

**California  
Department of Transportation**

**Price Index for Selected Highway Construction Items  
Third Quarter Ending September 30, 2010**

**SUMMARY**

<b>Index this quarter</b>	<b>72.1</b>
Point change from last quarter	<b>- 7.2</b>
Percentage change from last quarter	<b>- 9.1%</b>
<b>Index last 12 months</b>	
Point change from previous report	<b>- 2.9</b>
Percentage change from previous report	<b>- 3.6%</b>

<b>Average number of bidders this quarter</b>	
	<b>6.3</b>
<b>Change in number of bidders from last quarter</b>	
	<b>+ 0.2</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  
3rd Quarter Ending September 30, 2010

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 2010 stands at 72.1, down 7.2 points (9.1 percent) from the second quarter of 2010 index of 79.3. The Index for the year-to-date (October 1, 2009 through September 30, 2010) is 76.2, down 2.9 points (3.6 percent) from the second quarter of 2010 year-to-date index of 79.1.

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

The average number of bidders per project in the third quarter of 2010 is 6.3, up 0.2 bidders per project as compared to 6.1 in the second quarter of 2010 and down 1.9 as compared to 8.2 in the corresponding quarter of 2009.

The Engineering News-Record's Construction Cost Index average for the third quarter of 2010 is 8861.5, up 113.9 points or 1.3% from 8747.6 of the last quarter. The price index uses a 1913 = 100 base.

The U. S. Bureau of Labor Statistics' Consumer Price Index average for the third quarter of 2010 is 218.3, for U. S. City average of All Urban Consumers, up 0.2 points or 0.1 % from 218.1 of the last quarter. The price index uses a 1982-84 =100 base.

**Projects Bid Opened**

(July 1, 2010 through September 30, 2010)

Range (\$)			Number of Projects	%	Amounts of Projects (\$)	%
Up to 50,000			0	0.00	0	0.00
50,000	to	100,000	2	2.99	116,338	0.02
100,000	to	250,000	9	13.43	1,537,341	0.30
250,000	to	500,000	12	17.91	4,191,379	0.83
500,000	to	1,000,000	10	14.93	7,614,931	1.51
1,000,000	to	2,500,000	13	19.40	19,693,464	3.90
2,500,000	to	5,000,000	4	5.97	13,931,353	2.76
5,000,000 and above			17	25.37	457,858,384	90.68
<b>Total</b>			<b>67</b>	<b>100.00</b>	<b>\$504,943,189</b>	<b>100.00</b>

## **Construction Item Costs Based on English Units**

### Roadway Excavation: \$5.49 per cubic yard

The price decreased \$6.30 from the average unit price of \$11.79 per cubic yard last quarter. Unit bid prices ranged from \$2.50 to \$200.00 per cubic yard.

### Aggregate Base: \$16.61 per ton

The price increased \$2.12 from the average unit price of \$14.49 per ton last quarter. Unit bid prices ranged from \$10.53 to \$131.58 per ton.

### Asphalt Concrete Pavement: \$75.00 per ton

The unit price decreased \$11.30 from the average unit price of \$86.30 per ton last quarter. Unit prices ranged from \$59.00 to \$300.00 per ton.

### Portland Cement Concrete (Pavement): \$131.73 per cubic yard

The unit price decreased \$16.69 from the average unit price of \$148.42 per cubic yard last quarter. Unit prices ranged from \$125.00 to \$197.00 per cubic yard.

### Portland Cement Concrete (Structure): \$434.65 per cubic yard

The unit price increased \$15.41 from the average unit price of \$419.24 per cubic yard last quarter. Unit prices ranged \$130.00 to \$3,605.00 per cubic yard.

### Bar Reinforcing Steel: \$0.669 per pound

The unit price decreased \$0.004 from the average unit price of \$0.673 per pound last quarter. Unit prices ranged from \$0.57 to \$1.65 per pound.

