STATE OF COLORADO



DEPARTMENT OF TRANSPORTATION Division of Project Support Contracts and Market Analysis Branch

COLORADO CONSTRUCTION COST INDEX REPORT Calendar Year 2019 Third Quarter

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CCI REPORT SUMMARY

3rd QUARTER ENDING September 30, 2019

Relative change from last quarter, quarterly data*	. 1.00%
Cumulative change from same quarter last year, quarterly data*	10.76%
Relative change from last year, annual data**	-9.30%

^{*} Calculations based on quarterly data may vary significantly due to strong seasonality in Colorado.

^{**} Calculations derived from the most recent four consecutive quarters of data compared to the previous four consecutive quarters of data. For example, relative change for 2nd QUARTER ENDING June 30, 2017 is derived from July 1, 2016 to June 30, 2017 data compared to July 1, 2015 to June 30, 2016 data.

Summary for all Design-Bid-Build projects awarded between 7/1/2019 and 9/30/2019

3/30/2013									
Project Amount	Number of Projects	Number of Bidders	Biddable Items Total Amount	Average Number of Bidders					
\$0.00 to \$999,999.99	7	18	\$3,856,242.95	2.57					
\$1,000,000.00 to \$4,999,999.99	8	23	\$13,541,598.55	2.88					
\$5,000,000.00 to \$19,999,999.99	0	0	\$0.00	0.00					
\$20,000,000.00 or Greater	0	0	\$0.00	0.00					
Total	15	41	\$25,475,564.70	2.73					

Average number of bidders per project increased to 2.73 this quarter, from 2.40 the previous quarter. Average cost per Design-Bid-Build project was \$1,698,370.98

