Accessible?				No Performan	ce Objective in the	SHSMF	Yes/No	No		1						\square
10 H55	Justification for	Complete Streets No	t Applicable				Bike/Ped Proh	ib		1,2,3						1	1		\square
(Last Sa	aved - 06/08/21	@ 9:52 AM by Darro	n Hill)				1			1									-

Caltrans Asset Management Cycle

The *State Highway System Management Plan (SHSMP)* is an operational plan that includes all major physical assets and deficiencies on the SHS.

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State Highway System Management Plan

2021

The *California Transportation Asset Management Plan (TAMP)* is the strategic plan that applies the asset management framework to both the NHS and SHS.

California Transportation

Asset Management Plan

The quarterly **SHOPP Ten-Year Project Book Dashboard** establishes a 10-yr portfolio of projects to meet targets set forth in the TAMP and SHSMP. Portfolios are developed by the District to meet DPP fiscal and performance constraints. Projectbook.dot.ca.gov

STATE HIGHWAY OPERATION &

PROJECT BOOK

TEN-YEAR

District Performance Plans

(DPPs) provide District-specific performance and funding targets derived from the SHSMP.

The statewide project set is published quarterly

The project set includes all projects we plan to do in the coming 10 years

The statewide portfolio is fully transparent

A public facing dashboard allows anyone to identify projects of interest



Quarterly Certification of Portfolio Performance / Budget



District 4 Certification of the SHOPP Ten-Year Project Book Fiscal Year 2022/23, Quarter 2 February 22, 2023

This document certifies that the District's project portfolio meets fiscal and performance requirements as set forth in Asset Management policy, TAM 19-04, Criteria for Certification of the SHOPP Ten-Year Project Book (August 2019). The District's SHOPP performance targets and investment level for the last 5-years of the 2021 Ten-Year Plan are established in the 2021 District Performance Plan based on an investment plan from the 2021 State Highway System Management Plan (SHSMP).

Headquarters Asset Management in coordination with the Headquarters SHOPP Programs completed a review of the District's project portfolio based on schedule, cost, and performance information reported by the District through the Asset Management Tool to determine that requirements have been met. Approved exceptions to fiscal and performance requirements in accordance with TAM policies are summarized in Attachment A. A summary of project performance and costs is provided in fact sheets in Attachment B. A complete listing of the District's projects is in Attachment C.

I certify that to the best of my knowledge the District's Project Book portfolio is fiscally balanced, will achieve performance targets, and represents the best available estimates of project performance, schedule, and cost at this time.

APPROVED BY:

David Ambrahl

FOR DINA EL-TAWANSY **District 4 Director**

Michael Johnson

03/10/2023 Date

Date

03/02/2023

MICHAEL B. JOHNSON State Asset Management Engineer

5-Year Performance Targets

The District's project portfolio must meet or exceed all performance targets from the District Performance Plan over the last 5-year period.

