

STATE OF COLORADO



DEPARTMENT OF TRANSPORTATION
Contracts and Market Analysis Branch
4201 East Arkansas Avenue, 4th Floor
Denver, Colorado 80222
(303) 757-9736

February 9, 2007

COLORADO CONSTRUCTION COST INDEX REPORT
Calendar year 2006
Fourth Quarter

Prepared by
Gus Bieber
Engineering Estimates and Market Analysis Unit of
Contracts and Market Analysis Branch

Prepared for
Pamela Hutton, Chief Engineer

STATE OF COLORADO



DEPARTMENT OF TRANSPORTATION
Contracts and Market Analysis Branch
4201 East Arkansas Avenue, 4th Floor
Denver, Colorado 80222
(303) 757-9736

SUMMARY

CONSTRUCTION COST INDEX FOR SELECTED HIGHWAY CONSTRUCTION ITEMS

4th QUARTER ENDING December 31, 2006

Index for 2006 (entire year)	255.5
Index for 2005 (entire year)	255.2
Point change	0.3
Percent change	0.1%

Index for this quarter.....	283.4
Index for last quarter.....	279.4
Point change from last quarter.....	4.0
Percentage change from last quarter.....	1.4%
Index for same quarter of last year.....	269.7
Point change from same quarter last year.....	13.7
Percentage change from this quarter last year.....	5.1 %

Average number of bidders this quarter.....	5.21
Change in number of bidders from last quarter.....	33.6%

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

Summary Report for all the projects awarded betwee 10/1/2006 And 12/31/2006

<i>Project Amount</i>	<i>No. of Projects</i>	<i>No. of Bidders</i>	<i>Total Contract Amt.</i>	<i>Avg. # of Bids</i>
<i>\$0.00 to \$49,999.99</i>	0			
<i>\$50,000.00 to \$99,999.99</i>	0			
<i>\$100,000.00 to \$249,999.99</i>	7	43	\$1,066,547.00	6.1
<i>\$250,000.00 to \$499,999.99</i>	8	36	\$2,931,262.60	4.5
<i>\$500,000.00 to \$999,999.99</i>	2	4	\$1,275,035.00	2.0
<i>1,000,000.00 to \$2,499,999.99</i>	6	35	\$8,158,921.58	5.8
<i>2,500,000.00 to \$4,999,999.99</i>	4	23	\$13,002,885.19	5.8
<i>5,000,000.00 to \$9,999,999.99</i>	0			
<i>10,000,000.00 to \$19,999,999.99</i>	1	5	\$18,936,708.95	5.0
<i>20,000,000.00 to \$49,499,999.99</i>	1	5	\$25,711,000.00	5.0
<i>50,000,000.00 or Greater</i>	0			

Total	29	151	\$71,082,360.32
--------------	-----------	------------	------------------------

The number of bidders on all projects awards during this period averaged **5.21** bidders per contract.
 Average cost per project is **\$1,841,825.21** (avg. cci 1994=118.8 / avg. cci 1998 =158.1) in 1994 dollars.

