

County El Dorado Department of Transportation

Community Development Services



What We Do...



Traffic Engineering



Bridge Maintenance



Capital Improvements



Land Development



Permits / Inspection



Drainage



ROW / Survey



County Fleet



Road Maintenance



Snow Removal



Pavement Management

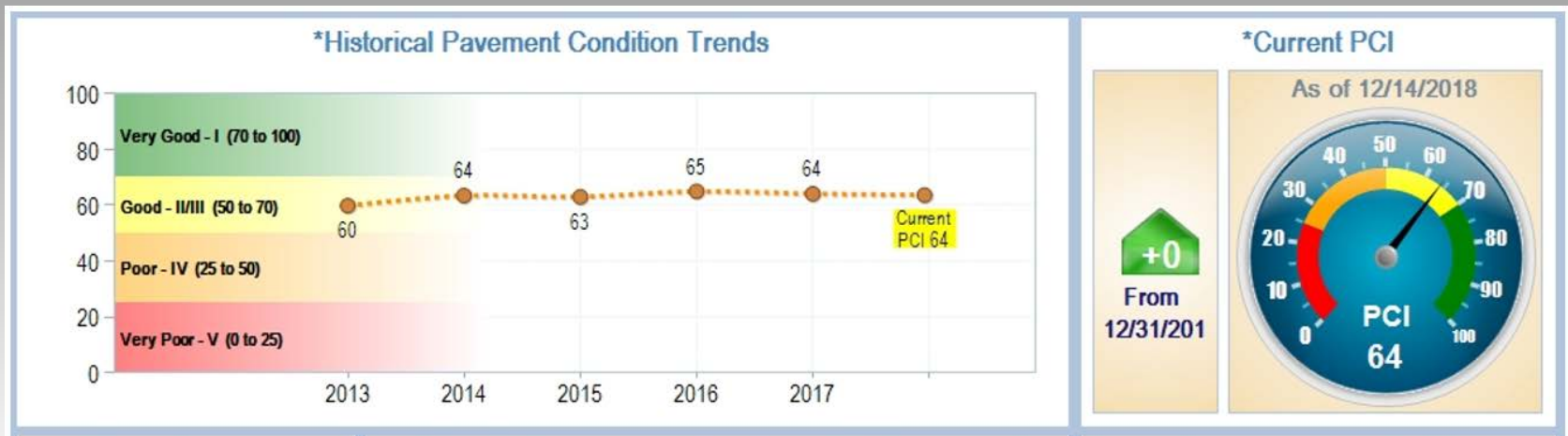


What does DOT Maintain

	Units	Quantity
Box Culverts	Ea	100+
Bridges	Ea	76
Ditches	Miles	750
Culverts	Ea	10,000+
Guardrails	Feet	37,000
Pavement Markers	Miles	138
Roads	Miles	1082
Sidewalks	Miles	70
Signalized Intersections	Ea	46
Signs	Ea	14,822
Timber Walls	Feet	1,600
Striping	Miles	820

Roadway Infrastructure Condition

- Roadway Numbers
 - 1082 Centerline Miles
 - 2864 Lane Miles
 - \$1.6B County Roadway Infrastructure
 - \$9.7 M / year Total Roadway Repairs



Roadway Infrastructure Condition

- **Current Pavement Condition**
 - **Pavement Condition Index (PCI) 64-(Inflated)**
 - **53 Average if Factor Out New Development**
 - **In 5 years - 51 Average at Current Expenditures**

El Dorado County

Target-Driven Scenarios - Cost Summary

Interest: 0%

Inflation: 0%

Printed: 01/02/2019

Scenario: Maintain PCI of 65 (01/02/2019)

Objective: Minimum Network Average PCI

Target: By Year

Year	Value	Year	Value	Year	Value	Year	Value
Year 1	65	Year 2	65	Year 3	65	Year 4	65
Year 5	65						

Year	Rehabilitation	Preventive Maintenance	Total Cost	Deferred
2019	II \$2,879,971	Non-Project \$0	\$12,908,952	\$43,717,582
	III \$2,235,594	Project \$0		
	IV \$696,696			
	V \$7,096,691			
	Total \$12,908,952			
	Project \$0			

SB1 Revenues Next Ten Years

It appears that under each of the Bills El Dorado County would receive additional funding of approximately.