Г		Performance Objective	Unit of Measure	Feir to Good SHSMP SHOPP Target	Peor to Good SHBMP SHOPP Target	Feirte Good Performance Balance or Gap	Poor to Good Performance Balance or Gap	Meeting F2G Performance?	Meeting P2G Performance?
	4	Proactive Safety	Annual Fatal & Serious Injury .	0.0	6.5	0,0	10,2	Yes	Yes
	Surfety	Reactive Safety	Annual Fatal & Serious Injury -	0.0	0.0	0.0	0.0	Yes	Yes
		Pavement Class I	Lane Miles	1,063.0	3.0	16.0	30.0	Yes	Yes
		Pavement Class II	Lane Miles	683.0	18.0	5.0	7.0	Yes	Yes
	Assets	Pevemant Class III	Lane Miles	91.0	6.9	17.0	4.0	Yes	Yes
		Bridge and Turnel Health	Square Feet	477,599.0	611,314.0	140,512.0	28,365.0	Yes	Yes
	Primary	Drainage Restoration	Linear Feet	4,016.0	1,111,0	36,461.0	2,092,0	Yes	Yes
		Transportation Hanagement Systems	Each	0.0	620.0	0.0	0.0	Yes	Yes
		Drainage Pump Plants	Locations	0.0	14.0	0.0	5.0	Yes	Yes
		Lighting Rehabilitation	Each	0.0	454.0	0.0	823.0	Yes	Yes
	Annets	Office Buildings	Square Feet	0.0	0.9	0.9	0.0	Yes	Yes
		Overhead Sign Structures	Each	0.0	\$1.0	0.9	2.0	Yes	Yee
	rentery	Rehabilitation ADA Pedestrian Infrestructure	Deficient Elem.	0.0	1,141,0	0,0	282.0	Yes	Yes
	anjdan	Safety Roadalde Reat Area (SRRA) Rehabilitation	Locations	0.0	0.0	0.0	0.0	Yes	Yes
	-62	Transportation Ralated	Square Feet	0.0	15,447.0	3,640.0	29,706.0	Yes	Yes
Group		Facilities Weigh-In-Motion Scales	Stations	0.0	1.0	0.0	2.0	Yes	Yes
S.		Bridge Selamic Restoration	Sicuare Feet	0.0	142,977,0	0.9	285.243.0	Yes	Yes
TTARCO	7	Bridge Scour Hitigation	Square Feet	0.0	161,631,0	867,0	0.0	Yes	Yes
fer 1	Postlan	Mejor Damage (Emergency	Locations	6.0	0.9	0.0	0.0	Yes	Yes
2		Opening) Mejor Darsege (Permanent	Locations	6.0	0.9	0.0	0.0	Yes	Yes
	System	Restoration) Roadway Protective	Locations	0.0	0.0	0.0	0.0	Yes	Yes
		Sea Level Rise	Deficiency Units	0.0	0.0	0.0	0.0	Yes	Yes
	-	Bridge Goods Movement	Square Feet	0.0	0.9	0.0	1,173.0	Yes	Yes
		Upgradea Commercial Vahicle	Scuare Feet	6.0	6,800.0	0.0	8.0	Yes	Yes
		Enforcement Facilities Complete Streets Fix Existing	Linear Feet	0.0	98,448.0	150.0	4,258.0	Yes	Yes
		Complete Streets Build New	Linear Feet	6.0	256,996.0	0.0	203,874.0	Yes	Yes
	Objectiv	Fish Pessece	Each	0.0	3.8	0.0	2.0	Yes	Yes
			DVHD	8.0	1,336.0	0.0	136.0	Yes	Yes
	a and	Operational Improvements		6.0	1,336.0	0.0	136.0	Yes	Yes
	Assets	Relinquishments Roadskie Rehabilitation	Contartine Miles	0.0	140.0	0.0	2.0	Yes	
	Other A			6.0	963.0	0.0	1,438.0	Yes	Yes
	8	Sign Panel Replacement	Each	0.0 0.0	865.0	0.0	1,438.0	Yes	
		Storm Water Mitigation Transportation Management	Acres						Yes
		System Structures Water and Westewater	Each	6.0	0.8	0.0	6.0	Yes	Yes
		Treatment at SRRAp	Locations	0.0	0.9	0.0	0.0	Yes	Yes

l	Project Portfolio Sum	mary			
	Total 5-Year Project Portfolio Cost	Total Number of Project in Last 5-Years	Average Portfolio Support-to-Capital Ratio	Are All Financial Requirements Satisfied?	Are All Performance Requirements Satisfied?
	\$3,518M	185	34%	Yes	Yes

Note: Project costs and counts exclude reservation projects

Total 5-Year Project Costs

The total cost of the District's project portfolio must not exceed the SHOPP 5-Year Target Investment from the District Performance Plan. (TAM 19-04)