### Structural Steel: \$ 8.227 per pound

The unit price increased \$6.269 from the average unit price of \$1.958 per pound last quarter. Unit prices ranged from \$1.84 to \$12.00 per pound.

## **Construction Item Costs Based on Metric Units**

### Roadway Excavation: \$7.18 per cubic meter

The price decreased \$8.24 from the average unit price of \$15.42 per cubic meter last quarter. Unit bid prices ranged from \$3.27 to \$261.59 per cubic meter.

### Aggregate Base: \$18.31 per ton

The price increased \$2.34 from the average unit price of \$15.97 per ton last quarter. Unit bid prices ranged from \$11.60 to \$145.04 per ton.

### Asphalt Concrete Pavement: \$82.68 per ton

The unit price decreased \$12.45 from the average unit price of \$95.13 per ton last quarter. Unit prices ranged from \$65.04 to \$330.69 per ton.

### Portland Cement Concrete (Pavement): \$172.30 per cubic meter

The unit price decreased \$21.82 from the average unit price of \$194.12 per cubic meter last quarter. Unit prices ranged from \$163.49 to \$257.67 per cubic meter.

### Portland Cement Concrete (Structure): \$568.50 per cubic meter

The unit price increased \$20.15 from the average unit price of \$548.35 per cubic meter last quarter. Unit prices ranged from \$170.03 to \$4,715.16 per cubic meter.

### Bar Reinforcing Steel: \$1.476 per kilogram

The unit price decreased \$0.008 from the average unit price of \$1.484 per kilogram last quarter. Unit prices ranged from \$1.25 to \$3.64 per kilogram.

### Structural Steel: \$18.138 per kilogram

The unit price increased \$13.821 from the average unit price of \$4.317 per kilogram last quarter. Unit prices ranged from \$4.06 to \$26.46 per kilogram.

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	(1st Quarter) .....	121.8	119.8
2007	(2nd Quarter) .....	137.1	122.4
2007	(3rd Quarter) .....	103.2	114.3
2007	(4th Quarter) .....	79.6	
	(Year) .....		100.0
2008	(1st Quarter) .....	93.5	95.5
2008	(2nd Quarter) .....	95.4	90.7
2008	(3rd Quarter) .....	109.3	91.8
2008	(4th Quarter) .....	84.8	
	(Year) .....		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

\* Revised from last report.

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
1st Quarter 2007	27.68	25.60	86.94	215.12	542.12	1.145	5.370
2nd Quarter 2007	29.61	27.30	91.46	223.54	742.32	0.974	7.696
3rd Quarter 2007	10.75	21.66	86.91	214.86	523.68	0.892	52.005
4th Quarter 2007	5.86	16.95	74.41	184.66	507.47	0.814	4.552
<b>Year 2007</b>	<b>10.84</b>	<b>20.54</b>	<b>85.48</b>	<b>204.69</b>	<b>566.25</b>	<b>0.935</b>	<b>6.966</b>
1st Quarter 2008	9.45	18.39	78.56	186.38	582.71	0.834	5.300
2nd Quarter 2008	8.10	18.29	85.02	200.07	597.84	1.076	4.923
3rd Quarter 2008	22.46	18.68	80.17	172.03	515.53	1.164	4.001
4th Quarter 2008	11.52	15.27	66.21	164.44	456.43	0.894	6.958
<b>Year 2008</b>	<b>11.39</b>	<b>17.90</b>	<b>78.50</b>	<b>177.91</b>	<b>553.62</b>	<b>0.938</b>	<b>5.183</b>
1st Quarter 2009	15.64	23.16	74.48	142.97	664.17	0.552	5.584
2nd Quarter 2009	7.59	14.55	61.38	145.41	479.45	0.664	8.532
3rd Quarter 2009	13.61	14.90	145.00	114.37	460.69	0.572	2.769
4th Quarter 2009	6.84	13.36	84.87	140.65	426.80	0.620	5.448
<b>Year 2009</b>	<b>9.37</b>	<b>14.91</b>	<b>80.38</b>	<b>125.41</b>	<b>484.78</b>	<b>0.593</b>	<b>4.492</b>
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

1. Unclassified.

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

\* Prices are revised from last report.