CCI ITEMS USED FROM 10/1/2006 TO 12/31/2006

ITEM CODE	# OF ITEM	QUANTITY	PRICE	UNIT PRICE	INDEX
203-00000 To 203-00060 203-00062 To 203-00210 203-00400 To 203-00500	11	English (CY) 775,889.00	\$4,813,264.60	\$6.20	
203-01020 To 203-01030 209-00000 To 209-00050	0	Metric (CM) 0.00	\$0.00	\$0.00	
UNCLASSIFIED EXCAV (CIP)	11	775,889.00^{CY}	\$4,813,264.60	\$6.20	251.1
403-00720, 403-01000, 403-01010, 403-02000, 403-09121 To 403-09500 403-31300 To 403 36447 403-91401 To 403-95353 411-03100 To 411-03355 411-10010 To 411-90010 (Gal/Lit) Gallon & Liter are converted to Ton	50	English (TON) 213,903.50	\$14,417,216.55	\$67.40	
	0	Metric (MT) 0.00	\$0.00	\$0.00	
HOT MIX ASPHALT (H A)	50	213,903.50 T	\$14,417,216.55	\$67.40	291.4
412-00000 To 412-00050 412-00700 To 412-01352 412-03000 To 412-03000	9	English (SY) 76,551.79	\$3,447,278.00	\$45.03	
	0	Metric (SM) 0.00	\$0.00	\$0.00	
CONCRETE PAVEMENT (9")	9	76,551.79^{SY}	\$3,447,278.00	\$45.03	337.1
SURFACING TOTAL INDEX					295.6
509-00000 To 509-00000	2	English (LB) 10,405.00	\$59,262.50	\$5.70	
	0	Metric (KG) 0.00	\$0.00	\$0.00	
STRUCTURAL STEEL	2	10,405.00^{LB}	\$59,262.50	\$5.70	667.6
601-01022 To 601-01022 601-01030 To 601-01060 601-03030 To 601-05064	12	English (CY) 9,252.00	\$3,580,874.00	\$387.04	
	0	Metric (CM) 0.00	\$0.00	\$0.00	
STRUCTURAL CONCRETE	12	9,252.00^{CY}	\$3,580,874.00	\$387.04	178.1
602-00000 To 602-00000 602-00020 To 602-00020	10	English (LB) 1,844,383.00	\$1,451,221.19	\$0.79	
	0	Metric (KG) 0.00	\$0.00	\$0.00	
REINFORCING STEEL	10	1,844,383.00^{LB}	\$1,451,221.19	\$0.79	191.9
STRUCTURAL TOTAL INDEX					280.3
COMPOSITE INDEX =					283.4

Sum of the 6 categories cost = \$27,769,116.84

HBP Unit Price per CY = \$133.45

Concrete Pavement Unit Price per CY = \$180.13

Summary Report for all the projects awarded betwee 1/1/2006 And 12/31/2006

<i>Project Amount</i>	<i>No. of Projects</i>	<i>No. of Bidders</i>	<i>Total Contract Amt.</i>	<i>Avg. # of Bids</i>
<i>\$0.00 to \$49,999.99</i>	0			
<i>\$50,000.00 to \$99,999.99</i>	5	21	\$393,780.26	4.2
<i>\$100,000.00 to \$249,999.99</i>	28	125	\$4,763,210.55	4.5
<i>\$250,000.00 to \$499,999.99</i>	28	123	\$10,471,983.00	4.4
<i>\$500,000.00 to \$999,999.99</i>	30	103	\$21,921,716.89	3.4
<i>1,000,000.00 to \$2,499,999.99</i>	41	161	\$61,349,634.46	3.9
<i>2,500,000.00 to \$4,999,999.99</i>	22	93	\$78,156,476.03	4.2
<i>5,000,000.00 to \$9,999,999.99</i>	11	50	\$74,780,919.69	4.5
<i>10,000,000.00 to \$19,999,999.99</i>	7	28	\$111,155,722.03	4.0
<i>20,000,000.00 to \$49,499,999.99</i>	3	13	\$98,568,727.98	4.3
<i>50,000,000.00 or Greater</i>	0			

Total	175	717	\$461,562,170.89
--------------	------------	------------	-------------------------

The number of bidders on all projects awards during this period averaged **4.10** bidders per contract.
 Average cost per project is **\$1,981,877.14** (avg. cci 1994=118.8 / avg. cci 1998 =158.1) in 1994 dollars.

