

| Addressees |
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- FROM: Mary Lacho Estimates Engineer
- **DATE:** March 6<sup>th</sup>, 2013
- SUBJECT: Cost Index 2012 Fourth Quarter / Year End

## Estimates Engineer – 4<sup>th</sup> Quarter 2012 Notes:

The 2012 Fourth Quarter Minnesota Highway Construction Composite Cost Index is 258.54.

The only indicator item that increased significantly compared to 4<sup>th</sup> Quarter 2011 was Concrete Pavement. This is not consistent with the Minneapolis-Based Average (down 15%) (*Minneapolis-Based Data, Concrete Ready-Mix Index, Engineering News Record*). However, it is important to note the primary contributor to this indicator (~90%) is a single three-year project that is scheduled to finish in 2015.

### Fourth Quarter - 2012

The fourth quarter index was based on \$132.59 million of work considered from 13 Projects. Fourth quarter 2012 cost information is compared to fourth quarter 2011 below.

- The average Excavation cost was \$4.14/CY, down 29.0% (\$1.69/CY) from the fourth quarter of 2011. 6 projects were considered this quarter.
- The average Reinforcing Steel cost was \$1.14/LB, up 2.7% (\$0.03/LB) from the fourth quarter of 2011. 5 projects were considered this quarter.
- The average Structural Steel cost was \$1.57/LB, fourth quarter of 2011 information unavailable for comparison due to absence of data. 2 projects were considered this quarter.
- The average Structural Concrete cost was \$401.90/CY, down 26.2% (\$142.77/CY) from the fourth quarter of 2011. 5 projects were considered this quarter.
- The average Concrete Pavement cost was \$145.19/CY, up 61.0% (\$55.00/CY) from the fourth quarter of 2011. 3 projects were considered this quarter.
- The average Plant Mixed Bituminous cost was \$53.36/TON, down 0.8% (\$0.41/TON) from the fourth quarter of 2011. 11 projects were considered this quarter.



| Indicator Costs        |                                       |         |           |          |            |         |             |              |  |
|------------------------|---------------------------------------|---------|-----------|----------|------------|---------|-------------|--------------|--|
|                        | _                                     |         |           |          | _          |         |             | _            |  |
|                        | Fo                                    | ourth C | uarter 20 | 11       | Fo         | urth Qu | uarter 2012 | 2            |  |
| Item                   | Quantity Cost * Unit Quantity<br>Cost |         |           |          |            | ÿ       | Cost *      | Unit<br>Cost |  |
| Excavation             | 516,724                               | CY      | \$3.01    | \$5.83   | 3,072,328  | CY      | \$12.72     | \$4.14       |  |
| Reinforcing Steel      | 223,240                               | LB      | \$0.25    | \$1.11   | 23,224,170 | LB      | \$26.48     | \$1.14       |  |
| Structural Steel       | **                                    | LB      | **        | **       | 13,641,553 | LB      | \$21.44     | \$1.57       |  |
| Structural Concrete    | 1801                                  | CY      | \$0.98    | \$544.67 | 104,257    | CY      | \$41.90     | \$401.90     |  |
| Concrete Pavement      | 86,946                                | CY      | \$7.84    | \$90.19  | 59,222     | CY      | \$8.60      | \$145.19     |  |
| Plant-Mixed Bituminous | 398,639                               | TON     | \$21.43   | \$53.77  | 401,938    | TON     | \$21.45     | \$53.36      |  |
| Total                  |                                       |         | \$33.51   |          |            |         | \$132.59    |              |  |

\* Millions of dollars

\*\* Not computed due to the absence of data.

Project information and cost indices from the fourth quarter of 2012 are compared to the fourth quarter of 2011 below.

| Minnesota Highway Construction Project Summary |         |          |  |  |  |  |  |
|--|---------|----------|--|--|--|--|--|
|  | 2011 Q4 | 2012 Q4  |  |  |  |  |  |
| Number of Projects Awarded                     | 23      | 27       |  |  |  |  |  |
| Awarded Amount (\$ million)                    | \$62.67 | \$374.65 |  |  |  |  |  |
| Total Number of Bidders                        | 111     | 119      |  |  |  |  |  |
| Average No. of Bidders                         | 4.8     | 4.4      |  |  |  |  |  |
| Number of Cost Index Projects                  | 13      | 13       |  |  |  |  |  |
| Cost Index Amount (\$ million)                 | \$33.51 | \$132.59 |  |  |  |  |  |
|  |         |          |  |  |  |  |  |
| Excavation Index                               | 290.62  | 206.53   |  |  |  |  |  |
| Structures Index                               | ***     | 211.43   |  |  |  |  |  |
| Surfacing Index                                | 280.36  | 298.86   |  |  |  |  |  |
| Composite Cost Index (CI)                      | ***     | 258.54   |  |  |  |  |  |

\*\*\* Not computed due to the absence of data for associated indicator items.

The average number of bidders per project was 4.41 for the fourth quarter of 2012. In comparison, the average number of fourth quarter bidders in 2011 and 2010 were 4.83 and 5.08 respectively.