	Fiscal Years	5-Y Funding Targets (\$K)	# of Projects	Project Cost (\$K)	Balance (\$K)	Percent of 5-Year Target Funding	Within 5-Year Target Funding?
	2026/27 to 2030/31	3,592,111	186	\$3,518,041	\$74,071	97.9%	Yes
L							

nual Total Project Cost

The total cost of the District's project portfolio in any one year of the last 5-years must fail within 20% +7-5% (i.e., greater than 15% and less than 25%) of the District's total SHOPP 5-Year Target Investment from the District Performance Plan. The two years of the District's project portfolio corresponding to the PID Workplan (years 6 & 7) must be less than 40% of the District's SHOPP 5-Year Target Investment. (TAM 19-04)

Fisc	al Year	5-Y Funding Targets (\$K)	Annual Target Funding (SK)	# of Projects	Project Cost (\$K)	Balance (SK)	Percent of 5-Year Target Funding	Within 20% (+/-5%) Annual Target Funding?	Percent of 5-Year Target Funding for Years 6 & 7	Less Than 40% Annual Target Funding for Years 6 &77
LL I	PASED	3,592,111		10	\$29,896		0.8%			
20	26/27	3,552,111	\$718,422	26	\$541,285	\$177,137	15.1%	Yes	35.4%	Yes
20	27/28	3,592,111	\$718,422	30	\$700,014	\$18,408	19.5%	Yee		
20	28/29	3,582,111	\$718,422	48	\$787,117	(\$68,695)	21.9%	Yes		
20	29/30	3,592,111	\$718,422	49	\$807,792	(\$89,370)	22.5%	Yes		
20	30/31	3,592,111	\$718,422	33	\$681,935	\$65,485	18.1%	Yes		
	1000				5% I	ancial Assoc Ipper Limit (\$1 % of Target)	M) \$\$896M			
oet (3										
Project Cost (SM)	500-	\$641N	•	\$7008		Lower Limit (S \$787M		SOCEM		\$852M
	0									
		2026/2		2027/2		2028/29		2029/30		2030/31

Project Transparency (projectbook.dot.ca.gov)

Project Book Dashboard Project Activities

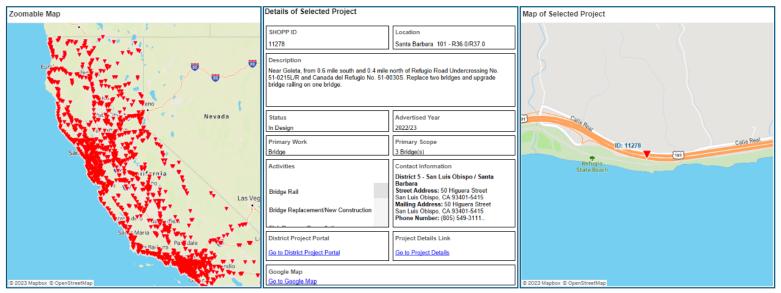


SHOPP Ten-Year Project Book (October 2022)

Accessibility Assistance: Caltrans[®] makes every attempt to ensure our online content is accessible. Due to variances between assistive technologies, there may be portions of this content which are not accessible. We are committed to providing alternative access to the content. Please see the SHOPP Ten Year Book PDF document on the Caltrans Asset Management website <u>https://dot.ca.gov/programs/asset-management.</u> Should you need additional assistance, please contact us at (916) 654-2852 or visit <u>https://dot.ca.gov/programs/asset-management.</u> Should you need additional assistance, please contact us at (916) 654-2852 or visit <u>https://dot.ca.gov/programs/asset-management.</u>

Number of Projects 2,049

CA State Assembly District CA State Senate District U.S. Congressional District MPO/RTPA County Route ▼ (AII) (AII) (AII) (AII) (AII) (All) Project Status Advertised Year SHOPP **Project Activities** Type a Key Word to Filter Project Activities Primary Work * (AII) (AII) (AII) (AII) ▼ (AII) •



