

California Department of Transportation

Price Index for Selected Highway Construction Items
Second Quarter Ending June 30, 2022

SUMMARY

| | |
|-----------------------------------------------|--------|
| Index this quarter | 94.48 |
| Point change from last quarter | -3.5 |
| Percentage change from last quarter | -3.50% |
| Index last 12 months | 83.5 |
| Point change from previous report | -1.74 |
| Percentage change from previous report | -2.00% |
| Average number of bidders this quarter | 4.7 |
| Change in number of bidders from last quarter | -0.7 |

Notes: Price indices are computed using the Fisher formula and base year 2020.

Prepared by:

Office of Construction Contract Awards
Division of Engineering Services – Program/Project Management and Office Engineer
1727 30th Street, 2nd Floor (MS43)
Sacramento, California 95816
Date: 07/19/2022



California Department of Transportation

Price Index for Selected Highway Construction Items
2nd Quarter Ending June 30, 2022

Prepared by Division of Engineering Services - Office Engineer

NOTE: All information shown in the publication was assembled using the 2020 base year.

The California Price Index for Selected Highway Construction Items for the second quarter of 2022 stands at 94.48, down 3.5 points (3.5 percent) from the first quarter of 2022 index of 97.94. The index for the last twelve months (July 1, 2021, through June 30, 2022) is 83.50, down 1.74 points (2.0 percent) from the first quarter of 2022 year-to-date index of 85.24.

Cost increases were recorded in Aggregate Base, Asphalt Concrete Pavement, Portland Cement Concrete (Pavement), Portland Cement Concrete (Structure), Bar Reinforcing Steel, and Structural Steel in the second quarter.

Cost decreases were recorded in Roadway Excavation in the second quarter.

The average number of bidders per project in the second quarter of 2022 was 4.7, as compared to 5.4 in the first quarter of 2022 and 5.20 in the corresponding quarter of 2021.

Projects Bid Opened
2nd Quarter of 2022 (04/01/2022 to 06/30/2022)

| Engineer's Estimate Range (by \$) | Number of Projects | % of Projects | Total Dollar Value for Projects in this Engineer's Estimate Range | % of Total Cost |
|-----------------------------------|--------------------|---------------|-------------------------------------------------------------------|-----------------|
| Up to \$50,000 | 0 | 0.00% | 0 | 0.00% |
| \$50,000 to \$100,000 | 0 | 0.00% | 0 | 0.00% |
| \$100,000 to \$250,000 | 0 | 0.00% | 0 | 0.00% |
| \$250,000 to \$500,000 | 11 | 6.36% | \$4,294,849.32 | 0.63% |
| \$500,000 to \$1,000,000 | 44 | 25.43% | \$34,140,831.30 | 4.97% |
| \$1,000,000 to \$2,500,000 | 55 | 31.79% | \$87,939,129.99 | 12.81% |
| \$2,500,000 to \$5,000,000 | 33 | 19.08% | \$114,419,772.45 | 16.67% |
| \$5,000,000 and above | 30 | 17.34% | \$445,755,635.75 | 64.93% |
| Total | 173 | 100% | \$686,550,218.81 | 100% |

Construction Item Costs Based on English Units

(Average prices are calculated using all bidders' prices for the selected bid items for all contracts that bid opened that quarter.)

Roadway Excavation: \$14.29 per cubic yard-OK

The price decreased \$9.46 from the average price of \$23.75 per cubic yard last quarter. The bid prices ranged from \$1.00 to \$2,500.00 per cubic yard.

Aggregate Base: \$43.80 per ton

The price increased \$3.80 from the average price of \$40.00 per ton last quarter. The bid prices ranged from \$10.33 to \$7,236.84 per ton.

Asphalt Concrete Pavement: \$144.68 per ton-OK

The price increased \$29.56 from the average price of \$115.12 per ton last quarter. The bid prices ranged from \$76.00 to \$6,250.00 per ton.

Portland Cement Concrete (Pavement): \$545.23 per cubic yard-OK

The price increased \$101.01 from the average price of \$444.22 per cubic yard last quarter. The bid prices ranged from \$387.00 to \$1275.00 per cubic yard.