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### Estimates Engineer – Year End 2012 Notes:

The 2012 Year End Minnesota Highway Construction Composite Cost Index rose slightly from the previous year. The composite cost index for 2012 is 257.36 compared to 245.95 in 2011. This 4.6% increase for the year is slightly above national averages (*Engineering News Record Construction Cost Index; up 2.6%, U.S. Bureau of Reclamation Construction Cost Trends; up 3.3%*).

It is also important to note that the cost of Plant-Mixed Bituminous has increased 11.4% for Year-End 2012 compared to Year-End 2011. This is significantly higher than the Minneapolis-Based Average. (up 1.6%) (*Minneapolis-Based Data, Asphalt Paving Index, Engineering News Record*)

### Year End – 2012

The Year-End 2012 index was based on \$353.67 million of work considered from 100 Projects.

- The average Excavation cost was \$4.15/CY, down 2.8% (\$0.12/CY) from Year-End 2011. 35 projects were considered in 2012.
- The average Reinforcing Steel cost was \$1.15/LB, up 2.7% (\$0.03/LB) from Year-End 2011. 30 projects were considered in 2012.
- The average Structural Steel cost was \$1.57/LB, up 1.9% (\$0.03/LB) from Year-End 2011. 2 projects were considered in 2012.
- The average Structural Concrete cost was \$418.37/CY, down 15.3% (\$75.84/CY) from Year-End 2011. 29 projects were considered in 2012.
- The average Concrete Pavement cost was \$101.74/CY, up 25.6% (\$20.77/CY) from Year-End 2011. 14 projects were considered in 2012.
- The average Plant Mixed Bituminous cost was \$55.70/TON, up 11.4% (\$5.71/TON) from Year-End 2011. 80 projects were considered in 2012.



| Indicator Costs          |           |     |           |              |            |     |          |              |  |
|--------------------------|-----------|-----|-----------|--------------|------------|-----|----------|--------------|--|
|                          | Year 2012 |     |           |              |            |     |          |              |  |
| Item                     | Quanti    | ty  | Cost *    | Unit<br>Cost | Quantit    | у   | Cost *   | Unit<br>Cost |  |
| Excavation               | 5,193,920 | CY  | \$22.15   | \$4.27       | 7,200,910  | CY  | \$29.92  | \$4.15       |  |
| Reinforcing Steel        | 3,374,504 | LB  | \$3.76    | \$1.12       | 26,322,016 | LB  | \$30.19  | \$1.15       |  |
| Structural Steel         | 738,300   | LB  | \$1.14    | \$1.54       | 13,641,553 | LB  | \$21.44  | \$1.57       |  |
| Structural Concrete      | 27,240    | CY  | \$13.46   | \$494.21     | 126,330    | CY  | \$52.85  | \$418.37     |  |
| <b>Concrete Pavement</b> | 457,911   | CY  | \$37.08   | \$80.97      | 533,039    | CY  | \$54.23  | \$101.74     |  |
| Plant-Mixed Bit.         | 3,074,134 | TON | \$153.68  | \$49.99      | 2,962,926  | TON | \$165.05 | \$55.70      |  |
| Total                    |           |     | \$231.27  |              |            |     | \$353.67 |              |  |
|                          |           |     | *Millions | of dollars   |            |     |          |              |  |

Year 2012 cost information is compared to year 2011 below.

The following tables summarize the quarterly and year-end project information and indices for 2012.

| 2012 Minnesota Highway Construction Project Summary |          |          |         |          |              |  |  |  |  |
|---|----------|----------|---------|----------|--------------|--|--|--|--|
|   | Q1       | Q2       | Q3      | Q4       | Year<br>2012 |  |  |  |  |
| No. of Projects Awarded                             | 74       | 111      | 26      | 27       | 238          |  |  |  |  |
| Awarded Amount (\$ million)                         | \$229.00 | \$272.61 | \$49.48 | \$374.65 | \$925.74     |  |  |  |  |
| Total No. of Bidders                                | 288      | 367      | 87      | 119      | 861          |  |  |  |  |
| Average No. of Bidders                              | 3.9      | 3.3      | 3.4     | 4.4      | 3.6          |  |  |  |  |
| No. of CI Projects                                  | 36       | 45       | 6       | 13       | 100          |  |  |  |  |
| CI Amount (\$ million)                              | \$83.33  | \$118.73 | \$19.01 | \$132.59 | \$353.67     |  |  |  |  |
|   |          |          |         |          |              |  |  |  |  |
| Excavation Index                                    | 168.12   | 251.04   | 220.88  | 206.53   | 207.23       |  |  |  |  |
| Structures Index                                    | **       | **       | **      | 211.43   | 216.68       |  |  |  |  |
| Surfacing Index                                     | 296.53   | 291.94   | 311.11  | 298.86   | 293.54       |  |  |  |  |
| Composite Cost Index                                | **       | **       | **      | 258.54   | 257.36       |  |  |  |  |

\*\* Not computed due to the absence of data for associated indicator items.