CCI ITEMS USED FROM 1/1/2006 TO 12/31/2006

ITEM CODE	# OF ITEM	QUANTITY	PRICE	UNIT PRICE	INDEX
203-00000 To 203-00060 203-00062 To 203-00210 203-00400 To 203-00500	101	English (CY) 3,343,117.49	\$25,204,274.45	\$7.54	
203-01020 To 203-01030 209-00000 To 209-00050	0	Metric (CM) 0.00	\$0.00	\$0.00	
UNCLASSIFIED EXCAV (CIP)	101	3,343,117.49^{CY}	\$25,204,274.45	\$7.54	305.1
403-00720, 403-01000, 403-01010, 403-02000, 403-09121 To 403-09500 403-31300 To 403 36447 403-91401 To 403-95353 411-03100 To 411-03355 411-10010 To 411-90010 (Gal/Lit) Gallon & Liter are converted to Ton	346	English (TON) 1,759,894.02	\$104,899,701.03	\$59.61	
	0	Metric (MT) 0.00	\$0.00	\$0.00	
HOT MIX ASPHALT (H A)	346	1,759,894.02 T	\$104,899,701.03	\$59.61	258.4
412-00000 To 412-00050 412-00700 To 412-01352 412-03000 To 412-03000	38	English (SY) 1,188,409.95	\$40,161,039.62	\$33.79	
	0	Metric (SM) 0.00	\$0.00	\$0.00	
CONCRETE PAVEMENT (9")	38	1,188,409.95^{SY}	\$40,161,039.62	\$33.79	253.0
SURFACING TOTAL INDEX					256.8
509-00000 To 509-00000	4	English (LB) 56,848.00	\$148,847.98	\$2.62	
	0	Metric (KG) 0.00	\$0.00	\$0.00	
STRUCTURAL STEEL	4	56,848.00^{LB}	\$148,847.98	\$2.62	306.9
601-01022 To 601-01022 601-01030 To 601-01060 601-03030 To 601-05064	67	English (CY) 28,696.20	\$12,347,084.97	\$430.27	
	0	Metric (CM) 0.00	\$0.00	\$0.00	
STRUCTURAL CONCRETE	67	28,696.20^{CY}	\$12,347,084.97	\$430.27	198.0
602-00000 To 602-00000 602-00020 To 602-00020	71	English (LB) 5,369,308.00	\$4,919,615.56	\$0.92	
	0	Metric (KG) 0.00	\$0.00	\$0.00	
REINFORCING STEEL	71	5,369,308.00^{LB}	\$4,919,615.56	\$0.92	223.5

