

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

COLORADO CONSTRUCTION COST INDEX REPORT Calendar Year 2018 Third Quarter

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CCI REPORT SUMMARY

3rd QUARTER ENDING September 30, 2018

Relative change from last quarter, quarterly data*	10.05%
Cumulative change from same quarter last year, quarterly data*	6.83%
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Relative change from last year, annual data**	11.53%

^{*} 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 7/1/2018 and 9/30/2018

Project Amount	Number of Projects	Number of Bidders	Biddable Items Total Amount	Average Number of Bidders	
\$0.00 to \$999,999.99	12	34	\$7,208,696.60	2.83	
\$1,000,000.00 to \$4,999,999.99	8	34	\$16,300,134.75	4.25	
\$5,000,000.00 to \$19,999,999.99	5	39	\$32,276,672.57	7.80	
\$20,000,000.00 or Greater	0	0	\$0.00	0.00	
Total	25	107	\$55,785,503.92	4.28	

Average number of bidders per project decreased to 4.28 this quarter from 4.30 the previous quarter. Average cost per Design-Bid-Build project was \$2,231,420.16.

Colorado Construction Cost Index Tabulations: Quarterly Data

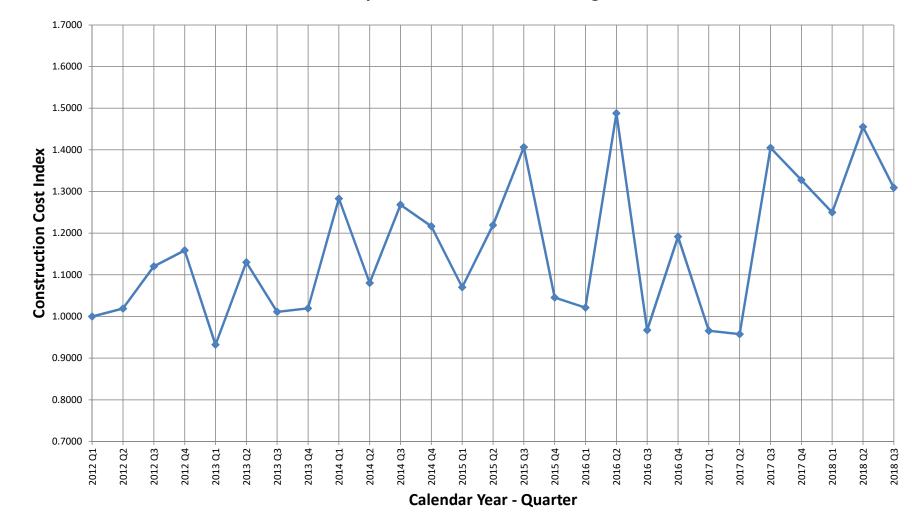
	Earth	work	Hot Mix	Asphalt	Concrete P	avement*	Structural Concrete		Reinforcing Steel		Fisher Ideal Index	
Year Quarter	Price (\$/CY)	Qty (CY)	Price (\$/TON)	Qty (TON)	Price (\$/SY)	Qty (SY)	Price (\$/CY)	Qty (CY)	Price (\$/LB)	Qty (LB)	Relative	Cumulative
2012 Q1	9.32	295,331.00	83.52	611,829.00	29.47	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	1.1590
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	0.9323
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	1.0111
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	1.2830
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	1.0804
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	1.2684
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	1.2166
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	1.0703
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	1.2193
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	1.4065
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	1.0456
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	1.0213
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	1.4881
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	0.9672
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	1.1914
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	0.9657
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	0.9576
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	1.4051
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	1.3277
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	1.2500
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	1.4554
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	1.3091

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



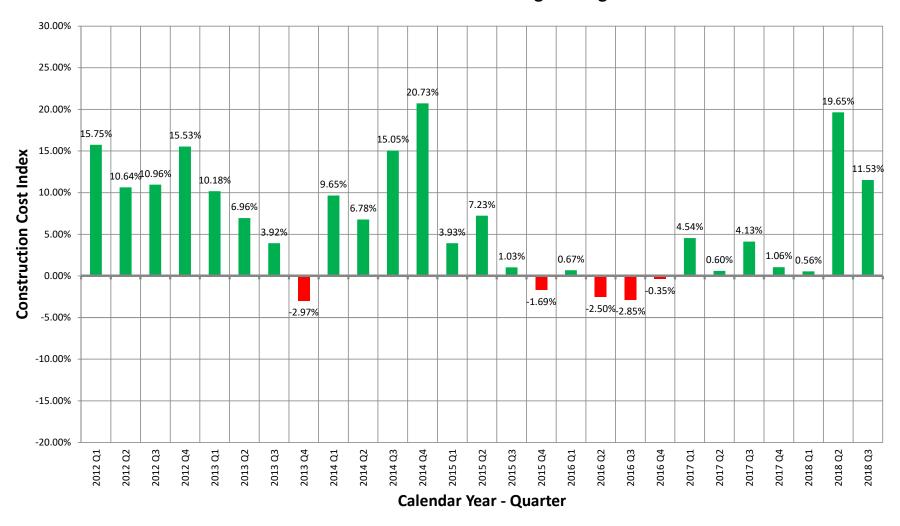
Colorado Construction Cost Index Tabulations: Annual Percentage Change

	Earth	work	Hot Mix	Asphalt	Concrete F	avement*	Structural	Concrete	Reinforc	ing Steel	Fish	er Ideal Index	(Annual Char	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 Q2	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 Q1	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		4,471,053.00	-	7.23%	-	-
2015 Q3	13.13	1,204,497.80	90.64	1,279,136.71	41.51	700,392.56	602.72	10,477.30		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 Q4	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 Q1	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 Q2	13.35	848,600.40	86.42	1,179,082.51	45.83	534,920.75	632.98	4,488.60		793,312.70	-	0.60%	-	-
2017 Q3	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		813,603.00	-	-	-	1.06%
2018 Q1	14.81	392,020.00	91.55	776,640.87	40.62	160,533.25	681.91	5,890.00		994,117.00	0.56%	-	-	-
2018 Q2	16.83	286,177.00	94.87	516,370.94	90.43	20,579.89	748.33	4,609.00		716,981.00	-	19.65%	-	-
2018 Q3	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%	-

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 \$15.69/CY, which is up \$0.11/CY, with more than one and five-eighths times the quantity, from the previous quarter.

Hot Mix Asphalt:

The average price was \$107.51/TON, which is down \$2.60/TON, with more than seven-eighths times the quantity, from the previous quarter.

Concrete Pavement:

The average price was \$60.91/SY which is down \$31.67/SY, with more than one and one-half times the quantity, from the previous quarter.

Structural Concrete:

The average price was \$711.51/CY, which is down \$98.10/CY, with slightly less than five and three-fourths times the quantity, from the previous quarter.

Reinforcing Steel:

The average price was \$1.07/LB, which is down \$0.47/LB, with more than ten and one-half times the quantity, from the previous quarter.

ADDITIONAL INFORMATION:

This quarter, based on preceding quarter data, one sub group, Earthwork, showed an increase in price, while four sub groups, Hot Mix Asphalt, Concrete Pavement, Structural Concrete, and Reinforcing Steel showed a decrease in price. This quarter, 25 Design-Bid-Build projects for a total of \$55,785,503.92 were bid and awarded. The five categories for CCI items totaled \$11,294,830.40 which is 20.2% of total Design-Bid-Build awarded amount. By comparison, last quarter, 23 Design-Bid-Build projects were bid and awarded.

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	1	\$57,727,234.71		
Emergency	1	\$471,906.00		
Sub Total	2	\$58,199,140.71		