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| Minnesota Highway Construction Project Summary |           |           |  |  |  |  |  |
|--|-----------|-----------|--|--|--|--|--|
|  |           |           |  |  |  |  |  |
|  | Year 2011 | Year 2012 |  |  |  |  |  |
| No. of Projects Awarded                        | 220       | 238       |  |  |  |  |  |
| Awarded Amount (\$ million)                    | \$484.77  | \$925.74  |  |  |  |  |  |
| Total No. of Bidders                           | 842       | 861       |  |  |  |  |  |
| Average No. of Bidders                         | 3.8       | 3.6       |  |  |  |  |  |
| No. of CI Projects                             | 85        | 100       |  |  |  |  |  |
| CI Amount (\$ million)                         | \$231.27  | \$353.67  |  |  |  |  |  |
|  |           |           |  |  |  |  |  |
| Excavation Index                               | 212.74    | 207.23    |  |  |  |  |  |
| Structures Index                               | 237.25    | 216.68    |  |  |  |  |  |
| Surfacing Index                                | 259.61    | 293.54    |  |  |  |  |  |
| Composite Cost Index                           | 245.95    | 257.36    |  |  |  |  |  |

Project information and cost indices from 2012 are compared to 2011 below.

The average number of bidders per project for the year 2012 was 3.6. In comparison, the average number of bidders in 2011 and 2010 were 4.0 and 4.3 respectively.

### \*\*\*\*\*\*

Attached is an explanation of the derivation of the Minnesota Cost index, charts of quarterly and annual Minnesota highway construction cost trends and a table and chart comparing the yearly Minnesota Composite Cost Index with the latest yearly FHWA index.

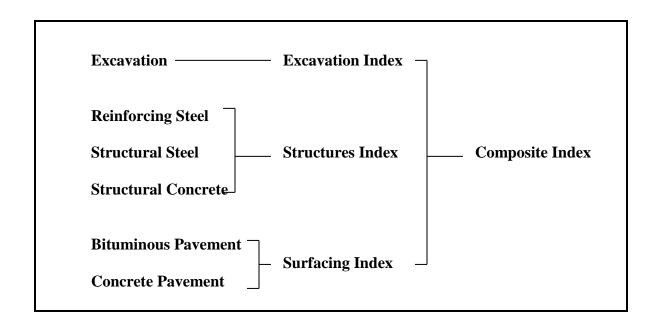
Attachments cc: File



# **Minnesota Construction Cost Index**

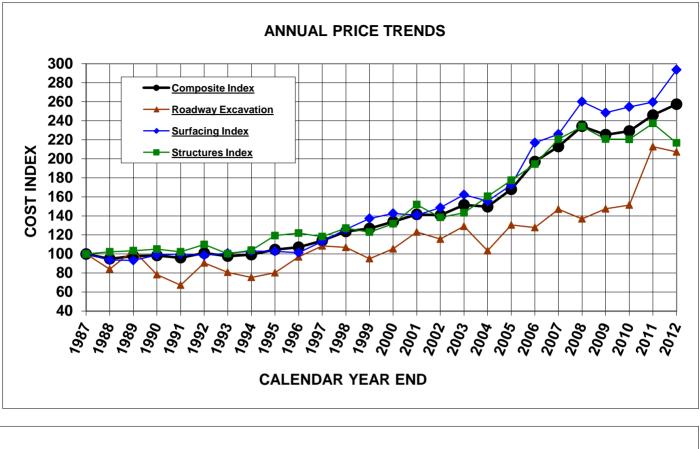
The Minnesota Construction Cost Index is an indicator of price trends for highway construction.

It is composed of six indicator items: roadway excavation, to indicate the price trends for all roadway excavation; concrete pavement and plant-mixed bituminous, to indicate the price trend for all surfacing types; and reinforcing steel, structural steel, and structural concrete, to indicate the price trend for structures.



Each quarter, an average unit price is computed for each indicator item. The unit price is based upon the actual bids from projects **excluding Design Build projects**, costing more than \$100,000, and let during that quarter. These unit prices include the cost of material, labor, equipment, overhead and profit.

These unit prices along with the 1987 base unit prices and quantities are used to compute the Excavation, Surfacing, Structures and Composite Index.



## Minnesota Highway Construction Cost Trends

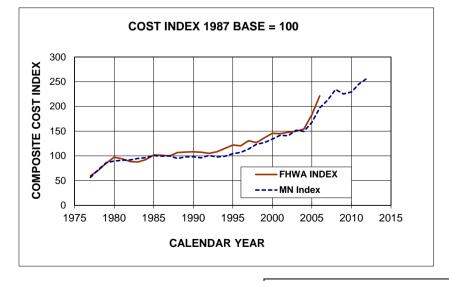


### NOTE: In 2007, the FHWA stopped collecting Price Trend data,

and no longer provide the reports necessary to complete the comparison graphs.