Portland Cement Concrete (Structure): \$1,378.86 per cubic yard-OK

The price increased \$305.96 from the average price of \$1,072.90 per cubic yard last quarter. The bid prices ranged from \$500.00 to \$30,300.00 per cubic yard.

Bar Reinforcing Steel: \$2.01 per pound-OK

The price increased \$0.53 from the average price of \$1.48 per pound last quarter. The bid prices ranged from \$1.00 to \$25.00 per pound.

Structural Steel: \$5.54 per pound-OK

The price increased \$1.66 from the average price of \$3.88 per pound last quarter. The bid prices ranged from \$0.27 to \$300.00 per pound.

EXHIBIT A
Price Index for Selected
Highway Construction
Items 2020 = 100,
Fisher formula

| YEAR | INDEX |
|-------------|--------------|
| 1972 | 5.9 |
| 1973 | 5.7 |
| 1974 | 9.1 |
| 1975 | 9 |
| 1976 | 9.2 |
| 1977 | 10.9 |
| 1978 | 12.1 |
| 1979 | 15.8 |
| 1980 | 15.7 |
| 1981 | 19.5 |
| 1982 | 17.4 |
| 1983 | 17.1 |
| 1984 | 20.8 |
| 1985 | 19.7 |
| 1986 | 20 |
| 1987 | 21.4 |
| 1988 | 22.9 |
| 1989 | 24.3 |
| 1990 | 24.2 |
| 1991 | 21.6 |
| 1992 | 22.1 |
| 1993 | 24.6 |
| 1994 | 27 |
| 1995 | 25.5 |
| 1996 | 25.6 |
| 1997 | 26.7 |
| 1998 | 28 |
| 1999 | 30 |
| 2000 | 30.9 |
| 2001 | 33.5 |
| 2002 | 31 |
| 2003 | 32.7 |
| 2004 | 49.5 |
| 2005 | 56.8 |
| 2006 | 58.8 |
| 2007 | 58.5 |
| 2008 | 54.8 |
| 2009 | 46 |
| 2010 | 46 |
| 2011 | 51.6 |

EXHIBIT A
Price Index for Selected
Highway Construction
Items 2020 = 100,
Fisher formula

| YEAR | Quarterly Index | Last 12 Months' Index |
|---------------------------|------------------------|------------------------------|
| 2012 (1st Quarter) | 50.9 | 50.9 |
| 2012 (2nd Quarter) | 53.3 | 49.5 |
| 2012 (3rd Quarter) | 45.3 | 47.6 |
| 2012 (4th Quarter) | 58.8 | 49.8 |
| 2013 (1st Quarter) | 70 | 51.2 |
| 2013 (2nd Quarter) | 83.2 | 52.7 |
| 2013 (3rd Quarter) | 45.5 | 56.4 |
| 2013 (4th Quarter) | 65.9 | 57.1 |
| 2014 (1st Quarter) | 82.21 | 56.87 |
| 2014 (2nd Quarter) | 63.65 | 60.37 |
| 2014 (3rd Quarter) | 65.91 | 63.39 |
| 2014 (4th Quarter) | 75.13 | 64.08 |
| 2015 (1st Quarter) | 96.02 | 62.79 |
| 2015 (2nd Quarter) | 68.73 | 64.82 |
| 2015 (3rd Quarter) | 68.98 | 68.28 |
| 2015 (4th Quarter) | 76.15 | 72.03 |
| 2016 (1st Quarter) | 77.68 | 73.61 |
| 2016 (2nd Quarter) | 79.66 | 76.1 |
| 2016 (3rd Quarter) | 94.08 | 85.39 |
| 2016 (4th Quarter) | 96.91 | 88.01 |
| 2017 (2nd Quarter) | 99.73 | 91.39 |
| 2017 (2nd Quarter) | 100.34 | 93.19 |
| 2017 (3rd Quarter) | 87.92 | 94.75 |
| 2017 (4th Quarter) | 80.72 | 88.56 |
| 2018 (1st Quarter) | 93.94 | 88.61 |
| 2018 (2nd Quarter) | 100.74 | 89.49 |
| 2018 (3rd Quarter) | 103.52 | 92.63 |
| 2018 (4th Quarter) | 106.04 | 99.25 |
| 2019 (1st Quarter) | 84.19 | 92.95 |
| 2019 (2nd Quarter) | 118.85 | 105.83 |
| 2019 (3rd Quarter) | 111.87 | 95.99 |
| 2019 (4th Quarter) | 94.63 | 94.26 |
| 2020 (1st Quarter) | 120.02 | 105.18 |
| 2020 (2nd Quarter) | 91.97 | 101.18 |
| 2020 (3rd Quarter) | 102.06 | 99.64 |
| 2020 (4th Quarter) | 102.38 | 100 |
| 2021 (1st Quarter) | 85.13 | 89.8 |
| 2021 (2nd Quarter) | 103.39 | 91.96 |
| 2021 (3rd Quarter) | 83.72 | 86.31 |
| 2021 (4th Quarter) | 84.17 | 82.1 |
| 2022 (1st Quarter) | 97.94 | 85.24 |
| 2022 (2nd Quarter) | 94.48 | 83.5 |
| 2022 (3rd Quarter) | N. A. | N. A. |
| 2022 (4th Quarter) | N. A. | N. A. |