Colorado Construction Cost Index Tabulations: Quarterly Data

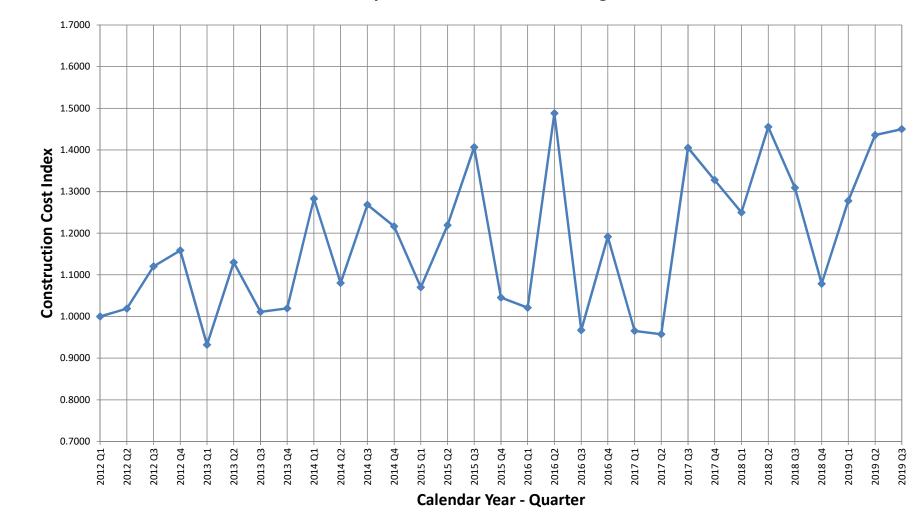
	Earthwork		Hot Mix Asphalt		Concrete Pavement*		Structural Concrete		Reinforcing Steel		Fisher Ideal Index	
Year Quarter	Price (\$/CY)	Qty (CY)	Price (\$/TON)	Qty (TON)	Price (\$/SY)	Qty (SY)	Price (\$/CY)	Qty (CY)	Price (\$/LB)	Qty (LB)	Relative	Cumulative
2012 Q1	9.32	295,331.00	83.52	611,829.00	29.47	459,695.83	433.44	7,636.00	0.88	1,956,874.00		1.0000
2012 Q2	10.61	367,636.10	82.65	328,357.21	31.18	264,194.31	472.96	5,910.00	0.97	833,101.00	1.0190	1.0190
2012 Q3	11.92	212,117.00	90.76	59,799.23	34.76	107,643.81	487.93	2,388.20	1.04	485,586.00	1.0995	1.1204
2012 Q4	9.49	246,805.00	102.24	146,197.04	n/a**	n/a**	527.68	1,772.00	0.94	310,307.00	1.0344	1.1589
2013 Q1	8.08	659,125.00	76.07	393,759.56	31.81	549,580.81	487.00	9,019.00	0.87	1,929,721.00	0.8044	0.9322
2013 Q2	12.75	316,498.00	84.37	501,946.32	52.18	60,482.78	427.09	6,857.00	0.91	1,048,761.00	1.2121	1.1300
2013 Q3	8.72	419,967.00	85.00	147,064.84	35.57	170,833.67	372.83	9,917.00	0.77	2,350,291.00	0.8947	1.0110
2013 Q4	10.00	75,520.00	80.78	198,528.45	42.64	92,749.00	309.40	1,752.00	0.85	486,791.00	1.0086	1.0197
2014 Q1	20.16	99,605.00	92.28	433,692.17	76.84	57,552.78	476.21	3,265.00	0.98	629,246.00	1.2581	1.2829
2014 Q2	12.88	610,731.00	88.13	548,253.70	34.34	302,520.17	517.01	8,249.90	0.90	1,468,195.00	0.8421	1.0803
2014 Q3	13.30	708,794.00	100.07	102,680.99	52.39	147,911.17	592.26	16,294.30	1.01	2,949,114.00	1.1740	1.2683
2014 Q4	10.73	695,288.00	113.42	141,154.23	46.12	156,635.11	549.86	6,657.10	1.03	948,029.00	0.9591	1.2164
2015 Q1	16.60	301,494.80	83.80	736,968.84	34.36	311,378.67	744.81	1,994.30	1.66	368,665.00	0.8798	1.0702
2015 Q2	15.12	167,066.00	94.22	311,989.59	46.36	219,498.00	577.73	1,119.00	1.64	205,245.00	1.1391	1.2190
2015 Q3	20.32	40,649.00	98.61	89,024.05	75.70	12,880.78	739.20	706.90	1.33	86,854.00	1.1536	1.4063
2015 Q4	12.16	309,414.10	81.21	66,957.40	47.46	128,174.06	598.73	3,702.00	1.42	366,651.00	0.7434	1.0454
2016 Q1	12.27	939,477.00	84.03	1,078,315.35	39.18	243,518.78	617.10	6,507.71	1.02	1,627,487.00	0.9767	1.0211
2016 Q2	31.34	14,104.00	110.17	118,434.28	104.99	1,936.89	1,028.57	126.00	2.79	12,189.00	1.4571	1.4878
2016 Q3	10.66	503,305.00	83.55	286,987.61	52.59	275,462.06	606.80	1,952.80	0.94	331,788.70	0.6500	0.9671
2016 Q4	18.00	81,788.00	106.93	108,909.09	47.97	51,601.89	978.88	300.80	2.28	18,840.00	1.2318	1.1913
2017 Q1	24.99	110,497.40	82.20	480,758.14	36.08	60,069.44	1,138.99	67.00	2.17	26,054.00	0.8105	0.9655
2017 Q2	11.28	153,010.00	88.48	302,427.67	36.44	147,787.36	592.94	2,168.00	1.06	416,630.00	0.9916	0.9574
2017 Q3	27.34	51,552.00	115.01	19,675.64	97.88	2,088.89	629.83	2,292.00	1.15	346,069.00	1.4673	1.4048
2017 Q4	16.17	23,686.00	95.90	152,110.33	72.95	2,823.00	1,068.73	263.00	2.32	24,850.00	0.9449	1.3274
2018 Q1	13.97	163,772.00	90.91	302,427.23	92.58	7,834.00	862.30	1,167.00	1.39	206,568.00	0.9415	1.2497
2018 Q2	15.58	47,167.00	110.11	42,157.74	n/a**	n/a**	809.61	887.00	1.54	139,494.00	1.1643	1.4551
2018 Q3	15.69	77,482.00	107.51	38,587.91	60.91	11,825.11	711.51	5,097.00	1.07	1,480,110.00	0.8995	1.3088
2018 Q4	16.51	174,175.00	89.89	594,326.44	35.97	974,214.00	674.59	2,017.00	1.29	213,561.00	0.8238	1.0785
2019 Q1	12.73	545,088.00	101.34	491,723.60	53.33	197,389.61	840.94	4,426.90	1.40	871,380.00	1.1848	1.2778
2019 Q2	26.64	55,197.00	119.73	116,528.65	79.43	13,611.17	479.34	8,463.00	1.05	1,230,972.00	1.1236	1.4357
2019 Q3	n/a**	n/a**	n/a**	n/a**	104.00	4,074.22	n/a**	n/a**	n/a**	n/a**	1.0100	1.4501

