

Minnesota Highway Construction Cost Index 1st Quarter 2020

Minnesota Highway Construction Cost Index

The Minnesota Highway Construction Cost Index is an indicator of price trends for highway construction. Each quarter, an average unit price is computed for six indicator items. The unit prices are based upon bids from projects let during that quarter. Prices from projects which cost less than \$100,000, and projects which use Design Build, Contract Manager/General Contractor (CMGC), Indefinite Delivery/Indefinite Delivery (IDIQ) and Emergency Order Project methods of contracting are not included in the Cost Index. The average unit price and quantity for these six indicator items along with the corresponding 1987 Base Year data is used to compute three sub-indices and the composite index. Each index and the associated indicator items are listed in Table 1.

Table 1/Indices and Indicator Items

Index	Indicator Items
Excavation Index	Excavation
Surfacing Index	Plant-Mixed Bituminous Pavement, Concrete Pavement
Structures Index	Structural Concrete, Reinforcing Steel, Structural Concrete
Composite Index	All Indicator Items

1st Quarter 2020 Indices

The Composite Minnesota Highway Construction Cost Index for the 1st Quarter 2020 was not computed due to the absence of data for the Structural Steel Indicator Item. Without a unit price for each indicator item, the resulting index is not comparable to previous indices. The other 1st Quarter 2020 Indices are compared to the 1st Quarter 2019 Indices in Table 2.

Table 2/1st Quarter 2019 and 2020 Indices

Index	1st Quarter 2019	1st Quarter 2020
Excavation Index	435.26	448.30
Surfacing Index	317.99	333.64
Structures Index	Insufficient data to compute index.	Insufficient data to compute index.
Composite Index	Insufficient data to compute index.	Insufficient data to compute index.

The average number of bidders per project in the 1st Quarter of 2020 was 3.12. In comparison, the average number of bidders per project in the 1st Quarter of 2019 was 3.25. Additional project data about the 1st Quarter of 2019 and 2020 are included in Table 3.

Table 3/1st Quarter 2019 and 2020 Project Data

Description	1st Quarter 2019	1st Quarter 2020
Number of Awarded Projects	59	59
Cost of Awarded Projects	\$329,734,706.41	\$365,592,465.40
Number of Bidders	192	184
Average Number of Bidders	3.25	3.12
Number of Cost Index Projects	32	28
Cost of Cost Index Projects	\$95,105,267.84	\$85,446,877.92

The 1st Quarter 2020 Unit Prices for each indicator Item are compared to the 1st Quarter 2019 Unit Prices in Table 4.

Table 4/1st Quarter 2019 and 2020 Indicator Item Unit Prices

Indicator Item (Unit)	1 st Quarter 2019 Quantity	1 st Quarter 2019 Cost	1 st Quarter 2019 Unit Price	1 st Quarter 2020 Quantity	1 st Quarter 2020 Cost	1 st Quarter 2020 Unit Price
Excavation (CY)	870,346	\$7,595,018.95	\$8.73	812,484	\$7,302,485.26	\$8.99
Plant-Mixed Bituminous Pavement (Ton)	1,164,748	\$68,170,518.57	\$58.53	694,181	\$41,174,608.13	\$59.31
Concrete Pavement (CY)	114,385	\$15,186,317.19	\$132.77	174,240	\$28,807,505.91	\$165.33
Structural Concrete (CY)	4,245	\$3,494,030.13	\$823.09	7,108	\$6,717,998.82	\$945.13
Reinforcing Steel (lb.)	454,982	\$659,383.00	\$1.45	1,034,270	\$1,444,279.80	\$1.40
Structural Steel (lb.)	0.00	\$0.00	NA	0.00	\$0.00	NA

Excavation

The average Excavation cost was \$8.99/CY, up \$0.26/CY from the 1st Quarter of 2019. Eleven (11) projects were considered this quarter.

Plant Mixed Bituminous Pavement

The average Plant Mixed Bituminous cost was \$59.31/ton, up \$0.78/ton from the 1st Quarter of 2019. Twenty-one (21) projects were considered this quarter.

Concrete Pavement

The average Concrete Pavement cost was \$165.33/CY, up \$32.65/CY from the 1st Quarter of 2019. Seven (7) projects were considered this quarter.

Structural Concrete

The average Structural Concrete cost was \$945.13/CY, up \$122.04/CY from the 1st Quarter of 2019. Nine (9) projects were considered this quarter.

Reinforcing Steel

The average Reinforcing Steel cost was \$1.40/lb, down \$0.05/lb from the 1st Quarter of 2019. Seven (7) projects were considered this quarter.

Structural Steel

There were no eligible projects with Structural Steel this quarter.