

CALIFORNIA
DEPARTMENT OF TRANSPORTATION

SUMMARY

PRICE INDEX FOR SELECTED HIGHWAY CONSTRUCTION ITEMS

1ST QUARTER ENDING MARCH 31, 2003

Index this quarter	188.2
Point change from last quarter	+34.5
Percentage changes from last quarter	+22.4%
Index last 12 months	143.2
Point change from previous report	+1.0
Percentage changes from previous report.....	+0.7%

Average number of bidders this quarter	6.2
Change in number of bidders from last quarter	-0.2

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

CALIFORNIA
DEPARTMENT OF TRANSPORTATION
HIGHWAY CONSTRUCTION COST INDEX
1ST QUARTER ENDING MARCH, 2003

Prepared by Division of Engineering Services - Office Engineer

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

The California Highway Construction Cost Index for the first quarter of 2003 stands at 188.2, up 34.5 points (22.4 percent) from the fourth quarter of 2002 index of 153.7. The Index for the year-to-date (April 1, 2002 through March 31, 2003) is 143.2, up 1.0 point (0.7 percent) from the fourth quarter 2002 year-to-date index of 142.2.

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

The average number of bidders per project in the first quarter of 2003 was 6.2, down 0.2 bidder per project as compared to 6.4 for the fourth quarter of 2002 and down 0.4 as compared to 6.6 for the corresponding quarter in 2002.

The project values which provided the input for the preparation of this quarter's index are distributed as follows:

RANGE			NUMBER OF PROJECTS	%	AMOUNTS OF PROJECTS	%
UP	TO	50,000	0	0	0	0
50,000	TO	100,000	4	5.80	\$312,947	0.12
100,000	TO	250,000	12	17.39	\$1,994,721	0.77
250,000	TO	500,000	9	13.04	\$3,872,513	1.49
500,000	TO	1,000,000	15	21.74	\$10,186,409	3.92
1,000,000	TO	2,500,000	10	14.49	\$17,041,982	6.57
2,500,000	TO	5,000,000	10	14.49	\$38,007,963	14.64
5,000,000	AND	ABOVE	9	13.05	\$188,186,841	72.49
TOTAL			69	100.00	\$259,603,375	100.00

There were nine contracts over \$5,000,000 opened during the first quarter. The Projects include:

1. Retrofit San Francisco Oakland Bay Bridge Viaduct and Construct Substation in the City and County of San Francisco on Route 80 at Yerba Buena Island. The low bid of \$5,593,889.80 was submitted by West Bay Builders, Incorporated.
2. Rehabilitate Bridge Structures in San Bernardino County on Route 40 at Various Locations. The low bid of \$5,892,796.00 was submitted by Yeager Skanska, Incorporated.
3. Rehabilitate Roadway in Lassen County near Hallelujah Junction on Route 395 from 6.4 kilometers South of Long Valley Creek Bridge No. 07-0023 to 0.2 kilometer North of Willow Ranch Creek Bridge. The low bid of \$9,047,623.00 was submitted by Teichert Construction.
4. Widen Roadway in Sutter County near Yuba City on Routes 99 from 0.1 kilometer North of O'Banion Road to Lincoln Road. The low bid of \$11,207,412.14 was submitted by Baldwin Contracting Company, Incorporated.
5. Seismic Retrofits in Humboldt County in and near Eureka on Rote 255 from 0.2 kilometer South of Eureka Channel Bridge to 0.2 kilometer North of Samoa Channel Bridge. The low bid of \$22,597,877.50 was submitted by American Civil Constructors West Coast, Incorporated.
6. Widen Fourth Street Off-Ramp in the City and County of San Francisco on Route 80 from 0.1 kilometer South of Harriet Street to Fourth Street. The low bid of \$22,925,584.00 was submitted by Balfour Beatty Construction, Incorporated.
7. Replace Maxwell Bridge in Napa County in Napa on Route 121 from 0.9 kilometer East of Imola Avenue Separation to 0.4 kilometer West of the State Route 221. The low bid of \$28,384,624.50 was submitted by C C Myers, Incorporated.
8. Widen for HOV Lanes and Rehabilitate Roadway in Contra Costa County in Walnut Creek, Concord, Pleasant Hill and Martinez on Route 680 from North Main Street Overcrossing to Marina Vista Boulevard Undercrossing. The low bid of \$31,954,607.00 was submitted by R G W Construction, Incorporated.
9. Construct HOV Direct Connector, Collector Road, Ramps and Retaining Walls in Los Angeles County in Diamond Bar and City of Industry on Routes 57 and 60 from 0.1 kilometer North of Pathfinder Road Overcrossing to Route 57/60 Interchange and 0.8 kilometer West of Brea Canyon Road to 0.6 kilometer East of Grand Avenue. The low bid of \$50,582,426.70 was submitted by C C Myers, Incorporated.