Weighted average prices and quantities are calculated after outliers (< 5% and > 95%) are removed in the preceding 7 years for a given quarter.

^{*} Concrete Pavement is normalized to 9 inches thick.

^{**} Assuming same price and quantity as previous quarter for index calculations, due to insufficient data of this sub group.

Colorado CCI - Quarterly Data, Cumulative Assuming 2012 Q1 = 1.0000



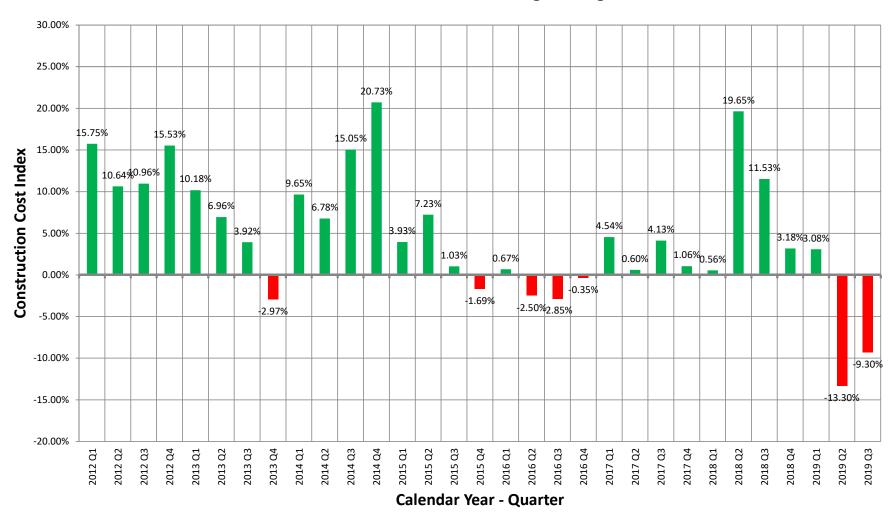
Colorado Construction Cost Index Tabulations: Annual Percentage Change