EXHIBIT B
California Department of
Transportation Average Highway
Contract Prices (English Units)

| Year | Roadway Excavation (\$/CY) | Aggregate Base (\$/ton) | Asphalt Concrete Pavement (\$/ton) | PCC Pavement (\$/CY) | PCC Structure (\$/CY) | Bar Reinforcing Steel (\$/lb) | Structural Steel (\$/lb) |
|------------------|----------------------------------|-------------------------------|---------------------------------------------|----------------------------|-----------------------------|-------------------------------------|-----------------------------|
| 1972 | 0.95 | 3.21 | 8.22 | 19.23 | 82.08 | 0.159 | 0.446 |
| 1973 | 0.75 | 3.14 | 9.02 | 19.24 | 93.6 | 0.169 | 0.635 |
| 1974 | 1.26 | 4.23 | 13.01 | 28.59 | 115.19 | 0.329 | 0.987 |
| 1975 | 1.19 | 4.7 | 14.24 | 30.63 | 132.1 | 0.239 | 0.838 |
| 1976 | 1.32 | 4.7 | 13.67 | 29.64 | 143.05 | 0.223 | 0.504 |
| 1977 | 1.76 | 5.44 | 15.15 | 35.17 | 150.03 | 0.239 | 1.228 |
| 1978 | 1.85 | 6.18 | 17.7 | 41.77 | 180.77 | 0.276 | 0.814 |
| 1979 | 2.36 | 7.49 | 22.4 | 52.39 | 234.24 | 0.383 | 1.96 |
| 1980 | 2.1 | 8.38 | 25.51 | 55.18 | 235.45 | 0.378 | 1.942 |
| 1981 | 3.14 | 8.63 | 28.53 | 59.45 | 226.84 | 0.386 | 2.091 |
| 1982 | 2.58 | 7.56 | 24.69 | 57.1 | 224.72 | 0.32 | 2.155 |
| 1983 | 2.1 | 9.2 | 27.57 | 52.04 | 225.84 | 0.335 | 2.155 |
| 1984 | 3.19 | 13.67 | 28.38 | 55.79 | 238.48 | 0.375 | 2.155 |
| 1985 | 2.77 | 11.55 | 30.15 | 64.13 | 232.39 | 0.413 | 2.288 |
| 1986 | 3.01 | 12.76 | 28.82 | 60.49 | 249.74 | 0.412 | 2.388 |
| 1987 | 2.97 | 17.57 | 27.54 | 70.62 | 280.4 | 0.418 | 2.546 |
| 1988 | 4.16 | 10.13 | 27.46 | 58.66 | 284.55 | 0.44 | 3.956 |
| 1989 | 4.19 | 10.62 | 29.43 | 73.78 | 303.49 | 0.483 | 3.103 |
| 1990 | 4.73 | 12.05 | 30.77 | 68.93 | 295.24 | 0.469 | 2.209 |
| 1991 | 3.08 | 10.07 | 33.43 | 62.64 | 295.21 | 0.431 | 2.284 |
| 1992 | 3.62 | 9.76 | 32.46 | 66.78 | 265.31 | 0.419 | 3.073 |
| 1993 | 4.53 | 9.89 | 35.41 | 66.76 | 243.79 | 0.464 | 2.706 |
| 1994 | 4.68 | 10.39 | 37.15 | 66.45 | 277.92 | 0.547 | 2.334 |
| 1995 | 4.1 | 10.18 | 35.29 | 63.85 | 298.8 | 0.499 | 2.266 |
| 1996 | 3.8 | 9.74 | 37.66 | 65.93 | 321.88 | 0.512 | 2.172 |
| 1997 | 5.25 | 10.29 | 36.07 | 78.48 | 308.54 | 0.496 | 2.337 |
| 1998 | 4.95 | 11.55 | 38.78 | 75.91 | 319.95 | 0.553 | 2.595 |
| 1999 | 6.55 | 12.86 | 40.14 | 77.95 | 321.22 | 0.521 | 3.215 |
| 2000 | 6.21 | 11.14 | 45.12 | 78.14 | 363.59 | 0.507 | 2.754 |
| 2001 | 5.83 | 14.58 | 43.89 | 75.74 | 425.17 | 0.612 | 3.906 |
| 2002 | 4.84 | 12.42 | 49 | 74.15 | 363.5 | 0.508 | 3.248 |
| 2003 | 5.05 | 15.05 | 48.35 | 109.96 | 362.75 | 0.6 | 1.71 |
| 2004 | 13.11 | 16.97 | 53.55 | 135.94 | 399.64 | 0.947 | 5.39 |
| 2005 | 14.13 | 20.61 | 75.72 | 171.22 | 567.31 | 0.968 | 2.666 |
| 2006 | 12.8 | 20.26 | 86.04 | 179.67 | 630.16 | 1.039 | 3.734 |
| 2007 | 10.84 | 20.54 | 85.48 | 204.69 | 566.25 | 0.935 | 6.966 |
| 2008 | 11.39 | 17.9 | 78.5 | 177.91 | 553.62 | 0.938 | 5.183 |
| 2009 | 9.37 | 14.91 | 80.38 | 125.41 | 484.78 | 0.593 | 4.492 |
| 2010 1st Quarter | 26.7 | 21.79 | 85.51 | 116.22 | 609.73 | 0.775 | 3.999 |

