

**California
Department of Transportation**

**Price Index for Selected Highway Construction Items
Second Quarter Ending June 30, 2017**

SUMMARY

Index this quarter	166.59
Point change from last quarter	13.50
Percentage change from last quarter	8.80%
Index last 12 months	
Point change from previous report	2.74
Percentage change from previous report	2%

Average number of bidders per project this quarter	
	4.34
Change in the average number of bidders per project from last quarter	
	1.23

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

Prepared by: Cuong Nguyen, cuong.hung.nguyen@dot.ca.gov
 Division of Engineering Services – 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
2nd Quarter Ending June 30, 2017

Prepared by the Division of Engineering Services - Office Engineer

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

The California Price Index for Selected Highway Construction Items for the second quarter of 2017 stands at 166.54, up 13.50 points (8.80 percent) from the first quarter 2017 index of 153.06. The index for the year-to-date (June 30, 2016 through June 30, 2017) is 148.09, up 2.74 points (2 percent) from the fourth quarter 2016 year-to-date index of 140.75.

Cost increases were recorded in roadway excavation, aggregate base, portland cement concrete (pavement), portland cement concrete (structure), and structural steel in the second quarter.

The average number of bidders per project in the second quarter of 2017 is 4.34, as compared to 5.57 in the first quarter of 2017 and 5.1 in the corresponding quarter of 2016.

Projects Bid Opened

(April 1, 2017 through June 30, 2017)

Engineer's Estimate Range (by \$)			Number of Projects	% of Projects	Total \$ Value for Projects in this Estimate Range	% of Total Costs
Up to 50,000			0	0.00%	0	0.00%
50,000	to	100,000	0	0.00%	0	0.00%
100,000	to	250,000	1	0.82%	206,888	0.07%
250,000	to	500,000	26	21.31%	10,801,974	3.80%
500,000	to	1,000,000	32	26.23%	24,684,430	8.68%
1,000,000	to	2,500,000	29	23.77%	46,906,945	16.50%
2,500,000	to	5,000,000	22	18.03%	72,308,826	25.44%
5,000,000 and above			12	9.84%	129,335,835	45.50%
Total			122	100%	284,244,898	100%

Construction Item Costs Based on English Units

Roadway Excavation: \$26.40 per cubic yard

The price increased \$1.13 from the average price of \$25.27 per cubic yard last quarter. The bid prices ranged from \$14 to \$1,000 per cubic yard.

Aggregate Base: \$32.76 per ton

The price increased \$3.32 from the average price of \$29.44 per ton last quarter. The bid prices ranged from \$26 to \$741 per ton.

Asphalt Concrete Pavement: \$105.20 per ton

The price decreased \$20.95 from the average price of \$126.15 per ton last quarter. The bid prices ranged from \$65 to \$1,250 per ton.

Portland Cement Concrete (Pavement): \$640 per cubic yard

The price increased \$418.29 from the average price of \$221.71 per cubic yard last quarter. The bid price was \$640 per cubic yard.

Portland Cement Concrete (Structure): \$1,131.86 per cubic yard

The price increased \$368.54 from the average price of \$763.32 per cubic yard last quarter. The bid price was \$470 to \$9,000 per cubic yard.

Bar Reinforcing Steel: \$1.27 per pound

The price decreased \$0.54 from the average price of \$1.81 per pound last quarter. The bid prices ranged from \$1.10 to \$12 per pound.

Structural Steel: \$10.86 per pound

The price decreased \$11.40 from the average price of \$22.26 per pound last quarter. The bid prices ranged from \$2.50 to \$151 per pound.

EXHIBIT A

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

<u>YEAR</u>	<u>QTRLY</u>	<u>LAST 12 Months</u>	<u>Annual</u>
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
1984			36.2
1985			36
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
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
2008			95
2009			78.4
2010			76.8
2011			84
2012			79.2
2013			97.09
2014	Q1	135.3	96.88
2014	Q2	109.11	104.56
2014	Q3	110.39	107.37
2014	Q4	120.17	
	(Year)		108.32
2015	Q1	138.22	107.88
2015	Q2	110.93	109.91
2015	Q3	117.91	119.69
2015	Q4	128.21	
	(Year)		122.02

<u>YEAR</u>		<u>QTRLY</u>	<u>LAST 12 Months</u>	<u>Annual</u>
2016	Q1	127.93	124.29	
2016	Q2	130.75	128.71	
2016	Q3	145.73	138.13	
2016	Q4	144.73		
	(Year)			108.32
2017	Q1	153.06	145.33	
2017	Q2	166.59	148.09	

EXHIBIT B

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

	Roadway Excavation "1" <u>Per Cu Yd</u>	Aggregate Base <u>Per Ton</u>	Asphalt Concrete Pavement <u>Per Ton</u>	PCC Pavement <u>Per Cu Yd</u>	Class "A" PCC Structure <u>Per Cu Yd</u>	Bar Reinforcing Steel <u>Per Lb</u>	Structural Steel "2" <u>Per 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
2010	7.94	14.20	80.25	122.82	483.64	0.716	2.149
2011	11.82	14.12	87.11	135.40	427.76	0.830	2.102
2012	8.24	14.66	89.36	132.52	461.23	0.927	2.497
2013	8.98	18.60	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	17.20	25.44	113.10	166.23	582.22	1.18	15.44
Year 2014	17.49	23.10	96.97	206.22	660.64	1.12	10.132
1st Quarter 2015	17.40	25.55	116.21	166.41	588.18	1.21	16.46
2nd Quarter 2015	14.20	21.60	106.85	170.56	579.43	1.16	14.77
3rd Quarter 2015	14.28	19.72	84.20	219.78	754.11	1.16	14.63
4th Quarter 2015	17.60	24.55	113.10	219.82	689.72	1.27	16.32
Year 2015	15.87	22.85	105.09	194.14	652.86	1.20	15.54

	Roadway Excavation "1" <u>Per Cu Yd</u>	Aggregate Base <u>Per Ton</u>	Asphalt Concrete Pavement <u>Per Ton</u>	PCC Pavement <u>Per Cu Yd</u>	Class "A" PCC Structure <u>Per Cu Yd</u>	Bar Reinforcing Steel <u>Per Lb</u>	Structural Steel "2" <u>Per Lb</u>
1st Quarter 2016	18.10	23.30	121	194	644	1.41	17.82
2nd Quarter 2016	19.30	22.40	119	202	648	1.74	19.33
3rd Quarter 2016	23.40	26.10	122.6	228	761	1.65	20.70
4th Quarter 2016	23.60	28.20	123.10	219.30	758.90	1.67	20.62
Year 2016	21.10	25.00	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	26.40	32.76	103.4	640	1131.86	1.27	10.87

1. Unclassified.
2. Beginning 1st quarter 2003, structural steel includes furnish and erect structural steel (bridge).