

**California
Department of Transportation**

**Price Index for Selected Highway Construction Items
First Quarter Ending March 31, 2018**

SUMMARY

Index this quarter	152.38
Point change from last quarter	11.51
Percentage change from last quarter	8.2%
Index last 12 months	
Point change from previous report	0.02
Percentage change from previous report	0.0%

Average number of bidders this quarter	
	4.92
Change in number of bidders from last quarter	
	-0.23

Notes: Price indices are computed using the Fisher formula and base year 2007.

Prepared by: Office of Construction Contract Awards
Division of Engineering Services – Program/Project Management and Office Engineer
1727 30th Street, 2nd Floor (MS43)
Sacramento, California 95816
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California Department of Transportation

Price Index for Selected Highway Construction Items
1st Quarter Ending March 31, 2018

Prepared by Division of Engineering Services - Office Engineer

NOTE: All information shown in the publication was assembled using the 2007 base year.

The California Price Index for Selected Highway Construction Items for the first quarter of 2018 stands at 152.38, up 11.51 points (8.2 percent) from the fourth quarter of 2017 index of 140.87. The index for the year-to-date (March 31, 2017 through March 31, 2018) is 145.10, up 0.02 points (2.1 percent) from the fourth quarter of 2017 year-to-date index of 145.08.

Cost decreases were recorded in Aggregate Base, Portland Cement Concrete (Pavement), and Portland Cement Concrete (Structure) in the first quarter.

Cost increases were recorded in Roadway Excavation, Asphalt Concrete Pavement, Bar Reinforcing Steel, and Structural Steel.

The average number of bidders per project in the first quarter of 2018 was 4.92, as compared to 5.48 in the fourth quarter of 2017 and 5.57 in the corresponding quarter of 2017.

Projects Bid Opened
(1st Quarter of 2018- 01/01/2018 to 03/31/2018)

Engineer's Estimate Range (by \$)			Number of Projects	% of Projects	Total \$ Value for Projects in this Engineer's Estimate Range	% of Total Cost
Up to 50,000			0	0.00%	\$ -	0.000%
50,000	to	100,000	0	0.00%	\$ -	0.00%
100,000	to	250,000	0	0.00%	\$ -	0.00%
250,000	to	500,000	10	5.85%	\$ 3,998,824.55	0.43%
500,000	to	1,000,000	26	15.20%	\$ 19,780,832.73	2.14%
1,000,000	to	2,500,000	43	25.15%	\$ 70,057,547.70	7.56%
2,500,000	to	5,000,000	45	26.32%	\$ 156,928,917.14	16.94%
5,000,000 and above			47	27.49%	\$ 675,387,708.74	72.92%
Total			171	100%	\$ 926,153,830.86	100%

Construction Item Costs Based on English Units

(Average prices are calculated using all bidders' prices for the selected bid items for all contracts that bid opened that quarter.)

Roadway Excavation: \$30.20 per cubic yard

The price increased \$9.26 from the average price of \$20.94 per cubic yard last quarter. The bid prices ranged from \$2.00 to \$767 per cubic yard.

Aggregate Base: \$30.70 per ton

The price decreased \$4.21 from the average price of \$34.91 per ton last quarter. The bid prices ranged from \$14.47 to \$658 per ton.

Asphalt Concrete Pavement: \$106.49 per ton

The price increased \$19.14 from the average price of 87.35 per ton last quarter. The bid prices ranged from \$58.00 to \$5,000 per ton.

Portland Cement Concrete (Pavement): \$369.64 per cubic yard

The price decreased \$176.34 from the average price of \$545.98 per cubic yard last quarter. The bid prices ranged from \$125.00 to \$1,000 per cubic yard.

Portland Cement Concrete (Structure): \$772.69 per cubic yard

The price decreased \$220.79 from the average price of \$993.48 per cubic yard last quarter. The bid prices ranged from \$300.00 to \$20,000 per cubic yard.

Bar Reinforcing Steel: \$1.11 per pound

The price increased \$0.01 from the average price of \$1.01 per pound last quarter. The bid prices ranged from \$0.28 to \$55.00 per pound.

Structural Steel: \$3.93 per pound

The price increased \$2.49 from the average price of \$1.44 per pound last quarter. The bid prices ranged from \$0.99 to \$448.76 per pound.