The Federal Highway Administration Price Trends for Federal-Aid Highway Construction are based on information received for Federal-Aid construction contracts over \$500,000. Effective the first quarter of 1990 the Federal Highway Administration converted their index to 1987=100 base. The composite index for selected construction items the fourth quarter of 2002 is 137.6, down 11.0 points from 148.6 third quarter of 2002.

The Engineering News-Record's Construction Cost Index average for the first quarter of 2003 is 615.9 up 4.0 points from 611.9 last quarter. Their price index uses a 1967=100 base.

The U. S. Bureau of Labor Statistics' Consumer Price Index average for the first quarter 2003 is 183.0, for U. S. City average of all Urban Consumers, up 1.8 points from 181.2 last quarter. Their Price Index uses a 1982-84=100 base.

The California Highway Construction Cost Indices and the Federal Highway Administration Composite Indices for selected construction items are based on 1987=100 and are shown on the accompanying graph (Exhibit D). The indices plotted are on a yearly average basis, which describes the trends more clearly by smoothing out the fluctuations between the individual quarters.

Construction item costs based on English units.

Roadway Excavation: \$12.45 per cubic yard

The price increased \$7.05 from the average unit price of \$5.40 per cubic yard last quarter. Unit bid prices ranged from \$3.06 to \$267.59 per cubic yard.

Aggregate Base: \$11.97 per ton

The price decreased \$0.83 from the average unit price of \$12.80 per ton last quarter. Unit bid prices ranged from \$8.05 to \$120.72 per ton.

Asphalt Concrete Pavement: \$49.97 per ton

The unit price decreased \$0.65 from the average unit price of \$50.62 per ton last quarter. Unit prices ranged from \$38.10 to \$199.58 per ton.

Portland Cement Concrete (Pavement): \$122.74 per cubic yard

The unit price decreased \$16.75 from the average unit price of \$139.49 per cubic yard last quarter. Unit prices ranged from \$96.33 to \$156.73 per cubic yard.

Portland Cement Concrete (Structure): \$340.54 per cubic yard

The unit price decreased \$29.37 from the average unit price of \$369.91 per cubic yard last quarter. Unit prices ranged \$198.78 to \$3,046.75 per cubic yard.

Bar Reinforcing Steel: \$0.50 per pound

The unit price decreased \$0.01 from the average unit price of \$0.51 per pound last quarter. Unit prices ranged from \$0.42 to \$1.81 per pound.

Structural Steel: \$3.19 per pound

The unit price decreased \$0.07 from the average unit price of \$3.26 per pound last quarter. Unit prices ranged from \$0.45 to \$7.26 per pound.

Construction item costs based on Metric units.

Roadway Excavation: \$16.29 per cubic meter

The price increased \$9.22 from the average unit price of \$7.07 per cubic meter last quarter. Unit bid prices ranged from \$4.00 to \$350.00 per cubic meter.

Aggregate Base: \$13.19 per tonn

The price decreased \$0.92 from the average unit price of \$14.11 per tonn last quarter. Unit bid prices ranged from \$8.87 to \$133.07 per tonn.

Asphalt Concrete Pavement: \$55.08 per tonn

The unit price decreased \$0.72 from the average unit price of \$55.80 per tonn last quarter. Unit prices ranged from \$42.00 to \$220.00 per tonn.

Portland Cement Concrete (Pavement): \$160.54 per cubic meter

The unit price decreased \$21.91 from the average unit price of \$182.45 per cubic meter last quarter. Unit prices ranged from \$126.00 to \$205.00 per cubic meter.

Portland Cement Concrete (Structure): \$445.40 per cubic meter

The unit price decreased \$38.42 from the average unit price of \$483.82 per cubic meter last quarter. Unit prices ranged \$260.00 to \$3,985.00 per cubic meter.

Bar Reinforcing Steel: \$1.11 per kilogram

The unit price decreased \$0.02 from the average unit price of \$1.13 per kilogram last quarter. Unit prices ranged from \$0.92 to \$4.00 per kilogram.