STRUCTURAL TOTAL INDEX 225.1

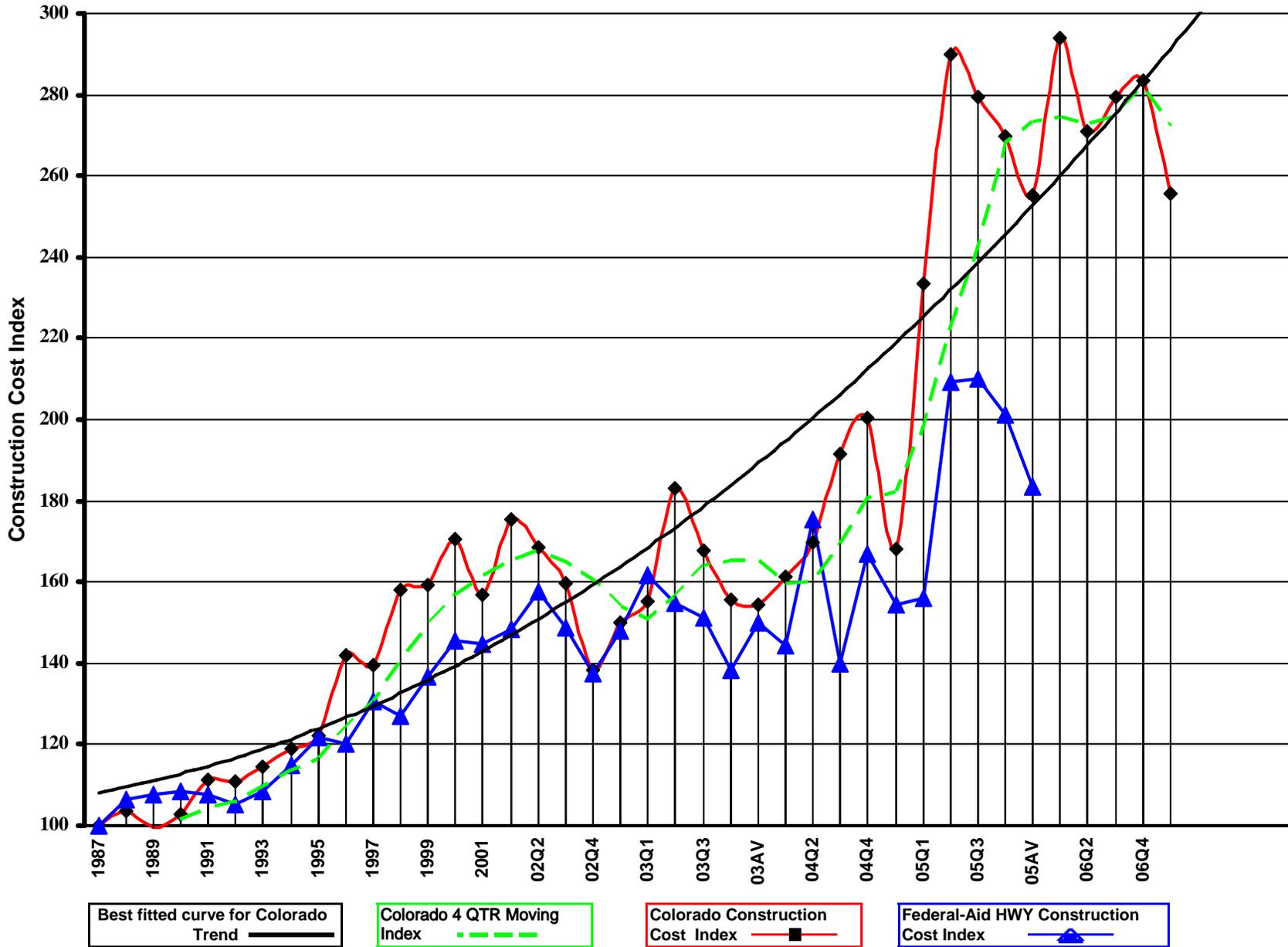
COMPOSITE INDEX = 255.5

Sum of the 6 categories cost = \$187,680,563.61