| Year End     | FHWA Index     | MN Index       |
|--------------|----------------|----------------|
| 1975         |                |                |
| 1976         |                |                |
| 1977         | 59.80          | 56.40          |
| 1978         | 70.70          | 72.10          |
| 1979         | 85.50          | 86.30          |
| 1980         | 97.20          | 89.60          |
| 1981         | 94.20          | 91.20          |
| 1982         | 88.50          | 91.80          |
| 1983<br>1984 | 87.60<br>92.60 | 94.80<br>96.40 |
| 1985         | 102.00         | 100.70         |
| 1985         | 102.00         | 99.60          |
| 1980<br>1987 | 100.00         | 100.00         |
| 1988         | 106.60         | 94.90          |
| 1989         | 107.70         | 94.90<br>97.90 |
| 1990         | 108.50         | 98.40          |
| 1991         | 107.50         | 96.00          |
| 1992         | 105.10         | 101.00         |
| 1993         | 108.30         | 97.70          |
| 1994         | 115.10         | 99.30          |
| 1995         | 121.90         | 104.60         |
| 1996         | 120.20         | 107.10         |
| 1997         | 130.60         | 114.00         |
| 1998         | 126.90         | 123.58         |
| 1999         | 136.50         | 126.75         |
| 2000         | 145.60         | 133.91         |
| 2001         | 144.80         | 141.61         |
| 2002         | 147.90         | 140.73         |
| 2003         | 149.80         | 151.60         |
| 2004         | 154.40         | 149.61         |
| 2005         | 183.60         | 167.97         |
| 2006         | 221.30         | 197.10         |
| 2007         |                | 212.88         |
| 2008         |                | 234.22         |
| 2009         |                | 225.32         |
| 2010         |                | 229.17         |
| 2011         |                | 245.95         |
| 2012         |                | 256.94         |
| 2013         |                |                |
| 2014         |                |                |
| 2015         |                |                |

| HIGHWAY | CONSTRUCTION COST | <u> FINDEX 1987 BASE-100</u> |
|---------|-------------------|------------------------------|
|         |                   |                              |



1987 Base Year = 100 FHWA Index includes projects > \$500,000 Mn/DOT Index includes projects > \$100,000 Revised 5/20/2013