EXHIBIT A

**Price Index for Selected
Highway Construction Items
2007 = 100, Fisher formula**

YEAR	INDEX
1972	11.3
1973	11.4
1974	17.2
1975	17.2
1976	16.5
1977	19.8
1978	22.6
1979	29.3
1980	30.1
1981	34.4
1982	30.9
1983	31.0
1984	36.2
1985	36.0
1986	37.3
1987	39.7
1988	40.5
1989	43.9
1990	44.1
1991	40.4
1992	40.4
1993	42.2
1994	46.2
1995	45.0
1996	45.6
1997	47.6
1998	49.9
1999	52.9
2000	53.5
2001	58.7
2002	53.1
2003	56.6
2004	79.1
2005	98.1
2006	104.1
2007	100.0
2008	95.0
2009	78.4
2010	76.8
2011	84.0

EXHIBIT A

**Price Index for Selected
Highway Construction Items
2007 = 100, Fisher formula**

YEAR		Quarterly Index	Last 12 Months' Index
2012	(1st Quarter)	81.1	82.9
2012	(2nd Quarter)	84.6	81.3
2012	(3rd Quarter)	76.4	79.3
2012	(4th Quarter)	82.8	79.2
2013	(1st Quarter)	117.9	80.7
2013	(2nd Quarter)	134.9	82.5
2013	(3rd Quarter)	81.6	85.7
2013	(4th Quarter)	106.2	97.1
2014	(1st Quarter)	135.3	96.88
2014	(2nd Quarter)	109.11	104.56
2014	(3rd Quarter)	110.39	107.37
2014	(4th Quarter)	120.17	108.32
2015	(1st Quarter)	138.22	107.88
2015	(2nd Quarter)	110.93	109.91
2015	(3rd Quarter)	117.91	119.69
2015	(4th Quarter)	128.21	122.02
2016	(1st Quarter)	127.93	124.29
2016	(2nd Quarter)	130.75	128.71
2016	(3rd Quarter)	145.73	138.13
2016	(4th Quarter)	144.73	140.75
2017	(2nd Quarter)	153.06	145.33
2017	(2nd Quarter)	166.59	148.09
2017	(3rd Quarter)	149.96	152
2017	(4th Quarter)	140.87	145.08
2018	(1st Quarter)	152.38	145.10

EXHIBIT B

**California Department of
Transportation Average Highway
Contract Prices (English Units)**

	Roadway Excavation	Aggregate Base	Asphalt Concrete Pavement	PCC Pavement	PCC Structure	Bar Reinforcing Steel	Structural Steel
	<u>\$/CY</u>	<u>\$/TON</u>	<u>\$/TON</u>	<u>\$/CY</u>	<u>\$/CY</u>	<u>\$/LB</u>	<u>\$/LB</u>
1972	0.95	3.21	8.22	19.23	82.08	0.159	0.446
1973	0.75	3.14	9.02	19.24	93.60	0.169	0.635
1974	1.26	4.23	13.01	28.59	115.19	0.329	0.987
1975	1.19	4.70	14.24	30.63	132.10	0.239	0.838
1976	1.32	4.70	13.67	29.64	143.05	0.223	0.504
1977	1.76	5.44	15.15	35.17	150.03	0.239	1.228
1978	1.85	6.18	17.70	41.77	180.77	0.276	0.814
1979	2.36	7.49	22.40	52.39	234.24	0.383	1.960
1980	2.10	8.38	25.51	55.18	235.45	0.378	1.942
1981	3.14	8.63	28.53	59.45	226.84	0.386	2.091
1982	2.58	7.56	24.69	57.10	224.72	0.320	2.155
1983	2.10	9.20	27.57	52.04	225.84	0.335	2.155
1984	3.19	13.67	28.38	55.79	238.48	0.375	2.155
1985	2.77	11.55	30.15	64.13	232.39	0.413	2.288
1986	3.01	12.76	28.82	60.49	249.74	0.412	2.388
1987	2.97	17.57	27.54	70.62	280.40	0.418	2.546
1988	4.16	10.13	27.46	58.66	284.55	0.440	3.956
1989	4.19	10.62	29.43	73.78	303.49	0.483	3.103
1990	4.73	12.05	30.77	68.93	295.24	0.469	2.209
1991	3.08	10.07	33.43	62.64	295.21	0.431	2.284
1992	3.62	9.76	32.46	66.78	265.31	0.419	3.073
1993	4.53	9.89	35.41	66.76	243.79	0.464	2.706
1994	4.68	10.39	37.15	66.45	277.92	0.547	2.334
1995	4.10	10.18	35.29	63.85	298.80	0.499	2.266
1996	3.80	9.74	37.66	65.93	321.88	0.512	2.172
1997	5.25	10.29	36.07	78.48	308.54	0.496	2.337
1998	4.95	11.55	38.78	75.91	319.95	0.553	2.595
1999	6.55	12.86	40.14	77.95	321.22	0.521	3.215
2000	6.21	11.14	45.12	78.14	363.59	0.507	2.754
2001	5.83	14.58	43.89	75.74	425.17	0.612	3.906
2002	4.84	12.42	49.00	74.15	363.50	0.508	3.248
2003	5.05	15.05	48.35	109.96	362.75	0.600	1.710
2004	13.11	16.97	53.55	135.94	399.64	0.947	5.390
2005	14.13	20.61	75.72	171.22	567.31	0.968	2.666
2006	12.80	20.26	86.04	179.67	630.16	1.039	3.734
2007	10.84	20.54	85.48	204.69	566.25	0.935	6.966
2008	11.39	17.90	78.50	177.91	553.62	0.938	5.183
2009	9.37	14.91	80.38	125.41	484.78	0.593	4.492
1st Quarter 2010	26.70	21.79	85.51	116.22	609.73	0.775	3.999
2nd Quarter 2010	11.79	14.49	86.30	148.42	419.24	0.673	1.958
3rd Quarter 2010	5.49	16.61	75.00	131.73	434.65	0.669	8.227
4th Quarter 2010	7.67	12.81	76.54	112.71	547.98	0.788	1.826
Year 2010	7.94	14.20	80.25	122.82	483.64	0.716	2.149
1st Quarter 2011	11.37	11.79	84.60	150.76	431.25	0.870	7.212
2nd Quarter 2011	9.71	16.50	93.35	120.87	487.87	0.791	2.328
3rd Quarter 2011	11.56	15.34	97.53	143.76	421.50	0.891	7.255
4th Quarter 2011	13.51	14.49	81.33	147.29	335.31	0.900	2.023
Year 2011	11.82	14.12	87.11	135.40	427.76	0.830	2.102
1st Quarter 2012	8.34	16.43	99.70	117.18	506.31	0.878	2.858
2nd Quarter 2012	5.87	13.03	97.06	143.19	465.09	1.008	20.000
3rd Quarter 2012	7.39	13.77	72.92	138.70	454.53	0.907	1.895
4th Quarter 2012	12.73	17.77	94.41	153.24	458.51	0.952	2.586
Year 2012	8.24	14.66	89.36	132.52	461.23	0.927	2.497