EXHIBIT B

California Department Of Transportation  
Average Highway Contract Prices  
(Metric Units)

	Roadway Excavation "1" <u>Per M3</u>	Aggregate Base <u>Per Tonn</u>	Asphalt Concrete Pavement <u>Per Tonn</u>	PCC Pavement <u>Per M3</u>	Class "A" PCC Structure <u>Per M3</u>	Bar Reinforcing Steel <u>Per Kg</u>	Structural Steel "2" <u>Per Kg</u>
1972	1.24	3.54	9.06	25.15	107.36	0.351	0.983
1973	0.98	3.46	9.94	25.16	122.42	0.373	1.400
1974	1.65	4.66	14.34	37.39	150.66	0.725	2.176
1975	1.56	5.18	15.70	40.06	172.78	0.527	1.847
1976	1.73	5.18	15.07	38.77	187.10	0.492	1.111
1977	2.30	6.00	16.70	46.00	196.23	0.527	2.707
1978	2.42	6.81	19.51	54.63	236.44	0.608	1.795
1979	3.09	8.26	24.69	68.52	306.37	0.844	4.321
1980	2.75	9.24	28.12	72.17	307.96	0.833	4.281
1981	4.11	9.51	31.45	77.76	296.70	0.851	4.610
1982	3.37	8.33	27.22	74.68	293.92	0.705	4.751
1983	2.75	10.14	30.39	68.07	295.39	0.739	4.751
1984	4.17	15.07	31.28	72.97	311.92	0.827	4.751
1985	3.62	12.73	33.23	83.88	303.95	0.911	5.044
1986	3.94	14.07	31.77	79.12	326.65	0.908	5.265
1987	3.88	19.37	30.36	92.37	366.75	0.922	5.613
1988	5.44	11.17	30.27	76.72	372.18	0.970	8.721
1989	5.48	11.71	32.44	96.50	396.95	1.065	6.841
1990	6.19	13.28	33.92	90.16	386.16	1.034	4.870
1991	4.03	11.10	36.85	81.93	386.12	0.950	5.035
1992	4.73	10.76	35.78	87.34	347.01	0.924	6.775
1993	5.93	10.90	39.03	87.32	318.87	1.023	5.966
1994	6.12	11.45	40.95	86.91	363.51	1.206	5.146
1995	5.36	11.22	38.90	83.51	390.82	1.100	4.996
1996	5.09	10.74	41.51	86.23	421.00	1.129	4.788
1997	6.87	11.35	39.76	102.65	403.56	1.094	5.152
1998	6.47	12.73	42.75	99.29	418.48	1.219	5.721
1999	8.57	14.17	44.24	101.95	420.15	1.148	7.088
2000	8.12	12.28	49.73	102.21	475.55	1.118	6.071
2001	7.63	16.07	48.39	99.06	556.10	1.349	8.612
2002	6.32	13.70	54.01	96.99	475.44	1.120	7.160
2003	6.60	16.59	53.30	143.82	474.45	1.313	3.769
2004	17.15	18.70	59.03	177.81	522.71	2.087	11.883
2005	18.48	22.72	83.47	223.94	742.02	2.134	5.878
2006	16.75	22.34	94.84	235.00	824.21	2.291	8.231
1st Quarter 2007	36.20	28.22	95.84	281.37	709.07	2.524	11.839
2nd Quarter 2007	38.72	30.10	100.82	292.38	970.91	2.146	16.966
3rd Quarter 2007	14.06	23.87	95.81	281.02	684.95	1.966	114.651
4th Quarter 2007	7.66	18.68	82.02	241.53	663.75	1.794	10.036
<b>Year 2007</b>	<b>14.18</b>	<b>22.64</b>	<b>94.23</b>	<b>267.73</b>	<b>740.62</b>	<b>2.062</b>	<b>15.358</b>
1st Quarter 2008	12.36	20.27	86.60	243.78	762.15	1.838	11.685
2nd Quarter 2008	10.60	20.16	93.72	261.68	781.95	2.373	10.853
3rd Quarter 2008	29.38	20.59	88.38	225.01	674.29	2.566	8.822
4th Quarter 2008	15.07	16.83	72.98	215.07	596.99	1.970	15.340
<b>Year 2008</b>	<b>14.90</b>	<b>19.73</b>	<b>86.53</b>	<b>232.69</b>	<b>724.11</b>	<b>2.068</b>	<b>11.426</b>
1st Quarter 2009	20.45	25.53	82.10	187.00	868.70	1.216	12.311
2nd Quarter 2009	9.93	16.04	67.66	190.19	627.10	1.464	18.811
3rd Quarter 2009	17.80	16.42	159.84	149.59	602.56	1.261	6.104
4th Quarter 2009	8.95	14.73	93.56	183.96	558.23	1.366	12.012
<b>Year 2009</b>	<b>12.25</b>	<b>16.44</b>	<b>88.61</b>	<b>164.03</b>	<b>634.07</b>	<b>1.308</b>	<b>9.902</b>
1st Quarter 2010	34.92	24.02	94.26	152.01	797.50	1.708	8.816*
2nd Quarter 2010	15.42	15.97	95.13	194.12	548.35	1.484	4.317*
3rd Quarter 2010	7.18	18.31	82.68	172.30	568.50	1.476	18.138