#### MN/DOT COST INDEX

| Year                       | <u>Roadway</u><br>Excavation | Bituminous<br>Surfacing | Concrete<br>Surfacing | Surfacing<br>Index | Reinforce.<br>Steel | Structural<br>Steel | <u>Structural</u><br>Concrete | Structures<br>Index | <u>Composite</u><br>Index |
|----------------------------|------------------------------|-------------------------|-----------------------|--------------------|---------------------|---------------------|-------------------------------|---------------------|---------------------------|
| <u>1987</u>                | 100.00                       | 100.00                  | 100.00                | 100.00             | 100.00              | 100.00              | 100.00                        | 100.00              | 100.00                    |
| <u>1988</u><br>1st Quarter | 66.35                        | 92.87                   | 76.99                 | 89.60              | 108.25              | 113.11              | 91.18                         | 98.44               | 88.98                     |
| 2nd Quarter                | 111.84                       | 96.02                   | 107.04                | 98.29              | 107.22              | 103.87              | 95.60                         | 99.37               | 100.58                    |
| 3rd Quarter                | 87.81                        | 94.14                   | 104.76                | 96.33              | 110.27              | 110.57              | 110.45                        | 110.43              | 99.46                     |
| 4th Quarter                | 89.72                        | 103.63                  |                       | 103.63             | 115.44              | 107.04              | 94.37                         | 100.80              | 100.39                    |
| Year End                   | 84.08                        | 95.68                   | 85.55                 | 93.59              | 109.73              | 109.34              | 97.90                         | 102.26              | 94.90                     |
| <u>1989</u>                |                              |                         |                       |                    |                     |                     |                               |                     |                           |
| 1st Quarter                | 121.34                       | 88.57                   | 92.72                 | 89.42              | 120.87              | 141.72              | 101.41                        | 112.36              | 101.11                    |
| 137.56<br>3rd Quarter      | 70.45<br>137.56              | 90.06<br>107.54         | 87.63<br>135.39       | 89.56<br>113.28    | 108.73<br>116.66    | 102.24<br>107.48    | 98.24<br>94.73                | 101.04<br>101.34    | 90.35<br>113.09           |
| 4th Quarter                | 157.50                       | 91.13                   | 155.55                | 91.13              | 138.53              | 121.78              | 146.33                        | 140.47              | 111.64                    |
| Year End                   | 103.72                       | 92.01                   | 94.50                 | 93.23              | 115.99              | 111.15              | 97.29                         | 103.45              | 97.90                     |
| <u>1990</u>                |                              |                         |                       |                    |                     |                     |                               |                     |                           |
| 1st Quarter                | 75.54                        | 100.19                  | 81.67                 | 96.37              | 115.62              | 140.73              | 102.05                        | 111.55              | 98.06                     |
| 2nd Quarter                | 67.71                        | 96.79                   | 104.57                | 98.39              | 122.11              | 105.43              | 110.57                        | 111.97              | 98.17                     |
| 3rd Quarter                | 97.07                        | 122.17                  | 102.13                | 118.04             | 117.17              | 112.70              | 92.03                         | 100.67              | 109.65                    |
| 4th Quarter                | 66.99                        | 106.72                  | 148.85                | 115.41             | 118.55              | 108.99              | 133.76                        | 126.38              | 111.83                    |
| Year End<br>1991           | 78.30                        | 100.58                  | 97.24                 | 98.89              | 117.48              | 112.81              | 99.09                         | 105.17              | 98.41                     |
| 1st Quarter                | 86.48                        | 103.02                  | 111.23                | 104.71             | 115.23              | 123.22              | 91.37                         | 101.72              | 101.16                    |
| 2nd Quarter                | 67.72                        | 96.75                   | 105.58                | 98.57              | 110.99              | 128.81              | 103.22                        | 109.27              | 97.43                     |
| 3rd Quarter                | 105.04                       |                         |                       |                    | 122.95              |                     | 110.48                        | 113.49              | 110.44                    |
| 4th Quarter                | 47.98                        | 81.65                   | 111.81                | 87.87              | 106.38              | 84.44               | 80.29                         | 86.22               | 81.62                     |
| Year End                   | 67.31                        | 97.72                   | 109.11                | 100.07             | 111.54              | 121.31              | 93.98                         | 102.28              | 96.04                     |
| <u>1992</u>                | 404.00                       | 440.04                  | 00.00                 | 400.44             | 400.40              | 00.00               | 00.74                         | 00.07               | 407.07                    |
| 1st Quarter                | 134.20                       | 110.24                  | 90.36                 | 106.14             | 106.10              | 96.66               | 92.71                         | 96.07               | 107.07                    |
| 2nd Quarter<br>3rd Quarter | 84.69<br>90.06               | 95.94<br>102.36         | 103.65<br>92.40       | 97.53<br>100.31    | 119.25<br>99.53     | 109.95<br>108.35    | 112.93<br>131.75              | 113.67<br>121.22    | 100.67<br>105.29          |
| 4th Quarter                | 99.54                        | 105.41                  | 92.40                 | 105.41             | 105.69              | 91.58               | 116.35                        | 109.83              | 106.01                    |
| Year End                   | 90.60                        | 99.05                   | 97.07                 | 98.64              | 106.37              | 105.54              | 112.38                        | 109.98              | 100.98                    |
| 1993                       |                              |                         |                       |                    |                     |                     |                               |                     |                           |
| 1st Quarter                | 81.02                        | 104.73                  | 87.06                 | 101.08             | 118.06              | 139.75              | 102.08                        | 111.88              | 101.53                    |
| 2nd Quarter                | 81.51                        | 101.97                  | 101.79                | 101.93             | 109.83              | 128.78              | 97.52                         | 105.46              | 100.08                    |
| 3rd Quarter                |                              | 117.01                  |                       | 117.01             | 97.06               |                     | 65.66                         | 73.25               | 100.83                    |