- SBX 1-1 \$8.687 million dollars annually
- AB 1591 \$10.059 million dollars annually
- Governor \$4.572 million dollars annually

Some calculations were done in house and once salaries are paid and equipment is purchased we would need approximately 10 million per year to spend on just roads to keep our infrastructure at the same PCI (64) they are at now.

New County Revenues from SB 1 (Beall, 2017) - Road Maintenance and Rehabilitation Account (RMRA) Revenues ONLY*

COUNTY	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
Alameda	\$ 5,980,000	\$ 16,540,000	\$ 16,750,000	\$ 18,600,000	\$ 19,390,000	\$ 19,970,000	\$ 20,510,000	\$ 21,180,000	\$ 21,820,000	\$ 22,510,000
Alpine	\$ 120,000	\$ 320,000	\$ 320,000	\$ 360,000	\$ 370,000	\$ 380,000	\$ 390,000	\$ 410,000	\$ 420,000	\$ 430,000
Amador	\$ 550,000	\$ 1,520,000	\$ 1,540,000	\$ 1,710,000	\$ 1,780,000	\$ 1,830,000	\$ 1,880,000	\$ 1,940,000	\$ 2,000,000	\$ 2,060,000
Butte	\$ 1,960,000	\$ 5,410,000	\$ 5,480,000	\$ 6,090,000	\$ 6,340,000	\$ 6,530,000	\$ 6,710,000	\$ 6,930,000	\$ 7,140,000	\$ 7,360,000
Calaveras	\$ 840,000	\$ 2,320,000	\$ 2,350,000	\$ 2,600,000	\$ 2,720,000	\$ 2,800,000	\$ 2,870,000	\$ 2,970,000	\$ 3,060,000	\$ 3,150,000
Colusa	\$ 660,000	\$ 1,820,000	\$ 1,840,000	\$ 2,040,000	\$ 2,130,000	\$ 2,190,000	\$ 2,250,000	\$ 2,330,000	\$ 2,400,000	\$ 2,470,000
Contra Costa	\$ 4,990,000	\$ 13,810,000	\$ 13,990,000	\$ 15,530,000	\$ 16,190,000	\$ 16,680,000	\$ 17,130,000	\$ 17,690,000	\$ 18,220,000	\$ 18,790,000
Del Norte	\$ 340,000	\$ 950,000	\$ 960,000	\$ 1,060,000	\$ 1,110,000	\$ 1,140,000	\$ 1,170,000	\$ 1,210,000	\$ 1,250,000	\$ 1,290,000
El Dorado	\$ 1,760,000	\$ 4,880,000	\$ 4,940,000	\$ 5,490,000	\$ 5,720,000	\$ 5,890,000	\$ 6,050,000	\$ 6,250,000	\$ 6,440,000	\$ 6,640,000
Fresno	\$ 5,990,000	\$ 16,580,000	\$ 16,790,000	\$ 18,640,000	\$ 19,440,000	\$ 20,020,000	\$ 20,560,000	\$ 21,230,000	\$ 21,870,000	\$ 22,560,000
Glenn	\$ 800,000	\$ 2,210,000	\$ 2,230,000	\$ 2,480,000	\$ 2,590,000	\$ 2,660,000	\$ 2,740,000	\$ 2,820,000	\$ 2,910,000	\$ 3,000,000