| Year | Roadway Excavation (\$/CY) | Aggregate Base (\$/ton) | Asphalt Concrete Pavement (\$/ton) | PCC Pavement (\$/CY) | PCC Structure (\$/CY) | Bar Reinforcing Steel (\$/lb) | Structural Steel (\$/lb) |
|------------------|----------------------------|-------------------------|------------------------------------|----------------------|-----------------------|-------------------------------|--------------------------|
| 2010 2nd Quarter | 11.79 | 14.49 | 86.3 | 148.42 | 419.24 | 0.673 | 1.958 |
| 2010 3rd Quarter | 5.49 | 16.61 | 75 | 131.73 | 434.65 | 0.669 | 8.227 |
| 2010 4th Quarter | 7.67 | 12.81 | 76.54 | 112.71 | 547.98 | 0.788 | 1.826 |
| Year 2010 | 7.94 | 14.2 | 80.25 | 122.82 | 483.64 | 0.716 | 2.149 |
| 2011 1st Quarter | 11.37 | 11.79 | 84.6 | 150.76 | 431.25 | 0.87 | 7.212 |
| 2011 2nd Quarter | 9.71 | 16.5 | 93.35 | 120.87 | 487.87 | 0.791 | 2.328 |
| 2011 3rd Quarter | 11.56 | 15.34 | 97.53 | 143.76 | 421.5 | 0.891 | 7.255 |
| 2011 4th Quarter | 13.51 | 14.49 | 81.33 | 147.29 | 335.31 | 0.9 | 2.023 |
| Year 2011 | 11.82 | 14.12 | 87.11 | 135.4 | 427.76 | 0.83 | 2.102 |
| 2012 1st Quarter | 8.34 | 16.43 | 99.7 | 117.18 | 506.31 | 0.878 | 2.858 |
| 2012 2nd Quarter | 5.87 | 13.03 | 97.06 | 143.19 | 465.09 | 1.008 | 20 |
| 2012 3rd Quarter | 7.39 | 13.77 | 72.92 | 138.7 | 454.53 | 0.907 | 1.895 |
| 2012 4th Quarter | 12.73 | 17.77 | 94.41 | 153.24 | 458.51 | 0.952 | 2.586 |
| Year 2012 | 8.24 | 14.66 | 89.36 | 132.52 | 461.23 | 0.927 | 2.497 |
| 2013 1st Quarter | 13.98 | 34.74 | 102.58 | 135.96 | 731.69 | 1.292 | 11.018 |
| 2013 2nd Quarter | 20.54 | 24.91 | 97.14 | 470 | 704.67 | 1.456 | 5.263 |
| 2013 3rd Quarter | 5.47 | 16.32 | 100.47 | 172.27 | 502.1 | 0.912 | 17.647 |
| 2013 4th Quarter | 16.8 | 25.14 | 110.07 | 159.5 | 462.23 | 0.943 | 8 |
| Year 2013 | 8.98 | 18.6 | 100.11 | 157.26 | 538.01 | 1.01 | 5.57 |
