

STATE OF COLORADO



DEPARTMENT OF TRANSPORTATION

4201 East Arkansas Avenue
Denver, Colorado 80222
(303) 757-9293

October 30, 2000

COLORADO CONSTRUCTION COST INDEX REPORT
Calendar year 2000
Third Quarter

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STATE OF COLORADO



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SUMMARY

CONSTRUCTION COST INDEX FOR SELECTED HIGHWAY CONSTRUCTION ITEMS

3rd QUARTER ENDING SEPTEMBER 30, 2000

Index for this quarter.....	185.8
Index for last quarter.....	165.5
Point change from last quarter.....	+ 20.3
Percentage change from last quarter.....	+ 12.3%
Index for same quarter of last year.....	147.7
Point change from same quarter last year.....	+ 38.1
Percentage change from this quarter last year.....	+ 25.8%

Average number of bidders this quarter.....	5.0
Change in number of bidders from last quarter.....	+6.4%

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

CCI REPORT FROM 07/01/2000 TO 09/30/2000

ITEM CODE	# OF ITEM	QUANTITY	PRICE	UNIT PRICE	INDEX
203-00000 To 203-00060 203-00062 To 203-00210 203-00400 To 203-00500 203-01020 To 203-01030 209-00000 To 209-00050	24	English (CY) 1882570.00	\$13,633,749.78	\$7.24	
	13	Metric (CM) 794523.00	\$5,115,394.96	\$6.44	
UNCLASSIFIED EXCAV (CIP)	37	2921806.08^{CY}	\$18,749,144.74	\$6.42	259.7
403-01000 403-01010 403-31300 To 403 35452 403-91401 To 403-95353 411-03200 To 411-03354 Only \$ added for 411 Item	19	English (TON) 293190.00	\$12,619,735.54	\$43.04	
	12	Metric (MT) 82271.70	\$4,104,691.38	\$49.89	
HOT BIT. PAVEMENT (H -A)	31	383894.55^T	\$16,724,426.92	\$43.57	188.0
412-00000 To 412-00050 412-00700 To 412-01352 412-03000 To 412-03000	3	English (SY) 320316.02	\$7,339,102.68	\$22.91	
	15	Metric (SM) 303640.04	\$8,165,901.97	\$26.89	
CONCRETE PAVEMENT (9")	18	683466.48^{SY}	\$15,505,004.65	\$22.69	169.8
SURFACING TOTAL INDEX					186.2
509-00000 To 509-00000	4	English (LB) 1064134.00	\$1,089,198.56	\$1.02	
	1	Metric (KG) 136095.00	\$213,669.15	\$1.57	
STRUCTURAL STEEL	5	1364223.48^{LB}	\$1,302,867.71	\$0.96	111.9
601-01022 To 601-01022 601-01030 To 601-01060 601-03030 To 601-05064	17	English (CY) 27502.10	\$13,319,834.90	\$484.32	
	17	Metric (CM) 30846.30	\$10,796,532.48	\$350.01	
STRUCTURAL CONCRETE	34	67849.06^{CY}	\$24,116,367.38	\$355.44	163.6
602-00000 To 602-00000 602-00020 To 602-00020	13	English (LB) 5416755.00	\$2,763,875.62	\$0.51	
	13	Metric (KG) 4160479.00	\$4,057,564.54	\$0.98	
REINFORCING STEEL	26	14590611.20^{LB}	\$6,821,440.16	\$0.47	114.0