Structural Steel: \$7.03 per kilogram

The unit price decreased \$0.16 from the average unit price of \$7.19 per kilogram last quarter. Unit prices ranged from \$1.00 to \$16.00 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 (1st Quarter)	111.7	116.3	
1996 (2nd Quarter)	119.3	115.7	
1996 (3rd Quarter)	118.2	115.8	
1996 (4th Quarter)	150.9		
(Year)			119.2
1997 (1st Quarter)	157.0	124.7	
1997 (2nd Quarter)	108.2	119.6	
1997 (3rd Quarter)	144.8	125.4	
1997 (4th Quarter)	155.1		
(Year)			124.8
1998 (1st Quarter)	113.0	120.1	
1998 (2nd Quarter)	131.6	130.4	
1998 (3rd Quarter)	162.8	133.3	
1998 (4th Quarter)	126.5		
(Year)			128.6
1999 (1st Quarter)	129.4	133.5	
1999 (2nd Quarter)	140.3	136.4	
1999 (3rd Quarter)	174.5	136.6	
1999 (4th Quarter)	115.2		
(Year)			139.2
2000 (1st Quarter)	162.7	148.1	
2000 (2nd Quarter)	167.6	156.5	
2000 (3rd Quarter)	132.3	144.7	
2000 (4th Quarter)	152.0		
(Year)			146.2
2001 (1st Quarter)	140.1	137.0	
2001 (2nd Quarter)	141.6	134.8	
2001 (3rd Quarter)	167.5	141.6	
2001 (4th Quarter)	183.3		
(Year)			154.1
2002 (1st Quarter)	145.1	157.5	
2002 (2nd Quarter)	129.5	148.4	
2002 (3rd Quarter)	175.5	149.7	
2002 (4th Quarter)	153.7		
(Year)			142.2
2003 (1st Quarter)	188.2	143.2	

EXHIBIT B

ENGLISH UNITS
 CALIFORNIA DEPARTMENT OF TRANSPORTATION
 AVERAGE HIGHWAY
 CONTRACT PRICES

	<u>ROADWAY EXCAVATION " 1 "</u>	<u>AGGREGATE BASE</u>	<u>ASPHALT CONCRETE PAVEMENT</u>	<u>PCC PAVEMENT</u>	<u>CLASS "A" PCC STRUCTURE</u>	<u>BAR REINFORCING STEEL</u>	<u>STRUCTURAL STEEL " 2 "</u>
	<u>PER CU YD</u>	<u>PER TON</u>	<u>PER TON</u>	<u>PER CU YD</u>	<u>PER CU YD</u>	<u>PER LB</u>	<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
1st Quarter 1996	3.10	8.85	40.17	68.77	290.05	0.457	1.737
2nd Quarter 1996	4.33	9.55	37.15	53.69	310.56	0.536	2.560
3rd Quarter 1996	3.63	11.09	37.38	65.96	329.35	0.488	2.334
4th Quarter 1996	8.40	10.22	38.46	88.48	339.02	0.538	2.728
Year 1996	3.80	9.74	37.66	65.93	321.88	0.512	2.172
1st Quarter 1997	5.79	10.46	39.05	248.72	376.38	0.610	2.050
2nd Quarter 1997	3.80	9.82	34.23	76.68	267.68	0.444	3.418
3rd Quarter 1997	8.23	10.39	38.09	88.50	300.20	0.537	2.220
4th Quarter 1997	8.79	11.82	39.85	76.40	354.50	0.508	2.530
Year 1997	5.25	10.29	36.07	78.48	308.54	0.496	2.337
1st Quarter 1998	4.24	9.37	35.41	66.99	283.64	0.455	1.784
2nd Quarter 1998	4.71	12.13	37.63	89.68	336.27	0.635	2.963
3rd Quarter 1998	8.39	12.41	45.23	101.57	361.63	0.575	2.748
4th Quarter 1998	3.95	12.19	42.82	83.00	318.20	0.519	2.205
Year 1998	4.95	11.55	38.78	75.91	319.95	0.553	2.595
1st Quarter 1999	6.18	11.94	40.06	57.07	276.07	0.523	3.893
2nd Quarter 1999	6.35	12.74	40.62	94.56	331.12	0.485	3.161
3rd Quarter 1999	8.79	13.93	39.80	78.28	479.02	0.643	2.687
4th Quarter 1999	3.24	12.22	39.83	95.85	264.92	0.556	4.624
Year 1999	6.55	12.86	40.14	77.95	321.22	0.521	3.215
1st Quarter 2000	6.32	13.62	43.83	116.91	465.68	0.512	3.370
2nd Quarter 2000	7.55	11.35	45.35	68.11	458.34	0.608	4.477
3rd Quarter 2000	4.52	11.47	44.43	82.34	325.42	0.530	3.106
4th Quarter 2000	8.34	10.20	46.91	73.21	306.83	0.487	2.509
Year 2000	6.21	11.14	45.12	78.14	363.59	0.507	2.754
1st Quarter 2001	3.84	11.25	41.01	69.94	422.47	0.673	5.139
2nd Quarter 2001	5.94	17.61	46.32	103.69	273.57	0.609	3.098
3rd Quarter 2001	8.70	14.39	50.25	60.60	360.93	0.620	4.339
4th Quarter 2001	9.66	13.60	40.00	94.05	504.96	0.599	3.725
Year 2001	5.83	14.58	43.89	75.74	425.17	0.612	3.906
1st Quarter 2002	5.45	11.42	46.47	67.38	388.68	0.497	2.401
2nd Quarter 2002	3.18	13.17	48.50	67.60	346.91	0.498	3.050
3rd Quarter 2002	10.77	12.12	49.56	111.78	317.79	0.545	4.783
4th Quarter 2002	5.40	12.80	50.62	139.49	369.91	0.511	3.262
Year 2002	4.84	12.42	49.00	74.15	363.50	0.508	3.248
1st Quarter 2003	12.45	11.97	49.97	122.74	340.54	0.504	3.188

