

**California  
Department of Transportation**

**Price Index for Selected Highway Construction Items  
First Quarter Ending March 31, 2019**

**SUMMARY**

<b>Index this quarter</b>	<b>144.19</b>
Point change from last quarter	<b>-26.2</b>
Percentage change from last quarter	<b>-15.4%</b>
<b>Index last 12 months</b>	
Point change from previous report	<b>-6.99</b>
Percentage change from previous report	<b>-4.3%</b>

<b>Average number of bidders this quarter</b>	
	<b>5.26</b>
<b>Change in number of bidders from last quarter</b>	
	<b>0.11</b>

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

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California Department of Transportation

Price Index for Selected Highway Construction  
Items  
1st Quarter Ending March 31, 2019

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 2019 stands at 144.19, down 26.2 points (-15.4 percent) from the fourth quarter of 2018 index of 170.37. The index for the last twelve months (April 1, 2018 through March 31, 2019) is 156.4, down 6.99 points (-4.3 percent) from the fourth quarter of 2018 year-to-date index of 163.38.

Cost decreases were recorded in Roadway Excavation, Aggregate Base, Asphalt Concrete Pavement, Portland Cement Concrete (Pavement), Portland Cement Concrete (Structure), and Bar Reinforcing Steel in the first quarter.

Cost increases were recorded in Structural Steel in the first quarter.

The average number of bidders per project in the first quarter of 2019 was 5.26, as compared to 5.15 in the fourth quarter of 2018 and 4.92 in the corresponding quarter of 2018.

**Projects Bid Opened**  
1st Quarter of 2019 (01/01/2019 to 03/31/2019)

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%	-	0.00%
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	12	9.09%	\$4,585,105.50	0.35%
500,000	to	1,000,000	19	14.39%	\$13,746,831.69	1.05%
1,000,000	to	2,500,000	31	23.48%	\$50,909,360.72	3.89%
2,500,000	to	5,000,000	32	24.24%	\$109,629,870.95	8.39%
5,000,000 and above			38	28.79%	\$1,128,570,531.04	86.32%
<b>Total</b>			<b>132</b>	<b>100%</b>	<b>\$ 1,307,441,699.90</b>	<b>100%</b>

## **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: \$21.51 per cubic yard

The price decreased \$12.78 from the average price of \$34.29 per cubic yard last quarter. The bid prices ranged from \$7 to \$877 per cubic yard.

### Aggregate Base: \$32.43 per ton

The price decreased \$12.44 from the average price of \$44.87 per ton last quarter. The bid prices ranged from \$10.91 to \$637.50 per ton.

### Asphalt Concrete Pavement: \$99.33 per ton

The price decreased \$15.47 from the average price of \$114.80 per ton last quarter. The bid prices ranged from \$44 to \$25,000 per ton.

### Portland Cement Concrete (Pavement): \$306.84 per cubic yard

The price decreased \$29.64 from the average price of \$336.48 per cubic yard last quarter. The bid prices ranged from \$240 to \$901.03 per cubic yard.

### Portland Cement Concrete (Structure): \$875.89 per cubic yard

The price decreased \$586.93 from the average price of \$1,462.82 per cubic yard last quarter. The bid prices ranged from \$280 to \$11,000 per cubic yard.

### Bar Reinforcing Steel: \$1.29 per pound

The price decreased \$0.26 from the average price of \$1.55 per pound last quarter. The bid prices ranged from \$0.65 to \$50 per pound.

### Structural Steel: \$2.56 per pound

The price increased \$0.56 from the average price of \$2.00 per pound last quarter. The bid prices ranged from \$0.60 to \$50 per pound.