HBP Unit Price per CY = \$118.02

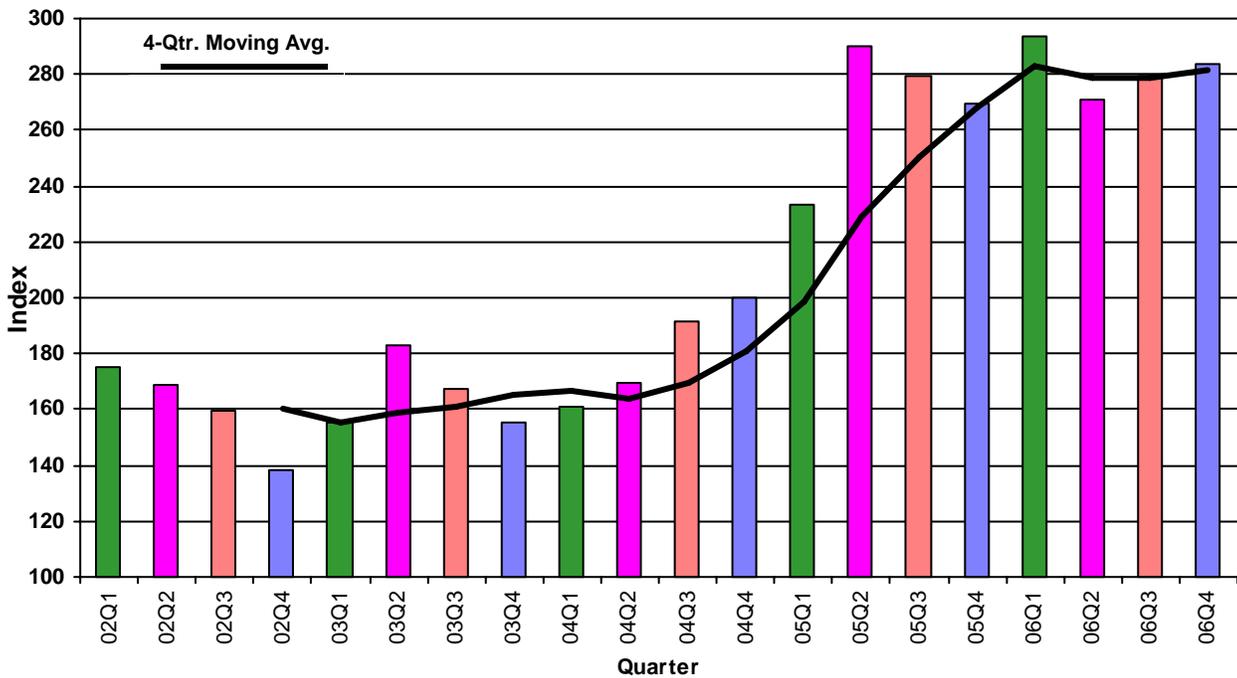
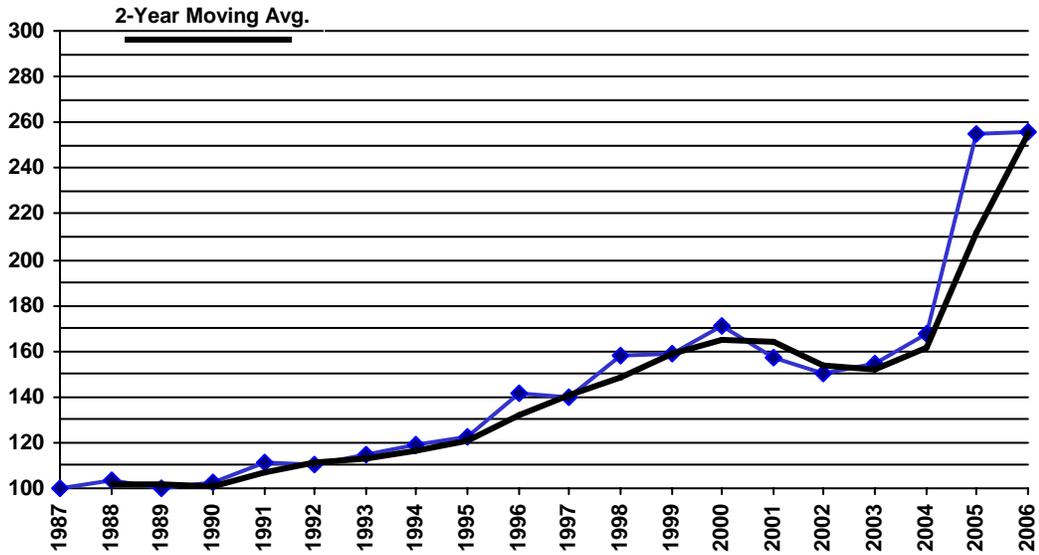
Concrete Pavement Unit Price per CY = \$135.18

