

**California  
Department of Transportation**

**Price Index for Selected Highway Construction Items**

**SUMMARY**

**First Quarter Ending March 31, 2009**

<b>Index this quarter</b>	<b>276.5</b>
Point change from last quarter	<b>+ 49.6</b>
Percentage change from last quarter	<b>+ 21.9 %</b>
<b>Index last 12 months</b>	<b>258.2</b>
Point change from previous report	<b>+ 5.5</b>
Percentage change from previous report	<b>+ 2.2 %</b>

Average number of bidders this quarter	<b>8.1</b>
Change in number of bidders from last quarter	<b>- 0.2</b>

NOTE: All information shown in this publication was assembled using the 1987 base year.

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California Department of Transportation

**Highway Construction Cost Index**

1st Quarter Ending March 31, 2009

Prepared by Division of Engineering Services - Office Engineer

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**NOTE:** All information shown in the publication was assembled using the 1987 base year.

The California Highway Construction Cost Index for the first quarter of 2009 stands at 276.5, up 49.6 points (21.9 percent) from the fourth quarter of 2008 index of 226.9. The Index for the year-to-date (April 1, 2008 through March 31, 2008) is 258.2, up 5.5 points (2.2 percent) from the fourth quarter of 2008 year-to-date index of 252.7.

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

The average number of bidders per project in the first quarter of 2009 is 8.1, down 0.2 bidders per project as compared to 8.3 for the fourth quarter of 2008 and down 0.3 as compared to 8.4 for the corresponding quarter of 2008.

The Engineering News-Record's Construction Cost Index average for the first quarter of 2009 is 8538.7, down 53.3 points or 0.6 % from 8592.0 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 first quarter 2009 is 212.0, for U. S. City average of All Urban Consumers, down 1.1 points or 0.5 % from 213.1 of the last quarter. The price index uses a 1982-84 =100 base.

**Projects Bid Opened**

(January 1, 2009 through March 31, 2009)

Range (\$)			Number of Projects	%	Amounts of Projects (\$)	%
Up to 50,000			1	0.52	35,625	0.01
50,000	to	100,000	10	5.18	842,350	0.24
100,000	to	250,000	32	16.58	5,232,905	1.48
250,000	to	500,000	45	23.32	16,531,170	4.68
500,000	to	1,000,000	49	25.39	37,646,019	10.66
1,000,000	to	2,500,000	34	17.62	54,573,464	15.46
2,500,000	to	5,000,000	17	8.81	52,701,965	14.93
5,000,000 and above			5	2.59	185,501,415	52.54
<b>Total</b>			<b>193</b>	<b>100.00</b>	<b>353,064,913</b>	<b>100.00</b>

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

### Roadway Excavation: \$15.64 per cubic yard

The price increased \$4.12 from the average unit price of \$11.52 per cubic yard last quarter. Unit bid prices ranged from \$5.50 to \$650.00 per cubic yard.

### Aggregate Base: \$23.16 per ton

The price increased \$7.89 from the average unit price of \$15.27 per ton last quarter. Unit bid prices ranged from \$15.79 to \$282.11 per ton.

### Asphalt Concrete Pavement: \$74.48 per ton

The unit price increased \$8.27 from the average unit price of \$66.21 per ton last quarter. Unit prices ranged from \$74.48 to \$74.48 per ton. Only one (1) record of unit price for this item category is available this quarter.

### Portland Cement Concrete (Pavement): \$142.97 per cubic yard

The unit price decreased \$21.47 from the average unit price of \$164.44 per cubic yard last quarter. Unit prices ranged from \$142.97 to \$142.97 per cubic yard. Only one (1) record of unit price for this item category is available this quarter.

### Portland Cement Concrete (Structure): \$664.17 per cubic yard

The unit price increased \$207.74 from the average unit price of \$456.43 per cubic yard last quarter. Unit prices ranged from \$363.16 to \$4000.00 per cubic yard.

### Bar Reinforcing Steel: \$0.552 per pound

The unit price decreased \$0.342 from the average unit price of \$0.894 per pound last quarter. Unit prices ranged from \$0.45 to \$11.00 per pound.

