



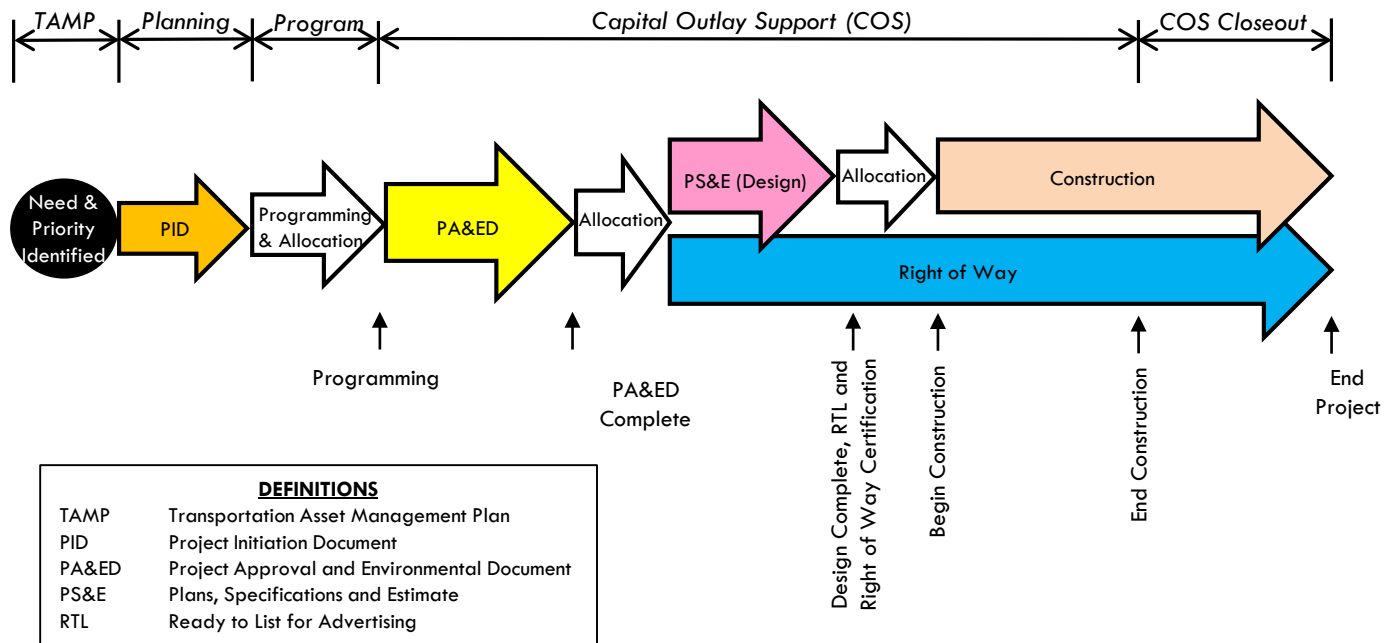
Caltrans[®]

Tab 59

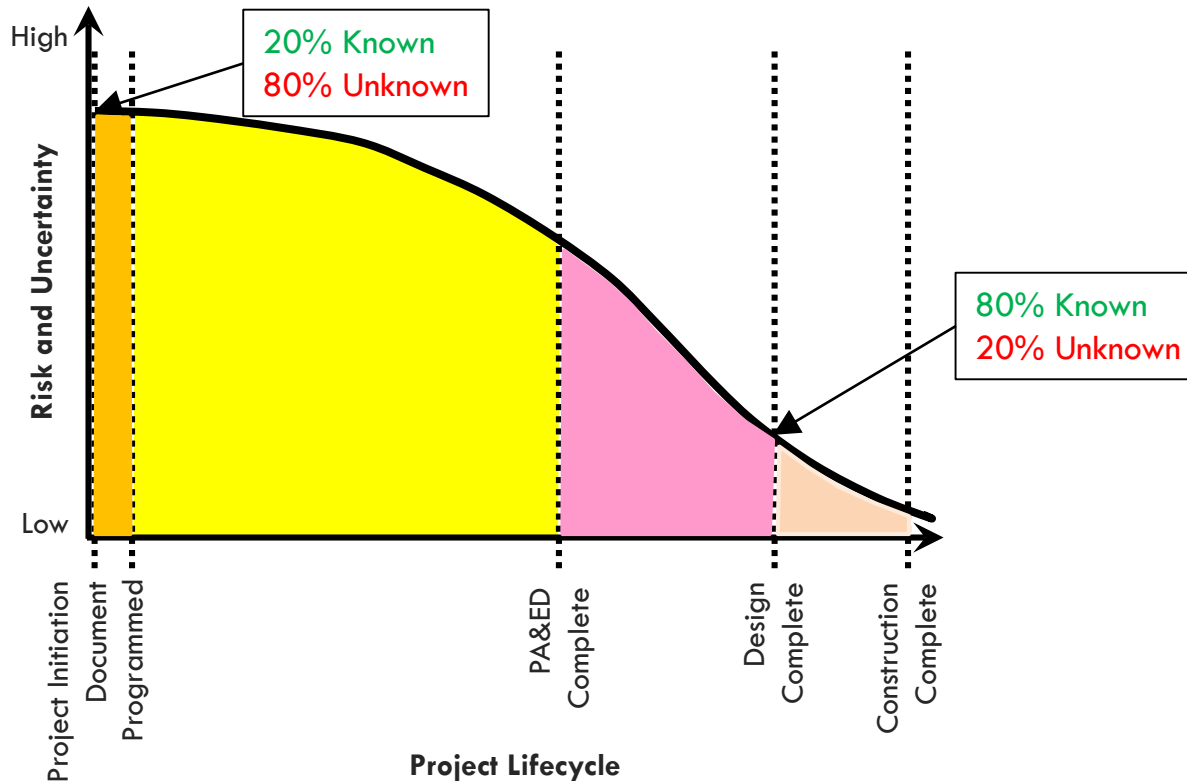
FY 18-19
4th Quarter
Project Delivery Report