1. Unclassified.

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

\* Prices are revised from last report.

Exhibit C

California Department of Transportation

Number and Dollar Value of Highway Projects  
Total Number of Bids and Average Number of Bidders  
(July 1, 2010 through September 30, 2010)

	RANGE 1	RANGE 2	RANGE 3	RANGE 4	RANGE 5	RANGE 6	RANGE 7	RANGE 8	All Projects
	Up to \$50,000	\$50,000 to \$100,000	\$100,000 to \$250,000	\$250,000 to \$500,000	\$500,000 to \$1,000,000	\$1,000,000 to \$2,500,000	\$2,500,000 to \$5,000,000	\$5,000,000 and above	
<b><u>Road Projects</u></b>									
Number of Projects	0	2	7	10	8	10	4	7	48
Total Value*	\$0	\$116,338	\$1,175,225	\$3,506,636	\$5,933,947	\$14,512,200	\$13,931,353	\$112,393,847	\$151,569,545
Number of Bidders	0	14	40	57	37	57	18	48	271
Average No of Bidders	0	7.0	5.7	5.7	4.6	5.7	4.5	6.9	5.6
<b><u>Structure Projects</u></b>									
Number of Projects	0	0	2	2	2	3	0	3	12
Total Value*	\$0	\$0	\$362,116	\$684,744	\$1,680,984	\$5,181,264	\$0	\$34,823,591	\$42,732,699
Number of Bidders	0	0	20	18	15	16	0	23	92
Average No of Bidders	0	0	10.0	9.0	7.5	5.3	0	7.7	7.7
<b><u>Combination Projects</u></b>									
Number of Projects	0	0	0	0	0	0	0	7	7
Total Value*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$310,640,946	\$310,640,946
Number of Bidders	0	0	0	0	0	0	0	60	60
Average No of Bidders	0	0	0	0	0	0	0	8.6	8.6
<b><u>Summary</u></b>									
Number of Projects	0	2	9	12	10	13	4	17	67
Total Value*	\$0	\$116,338	\$1,537,341	\$4,191,379	\$7,614,931	\$19,693,464	\$13,931,353	\$457,858,384	\$504,943,189
Number of Bidders	0	14	60	75	52	73	18	131	423
Average No of Bidders	0	7.0	6.7	6.3	5.2	5.6	4.5	7.7	6.3

\*Bid Items Only

Average Number of Bidders by Month

JUL	AUG	SEP
6.8	7.7	5.2