

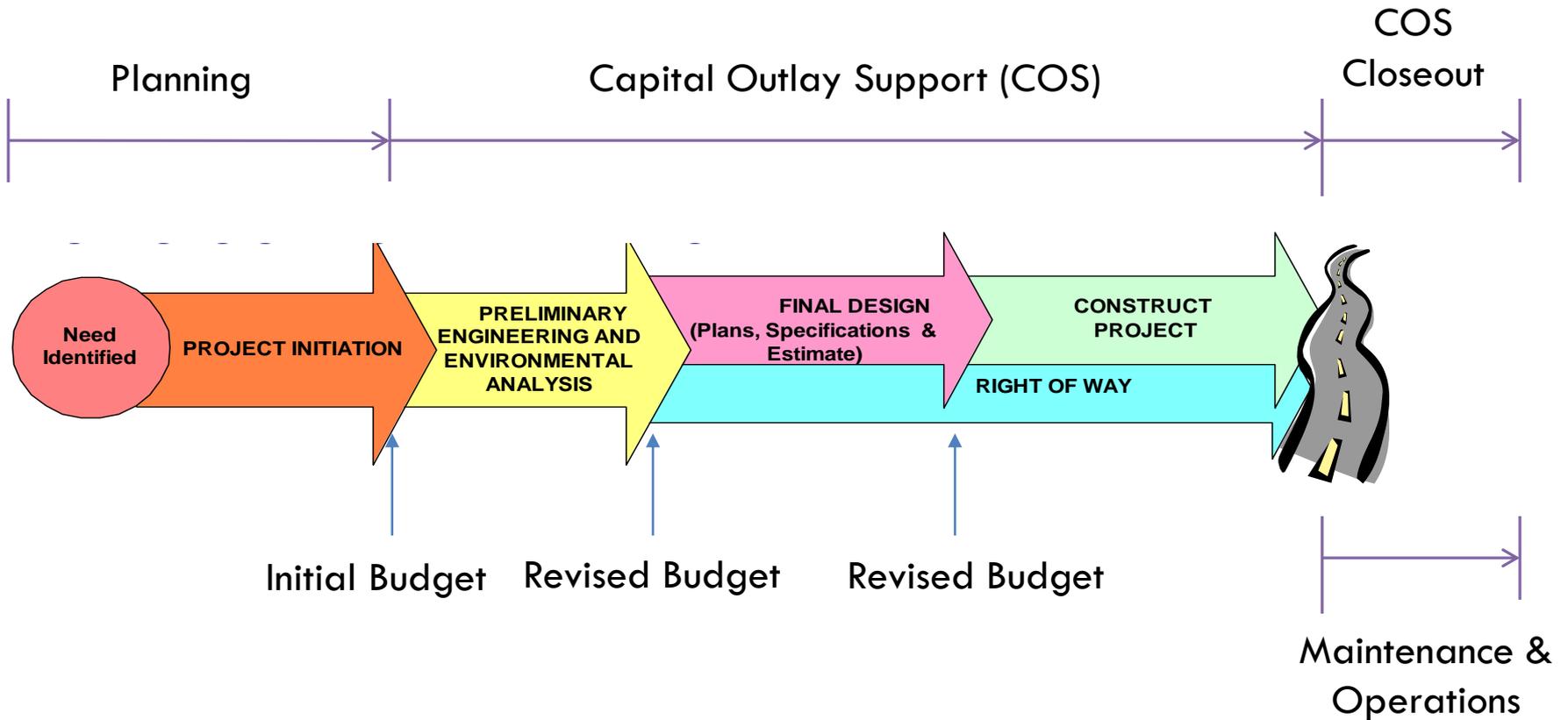


***Caltrans***<sup>®</sup>

FY 15-16  
4<sup>th</sup> Quarter  
Project Delivery Report

by James E. Davis

# Stages of Project Delivery



# FY 15-16 4<sup>th</sup> Quarter

## Project Delivery Performance Measures

Measure	Annual Commitment	Completion	Completion (%)	Annual Goal (%)	On Target
Draft Environmental Documents	82	62	76	80	☒
Project Approval, Environmental Documents	263	223	85	90	☒
Allocated Right of Way Funds	\$144 M	\$144 M	100	100	✓
Projects Certified by Right of Way	260	251	97	100	☒
Projects Designed and Ready for Construction	244	239	98	100	☒
Capital Value Ready for Allocation	\$2,052 M	\$1,721 M	84	100	☒
Projects Constructed	209	183	88	95	☒