- 1. UNCLASSIFIED
- 3. INCLUDES MISCELLANEOUS METAL

EXHIBIT B

METRIC UNITS
CALIFORNIA DEPARTMENT OF TRANSPORTATION
AVERAGE HIGHWAY
CONTRACT PRICES

	<u>ROADWAY EXCAVATION " 1 "</u> <u>PER M3</u>	<u>AGGREGATE BASE</u> <u>PER TONN</u>	<u>ASPHALT CONCRETE PAVEMENT</u> <u>PER TONN</u>	<u>PCC PAVEMENT</u> <u>PER M3</u>	<u>CLASS "A" PCC STRUCTURE</u> <u>PER M3</u>	<u>BAR REINFORCING STEEL</u> <u>PER KG</u>	<u>STRUCTURAL STEEL " 2 "</u> <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
1st Quarter 1996	4.05	9.76	44.28	89.95	379.37	1.008	3.829
2nd Quarter 1996	5.66	10.53	40.95	70.22	406.20	1.182	5.644
3rd Quarter 1996	4.75	12.22	41.20	86.27	430.77	1.076	5.146
4th Quarter 1996	10.99	11.27	42.39	115.73	443.42	1.186	6.014
Year 1996	5.09	10.74	41.51	86.23	421.00	1.129	4.788
1st Quarter 1997	7.57	11.53	43.05	325.31	492.29	1.345	4.519
2nd Quarter 1997	4.97	10.82	37.73	100.29	350.11	0.979	7.535
3rd Quarter 1997	10.76	11.45	41.99	115.75	392.65	1.184	4.894
4th Quarter 1997	11.50	13.03	43.93	99.93	463.67	1.120	5.578
Year 1997	6.87	11.35	39.76	102.65	403.56	1.094	5.152
1st Quarter 1998	5.55	10.33	39.03	87.62	370.99	1.003	3.933
2nd Quarter 1998	6.16	13.37	41.48	117.30	439.82	1.400	6.532
3rd Quarter 1998	10.97	13.68	49.86	132.85	472.99	1.268	6.058
4th Quarter 1998	5.17	13.44	47.20	108.56	416.20	1.144	4.862
Year 1998	6.47	12.73	42.75	99.29	418.48	1.219	5.721
1st Quarter 1999	8.08	13.16	44.16	74.64	361.09	1.153	8.583
2nd Quarter 1999	8.30	14.04	44.78	123.68	433.08	1.069	6.969
3rd Quarter 1999	11.50	15.36	43.88	102.39	626.53	1.418	5.924
4th Quarter 1999	4.23	13.47	43.91	125.37	346.51	1.225	10.194
Year 1999	8.57	14.17	44.24	101.95	420.15	1.148	7.088
1st Quarter 2000	8.27	15.02	48.31	152.91	609.09	1.128	7.431
2nd Quarter 2000	9.87	12.51	49.99	89.09	599.48	1.341	9.871
3rd Quarter 2000	5.92	12.64	48.97	107.70	425.63	1.169	6.848
4th Quarter 2000	10.91	11.25	51.71	95.75	401.31	1.073	5.532
Year 2000	8.12	12.28	49.73	102.21	475.55	1.118	6.071
1st Quarter 2001	5.02	14.61	45.20	91.48	552.57	1.483	11.329
2nd Quarter 2001	7.77	19.41	51.06	135.62	357.82	1.342	6.831
3rd Quarter 2001	11.38	15.86	55.39	79.27	472.08	1.367	9.565
4th Quarter 2001	12.64	15.00	44.10	123.01	660.46	1.321	8.213
Year 2001	7.63	16.07	48.39	99.06	556.10	1.349	8.612
1st Quarter 2002	7.13	12.59	51.22	88.13	508.37	1.095	5.292
2nd Quarter 2002	4.15	14.52	53.46	88.42	453.74	1.099	6.724
3rd Quarter 2002	14.09	13.36	54.63	146.20	415.65	1.201	10.544
4th Quarter 2002	7.07	14.11	55.80	182.45	483.82	1.126	7.191
Year 2002	6.32	13.70	54.01	96.99	475.44	1.120	7.160
1st Quarter 2003	16.29	13.19	55.08	160.54	445.40	1.111	7.028

1. UNCLASSIFIED
2. INCLUDES MISCELLANEOUS METAL