by Michael D. Keever

Phases of Project Development



Risk and Uncertainty During Project Phases



Modified version of Project Management Institute, A Guide to the Project Management Body of Knowledge, (PMBOK® Guide) - Fifth Edition, Project Management Institute Inc., 2013 Page 40 Figure 2-9

FY 18-19 4th Quarter

Project Delivery Performance Measures

Measure	Annual Commitment	Completion	Completion (%)	Last Five Fiscal Year Average (%)
Draft Environmental Documents	94	79	84	78
Project Approval, Environmental Documents	262	253	96	89
Allocated Right of Way Funds	\$170 M	\$102 M ¹	60	97
Projects Certified by Right of Way	257	247	96	97
Projects Designed and Ready for Construction	263	252	96	98
Capital Value Ready for Allocation	\$2,566 M	\$2,496 M	97	88
Projects Constructed	178	163	92	89

¹Discussed in the preliminary Right of Way closing Book Item in June 2019.

FY 18-19 4th Quarter

Project Delivery Performance Measures

- Project Costs at End of Construction¹

Measure	Expended	Budget	Savings	%	Last Five Fiscal Year Average (%)
Costs for 23 Completed STIP Projects	\$1,015 M	\$980 M	-\$35 M	103%	93%
Costs for 290 Completed SHOPP Projects	\$2,197 M	\$2,427 M	\$230 M	91%	89%