| 4th Quarter                | 73.97                        | 94.47                   | 84.12                 | 92.33              | 119.80              | 112.58              | 104.90                        | 109.22              | 94.91                     |
| Year End<br><b>1994</b>    | 80.75                        | 101.91                  | 96.30                 | 100.75             | 108.13              | 127.30              | 90.07                         | 100.21              | 97.70                     |
| 1st Quarter                | 115.56                       | 97.54                   | 95.57                 | 97.13              | 115.00              | 95.98               | 123.67                        | 120.83              | 107.11                    |
| 2nd Quarter                | 75.92                        | 102.90                  | 104.22                | 103.17             | 114.87              |                     | 109.55                        | 110.84              | 101.09                    |
| 3rd Quarter                | 152.37                       | 109.02                  | 136.56                | 114.70             | 99.78               | 111.66              | 96.09                         | 99.56               | 115.44                    |
| 4th Quarter                | 65.52                        | 110.42                  | 103.89                | 109.08             | 109.23              | 98.51               | 98.97                         | 100.93              | 100.29                    |
| Year End                   | 75.38                        | 102.48                  | 104.96                | 102.99             | 105.52              | 110.88              | 101.55                        | 103.98              | 99.32                     |
| <u>1995</u>                | 95 60                        | 05 52                   | 115 74                | 00.70              | 100 70              | 122.37              | 114 69                        | 117.00              | 103.10                    |
| 1st Quarter<br>2nd Quarter | 85.69<br>71.02               | 95.53<br>99.49          | 115.74                | 99.70<br>99.49     | 120.72<br>121.32    | 132.48              | 114.68<br>117.95              | 117.23<br>121.17    | 102.42                    |
| 3rd Quarter                | 77.42                        | 113.46                  | 111.29                | 113.02             | 151.42              | 132.40              | 144.16                        | 145.92              | 116.46                    |
| 4th Quarter                | 92.70                        | 107.55                  | 109.43                | 107.93             | 121.52              |                     | 111.82                        | 114.16              | 107.29                    |
| Year End                   |                              | 99.81                   | 113.94                | 102.73             | 121.47              | 126.83              | 116.53                        | 119.32              | 104.63                    |
| <u>1996</u>                |                              |                         |                       |                    |                     |                     |                               |                     |                           |
| 1st Quarter                | 83.05                        | 92.20                   | 123.35                | 98.62              | 118.80              | 178.06              | 100.96                        | 118.05              | 102.38                    |
| 2nd Quarter                | 119.58                       | 95.01                   | 113.11                | 98.74              | 130.48              |                     | 127.59                        | 128.29              | 109.88                    |
| 3rd Quarter<br>4th Quarter | 124.27<br>95.12              | 131.87<br>124.66        | 150.79<br>113.40      | 135.77<br>122.34   | 120.96<br>141.02    |                     | 119.41<br>144.36              | 119.79<br>143.55    | 129.72<br>123.91          |
| Year End                   | 97.01                        | 97.12                   | 117.89                | 101.40             | 120.85              | 178.06              | 106.59                        | 121.98              | 107.13                    |
| <u>1997</u>                | 07.01                        | 07.12                   | 111.00                | 101.40             | 120.00              | 110.00              | 100.00                        | 121.00              | 107.10                    |
| 1st Quarter                | 117.41                       | 107.57                  | 112.89                | 108.66             | 117.44              | 93.82               | 125.60                        | 118.39              | 112.93                    |
| 2nd Quarter                | 96.00                        | 107.53                  | 153.26                | 116.96             | 129.60              | 107.48              | 117.89                        | 118.40              | 114.38                    |
| 3rd Quarter                | 122.35                       | 130.99                  |                       | 130.99             | 124.92              | 119.62              | 116.28                        | 118.59              | 125.27                    |
| 4th Quarter                | 127.75                       | 134.59                  | 0.00                  | 134.59             |                     |                     |                               |                     | 132.88                    |
| Year End                   | 108.51                       | 109.84                  | 125.63                | 113.10             | 122.08              | 99.44               | 122.32                        | 118.25              | 114.03                    |
| <u>1998</u><br>1st Quarter | 100.29                       | 124.56                  | 135.20                | 126.75             | 130.86              |                     | 125.58                        | 126.86              | 122.75                    |
| 2nd Quarter                | 104.63                       | 124.50                  | 133.04                | 120.75             | 123.71              |                     | 125.58                        | 120.00              | 122.75                    |
| 3rd Quarter                | 135.95                       | 150.01                  | 129.84                | 145.85             | 133.21              |                     | 126.04                        | 127.51              | 139.40                    |
| 4th Quarter                |                              | 155.16                  |                       | 155.16             | 122.66              | 146.08              | 110.58                        | 119.22              | 140.22                    |
| Year End                   | 106.99                       | 124.06                  | 132.22                | 125.95             | 127.70              | 146.08              | 121.58                        | 127.10              | 123.58                    |
| <u>1999</u>                |                              |                         |                       |                    |                     |                     |                               |                     |                           |
| 1st Quarter                | 90.59                        | 130.95                  | 210.30                | 147.31             | 133.64              |                     | 126.39                        | 128.14              | 133.51                    |
| 2nd Quarter                | 92.34                        | 137.50                  | 139.09                | 137.83             | 121.34              | 460.07              | 121.92                        | 121.78              | 126.58                    |
| 3rd Quarter<br>4th Quarter | 85.22<br>182.25              | 135.66<br>143.08        | 202.56                | 135.66<br>155.34   | 125.58<br>132.10    | 168.87<br>107.12    | 121.78<br>183.75              | 130.81<br>160.00    | 125.78<br>160.66          |
| Year End                   | 95.07                        | 135.87                  | 142.46                | 137.23             | 124.73              | 114.64              | 124.72                        | 122.95              | 126.75                    |
|                            |                              |                         |                       |                    |                     |                     |                               |                     |                           |