Colorado Highway Construction Cost Index Graph and Tabulations (1987 Base Year)



YEAR	QTR.	Earthwork		Asph. Pavement		Concrete Pavement		Surfacing	Structural Concrete		Reinforcing Steel		Structural Steel		Structural	Composite
		Bid Price	Index	Bid Price	Index	Bid Price	Index	Index	Bid Price	Index	Bid Price	Index	Bid Price	Index	Index	Index
1987	1987	\$2.47	100.0	\$23.17	100.0	\$13.36	100.0	100.0	\$217.32	100.0	\$0.41	100.0	\$0.85	100.0	100.0	100.0
1988	1988	\$2.92	118.1	\$23.88	103.0	\$13.84	103.6	103.1	\$195.02	89.7	\$0.45	110.7	\$0.89	104.1	96.7	103.7
1989	1989	\$2.57	103.9	\$23.67	102.2	\$11.65	87.2	100.6	\$199.41	91.8	\$0.40	97.8	\$0.88	103.5	95.3	99.6
1990	1990	\$2.78	112.5	\$23.98	103.5	\$15.09	113.0	104.5	\$190.86	87.8	\$0.37	90.8	\$0.99	116.0	94.1	102.7
1991	1991	\$3.31	133.8	\$26.25	113.3	\$16.03	120.0	114.0	\$195.43	89.9	\$0.38	93.1	\$0.89	104.4	93.5	111.2
1992	1992	\$2.77	112.3	\$26.20	113.1	\$23.82	178.3	119.8	\$216.87	99.8	\$0.36	87.9	\$0.71	82.8	94.0	110.7
1993	1993	\$3.25	131.4	\$27.74	119.7	\$16.75	125.4	121.3	\$212.43	97.7	\$0.37	90.1	\$0.79	93.0	95.3	114.7
1994	1994	\$3.56	144.2	\$28.40	122.6	\$18.78	140.6	124.4	\$219.94	101.2	\$0.37	89.7	\$0.67	78.8	94.4	118.8
1995	1995	\$3.41	138.1	\$30.25	130.5	\$17.82	133.4	130.8	\$211.29	97.2	\$0.39	94.0	\$0.90	105.5	98.3	122.3
1996	1996	\$4.46	180.5	\$32.73	141.3	\$19.22	143.9	141.5	\$265.98	122.4	\$0.43	105.1	\$1.09	128.5	120.2	141.7
1997	1997	\$4.24	171.7	\$32.92	142.1	\$21.39	160.1	143.9	\$246.29	113.3	\$0.45	110.8	\$1.01	117.9	113.8	139.6
1998	1998	\$4.89	198.0	\$35.72	154.2	\$26.54	198.7	158.7	\$283.01	130.2	\$0.50	122.0	(\$1.00)	-1.0	128.2	158.1
1999	1999	\$4.94	199.8	\$35.23	152.0	\$22.78	170.5	153.9	\$310.56	142.9	\$0.54	132.0	\$1.41	165.3	145.3	159.2
2000	2000	\$5.25	212.6	\$40.02	173.0	\$20.56	153.9	170.8	\$346.82	159.6	\$0.47	115.2	\$1.18	138.8	146.8	170.7
2001	2001	\$4.19	169.5	\$38.67	167.4	\$17.45	130.6	163.2	\$303.22	139.5	\$0.50	120.9	\$1.29	151.5	138.4	156.8
2002	02Q1	\$6.25	252.9	\$37.53	163.1	\$31.12	233.0	169.3	\$293.38	135.0	\$0.53	129.6	\$0.00	0.0	133.7	175.4
2002	02Q2	\$5.69	230.3	\$39.67	171.5	\$28.33	212.1	175.4	\$294.41	135.5	\$0.50	121.3	\$0.70	82.4	121.9	168.6
2002	02Q3	\$4.42	178.8	\$34.98	151.4	\$25.51	190.9	155.1	\$299.12	137.7	\$0.49	120.5	\$2.11	247.3	156.6	159.6
2002	02Q4	\$2.31	93.3	\$38.71	167.5	\$21.26	159.2	166.2	\$257.37	118.4	\$0.49	120.7	\$0.81	95.0	114.1	138.1
2002	02AV	\$3.74	151.2	\$37.99	164.7	\$24.81	185.7	166.2	\$285.35	131.3	\$0.50	121.3	\$0.78	91.9	121.4	150.1
2003	03Q1	\$4.23	171.2	\$36.48	158.2	\$24.92	186.6	160.4	\$283.25	130.4	\$0.57	137.9	\$0.00	0.0	132.2	155.2
2003	03Q2	\$10.00	404.8	\$40.35	174.9	\$43.68	327.0	189.9	\$327.84	150.9	\$0.62	151.9	\$0.31	36.3	127.8	183.2
2003	03Q3	\$4.64	187.9	\$41.05	177.5	\$18.89	141.4	173.5	\$336.84	155.0	\$0.58	140.5	\$1.05	123.1	145.7	167.6
2003	03Q4	\$3.85	155.7	\$40.10	173.5	\$19.51	146.1	170.3	\$267.39	123.1	\$0.51	125.0	\$0.00	0.0	123.5	155.7
2003	03AV	\$4.42	178.9	\$38.23	165.7	\$20.91	156.6	164.1	\$289.44	133.2	\$0.55	133.4	\$0.72	84.7	123.4	154.4
2004	04Q1	\$3.94	159.7	\$36.03	156.1	\$31.13	233.0	163.5	\$297.69	137.0	\$0.71	172.4	\$1.78	208.9	158.4	161.3
2004	04Q2	\$5.84	236.6	\$35.97	155.9	\$28.42	212.8	161.2	\$297.92	137.1	\$0.78	190.1	\$1.13	132.9	146.5	169.6
2004	04Q3	\$4.38	177.1	\$43.33	188.0	\$27.59	206.5	189.0	\$350.71	161.4	\$0.91	221.3	\$2.70	316.3	204.4	191.6
2004	04Q4	\$7.39	298.9	\$41.45	179.2	\$40.01	299.5	191.3	\$305.55	140.6	\$0.74	179.9	\$0.00	0.0	150.1	200.3
2004	04AV	\$4.60	186.1	\$37.43	162.1	\$28.96	216.8	167.2	\$323.50	148.9	\$0.83	202.7	\$1.26	147.6	159.0	168.0
2005	05Q1	\$9.43	381.7	\$41.99	182.3	\$60.10	449.9	208.8	\$443.32	204.0	\$0.91	222.2	\$1.10	128.9	192.2	233.3
2005	05Q2	\$16.07	650.5	\$44.19	192.4	\$28.54	213.6	193.1	\$540.39	248.7	\$0.98	240.0	\$0.00	0.0	246.6	289.8
2005	05Q3	\$9.74	394.2	\$57.71	249.5	\$34.29	256.7	249.9	\$491.90	226.4	\$0.97	237.3	\$3.50	410.2	265.9	279.3
2005	05Q4	\$12.52	506.9	\$52.73	228.4	\$56.18	420.5	247.4	\$407.63	187.6	\$0.81	198.2	\$0.97	113.7	174.6	269.7
2005	05AV	\$12.90	522.0	\$44.17	191.8	\$30.69	229.8	194.7	\$508.77	234.1	\$0.96	232.9	\$1.01	118.4	210.4	255.2
2006	06Q1	\$11.48	464.6	\$54.99	238.8	\$47.80	357.8	249.7	\$566.84	260.9	\$1.22	296.5	\$0.00	0.0	269.5	293.8
2006	06Q2	\$10.68	432.4	\$58.85	255.1	\$28.40	212.6	249.7	\$426.20	196.1	\$1.11	271.4	\$1.93	226.1	216.8	270.9
2006	06Q3	\$7.03	284.7	\$74.90	323.5	\$26.79	200.6	310.6	\$439.17	202.1	\$0.91	222.3	\$0.00	0.0	207.0	279.4
2006	06Q4	\$6.20	251.1	\$67.40	291.4	\$45.03	337.1	295.6	\$387.04	178.1	\$0.79	191.9	\$5.70	667.6	280.3	283.4
2006	06AV	\$7.54	305.1	\$59.61	258.4	\$33.79	253.0	256.8	\$430.27	198.0	\$0.92	223.5	\$2.62	306.9	225.1	255.5
View Annual/Qtr						View Tabular Report										