| 2014 1st Quarter | 22.47 | 27.26 | 103.56 | 242.47 | 771.12 | 1.084 | 3.21 |
| 2014 2nd Quarter | 15.797 | 21.58 | 89.358 | 188.39 | 538.387 | 1.049 | 7.998 |
| 2014 3rd Quarter | 14.51 | 18.14 | 81.85 | 227.8 | 750.82 | 1.16 | 13.88 |
| 2014 4th Quarter | 17.2 | 25.44 | 113.1 | 166.23 | 582.22 | 1.18 | 15.44 |
| Year 2014 | 17.49 | 23.1 | 96.97 | 206.22 | 660.64 | 1.12 | 10.132 |
| 2015 1st Quarter | 17.4 | 25.55 | 116.21 | 166.41 | 588.18 | 1.21 | 16.46 |
| 2015 2nd Quarter | 14.2 | 21.6 | 106.85 | 170.56 | 579.43 | 1.16 | 14.77 |
| 2015 3rd Quarter | 14.28 | 19.72 | 84.2 | 219.78 | 754.11 | 1.16 | 14.63 |
| 2015 4th Quarter | 17.6 | 24.55 | 113.1 | 219.82 | 689.72 | 1.27 | 16.32 |
| Year 2015 | 15.87 | 22.85 | 105.09 | 194.14 | 652.86 | 1.2 | 15.54 |
| 2016 1st Quarter | 18.1 | 23.3 | 121 | 194 | 644 | 1.41 | 17.82 |
| 2016 2nd Quarter | 19.3 | 22.4 | 119 | 202 | 648 | 1.74 | 19.33 |
| 2016 3rd Quarter | 23.4 | 26.1 | 122.6 | 228 | 761 | 1.65 | 20.7 |
| 2016 4th Quarter | 23.6 | 28.2 | 123.1 | 219.3 | 758.9 | 1.67 | 20.62 |
| Year 2016 | 21.1 | 25 | 121.43 | 210.83 | 702.98 | 1.62 | 19.62 |
| 2017 1st Quarter | 25.27 | 29.44 | 126.15 | 221.71 | 763.32 | 1.81 | 22.26 |
| 2017 2nd Quarter | 26.4 | 29.44 | 103.4 | 640 | 1131.86 | 1.27 | 10.87 |
| 2017 3rd Quarter | 29.04 | 30.46 | 100.84 | 336.72 | 678.1 | 1.04 | 3.9 |
| 2017 4th Quarter | 20.94 | 34.91 | 87.35 | 545.98 | 993.48 | 1.01 | 1.44 |
| Year 2017 | 25.41 | 31.06 | 104.44 | 436.1 | 891.69 | 1.28 | 9.62 |
| 2018 1st Quarter | 30.2 | 30.7 | 106.49 | 369.64 | 772.69 | 1.11 | 3.93 |
| 2nd Quarter 2018 | 27.49 | 35.86 | 120 | 659.11 | 685.3 | 1.54 | 6.94 |
| 2018 3rd Quarter | 28.89 | 36.27 | 105.17 | 831.46 | 1,260.38 | 1.4 | 2.95 |
| 2018 4th Quarter | 34.29 | 44.87 | 114.8 | 336.48 | 1,462.82 | 1.55 | 2 |
| Year 2018 | 30.22 | 36.93 | 111.62 | 549.17 | 1,045.30 | 1.4 | 3.96 |