Original Projected 2016 Road Fund Balance

	A	B	C	D	E	F	G	H
1	Road Fund		Projected	Projected	Projected	Projected	Projected	Projected
2			18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24
3	Beginning Fund Balance GL 349 & 350		1,294,722	3,641,899	8,826,634	8,004,801	6,458,736	4,170,332
4	01 - Taxes		7,000	7,000	7,000	7,000	7,000	7,000
5	02 - License, Pmt, Fran		723,943	723,943	723,943	723,943	723,943	723,943
6	04 - Rev Use Money/Prop		24,401	24,401	24,401	24,401	24,401	24,401
7	05 - IG Rev - State		14,607,529	14,607,529	14,607,529	14,607,529	14,607,529	14,607,529
8	10 - IG Rev - Federal		1,463,000	5,763,000	463,000	463,000	463,000	463,000
9	13 - Service Charges		2,960,544	2,960,544	2,960,544	2,960,544	2,960,544	2,960,544
10	19 - Miscellaneous Rev		109,971	109,971	109,971	109,971	109,971	109,971
11	20 - Other Fin Sources		10,651,659	10,651,659	10,651,659	10,651,659	10,651,659	10,651,659
12	Total Estimated Revenues		30,548,047	34,848,047	29,548,047	29,548,047	29,548,047	29,548,047
13								
14	30 - Salaries & Benefits		18,133,789	18,587,134	19,051,812	19,528,107	20,016,310	20,516,718
15	40 - Services & Supplies		9,439,604	9,675,594	9,917,484	10,165,421	10,419,557	10,680,045
16	50 - Other Charges		4,382,716	4,382,716	4,382,716	4,382,716	4,382,716	4,382,716
17	60 - Fixed Assets		2,326,893	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000
18	70 - Other Fin Uses		726,528	726,528	726,528	726,528	726,528	726,528
19	73 - Intrafund Abatement		(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)
20	Total Estimated Expenses		28,200,870	29,663,312	30,369,880	31,094,112	31,836,451	32,597,347
21	Use/Gain(-/+) of Fund Balance		2,347,177	5,184,735	(821,833)	(1,546,065)	(2,288,404)	(3,049,300)
22	Ending Estimated Fund Balance		3,641,899	8,826,634	8,004,801	6,458,736	4,170,332	1,121,032

New Projected Road Fund Balance

K17		fx		A	B	C	D	E	F	G	H
1	Road Fund				Budgeted	Projected	Projected	Projected	Projected	Projected	Projected
2					18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	
3	Beginning Fund Balance GL 349 & 350				1,294,722	1,641,899	4,826,634	2,004,801	(1,541,264)	(5,829,668)	
4	01 - Taxes				7,000	7,000	7,000	7,000	7,000	7,000	7,000
5	02 - License, Pmt, Fran				723,943	723,943	723,943	723,943	723,943	723,943	723,943
6	04 - Rev Use Money/Prop				24,401	24,401	24,401	24,401	24,401	24,401	24,401
7	05 - IG Rev - State				12,607,529	12,607,529	12,607,529	12,607,529	12,607,529	12,607,529	12,607,529
8	10 - IG Rev - Federal				1,463,000	5,763,000	463,000	463,000	463,000	463,000	463,000
9	13 - Service Charges				2,960,544	2,960,544	2,960,544	2,960,544	2,960,544	2,960,544	2,960,544
10	19 - Miscellaneous Rev				109,971	109,971	109,971	109,971	109,971	109,971	109,971
11	20 - Other Fin Sources				10,651,659	10,651,659	10,651,659	10,651,659	10,651,659	10,651,659	10,651,659
12	Total Estimated Revenues				28,548,047	32,848,047	27,548,047	27,548,047	27,548,047	27,548,047	27,548,047
13											
14	30 - Salaries & Benefits				18,133,789	18,587,134	19,051,812	19,528,107	20,016,310	20,516,718	
15	40 - Services & Supplies				9,439,604	9,675,594	9,917,484	10,165,421	10,419,557	10,680,045	
16	50 - Other Charges				4,382,716	4,382,716	4,382,716	4,382,716	4,382,716	4,382,716	
17	60 - Fixed Assets				2,326,893	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000	
18	70 - Other Fin Uses				726,528	726,528	726,528	726,528	726,528	726,528	
19	73 - Intrafund Abatement				(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)	
20	Total Estimated Expenses				28,200,870	29,663,312	30,369,880	31,094,112	31,836,451	32,597,347	
21	Use/Gain(-/+) of Fund Balance				347,177	3,184,735	(2,821,833)	(3,546,065)	(4,288,404)	(5,049,300)	
22	Ending Estimated Fund Balance				1,641,899	4,826,634	2,004,801	(1,541,264)	(5,829,668)	(10,878,968)	

