

## Bridge Construction Costs (2017 Dollars)

| Bridge Description   | Avg. Cost (S.F. Deck Area) |
|--|----------------------------|
| Single Span PCI Beams on End Bents   | \$225.00                   |
| Single Span Spread Box Beams on End Bents  | \$182.00                   |
| Single Span Side By Side Box Beams on End Bents  | \$220.00                   |
| Single Span PCI Beams on Breastwall Abutments  | \$290.00                   |
| Single Span Spread Box Beams on Breastwall Abutments   | \$240.00                   |
| Single Span Side By Side Box Beams on Breastwall Abutments   | \$270.00                   |
| Single Span Slab Bridge on Breastwall Abutments  | \$285.00                   |
| Multi-Span Bridge Costs are appropriate for Bridges with Lengths Greater than 200ft. A multi-span bridge with Lengths less than 200ft should use an average between the single span and multi span prices. |                            |
| Multi-Span PCI Beams on End Bents  | \$130.00                   |
| Multi-Span Spread Box Beams on End Bents   | \$160.00                   |
| Multi-Span Side By Side Box Beams on End Bents   | \$200.00                   |
| Multi-Span Spread Box Beams on Breastwall Abutments  | \$200.00                   |
| Multi-Span Side By Side Box Beams on Breastwall Abutments  | \$220.00                   |
| Welded Steel Plate Girders   | \$250.00                   |
| Cost Data Using 2017 Dollars.  |                            |
| Increase cost by 5% every year if using Turner Building Cost Index.  |                            |
| Increase cost by 13% per year if using Avg. Increase of 2014-2017  |                            |

## Reinforced Concrete Box Culvert Construction Costs (2017 Dollars)

| Culvert Box Width   | Fill Height<br>(Over Top<br>Slab) | Avg. Cost<br>(C.F.) | Maximum Cost (C.F.) | Minimum Cost<br>(C.F.) |
|---|-----------------------------------|---------------------|---------------------|------------------------|
| 4ft   | 0ft to 5ft                        | \$55.00             | \$110.00            | \$24.00                |
|   | 5ft to 10ft                       | \$70.00             | \$152.00            | \$62.00                |
|   | 10ft to 20ft                      | \$20.00             | \$123.00            | \$16.00                |
|   | > 20ft                            | \$42.00             | \$103.00            | \$29.00                |
| 5ft   | 0ft to 5ft                        | \$70.00             | \$134.00            | \$32.00                |
|   | 5ft to 10ft                       | \$49.00             | \$178.00            | \$21.00                |
|   | 10ft to 20ft                      | \$28.00             | \$42.00             | \$22.00                |
|   | > 20ft                            | \$40.00             | \$86.00             | \$23.00                |
| 6ft   | 0ft to 5ft                        | \$42.00             | \$67.00             | \$20.00                |
|   | 5ft to 10ft                       | \$35.00             | \$56.00             | \$19.00                |
|   | 10ft to 20ft                      | \$24.00             | \$120.00            | \$22.00                |
|   | > 20ft                            | \$30.00             | \$56.00             | \$24.00                |
| 7ft   | 0ft to 5ft                        | \$51.00             | \$74.00             | \$28.00                |
|   | 5ft to 10ft                       | \$28.00             | \$31.00             | \$18.00                |
|   | 10ft to 20ft                      | \$26.00             | \$31.00             | \$24.00                |
|   | > 20ft                            | \$24.00             | \$33.00             | \$20.00                |
| 8ft   | 0ft to 5ft                        | \$32.00             | \$47.00             | \$17.00                |
|   | 5ft to 10ft                       | \$24.00             | \$71.00             | \$13.00                |
|   | 10ft to 20ft                      | \$25.00             | \$49.00             | \$12.00                |
|   | > 20ft                            | \$32.00             | \$55.00             | \$19.00                |
| 9ft   | 0ft to 5ft                        | \$57.00             | \$63.00             | \$34.00                |
|   | 5ft to 10ft                       | \$18.00             | \$32.00             | \$15.00                |
|   | 10ft to 20ft                      | \$19.00             | \$21.00             | \$14.00                |
|   | > 20ft                            | \$28.00             | \$30.00             | \$25.00                |
| 10ft  | 0ft to 5ft                        | \$27.00             | \$42.00             | \$15.00                |
|   | 5ft to 10ft                       | \$18.00             | \$52.00             | \$22.00                |
|   | 10ft to 20ft                      | \$17.00             | \$50.00             | \$15.00                |
|   | > 20ft                            | \$31.00             | \$61.00             | \$15.00                |
| 12ft  | 0ft to 5ft                        | \$23.00             | \$81.00             | \$23.00                |
|   | 5ft to 10ft                       | \$25.00             | \$132.00            | \$17.00                |
|   | 10ft to 20ft                      | \$17.00             | \$25.00             | \$16.00                |
|   | > 20ft                            | \$15.00             | \$37.00             | \$15.00                |
| 14ft  | 0ft to 5ft                        | \$19.00             | \$34.00             | \$18.00                |
|   | 5ft to 10ft                       | \$15.00             | \$31.00             | \$18.00                |
|   | 10ft to 20ft                      | \$26.00             | \$79.00             | \$22.00                |
|   | > 20ft                            | \$25.00             | \$70.00             | \$20.00                |
| 16ft  | 0ft to 5ft                        | \$25.00             | \$31.00             | \$23.00                |
|   | 5ft to 10ft                       | \$24.00             | \$41.00             | \$10.00                |
|   | 10ft to 20ft                      | \$37.00             | \$62.00             | \$17.00                |
|   | > 20ft                            | \$50.00             | \$83.00             | \$23.00                |
| 20ft  | 0ft to 5ft                        | \$25.00             | \$41.00             | \$20.00                |
|   | 5ft to 10ft                       | \$27.00             | \$46.00             | \$20.00                |
|   | 10ft to 20ft                      | \$35.00             | \$35.00             | \$35.00                |
|   | > 20ft                            | \$25.00             | \$45.00             | \$20.00                |
| Cost Data Using 2017 Dollars.                                       |                                   |                     |                     |                        |
| Increase cost by 5% every year if using Turner Building Cost Index. |                                   |                     |                     |                        |
| Increase cost by 6% if using Avg. Class A Concrete Increased Costs. |                                   |                     |                     |                        |