		Earth	work	Hot Mix	Asphalt	Concrete	Pavement*	Structural	Concrete	Reinford	ing Steel	Fish	ner Ideal Index	(Annual Cha	nge)
Year	Quarter	Price (\$/CY)	Qty (CY)	Price (\$/TON)	Qty (TON)	Price (\$/SY)	Qty (SY)	Price (\$/CY)	Qty (CY)	Price (\$/LB)	Qty (LB)	Q1	Q2	Q3	Q4
2012	Q1	7.48	3,751,697.00	74.46	2,382,261.64	34.23	900,143.46	422.36	73,783.53	0.85	13,569,678.00	15.75%	-	-	-
2012	Q2	8.23	1,880,505.10	80.96	1,363,144.44	30.16	816,743.88	443.62	23,011.23	0.90	4,772,701.00	-	10.64%	-	-
2012	Q3	8.48	1,846,077.10	81.66	1,287,260.97	31.05	843,073.00	452.94	22,476.20	0.91	4,787,809.00	-	-	10.96%	-
2012	Q4	10.27	1,121,889.10	86.04	1,146,182.48	31.16	939,177.75	463.41	17,706.20	0.93	3,585,868.00	-	-	-	15.53%
2013	Q1	9.49	1,485,683.10	83.47	928,113.04	32.27	1,029,062.73	486.55	19,089.20	0.92	3,558,715.00	10.18%	-	-	-
2013	Q2	9.92	1,434,545.00	84.12	1,101,702.15	34.07	825,351.20	470.21	20,036.20	0.91	3,774,375.00	-	6.96%	-	-
2013	Q3	9.36	1,642,395.00	83.90	1,188,967.76	34.28	888,541.07	433.64	27,565.00	0.84	5,639,080.00	-	-	3.92%	-
2013	Q4	9.37	1,471,110.00	81.24	1,241,299.17	35.11	873,646.26	419.69	27,545.00	0.84	5,815,564.00	-	-	-	-2.97%
2014	Q1	11.48	911,590.00	86.56	1,281,231.78	46.14	381,618.23	400.29	21,791.00	0.84	4,515,089.00	9.65%	-	-	-
2014	-	11.85	1,205,823.00	88.04	1,327,539.16	39.83	623,655.62	433.90	23,183.90	0.84	4,934,523.00	-	6.78%	-	-
2014	Q3	13.42	1,494,650.00	89.35	1,283,155.31	44.14	600,733.12	541.68	29,561.20	0.96	5,533,346.00	-	-	15.05%	-
2014	Q4	12.66	2,114,418.00	93.51	1,225,781.09	44.81	664,619.23	555.07	34,466.30	0.98	5,994,584.00	-	-	-	20.73%
2015	-	12.85	2,316,307.80	89.18	1,529,057.76	39.26	918,445.12	574.22	33,195.60	1.03	5,734,003.00	3.93%	-	-	-
2015	Q2	13.04	1,872,642.80	90.84	1,292,793.65	42.91	835,422.95	592.48	26,064.70	1.10	4,471,053.00	-	7.23%	-	-
2015		13.13	1,204,497.80	90.64	1,279,136.71	41.51	700,392.56	602.72	10,477.30	1.27	1,608,793.00	-	-	1.03%	-
2015	Q4	14.80	818,623.90	87.45	1,204,939.88	41.57	671,931.51	647.54	7,522.20	1.54	1,027,415.00	-	-	-	-1.69%
2016	Q1	12.80	1,456,606.10	86.80	1,546,286.39	44.32	604,071.62	614.96	12,035.61	1.15	2,286,237.00	0.67%	-	-	-
2016	Q2	12.70	1,303,644.10	87.14	1,352,731.08	43.47	386,510.51	623.45	11,042.61	1.11	2,093,181.00	-	-2.50%	-	-
2016	Q3	11.94	1,766,300.10	85.82	1,550,694.64	46.70	649,091.79	614.15	12,288.51	1.08	2,338,115.70	-	-	-2.85%	-
2016		12.22	1,538,674.00	87.45	1,592,646.33	46.65	572,519.62	632.92	8,887.31	1.03	1,990,304.70	-	-	-	-0.35%
2017		14.15	709,694.40	88.62	995,089.12	49.69	389,070.28	688.84	2,446.60	1.15	388,871.70	4.54%	-	-	-
2017	-	13.35	848,600.40	86.42	1,179,082.51	45.83	534,920.75	632.98	4,488.60	1.08	793,312.70	-	0.60%	-	-
2017		18.57	396,847.40	87.95	911,770.54	39.12	261,547.58	642.08	4,827.80	1.16	807,593.00	-	-	4.13%	-
2017	Q4	18.54	338,745.40	87.05	954,971.78	37.43	212,768.69	644.35	4,790.00	1.17	813,603.00	-	-	-	1.06%
2018		14.81	392,020.00	91.55	776,640.87	40.62	160,533.25	681.91	5,890.00	1.19	994,117.00	0.56%	-	-	-
2018		16.83	286,177.00	94.87	516,370.94	90.43	20,579.89	748.33	4,609.00	1.34	716,981.00	-	19.65%	-	-
2018		14.81	312,107.00	95.04	535,283.21	78.40	30,316.11	759.65	7,414.00	1.16	1,851,022.00	-	-	11.53%	-
2018		15.38	462,596.00	91.78	977,499.32	37.15	1,001,707.11	732.07	9,168.00	1.16	2,039,733.00	-	-	-	3.18%
2019		13.94	843,912.00	96.03	1,166,795.69	39.47	1,191,262.72	758.62	12,427.90	1.22	2,704,545.00	3.08%	-	-	-
2019		14.67	851,942.00	97.78	1,241,166.61	39.57	1,197,039.89	638.21	20,003.90	1.15	3,796,023.00	-	-13.30%	-	-
2019	Q3	15.37	829,657.00	99.43	1,319,107.35	39.58	1,189,289.00	564.69	23,369.90	1.15	3,546,885.00			-9.30%	