### Structural Steel: \$5.584 per pound

The unit price decreased \$1.374 from the average unit price of \$6.958 per pound last quarter. Unit prices ranged from \$2.50 to \$13.75 per pound.

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

### Roadway Excavation: \$20.45 per cubic meter

The price increased \$5.38 from the average unit price of \$15.07 per cubic meter last quarter. Unit bid prices ranged from \$7.19 to \$850.17 per cubic meter.

### Aggregate Base: \$25.53 per tonn

The price increased \$8.70 from the average unit price of \$16.83 per tonn last quarter. Unit bid prices ranged from \$17.41 to \$310.97 per tonn.

### Asphalt Concrete Pavement: \$82.10 per tonn

The unit price increased \$9.12 from the average unit price of \$72.98 per tonn last quarter. Unit prices ranged from \$82.10 to \$82.10 per tonn. Only one (1) record of unit price for this item category is available this quarter.

### Portland Cement Concrete (Pavement): \$187.00 per cubic meter

The unit price decreased \$28.07 from the average unit price of \$215.07 per cubic meter last quarter. Unit prices ranged from \$187.00 to \$187.00 per cubic meter. Only one (1) record of unit price for this item category is available this quarter.

### Portland Cement Concrete (Structure): \$868.70 per cubic meter

The unit price increased \$271.71 from the average unit price of \$596.99 per cubic meter last quarter. Unit prices ranged \$475.00 to \$5231.80 per cubic meter.

### Bar Reinforcing Steel: \$1.216 per kilogram

The unit price decreased \$0.754 from the average unit price of \$1.97 per kilogram last quarter. Unit prices ranged from \$1.00 to \$24.25 per kilogram.

### Structural Steel: \$12.311 per kilogram

The unit price decreased \$3.029 from the average unit price of \$15.340 per kilogram last quarter. Unit prices ranged from \$5.51 to \$30.31 per kilogram.

EXHIBIT A

**Price Index for Selected  
California Construction Items  
1987 = 100**

<u>YEAR</u>		<u>QTRLY</u>	<u>LAST 12 Months</u>	<u>Annual</u>
1972	.....			30.0
1973	.....			31.2
1974	.....			45.6
1975	.....			46.7
1976	.....			47.7
1977	.....			53.7
1978	.....			62.1
1979	.....			80.1
1980	.....			82.1
1981	.....			90.6
1982	.....			81.3
1983	.....			81.9
1984	.....			93.3
1985	.....			92.7
1986	.....			95.0
1987	.....			100.0
1988	.....			104.4
1989	.....			111.3
1990	.....			113.5
1991	.....			108.2
1992	.....			106.8
1993	.....			113.1
1994	.....			119.0
1995	.....			115.0
1996	.....			119.2
1997	.....			124.8
1998	.....			128.6
1999	.....			139.2
2000	.....			146.2
2001	.....			154.1
2002	.....			142.2
2003	.....			148.6
2004	.....			216.2
2005	(1st Quarter) .....	230.2	214.7	
2005	(2nd Quarter) .....	266.8	230.0	
2005	(3rd Quarter) .....	289.3	240.7	
2005	(4th Quarter) .....	308.1		
	(Year) .....			268.3
2006	(1st Quarter) .....	252.8	243.0	
2006	(2nd Quarter) .....	386.6	265.4	
2006	(3rd Quarter) .....	380.3	276.1	
2006	(4th Quarter) .....	300.1		
	(Year) .....			280.6
2007	(1st Quarter) .....	363.9	335.3	
2007	(2nd Quarter) .....	401.4	341.2	
2007	(3rd Quarter) .....	262.2	309.9	
2007	(4th Quarter) .....	208.5		
	(Year) .....			261.1
2008	(1st Quarter) .....	243.6	249.3	
2008	(2nd Quarter) .....	250.8	235.7	
2008	(3rd Quarter) .....	318.4	241.1	
2008	(4th Quarter) .....	226.9		
	(Year) .....			252.7
2009	(1st Quarter) .....	276.5	258.2	

