

**California
Department of Transportation**

**Price Index for Selected Highway Construction Items
Third Quarter Ending September 30, 2017**

SUMMARY

Index this quarter	155.2
Point change from last quarter	15.1
Percentage change from last quarter	8.86%
Index last 12 months	
Point change from previous report	4.89
Percentage change from previous report	3.3%

Average number of bidders this quarter	
	5.25
Change in number of bidders from last quarter	
	0.91

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

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Date: 11/2/17



California Department of Transportation

Price Index for Selected Highway Construction Items
3rd Quarter Ending September 30, 2017

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 third quarter of 2017 stands at 155.2, down 15.1 points (8.86 percent) from the second quarter of 2017 index of 170.30. The Index for the year-to-date (September 30, 2016 through September 30, 2017) is 153.15, up 4.89 points (3.3 percent) from the second quarter of 2016 year-to-date index of 148.26.

Cost decreases were recorded in Aggregate Base, Portland Cement Concrete (Pavement), Portland Cement Concrete (Structure), Bar Reinforcing Steel and Structural Steel in the third quarter.

The average number of bidders per project in the third quarter of 2017 is 5.25, more amount of bidder per project as compared to 4.43 in the second quarter of 2017 and up 0.05 as compared to 5.2 in the corresponding quarter of 2016.

Projects Bid Opened
(July 1, 2017 through September 30, 2017)

Range(by \$)			Number of Projects	%	Amounts of Projects (\$)	%
Up to 50,000			0	0.00%	0	0.000%
50,000	to	100,000	0	0.00%	0	0.00%
100,000	to	250,000	1	1.45%	193519	0.06%
250,000	to	500,000	6	8.70%	2231995.7	0.64%
500,000	to	1,000,000	13	18.84%	10,091,199	2.88%
1,000,000	to	2,500,000	21	30.43%	33,962,352	9.71%
2,500,000	to	5,000,000	10	14.49%	40,203,705	11.49%
5,000,000 and above			18	26.09%	263,246,605	75.23%
Total			69	100%	349,929,376	100%

Construction Item Costs Based on English Units

Roadway Excavation: \$29.04 per cubic yard

The price increased \$2.64 from the average price of \$26.40 per cubic yard last quarter. The bid prices ranged from \$9.00 to \$1500.00 per cubic yard.

Aggregate Base: \$46.30 per ton

The price decreased \$3.50 from the average price of \$49.80 per ton last quarter. The bid prices ranged from \$22 to \$560 per ton.

Asphalt Concrete Pavement: \$100.84 per ton

The price decreased \$2.56 from the average price of \$103.4 per ton last quarter. The bid prices ranged from \$54 to \$5000.00 per ton.

Portland Cement Concrete (Pavement): \$336.72 per cubic yard

The price decreased \$303.28 from the average price of \$640 per cubic yard last quarter. The bid prices ranged from \$256.00 to \$685.00 per cubic yard.

Portland Cement Concrete (Structure): \$678.10 per cubic yard

The price decreased \$453.76 from the average price of \$1131.86 per cubic yard last quarter. The bid prices ranged from \$362.50 to \$50,000.00 per cubic yard.

Bar Reinforcing Steel: \$1.04 per pound

The price decreased \$0.23 from the average price of \$1.27 per pound last quarter. The bid prices ranged from \$0.72 to 11.55 per pound.

Structural Steel: \$3.90 per pound

The price decreased \$6.96 from the average price of \$10.86 per pound last quarter. The bid prices ranged from \$1.00 to \$56 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			31.0
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	(1st Quarter)	98.1	95.5
2009	(2nd Quarter)	74.5	92.0
2009	(3rd Quarter)	88.4	80.4
2009	(4th Quarter)	74.3	
	(Year)		78.4
2010	(1st Quarter)	101.5	78.5
2010	(2nd Quarter)	79.3	79.1
2010	(3rd Quarter)	72.1	76.2
2010	(4th Quarter)	76.7	
	(Year)		76.8
2011	(1st Quarter)	86.4	76.2
2011	(2nd Quarter)	85.2	78.9
2011	(3rd Quarter)	85.8	81.7
2011	(4th Quarter)	81.4	
	(Year)		84.0
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		
	(Year)	.....			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		
	(Year)	.....			97.09
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	(1st Quarter)	.....	153.06	145.33	
2017	(2nd Quarter)	.....	170.3	148.26	
2017	(3rd Quarter)	.....	155.2	153.15	

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
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
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	470.00	704.67	1.456	5.263
3rd Quarter 2013	5.47	16.32	100.47	172.27	502.10	0.912	17.647
4th Quarter 2013	16.80	25.14	110.07	159.50	462.23	0.943	8.00

Year 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
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	49.8	103.4	640	1131.86	1.27	10.87
3rd Quarter 2017	29.04	46.30	100.84	336.72	678.1	1.04	3.90

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