Project Book

SHOPP ID	District	County	Route	Begin Mile	End Mile	Activity	Planning or Post-Planning?	Advertised Year	SB-1 Priority	Project Cost (\$K)
22305	1	Del Norte	101	8.2	8.7	Bridge	Post-Planning	2021/22	Yes	\$438
16494	1	Del Norte	101	12.5	16.3	Major Damage - Permanent Restoration	Post-Planning	2030/31		\$10,205
21946	1	Del Norte	101	12.6	13.2	Major Damage - Permanent Restoration	Post-Planning	2026/27		\$31,961
22702	1	Del Norte	101	15.6	16.2	Reactive Safety	Post-Planning	2024/25		\$15,183
23347	1	Del Norte	101	18.4	19.3	Reactive Safety	Planning	2025/26		TBD
20248	1	Del Norte	101	23.593	46.492	Pavement	Planning	2029/30	Yes	TBD
00000		B		07.04	05.01		D 101 1	2021/22		PE03



Caltrans Asset Management Cycle

The *State Highway System Management Plan (SHSMP)* is an operational plan that includes all major physical assets and deficiencies on the SHS.

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State Highway System Management Plan

2021

The *California Transportation Asset Management Plan (TAMP)* is the strategic plan that applies the asset management framework to both the NHS and SHS. The quarterly **SHOPP Ten-Year Project Book Dashboard** establishes a 10-yr portfolio of projects to meet targets set forth in the TAMP and SHSMP. Portfolios are developed by the District to meet DPP fiscal and performance constraints. Projectbook.dot.ca.gov

STATE HIGHWAY OPERATION & PROTECTION PROGRAM

PROJECT BOOK

TEN-YEAR

District Performance Plans (**DPPs**) provide District-specific performance and funding targets derived from the SHSMP. The **SHOPP** is comprised of projects spanning four years of the certified SHOPP Ten-Year Project Book.

The annual *Performance Benchmarks* provides a means to monitor and report on progress towards meeting performance targets.

2020/21

Report

June 202

California Depart

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California Transportation

Asset Management Plan

Slide 18

Annual Performance Reporting

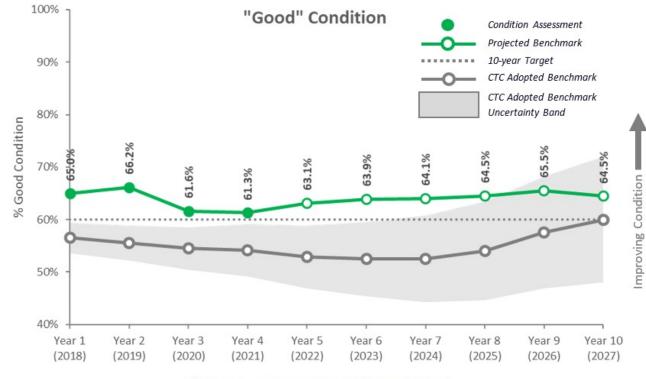


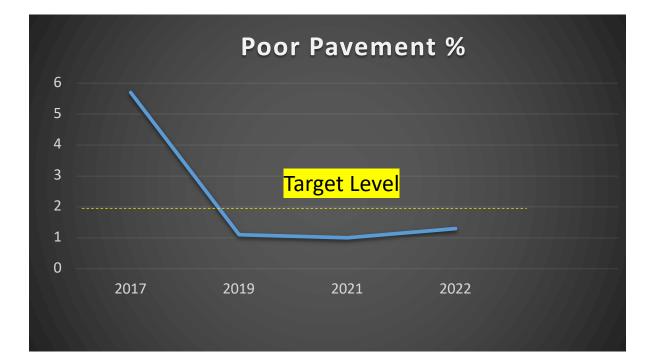
Figure 1 - Pavement Class I, Good

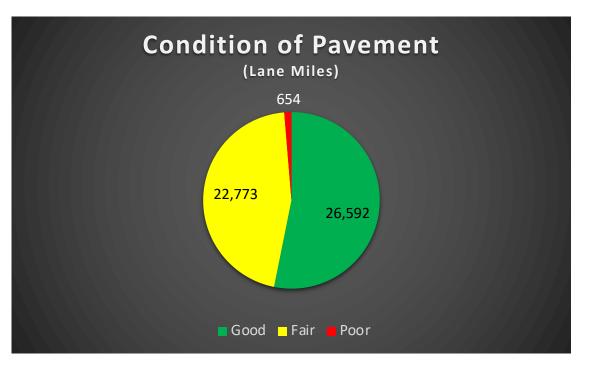
Table 3 – Pavement Class I Condition Summary