# FY 15-16 4<sup>th</sup> Quarter

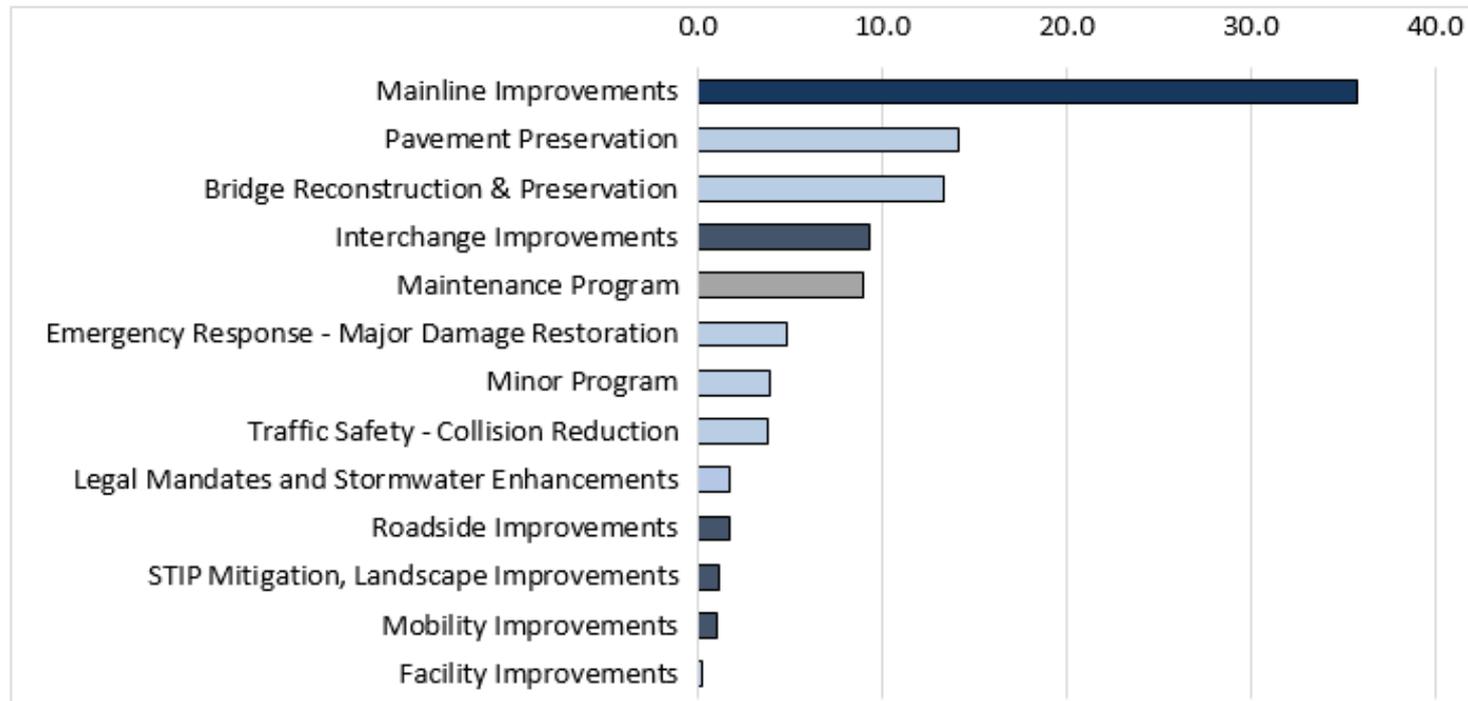
## Project Delivery Performance Measures

- Closeout

Measure	Expended	Budget	%	Annual Goal (%)	On Target
<b>Costs for 34 Completed STIP Projects</b>	\$1,851 M	\$1,918 M	96	< 100	✓
<b>Costs for 247 Completed SHOPP Projects</b>	\$1,436 M	\$1,615 M	89	< 100	✓