¹ Construction costs are calculated 6 months after the end of construction

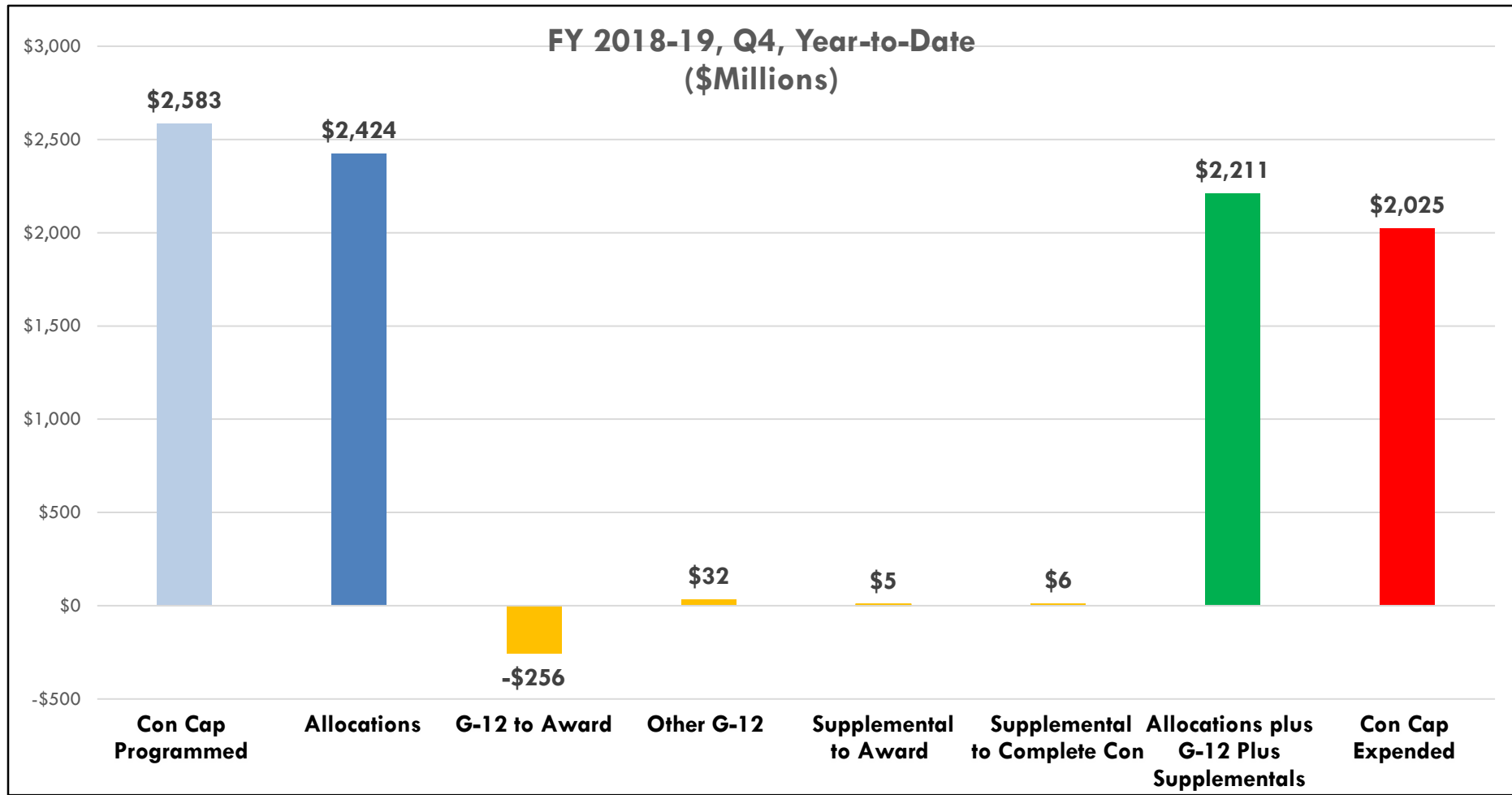
FY 18-19 4th Quarter Project Watch List

- Construction Capital Budget Risks Managed by Caltrans

Status	Projects ¹	Total Budget (Millions)	Total Risk (Millions)
Seeking Allocation	9	\$120	\$74
Advertising	6	\$98	\$24
Construction	16	\$732	\$30
Closeout	0	\$0	\$0
Total	31	\$950	\$128

¹ 865 Projects under construction with construction budget of \$9.7 billion, as of June 2019.

Appendix E of the Project Delivery Report Construction Capital Closeout¹ Summary, SHOPP and STIP²



¹Project closeout reflects projects where construction contract was complete two quarters ago.

²Appendix A and B, 290 SHOPP and 23 STIP Completed Projects at Closeout.

Capital Outlay Support Closeout¹ Summary, SHOPP

Total SHOPP Capital Outlay Support (COS) Closeout¹ Summary Fiscal Year 2018-19, Fourth Quarter, Year-To-Date

Phase	Approved Budget ² (\$ 1,000's)	Expenditure (\$ 1,000's)	Percent Expended
PAED, PS&E, RW Support	\$ 391,691	\$ 347,086	88.6%
Construction Support	\$ 327,401	\$ 335,794	102.6%
Total COS	\$ 719,092	\$ 682,880	95.0%

¹ The COS values are for 290 SHOPP projects at closeout. Project closeout reflects projects where Construction Contract was completed two quarters ago.

² Approved Budget represents programmed funds unless the phase received an allocation. SHOPP PAED and PS&E support as well as construction support were not allocated by the Commission until June 2017 and July 2016, respectively.