## MN/DOT COST INDEX (CONTINUED)

| Year                       | <u>Roadway</u><br>Excavation | Bituminous<br>Surfacing | Concrete<br>Surfacing | Surfacing<br>Index | <u>Reinforce.</u><br>Steel | Structural<br>Steel | Structural<br>Concrete | <u>Structures</u><br>Index | <u>Composite</u><br>Index |
|----------------------------|------------------------------|-------------------------|-----------------------|--------------------|----------------------------|---------------------|------------------------|----------------------------|---------------------------|
| <u>2000</u>                |                              |                         |                       |                    |                            |                     |                        |                            |                           |
| 1st Quarter                | 96.35                        | 141.29                  | 153.08                | 143.73             | 142.36                     | 151.96              | 125.61                 | 133.57                     | 133.77                    |
| 2nd Quarter                | 111.93                       | 138.88                  | 158.17                | 142.86             | 137.49                     | 136.03              | 120.21                 | 126.43                     | 133.33                    |
| 3rd Quarter                | 102.18                       | 128.03                  |                       | 128.03             | 137.29                     |                     | 140.48                 | 139.71                     | 127.13                    |
| 4th Quarter                | 115.61                       | 136.47                  | 170.73                | 143.53             | 149.27                     | 407 50              | 185.41                 | 176.66                     | 148.21                    |
| Year End                   | 105.38                       | 138.87                  | 157.19                | 142.65             | 139.49                     | 137.59              | 127.59                 | 131.71                     | 133.91                    |
| <u>2001</u><br>1st Quarter | 91.27                        | 131.58                  | 133.42                | 131.96             | 166.65                     |                     | 196.86                 | 189.55                     | 141.28                    |
| 2nd Quarter                | 116.05                       | 135.28                  | 149.20                | 138.15             | 135.53                     | 219.62              | 144.03                 | 155.60                     | 140.36                    |
| 3rd Quarter                | 109.17                       | 130.04                  | 154.51                | 135.09             | 140.67                     | 166.76              | 138.68                 | 144.01                     | 134.11                    |
| 4th Quarter                | 157.83                       | 160.90                  | 185.56                | 165.98             | 149.31                     | 86.82               | 158.62                 | 144.16                     | 158.06                    |
| Year End                   | 123.17                       | 137.25                  | 153.92                | 140.69             | 142.53                     | 171.70              | 149.25                 | 151.85                     | 141.61                    |
| 2002                       | 120111                       | 101.20                  | 100.02                | 110100             | 112.00                     |                     | 110.20                 | 101100                     |                           |
| 1st Quarter                | 123.44                       | 147.14                  | 119.78                | 141.50             | 151.68                     | 143.03              | 120.19                 | 130.48                     | 135.49                    |
| 2nd Quarter                | 148.48                       | 149.69                  | 140.07                | 147.71             | 150.31                     | 165.23              | 85.03                  | 112.13                     | 136.82                    |
| 3rd Quarter                |                              | 132.77                  |                       | 132.77             |                            |                     |                        |                            | 132.77                    |
| 4th Quarter                | 95.26                        | 157.12                  | 161.93                | 158.12             | 167.64                     | 154.74              | 158.85                 | 159.88                     | 149.61                    |
| Year End                   | 115.64                       | 150.27                  | 142.16                | 148.60             | 159.74                     | 157.32              | 126.43                 | 138.49                     | 140.73                    |
| 2003                       |                              |                         |                       |                    |                            |                     |                        |                            |                           |
| 1st Quarter                | 119.16                       | 168.38                  | 149.65                | 164.51             | 165.32                     | 124.83              | 149.85                 | 148.55                     | 153.05                    |
| 2nd Quarter                | 149.11                       | 166.29                  | 171.88                | 167.44             | 168.38                     | 109.25              | 130.53                 | 134.34                     | 154.57                    |
| 3rd Quarter                | 126.34                       | 162.12                  | 190.96                | 168.07             | 166.04                     |                     | 161.37                 | 162.50                     | 160.21                    |
| 4th Quarter                | 142.18                       | 144.11                  |                       | 144.11             | 162.08                     | 139.53              | 213.05                 | 189.98                     | 159.77                    |
| Year End                   | 129.12                       | 163.83                  | 156.17                | 162.25             | 166.37                     | 116.91              | 143.23                 | 143.23                     | 151.60                    |
| 2004                       |                              |                         |                       |                    |                            |                     |                        |                            |                           |
| 1st Quarter                | 89.34                        | 157.99                  | 145.67                | 155.45             | 184.40                     | 166.06              | 166.16                 | 169.78                     | 150.36                    |
| 2nd Quarter                | 101.93                       | 156.99                  | 153.21                | 156.21             | 193.40                     |                     | 135.92                 | 149.83                     | 146.23                    |
| 3rd Quarter                | 156.87                       | 173.66                  | 220.06                | 183.23             | 231.70                     | 126.15              | 253.80                 | 226.99                     | 192.95                    |
| 4th Quarter                | 171.37                       | 153.88                  | 126.70                | 148.28             | 175.45                     | 195.43              | 146.69                 | 160.98                     | 155.53                    |
| Year End                   | 103.48                       | 159.35                  | 141.15                | 155.60             | 191.19                     | 162.96              | 150.02                 | 160.50                     | 149.61                    |
| 2005                       | 01.05                        | 150.25                  | 221.20                | 170 10             | 206 72                     | 004.07              | 176.00                 | 201.24                     | 160 57                    |
| 1st Quarter                | 91.95                        | 159.35                  | 221.30<br>230.40      | 172.12             | 206.72                     | 281.37              | 176.99                 | 201.24                     | 169.57<br>173.44          |
| 2nd Quarter                | 152.75<br>135.85             | 163.52<br>214.40        | 173.97                | 177.31<br>206.06   | 206.89<br>195.34           | 201.87<br>199.90    | 159.27<br>158.17       | 176.24<br>172.91           | 185.71                    |
| 3rd Quarter<br>4th Quarter | 131.93                       | 214.40                  | 175.97                | 200.00             | 219.49                     | 199.90              | 192.75                 | 199.22                     | 193.94                    |
| Year End                   | 130.43                       | 169.66                  | 183.55                | 172.53             | 202.26                     | 201.13              | 162.78                 | 177.39                     | 167.97                    |
| 2006                       | 100.40                       | 105.00                  | 105.55                | 172.55             | 202.20                     | 201.15              | 102.70                 | 111.55                     | 107.57                    |
| 1st Quarter                | 179.64                       | 216.37                  | 168.40                | 206.48             | 209.17                     | 167.23              | 196.99                 | 194.19                     | 198.82                    |
| 2nd Quarter                | 137.70                       | 241.00                  | 191.38                | 230.77             | 192.81                     | 194.21              | 184.52                 | 187.87                     | 204.11                    |