## EXHIBIT B

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

	<b>Roadway Excavation "1" Per Cu Yd</b>	<b>Aggregate Base Per Ton</b>	<b>Asphalt Concrete Pavement Per Ton</b>	<b>PCC Pavement Per Cu Yd</b>	<b>Class "A" PCC Structure Per Cu Yd</b>	<b>Bar Reinforcing Steel Per Lb</b>	<b>Structural Steel "2" Per Lb</b>
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
1st Quarter 2006	9.69	17.45	89.38	163.29	537.89	1.067	4.035
2nd Quarter 2006	26.07	23.21	88.78	324.86	751.93	0.962	3.031
3rd Quarter 2006	23.14	25.80	86.46	290.67	801.89	1.302	9.670
4th Quarter 2006	14.08	23.55	82.36	191.46	751.02	0.968	5.883
<b>Year 2006</b>	<b>12.80</b>	<b>20.26</b>	<b>86.04</b>	<b>179.67</b>	<b>630.16</b>	<b>1.039</b>	<b>3.734</b>
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

1. Unclassified.

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

## EXHIBIT B

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

	<b>Roadway Excavation "1" Per M3</b>	<b>Aggregate Base Per Tonn</b>	<b>Asphalt Concrete Pavement Per Tonn</b>	<b>PCC Pavement Per M3</b>	<b>Class "A" PCC Structure Per M3</b>	<b>Bar Reinforcing Steel Per Kg</b>	<b>Structural Steel "2" Per Kg</b>
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
1st Quarter 2006	12.68	19.23	98.53	213.57	703.53	2.353	8.896
2nd Quarter 2006	34.14	25.58	97.86	424.90	983.48	2.121	6.681
3rd Quarter 2006	30.27	28.44	95.31	380.18	1048.83	2.870	21.319
4th Quarter 2006	18.42	25.96	90.78	250.42	982.29	2.134	12.971
<b>Year 2006</b>	<b>16.75</b>	<b>22.34</b>	<b>94.84</b>	<b>235.00</b>	<b>824.21</b>	<b>2.291</b>	<b>8.231</b>
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

1. Unclassified.

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

Exhibit C

California Department of Transportation

Number and Dollar Value of Highway Projects  
Total Number of Bids and Average Number of Bidders  
(January 1, 2009 through March 31, 2009)

	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	7	23	33	27	26	15	2	133
Total Value*	\$0	\$589,166	\$3,719,580	\$12,216,979	\$21,516,656	\$42,795,701	\$47,509,005	\$13,166,664	\$141,513,751
Number of Bidders	0	102	220	334	171	186	100	11	1,124
Average No of Bidders	0	14.6	9.6	10.1	6.3	7.2	6.7	5.5	8.5
<b><u>Structure Projects</u></b>									
Number of Projects	1	3	9	12	22	8	2	1	58
Total Value*	\$35,625	\$253,185	\$1,513,325	\$4,314,192	\$16,129,363	\$11,777,763	\$5,192,960	\$7,934,404	\$47,150,816
Number of Bidders	8	21	63	90	172	61	9	6	430
Average No of Bidders	8.0	7.0	7.0	7.5	7.8	7.6	4.5	6.0	7.4
<b><u>Combination Projects</u></b>									
Number of Projects	0	0	0	0	0	0	0	2	2
Total Value*	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$164,400,347	\$164,400,347
Number of Bidders	0	0	0	0	0	0	0	15	15
Average No of Bidders	0	0	0	0	0	0	0	7.5	7.5
<b><u>Summary</u></b>									
Number of Projects	1	10	32	45	49	34	17	5	193
Total Value*	\$35,625	\$842,350	\$5,232,905	\$16,531,170	\$37,646,019	\$54,573,464	\$52,701,965	\$185,501,415	\$353,064,913
Number of Bidders	8	123	283	424	343	247	109	32	1,569
Average No of Bidders	8.0	12.3	8.8	9.4	7.0	7.3	6.4	6.4	8.1

\*Bid Items Only

Average Number of Bidders by Month

JAN	FEB	MAR
9.1	8.0	7.4