Contract for Delivery



Statewide Summary Contract for Delivery FY 2019-2020



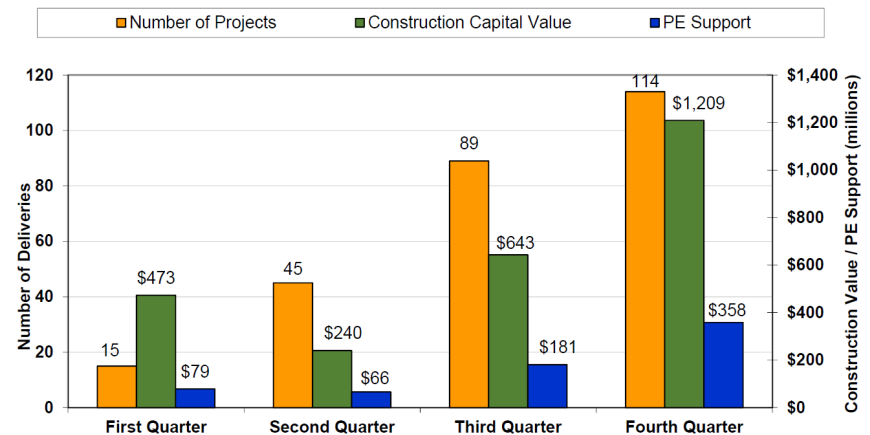
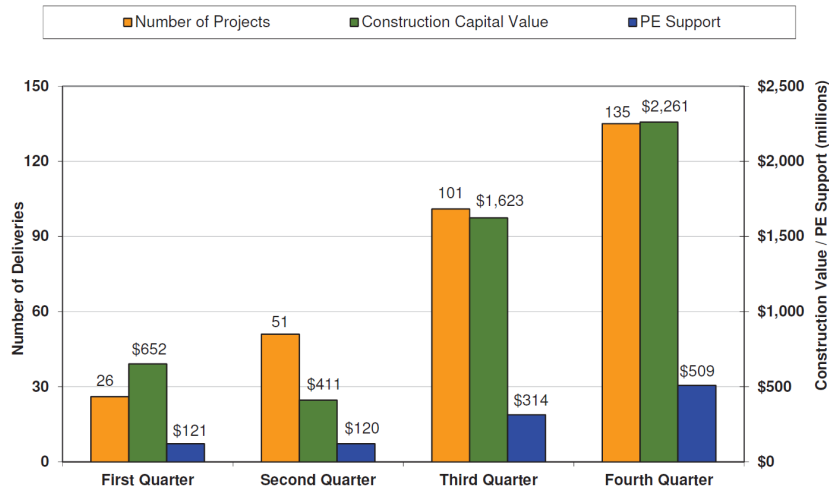
Statewide Summary Contract for Delivery FY 2018-2019

Commitment to Project Delivery

Description	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	Total
Ready to List (RTL)	26	51	101	135	313
RTL Construction Capital (1,000s)	\$652,325	\$410,563	\$1,622,914	\$2,261,137	\$4,946,939
RTL Preliminary Engineering (1,000s)	\$120,985	\$120,376	\$313,647	\$508,593	\$1,063,601
Draft Environmental Document	11	35	45	18	109
Project Approval & Environmental Document	47	81	78	62	268
Right of Way Certification	34	55	101	114	304
Approve Contract	36	110	85	50	381
Construction Contract Acceptance	19	80	54	31	184
End Project	27	72	61	34	194

Commitment to Project Delivery

Description	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr	Total
Ready to List (RTL)	15	45	89	114	263
RTL Construction Capital (1,000s)	\$472,993	\$240,157	\$643,288	\$1,209,229	\$2,565,667
RTL Preliminary Engineering (1,000s)	\$78,951	\$66,130	\$181,098	\$358,191	\$684,370
Draft Environmental Document	19	27	22	26	94
Project Approval & Environmental Document	80	74	65	43	262
Right of Way Certification	29	47	98	83	257
Approve Contract	57	98	88	45	288
Construction Contract Acceptance	30	76	45	27	178
End Project	33	64	50	39	186



Thank You!



Pavement Useful Life (10 to 40 years)

Description	Typical Useful Life (years)
Concrete Pavement Rehabilitation	40
Asphalt Pavement Rehabilitation	15
Capitalized Preventive Maintenance (CAPM)	10

Culvert & Other Assets Useful Life (40 to 50 years)

Description	Typical Useful Life (years)
Replace/Install Culverts	50
Line Culvert	40
Headwall/Endwall	50
Pump Plants	50
Energy Disipation & Other Elements	50

Bridge Useful Life

(15 to 75 years)

Description	Typical Useful Life (years)
Bridge Preservation	15
Bridge Replacement/New Construction	75
Bridge Rail	40
Bridge Rehabilitation	20
Bridge Widening	40
Bridge Approach Slabs	40

Traffic Management Systems Useful Life (10 to 25 years)

Description	Typical Useful Life (years)	Description	Typical Useful Life (years)
Census Station	25	Extinguishable Message Sign	25
Changeable Message Sign	25	CCTV Camera	10
Communications	25	Traffic Signals	25
Vehicle detection	25	Highway Advisory Radio	15
Ramp Meter	25	Roadside Weather Information Station	10