EXHIBIT A

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

<b>YEAR</b>	<b>INDEX</b>
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
<b>2007 .....</b>	<b>100.0</b>
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**

<b>YEAR</b>		<b>Quarterly Index</b>	<b>Last 12 Months' Index</b>
2012	(1st Quarter)	81.1	82.9
2012	(2nd Quarter)	84.6	81.3
2012	(3rd Quarter)	76.4	79.3
<b>2012</b>	<b>(4th Quarter)</b>	<b>82.8</b>	<b>79.2</b>
2013	(1st Quarter)	117.9	80.7
2013	(2nd Quarter)	134.9	82.5
2013	(3rd Quarter)	81.6	85.7
<b>2013</b>	<b>(4th Quarter)</b>	<b>106.2</b>	<b>97.1</b>
2014	(1st Quarter)	135.3	96.88
2014	(2nd Quarter)	109.11	104.56
2014	(3rd Quarter)	110.39	107.37
<b>2014</b>	<b>(4th Quarter)</b>	<b>120.17</b>	<b>108.32</b>
2015	(1st Quarter)	138.22	107.88
2015	(2nd Quarter)	110.93	109.91
2015	(3rd Quarter)	117.91	119.69
<b>2015</b>	<b>(4th Quarter)</b>	<b>128.21</b>	<b>122.02</b>
2016	(1st Quarter)	127.93	124.29
2016	(2nd Quarter)	130.75	128.71
2016	(3rd Quarter)	145.73	138.13
<b>2016</b>	<b>(4th Quarter)</b>	<b>144.73</b>	<b>140.75</b>
2017	(2nd Quarter)	153.06	145.33
2017	(2nd Quarter)	166.59	148.09
2017	(3rd Quarter)	149.96	152
<b>2017</b>	<b>(4th Quarter)</b>	<b>140.87</b>	<b>145.08</b>
2018	(1st Quarter)	152.38	145.10
2018	(2nd Quarter)	170.53	146.60
2018	(3rd Quarter)	191.47	153.52
<b>2018</b>	<b>(4th Quarter)</b>	<b>170.37</b>	<b>163.38</b>
2019	(1st Quarter)	144.19	156.40

## 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
<b>Year 2010</b>	<b>7.94</b>	<b>14.20</b>	<b>80.25</b>	<b>122.82</b>	<b>483.64</b>	<b>0.716</b>	<b>2.149</b>
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
<b>Year 2011</b>	<b>11.82</b>	<b>14.12</b>	<b>87.11</b>	<b>135.40</b>	<b>427.76</b>	<b>0.830</b>	<b>2.102</b>
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
<b>Year 2012</b>	<b>8.24</b>	<b>14.66</b>	<b>89.36</b>	<b>132.52</b>	<b>461.23</b>	<b>0.927</b>	<b>2.497</b>

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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
<b>Year 2013</b>	<b>8.98</b>	<b>18.6</b>	<b>100.11</b>	<b>157.26</b>	<b>538.01</b>	<b>1.01</b>	<b>5.57</b>
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
<b>Year 2014</b>	<b>17.49</b>	<b>23.1</b>	<b>96.97</b>	<b>206.22</b>	<b>660.64</b>	<b>1.12</b>	<b>10.132</b>
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
<b>Year 2015</b>	<b>15.87</b>	<b>22.85</b>	<b>105.09</b>	<b>194.14</b>	<b>652.86</b>	<b>1.2</b>	<b>15.54</b>
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
<b>Year 2016</b>	<b>21.1</b>	<b>25</b>	<b>121.43</b>	<b>210.83</b>	<b>702.98</b>	<b>1.62</b>	<b>19.62</b>
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
<b>Year 2017</b>	<b>25.41</b>	<b>31.06</b>	<b>104.44</b>	<b>436.10</b>	<b>891.69</b>	<b>1.28</b>	<b>9.62</b>
1st Quarter 2018	30.20	30.70	106.49	369.64	772.69	1.11	3.93
2nd Quarter 2018	27.49	35.86	120.00	659.11	685.30	1.54	6.94
3rd Quarter 2018	28.89	36.27	105.17	831.46	1,260.38	1.40	2.95
4th Quarter 2018	34.29	44.87	114.80	336.48	1,462.82	1.55	2.00
<b>Year 2018</b>	<b>30.22</b>	<b>36.93</b>	<b>111.62</b>	<b>549.17</b>	<b>1,045.30</b>	<b>1.40</b>	<b>3.96</b>
1st Quarter 2019	21.51	32.43	99.33	306.84	875.89	1.29	2.56