| Year | Roadway Excavation (\$/CY) | Aggregate Base (\$/ton) | Asphalt Concrete Pavement (\$/ton) | PCC Pavement (\$/CY) | PCC Structure (\$/CY) | Bar Reinforcing Steel (\$/lb) | Structural Steel (\$/lb) |
|------------------|----------------------------------|-------------------------------|---------------------------------------------|----------------------------|-----------------------------|-------------------------------------|-----------------------------|
| 2019 1st Quarter | 21.51 | 32.43 | 99.33 | 306.84 | 875.89 | 1.29 | 2.56 |
| 2019 2nd Quarter | 36.11 | 36.78 | 120.18 | 238.1 | 969.36 | 4.93 | 5.09 |
| 2019 3rd Quarter | 33.3 | 45.11 | 101.7 | 984.84 | 1408.72 | 1.2 | 4.83 |
| 2019 4th Quarter | 30.48 | 40.19 | 110.12 | 423.21 | 750.99 | 1.17 | 3.49 |
| Year 2019 | 30.35 | 38.63 | 107.83 | 488.25 | 1,001.24 | 2.15 | 3.99 |
| 2020 1st Quarter | 41.24 | 50.21 | 122.26 | 367.67 | 1,470.46 | 1.79 | 4.23 |
| 2020 2nd Quarter | 28.99 | 30.94 | 108.64 | 378.21 | 731.58 | 1.22 | 2.45 |
| 2020 3rd Quarter | 31.21 | 49.55 | 104.86 | 330.3 | 1,340.92 | 1.3 | 3.89 |
| 2020 4th Quarter | 39.26 | 46.79 | 116.26 | 275.97 | 864.43 | 1.17 | 3.92 |
| Year 2020 | 35.18 | 44.37 | 113.01 | 388.04 | 1,101.85 | 1.37 | 3.62 |
| 2021 1st Quarter | 28.78 | 28.9 | 88.54 | 216.59 | 1,096.79 | 1.19 | 5.55 |
| 2021 2nd Quarter | 34.05 | 35.98 | 106.04 | 358.19 | 1,189.38 | 1.33 | 4.29 |
| 2021 3rd Quarter | 21.56 | 32.01 | 95.39 | 208.67 | 1,852.58 | 1.77 | 1.79 |
| 2021 4th Quarter | 17.15 | 31.78 | 100.35 | 461.67 | 1303.43 | 1.53 | 3.55 |
| Year 2021 | 25.39 | 32.17 | 97.58 | 311.28 | 1,360.55 | 1.46 | 3.8 |
| 2022 1st Quarter | 23.75 | 40 | 115.12 | 444.22 | 1,072.90 | 1.48 | 3.88 |
| 2022 2nd Quarter | 14.29 | 43.8 | 144.68 | 545.23 | 1,378.86 | 2.01 | 5.54 |
| 2022 3rd Quarter | N. A. | N. A. | N. A. | N. A. | N. A. | N. A. | N. A. |
| 2022 4th Quarter | N. A. | N. A. | N. A. | N. A. | N. A. | N. A. | N. A. |
| Year 2022 | N. A. | N. A. | N. A. | N. A. | N. A. | N. A. | N. A. |