STRUCTURAL TOTAL INDEX 143.5

COMPOSITE INDEX = 185.8

Total cost on 6 categories above = \$83,219,251.56

Summary Report for all the projects awarded between 07/01/2000 And 09/30/2000

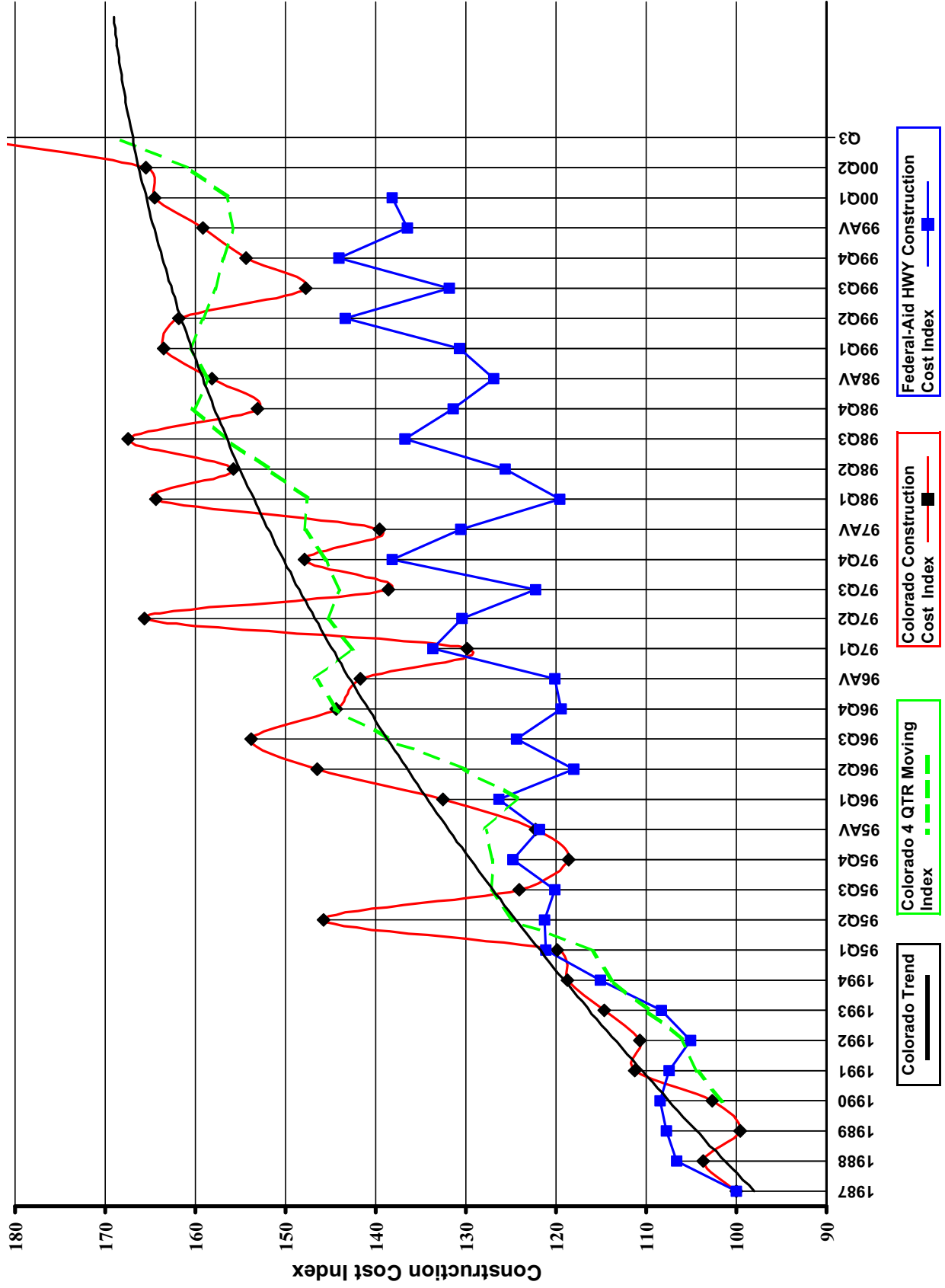
<i>Project Amount</i>	<i>No. of Projects</i>	<i>No. of Bidders</i>	<i>Total Contract</i>	<i>Avg. # of Bids</i>
<i>\$0.00 to \$49,999.99</i>	0			
<i>\$50,000.00 to \$99,999.99</i>	0			
<i>\$100,000.00 to \$249,999.99</i>	3	11	\$539,769.32	3.7
<i>\$250,000.00 to \$499,999.99</i>	4	12	\$1,398,198.14	3.0
<i>\$500,000.00 to \$999,999.99</i>	5	15	\$4,054,184.22	3.0
<i>\$1,000,000.00 to \$2,499,999.00</i>	5	22	\$8,017,968.70	4.4
<i>\$2,500,000.00 to \$4,999,999.00</i>	7	45	\$26,302,395.09	6.4
<i>\$5,000,000.00 to \$9,999,999.00</i>	2	13	\$15,744,019.84	6.5
<i>\$10,000,000.00 to \$19,999,999.00</i>	3	27	\$42,159,964.11	9.0
<i>\$20,000,000.00 to \$49,999,999.00</i>	2	11	\$53,050,930.39	5.5
<i>\$50,000,000.00 or Greater</i>	1	3	\$93,398,000.00	3.0
Total	32	159	\$244,665,429.81	