# FY 15-16 4<sup>th</sup> Quarter Projects Constructed

Percent of Constructed Contract Values



Note: Chart excludes Seismic (San Francisco – Oakland Bay Bridge) projects

Improvement Programs

Preservation Programs

Maintenance Program

**Projects: 484**

**Capital Value: \$ 2,698 Million**

# FY 15-16 4<sup>th</sup> Quarter Projects Constructed

## STIP PROJECT

ON ROUTE 198, 12<sup>th</sup> AVENUE OVERCROSSING IN THE CITY OF  
HANFORD IN  
KINGS COUNTY



Before Construction

# FY 15-16 4<sup>th</sup> Quarter Projects Constructed

## STIP PROJECT ON ROUTE 198, 12<sup>th</sup> AVENUE OVERCROSSING



After Construction

# FY 15-16 4<sup>th</sup> Quarter Projects Constructed

## SHOPP PROJECT

LANDSLIDE ON WB ROUTE 580 AT 150th STREET OFF-RAMP IN  
SAN LEANDRO



Before Construction

# FY 15-16 4<sup>th</sup> Quarter Projects Constructed

## SHOPP PROJECT

SOLDIER PILE RETAINING WALL ON WB ROUTE 580 AT 150th  
STREET



After Construction

# FY 15-16 4<sup>th</sup> Quarter Project Watch List

- Design Schedule Risks

**FY 16-17: 227 Projects, \$2,175 million committed to be designed**

High Risk

6 Projects

Low to Moderate Risk

7 Projects

# FY 15-16 4<sup>th</sup> Quarter Project Watch List

- Construction Capital Budget Risks Managed by Caltrans\*

As of July 1, 2016: 817 Projects under construction with construction budget of \$8.8 billion

Status	Projects	Budget (Millions)	Risk (Millions)
Seeking Allocation	7	\$35	\$10 - \$15
Advertising	4	\$35	\$14 - \$18
Construction	16	\$907	\$100 - \$130

\*Supplemental Requests included in categories above

# FY 15-16 4<sup>th</sup> Quarter

## Project Watch List

- Construction Capital Supplemental Funds Requests

Construction Capital Supplemental Funds Requests<sup>1</sup>

Fiscal Year	Number of Supplementals	Number of Construction Contracts <sup>2</sup>	% of Contracts	Amount of Supplementals (millions)	Value of Construction Contracts <sup>2</sup> (billions)	% of Dollars
2002-03	17	659	2.6%	\$18.3	\$7.7	0.2%
2003-04	18	586	3.1%	\$19.4	\$8.2	0.2%
2004-05	18	617	2.9%	\$14.1	\$7.7	0.2%
2005-06	46	714	6.4%	\$189.5	\$9.8	1.9%
2006-07	17	646	2.6%	\$58.2	\$10.4	0.6%
2007-08	15	705	2.1%	\$25.5	\$9.4	0.3%
2008-09	17	732	2.3%	\$40.4	\$9.4	0.4%
2009-10	11	664	1.7%	\$30.8	\$9.6	0.3%
2010-11	11	814	1.4%	\$28.7	\$10.9	0.3%
2011-12	24	739	3.2%	\$84.5	\$11.3	0.7%
2012-13	21	713	2.9%	\$43.1	\$12.3	0.4%
2013-14	12	673	1.8%	\$15.1	\$11.1	0.1%
2014-15	13	652	2.0%	\$94.4	\$10.6	0.9%
2015-16	27	817	3.3%	\$140.8	\$8.8	1.6%
<b>Average</b>	<b>19</b>	<b>695</b>	<b>2.7%</b>	<b>\$57.3</b>	<b>\$9.8</b>	<b>0.6%</b>

<sup>1</sup> Includes supplementals to award, complete construction, and closeout. Does not include construction support supplemental funds requests or Greater Than 120% requests.

<sup>2</sup> As of June 30 of each fiscal year.

# FY 15-16 4<sup>th</sup> Quarter Closeout Costs

- SHOPP Program Closeout – Construction Capital Costs

SHOPP Program Closeout – Construction Costs

Program	Commission Initial Construction Allocation	Final Approved Construction Costs	Expended Construction Costs
<b>Construction Capital (\$1,000's)</b>			
SHOPP Total	\$ 1,233,201	\$ 1,099,757	\$ 974,030

# FY 15-16 4<sup>th</sup> Quarter Closeout Costs

- SHOPP Program Closeout – Construction Support Costs

**FY 2015-16 SHOPP Project Closeout Support Expenditure Analysis**

Percentage of Budget Expended	Number of Projects	Percentage of Projects	Approved Support Budget (\$1,000's)	Actual Support Cost (\$1,000's)	Over (Under) Budget (\$1,000's)	% Over (Under) Budget
< 80%	71	29%	\$ 165,972	\$ 103,771	\$ (62,201)	
80% to 120%	99	40%	\$ 201,095	\$ 200,384	\$ (711)	
> 120%	77	31%	\$ 79,388	\$ 123,784	\$ 44,396	
<b>Total</b>	<b>247</b>	<b>100%</b>	<b>\$ 446,455</b>	<b>\$ 427,939</b>	<b>\$ (18,516)</b>	<b>(4%)</b>