Weighted average prices and quantities are calculated after outliers (< 5% and > 95%) are removed in the preceding 7 years for a given quarter.

^{*} Concrete Pavement is normalized to 9 inches thick.

Colorado CCI - Annual Percentage Change



Calculations derived from the most recent four consecutive quarters of data compared to the previous four consecutive quarters of data.

Comments:

The methodology for preparing the CCI is documented in a brief report attached to the '2012 CCI Q2' report at the following link http://www.coloradodot.info/business/eema, under the 'Construction Cost Index' heading and '2012 CCI Q2' report.

Starting with 2016 Q3, this quarterly CCI report includes calculations based on annual data. The annual data calculations are less volatile than the quarterly data calculations, partially due to the strong seasonal nature of transportation construction in Colorado.

For the current quarter, price changes for the five sub groups, as shown in the 'Colorado Construction Cost Index Tabulations: Quarterly Data', are listed as follows:

Earthwork (Excavation and Embankment):

The average price was \$26.64/CY, which is down \$0.00/CY, with 100% of the quantity, from the previous quarter.

Hot Mix Asphalt:

The average price was \$119.73/TON, which is down \$0.00/TON, with 100% of the quantity, from the previous quarter.

Concrete Pavement:

The average price was \$104.00/SY, which is up \$24.57/SY, with 30% of the quantity, from the previous quarter.

Structural Concrete:

The average price was \$479.34/CY, which is up by \$0.00/CY, with 100% the quantity, from the previous quarter.

Reinforcing Steel:

The average price was \$1.05/LB, which is up \$0.00/LB, with 100% the quantity, from the previous quarter.

(note: 4 of the 5 categories above had insufficient data, therefore previous-quarter data was used)

ADDITIONAL INFORMATION:

This quarter, based on preceding quarterly data, had two categories, Earthwork, HMA showing a decrease in price, while the remaining four subgroups showed an increase in price. There were sixteen Design-Bid-Build projects for a total of \$25,475,564.70. The five categories for CCI items totaled \$21,196,222.24, which is 83% of the total Design-Bid-Build awarded amount.

Projects Awarded this Quarter and Not Used in the CCI Calculations

Project Type	Number of Projects	Biddable Items Total Amount		
Design-Build	0	\$0.00		
Hybrid / Modified / Streamlined Design-Build	0	\$0.00		
Construction Manager / General Contractor	2	\$140,443,613.11		
Emergency	2	\$13,464,714.16		
Sub Total	4	\$ 161,986,050.47		