The number of bidders on all projects awards during this period **4.97 bidders per contract.**

Index Items as a percent of the total construction cost :

$$\begin{array}{rcl}
 \text{3rd Quarter 2000 CCI items} & & \$83,219,251.56 \\
 \hline
 \text{3rd Quarter 2000 all Construction items} & = & \hline
 & & \$244,665,429.81 \\
 & & = 34.01\%
 \end{array}$$

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



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 Index	Composite Index
		Bid Price	Index	Bid Price	Index	Bid Price	Index	Bid Price	Index	Bid Price	Index	Bid Price	Index	Bid Price	Index		
1987	1987	\$2.47	100.0	\$23.17	100.0	\$13.36	100.0	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	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	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	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	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	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	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	124.4	\$219.94	101.2	\$0.37	89.7	\$0.67	78.8	94.4	118.8
1995	95Q1	\$2.85	115.5	\$30.98	133.7	\$20.33	152.2	135.6	135.6	\$217.43	100.1	\$0.39	94.6	\$0.67	78.8	94.7	119.8
1995	95Q2	\$6.18	250.1	\$30.43	131.3	\$27.06	202.5	138.7	138.7	\$227.59	104.7	\$0.40	97.0	\$0.73	85.6	99.3	145.8
1995	95Q3	\$3.33	134.7	\$30.51	131.7	\$16.02	119.9	130.5	130.5	\$229.50	105.6	\$0.38	93.8	(\$1.00)	-1.0	102.7	124.1
1995	95Q4	\$3.33	134.9	\$28.43	122.7	\$21.81	163.2	126.9	126.9	\$192.09	88.4	\$0.40	97.8	\$0.95	111.7	94.9	118.6
1995	95AV	\$3.41	138.1	\$30.25	130.5	\$17.82	133.4	130.8	130.8	\$211.29	97.2	\$0.39	94.0	\$0.90	105.5	98.3	122.3
1996	96Q1	\$4.26	172.4	\$30.62	132.2	\$17.31	129.6	131.9	131.9	\$237.58	109.3	\$0.39	94.0	(\$1.00)	-1.0	105.6	132.5
1996	96Q2	\$5.11	206.9	\$31.35	135.3	\$34.29	256.7	147.8	147.8	\$237.47	109.3	\$0.43	103.7	\$1.02	119.1	110.2	146.5
1996	96Q3	\$4.48	181.2	\$36.31	156.7	\$16.92	126.6	153.6	153.6	\$312.26	143.7	\$0.44	106.7	\$1.32	154.8	138.8	153.9
1996	96Q4	\$4.05	164.1	\$35.94	155.1	(\$1.00)	-1.0	155.1	155.1	\$237.47	109.3	\$0.45	108.9	(\$1.00)	-1.0	109.2	144.4
1996	96AV	\$4.46	180.5	\$32.73	141.3	\$19.22	143.9	141.5	141.5	\$265.98	122.4	\$0.43	105.1	\$1.09	128.5	120.2	141.7
1997	97Q1	\$3.60	145.8	\$31.47	135.8	\$20.81	156.0	137.9	137.9	\$229.63	105.7	\$0.42	103.5	\$0.97	113.7	106.9	129.9
1997	97Q2	\$7.09	286.8	\$34.08	147.1	\$24.42	182.8	150.7	150.7	\$269.94	124.2	\$0.46	111.7	\$1.12	131.6	123.3	165.7
1997	97Q3	\$4.08	165.1	\$31.55	136.2	\$24.15	180.8	140.8	140.8	\$257.62	118.5	\$0.49	119.3	\$1.06	124.7	119.9	138.6
1997	97Q4	\$3.65	147.9	\$37.66	162.5	\$18.84	141.1	160.3	160.3	\$268.22	123.4	\$0.45	110.8	(\$1.00)	-1.0	120.4	147.8
1997	97AV	\$4.24	171.7	\$32.92	142.1	\$21.39	160.1	143.9	143.9	\$246.29	113.3	\$0.45	110.8	\$1.01	117.9	113.8	139.6
1998	98Q1	\$5.30	214.4	\$36.20	156.2	\$30.88	231.2	164.0	164.0	\$292.00	134.4	\$0.48	116.2	(\$1.00)	-1.0	129.9	164.4
1998	98Q2	\$4.76	192.6	\$36.52	157.6	\$24.23	181.4	160.1	160.1	\$264.38	121.7	\$0.48	116.0	(\$1.00)	-1.0	120.3	155.8
1998	98Q3	\$2.69	230.4	\$35.21	141.9	\$34.18	255.9	162.6	162.6	\$295.21	135.8	\$0.22	126.6	(\$1.00)	-1.0	133.6	167.5
1998	98Q4	\$4.33	175.0	\$34.53	149.0	\$28.64	214.4	155.8	155.8	\$291.27	134.0	\$0.51	125.1	(\$1.00)	-1.0	131.9	153.1
1998	98AV	\$4.89	198.0	\$35.72	154.2	\$26.54	198.7	158.7	158.7	\$283.01	130.2	\$0.50	122.0	(\$1.00)	-1.0	128.2	158.1
1999	99Q1	\$5.91	239.4	\$36.57	157.8	\$18.57	139.0	155.9	155.9	\$335.29	154.3	\$0.59	144.9	\$0.54	63.8	134.1	163.5
1999	99Q2	\$5.34	216.0	\$35.09	151.4	\$21.90	163.9	152.7	152.7	\$326.59	150.3	\$0.61	149.8	\$1.15	135.3	147.1	161.8
1999	99Q3	\$4.42	178.8	\$36.62	158.1	\$24.59	184.1	160.7	160.7	\$298.62	137.4	\$0.52	125.5	(\$1.00)	-1.0	107.2	147.7
1999	99Q4	\$4.11	166.5	\$33.96	146.6	\$33.04	247.3	156.9	156.9	\$305.27	140.5	\$0.50	121.1	\$1.46	171.1	143.0	154.3
1999	99AV	\$4.94	199.8	\$35.23	152.0	\$22.78	170.5	153.9	153.9	\$310.56	142.9	\$0.54	132.0	\$1.41	165.3	145.3	159.2
2000	00Q1	\$5.11	206.9	\$36.84	159.0	\$21.73	162.7	159.4	159.4	\$341.22	157.0	\$0.45	110.2	(\$1.00)	-1.0	145.7	164.5
2000	00Q2	\$4.41	178.5	\$40.71	175.7	\$11.84	88.6	166.8	166.8	\$374.75	172.5	\$0.47	114.7	\$1.25	146.2	155.9	165.5
2000	00Q3	\$6.42	259.7	\$43.57	188.0	\$22.69	169.8	186.2	186.2	\$355.44	163.6	\$0.47	114.0	\$0.96	111.9	143.5	185.8