# FY 15-16 4<sup>th</sup> Quarter

## Project Delivery Report Changes

- SHOPP Program Closeout – Project Designed and Ready for Construction

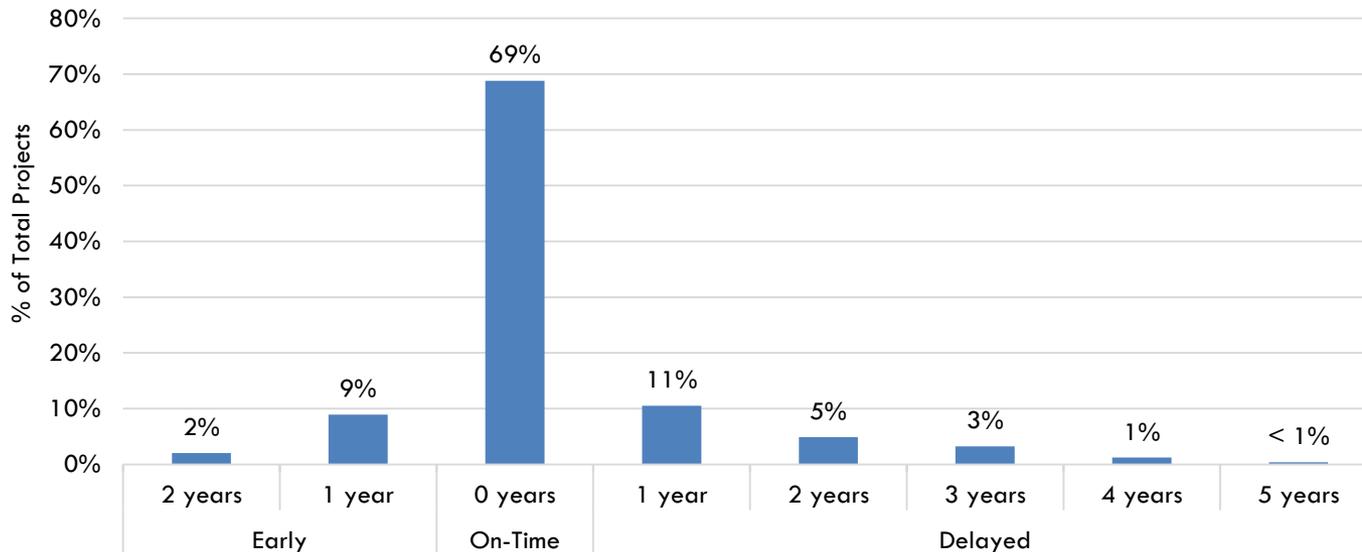
Project Description	Delivery Year		
	Original	Actual	Years Early, Delayed, or On-time
<b>4th Quarter</b>			
FRE 180 Bridge Replacement	2012	2013	(1) Delayed
KER 014 Bridge Replacement	2014	2013	1 Early
TUL 245 Reconstruct Embankment	2013	2013	0 On-time

# FY 15-16 4<sup>th</sup> Quarter

## Project Delivery Report Changes

- SHOPP Program Closeout – Project Designed and Ready for Construction

Distribution of FY 15-16 SHOPP Closeout Delivery Year Summary



# FY 15-16 4<sup>th</sup> Quarter Project Delivery Report

## Project Duration from Programming to CCA (years) (Projects Achieving CCA in FY 2015-16)

Program	Minimum	Average	Maximum	Typical Range*
SHOPP	0.2	4.4	15.6	1.8 to 7.6
STIP	1.3	8.6	15.9	6.6 to 11.4
Prop 1B	3.9	7.5	15.1	4.8 to 9.0
<b>All</b>	<b>0.2</b>	<b>5.0</b>	<b>15.9</b>	<b>2.0 to 8.2</b>

\* Typical range is within 68% (one standard deviation) of the average.

CCA – Construction Contract Acceptance or Construction Complete.

# FY 15-16 4<sup>th</sup> Quarter

## Portfolio Improvement Efforts Underway

- Asset Management
- Historical Data Analytics
- Risk and Contingencies
- Estimating Tools
- Project Initiation Documents
- Programming Options
- Workload Forecasting Process Review