Colorado Construction Cost Index



Comments:

This Colorado Construction Cost Index is composed of six indicator items and based on bid prices relative to the unit prices of 1987 (unit index=100). The Index varies due to type and location of projects in addition overall economic conditions.

Earthwork (Excavation and Embankment):

The average price was \$6.20 a cu. yd. which is down \$0.83 from the previous quarter. One big project in Region 2, a decrease in fuel cost, and an increase in competition contributed to this decline.

Hot Mix Asphalt:

The average price was \$67.40 a ton which is down \$7.50 from the previous quarter. In the fourth quarter oil prices decreased approximately 30% which in turn translated into lower fuel and asphalt cement prices.

Concrete Pavement:

The average price was \$45.03 a sq. yd. which is up \$18.24 from the previous quarter. No major concrete pavement jobs, with large quantities, were awarded in the fourth quarter.

Structural Steel:

The average price was \$5.70 a lb. which is up \$3.77 from two quarters ago. There was insignificant amount of structural steel bid this quarter that was spread among several projects.

Structural Concrete:

The average price was \$387.04 a cu. yd. which is down \$52.13 from the previous quarter. Several projects with relatively large quantities, a decrease in fuel prices, and an increase in competition contributed to the decline.

Reinforcing Steel:

The average price was \$0.79 a lb which is down \$0.12 from the previous quarter. Several projects with large quantities and continued abundant supply contributed to the price decline.

ADDITIONAL INFORMATION:

For the 4th quarter, the category indices showing an increase were Concrete Pavement, Structural Steel, and Structural Concrete. The category indices showing a decrease were Earthwork, Hot Mix Asphalt, and Reinforcing Steel.

29 projects were bid and awarded this quarter for a total of \$71,082,360.32. By comparison, 39 projects were bid last quarter. The six categories for CCI items totaled \$27,769,116.84 which is 39.1% of total awarded amount. 11 maintenance contract projects were bid this quarter. No metric, Design/Build, or Lump Sum projects were bid this quarter.

The competition for projects increased to 5.21 bidders from 3.90 bidders for each project on average.