Condition	2027 Target	2020 Year End	2021 Year End	Change in Condition
Good	60.0%	61.6%	61.3%	-0.3% 🗸
Fair	39.0%	37.1%	37.4%	+0.3% 个
Poor	1.0%	1.3%	1.3%	0.0%↔

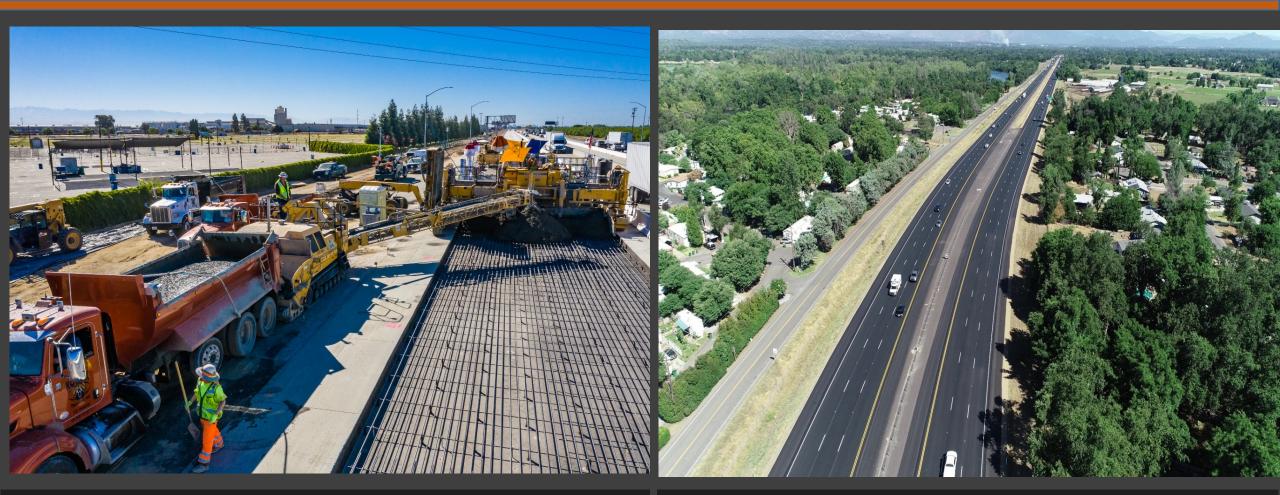
Pavement Performance Progress

• Pavement condition continues to meet targets!





Communicate the Projects Behind the Performance



Route 99 concrete pavement- Fresno County from the City of Selma to Kingsburg

Interstate 5 – Redding to Anderson

Summary

- Caltrans has implemented a comprehensive performance based asset management approach
- Culture has shifted to focus on performance outcomes.
- Considers physical assets, safety, operations, bike and ped, risk mitigation and more.
- Provide a high degree of transparency with the public and encourages project input
- Provides for fairly accurate 10 year projections of performance for the TPM and TAMP
- Annual performance review and accountability

<u>Michael.b.johnson@dot.ca.gov</u> <u>https://dot.ca.gov/programs/asset-management</u> projectbook.dot.ca.gov

Discussion

All TPM Webinars: https://www.tpm-portal.com/event-directory/tpm-webinars/

Save the Dates!

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Upcoming Webinars:

TPM Webinar 17: May 17, 2023 – Organizational Mgmt TPM Webinar 18: July 19, 2023 TPM Webinar 19: September 20, 2023 TPM Webinar 20: November 15, 2023

Let us know topics of interest to you in 2023!

Administration

Webinars Typically Begin at 2:00 PM Eastern Time



For more information or to register: <u>TPM-Portal.com</u>