Original State Gas Tax Revenues

A4		fx Gas Tax (note 6)							
	A	V	W	X	Y	Z	AA	AB	AC
1		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
2	Description	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18
4	Gas Tax (note 6)	8,158,230	9,101,004	7,440,569	10,098,571	8,349,245	7,143,926	6,364,779	6,853,971
5	Transportation Dev Act (TDA)	0	0	4	0	0	0	0	0
6	Federal Forest Reserve (see note 1)	1,295,526	1,028,492	921,073	829,801	773,937	868,383	368,383	368,383
7	Franchise Public Utility Tax (note 7)	1,014,857	817,298	699,453	795,351	743,617	685,000	621,637	621,637
8	State Prop 1B	0	0	0	0	0	0	0	0

DOT Adjustments (\$4M Savings)

- Reduced Number of Staff (121 -83 FTE's)
- Contracted Services Out
- Pushed Out Deferred Maintenance
 - County owned Facilities
 - County owned Heavy Equipment

Maintain Roadway PCI of 64

- Currently Allocating \$9.7M
- Needed \$12.9M - Difference of \$3.2M / year
- Out Year Deferred Maintenance Increase
 - Currently: \$53M Deferred Maintenance Balance
 - Projected: \$98M Deferred Maintenance / ten years

DOT Contingencies for Future Events

- Reduction in Road Fund Balance
 - 2016 - \$11M Positive Balance
 - 2020 - \$5M Positive Balance
 - 2024 - **\$10M Negative Balance**
- DOT Contingency Allocation of \$1,000,000 / year

Road Fund Without Additional Allocation

C33		fx						
	A	B	C	D	E	F	G	H
			18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24
13								
14	30 - Salaries & Benefits		18,133,789	18,587,134	19,051,812	19,528,107	20,016,310	20,516,718
15	40 - Services & Supplies		9,439,604	9,675,594	9,917,484	10,165,421	10,419,557	10,680,045
16	50 - Other Charges		4,382,716	4,382,716	4,382,716	4,382,716	4,382,716	4,382,716
17	60 - Fixed Assets		2,326,893	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000
18	70 - Other Fin Uses		726,528	726,528	726,528	726,528	726,528	726,528
19	73 - Intrafund Abatement		(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)
20	Total Estimated Expenses		28,200,870	29,663,312	30,369,880	31,094,112	31,836,451	32,597,347
21	Use/Gain(-/+) of Fund Balance		347,177	3,184,735	(2,821,833)	(3,546,065)	(4,288,404)	(5,049,300)
22	Ending Estimated Fund Balance		1,641,899	4,826,634	2,004,801	(1,541,264)	(5,829,668)	(10,878,968)

Road Fund With Additional Allocation

K15		fx						
	A	B	C	D	E	F	G	H
			18/19	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24
13								
14	30 - Salaries & Benefits		18,133,789	18,587,134	19,051,812	19,528,107	20,016,310	20,516,718
15	40 - Services & Supplies		9,439,604	9,675,594	9,917,484	10,165,421	10,419,557	10,680,045
16	50 - Other Charges		4,382,716	4,382,716	4,382,716	4,382,716	4,382,716	4,382,716
17	60 - Fixed Assets		2,326,893	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000
18	70 - Other Fin Uses		726,528	726,528	726,528	726,528	726,528	726,528
19	73 - Intrafund Abatement		(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)	(6,808,660)
20	77 - Maintain PCI 64		-	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000
21	77 - Contingency for Future Events		-	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
22	Total Estimated Expenses		28,200,870	33,863,312	34,569,880	35,294,112	36,036,451	36,797,347
23	Use/Gain(-/+) of Fund Balance		347,177	(1,015,265)	(7,021,833)	(7,746,065)	(8,488,404)	(9,249,300)
24	Ending Estimated Fund Balance		1,641,899	626,634	(6,395,199)	(14,141,264)	(22,629,668)	(31,878,968)

Questions?