| 3rd Quarter                | 137.17                       | 217.53                  | *                     | **                 | 257.26                     | *                   | 230.67                 | **                         | **                        |
| 4th Quarter                | 95.01                        | 228.13                  | *                     | **                 | 247.81                     | *                   | 212.00                 | **                         | **                        |
| Year End                   | 127.80                       | 228.04                  | 173.91                | 216.88             | 205.99                     | 183.53              | 193.74                 | 194.39                     | 197.10                    |
| 2007                       |                              |                         |                       |                    |                            |                     |                        |                            |                           |
| 1st Quarter                | 190.17                       | 255.61                  | 222.49                | 248.78             | 236.81                     | 283.08              | 202.21                 | 223.31                     | 232.47                    |
| 2nd Quarter                | 114.76                       | 224.06                  | 155.14                | 209.85             | 221.84                     | 187.19              | 214.66                 | 211.27                     | 196.60                    |
| 3rd Quarter                | * /**                        | 213.40                  | *                     | **                 | *                          | *                   | *                      | **                         | **                        |
| 4th Quarter                | 117.03                       | 209.36                  | *                     | **                 | *                          | *                   | *                      | **                         | **                        |
| Year End                   | 147.02                       | 232.91                  | 198.59                | 225.84             | 233.69                     | 262.24              | 204.79                 | 220.64                     | 212.88                    |
| 2008                       |                              |                         |                       |                    |                            | *                   |                        | **                         | **                        |
| 1st Quarter                | 143.43                       | 235.23                  | 361.90                | 261.34             | 409.19                     |                     | 189.70                 |                            |                           |
| 2nd Quarter                | 134.37<br>* /**              | 278.48                  | 170.51                | 256.22             | 286.47                     | 267.39              | 199.61                 | 228.83                     | 230.20                    |
| 3rd Quarter                | 217.71                       | 314.60                  | *                     | **                 | 295.44<br>242.71           | 215.32              | 196.42<br>187.20       | 219.48                     | **                        |
| 4th Quarter<br>Year End    | 136.85                       | 350.82<br>282.00        | 175.62                | 260.06             | 349.63                     | 239.92              | 195.24                 | 233.87                     | 234.22                    |
| 2009                       | 150.05                       | 202.00                  | 175.02                | 200.00             | 349.03                     | 255.52              | 155.24                 | 200.07                     | 204.22                    |
| 1st Quarter                | 130.35                       | 267.53                  | 179.27                | 249.34             | 212.65                     | 703.64              | 212.26                 | 298.60                     | 247.42                    |
| 2nd Quarter                | 205.07                       | 254.33                  | 210.92                | 245.38             | 220.70                     | 249.11              | 218.60                 | 224.37                     | 233.08                    |
| 3rd Quarter                | * /**                        | 293.20                  | *                     | **                 | *                          | *                   | *                      | **                         | **                        |
| 4th Quarter                | 255.96                       | 266.65                  | 174.42                | 247.63             | 202.59                     | *                   | 211.65                 | **                         | **                        |
| Year End                   | 147.46                       | 265.08                  | 184.33                | 248.43             | 213.94                     | 252.12              | 214.03                 | 220.70                     | 225.32                    |
| 2010                       |                              |                         |                       |                    |                            |                     |                        |                            |                           |
| 1st Quarter                | 118.81                       | 297.94                  | 155.03                | 268.47             | 215.46                     | 171.69              | 212.82                 | 206.13                     | 227.65                    |
| 2nd Quarter                | 207.89                       | 271.58                  | 181.95                | 253.10             | 226.17                     | 253.31              | 208.48                 | 219.88                     | 236.32                    |
| 3rd Quarter                | 266.22                       | 268.87                  | *                     | **                 | *                          | *                   | *                      | **                         | **                        |
| 4th Quarter                | 263.08                       | 260.16                  | 186.16                | 244.90             | 222.91                     | 197.32              | 245.20                 | 232.35                     | 243.64                    |
| Year End                   | 151.35                       | 277.15                  | 167.66                | 254.58             | 222.32                     | 197.81              | 226.24                 | 220.47                     | 229.17                    |
| <u>2011</u>                |                              |                         |                       |                    |                            |                     |                        |                            |                           |
| 1st Quarter                | 282.29                       | 277.18                  | 138.12                | 248.51             | 267.60                     | *                   | 233.93                 | **                         | **                        |
| 2nd Quarter                | 187.26                       | 289.19                  | 147.37                | 259.95             | 249.70                     | 216.82              | 236.44                 | 235.64                     | 241.97                    |
| 3rd Quarter                | 206.87                       | 306.20                  | 130.31                | 269.94             | *                          | *                   | *                      | **                         | **                        |
| 4th Quarter                | 290.62                       | 311.17                  | 161.76                | 280.36             | 253.69                     | *                   | 261.73                 | **                         | **                        |
| Year End                   | 212.74                       | 289.32                  | 145.22                | 259.61             | 254.49                     | 216.82              | 237.48                 | 237.25                     | 245.95                    |
| 2012                       | 400.40                       | 000.00                  | 404.44                | 000 50             | 000.00                     | *                   | 074 47                 | **                         | **                        |
| 1st Quarter                | 168.12                       | 330.92                  | 164.11                | 296.53             | 282.92                     | *                   | 274.47                 | **                         | **                        |
| 2nd Quarter                | 251.04                       | 318.01                  | 191.58                | 291.94             | 267.40                     | *                   | 218.35                 | **                         | **                        |
| 3rd Quarter<br>4th Quarter | 220.88<br>206.53             | 351.69<br>308.84        | 154.88<br>260.42      | 311.11<br>298.86   | 228.22<br>260.22           | 221.19              | 193.13                 |                            | 258.54                    |
| Year End                   | 206.53 207.23                | 308.84<br>322.38        | 260.42<br>182.48      | 298.86<br>293.54   | 260.22<br>261.73           | 221.19<br>221.19    | 201.04                 | 211.43<br>216.68           | 258.54<br>257.36          |
|                            | 201.20                       | 022.00                  | 102.40                | 200.04             | 201.10                     | 221.10              | 201.04                 | 210.00                     | 207.00                    |

\* No information available \*\*Not computed due to the absence of data for indicator item(s).