EXHIBIT B
California Department of
Transportation Average Highway
Contract Prices (English Units)

	Roadway Excavation	Aggregate Base	Asphalt Concrete Pavement	PCC Pavement	PCC Structure	Bar Reinforcing Steel	Structural Steel
	\$/CY	\$/TON	\$/TON	\$/CY	\$/CY	\$/LB	\$/LB
1st Quarter 2013	13.98	34.74	102.58	135.96	731.69	1.292	11.018
2nd Quarter 2013	20.54	24.91	97.14	470	704.67	1.456	5.263
3rd Quarter 2013	5.47	16.32	100.47	172.27	502.1	0.912	17.647
4th Quarter 2013	16.8	25.14	110.07	159.5	462.23	0.943	8
Year 2013	8.98	18.6	100.11	157.26	538.01	1.01	5.57
1st Quarter 2014	22.47	27.26	103.56	242.47	771.12	1.084	3.21
2nd Quarter 2014	15.797	21.58	89.358	188.39	538.387	1.049	7.998
3rd Quarter 2014	14.51	18.14	81.85	227.8	750.82	1.16	13.88
4th Quarter 2014	17.2	25.44	113.1	166.23	582.22	1.18	15.44
Year 2014	17.49	23.1	96.97	206.22	660.64	1.12	10.132
1st Quarter 2015	17.4	25.55	116.21	166.41	588.18	1.21	16.46
2nd Quarter 2015	14.2	21.6	106.85	170.56	579.43	1.16	14.77
3rd Quarter 2015	14.28	19.72	84.2	219.78	754.11	1.16	14.63
4th Quarter 2015	17.6	24.55	113.1	219.82	689.72	1.27	16.32
Year 2015	15.87	22.85	105.09	194.14	652.86	1.2	15.54
1st Quarter 2016	18.1	23.3	121	194	644	1.41	17.82
2nd Quarter 2016	19.3	22.4	119	202	648	1.74	19.33
3rd Quarter 2016	23.4	26.1	122.6	228	761	1.65	20.7
4th Quarter 2016	23.6	28.2	123.1	219.3	758.9	1.67	20.62
Year 2016	21.1	25	121.43	210.83	702.98	1.62	19.62
1st Quarter 2017	25.27	29.44	126.15	221.71	763.32	1.81	22.26
2nd Quarter 2017	26.4	29.44	103.4	640	1131.86	1.27	10.87
3rd Quarter 2017	29.04	30.46	100.84	336.72	678.1	1.04	3.9
4th Quarter 2017	20.94	34.91	87.35	545.98	993.48	1.01	1.44
Year 2017	25.41	31.06	104.44	436.10	891.69	1.28	9.62
1st Quarter 2018	30.20	30.70	106.49	369.64	772.69	1.11	3.93