Insufficient Data (\$1.0), -1.0

COMMENTS:

This Colorado Construction Cost Index is composed of six indicator items and based on the total quantities used during 1987 (unit index=100).

Earthwork (Complete in place): \$6.42 a cubic yard. Up \$2.01 from last quarter and up \$2.00 from the same quarter a year ago. This increase can be attributed mostly to three complex projects: the Snowmass Canyon Project on SH82, the Wolf Creek Pass Upper Narrows Project on SH 160, and the I-70 Washington to Brighton Project in Denver.

Bituminous Pavement: \$43.57 a ton. Up \$2.86 from last quarter and up \$6.95 from the same quarter a year ago. Smaller quantities in various projects and the oil price increase contributed to this increase.

Concrete Pavement: \$22.69 a square yard. Up \$10.85 from the last quarter but down \$1.90 from the same quarter a year ago. Given that one big project in Douglas County accounted the large drop in price last quarter, this quarter's price is in line with the multi-quarter trend.

Structural Steel: \$0.96 a pound. Down \$0.29 from the last quarter but due to insufficient quantities, no comparison can be made with the same quarter a year ago. The Structural Steel quantity is only 25% of the last quarter and low bids on two projects with relatively large quantities contributed to the price drop.

Structural Concrete: \$355.44 a cubic yard. Down \$19.31 from the prior quarter but up \$56.82 from the same quarter a year ago. Several projects with large quantities contributed to the price drop.

Reinforcing Steel: \$0.47 a pound. The same as last quarter and down \$0.05 from the same quarter a year ago.

SUMMARY:

Increases were represented in three of the six construction items in the Construction Cost Index. Items showing decrease were Structural Steel and Structural Concrete. The index for Reinforcing Steel remained the same.

Thirty-two projects were bid this quarter for a total of \$244,665,429.81. The competition for projects increased from 4.66 to 4.97 bidders for each project on average. By comparison, 35 projects were bid last quarter and 26 in the same quarter last year.

Nine metric projects were bid this quarter. Metric quantities have been converted into English units for inclusion in this report.

Neither Design/Build nor Lump Sum projects were bid this quarter.