

WSDOT Highway Construction Costs

March 2012

This is a recap of prices bid last quarter and includes a comparison to the previous quarter. It also compares the current year to date bid price for an item to the average from the previous year. All averages are the weighted average of a set of data. It is intended to provide insight into the cost of an item by showing the range of prices bid. The estimated cost of future projects is dependant on many factors and the unit price selected is determined by an evaluation of past history, future trends and specific details of the project. The average price listed for each item below is not intended to be the bid price used in an estimate.

Roadway Excavation: \$10.13 per cubic yard

The unit bid price decreased by \$1.54 from the average unit price of \$11.66 per cubic yard last quarter. The prices ranged from \$6.45 to \$72.00 per cubic yard. WSDOT awarded 24,830 cubic yards of roadway excavation during the first quarter of 2012 and 22,410 cubic yards of roadway excavation during the fourth quarter of 2011. The average unit bid price in 2011 was \$9.25.

Crushed Surfacing: \$13.61 per ton

The unit bid price decreased by \$2.33 from the average unit price of \$15.93 per ton last quarter. The prices ranged from \$9.50 to \$145.00 per ton. WSDOT awarded 61,838 tons of crushed surfacing during the first quarter of 2012 and 15797 tons of crushed surfacing during the fourth quarter of 2011. The average unit bid price in 2011 was \$15.7.

Hot Mix Asphalt: \$73.46 per ton

The unit bid price increased by \$7.29 from the average unit price of \$66.66 per ton last quarter. The prices ranged from \$62.00 to \$311.00 per ton. WSDOT awarded 109,859 tons of hot mix asphalt during the first quarter of 2012 and 13,086 tons of HMA during the fourth quarter of 2011. The average unit bid price for western Washington was \$84.41. The average unit bid price for eastern Washington was \$72.57. The average unit bid price for all areas in 2011 was \$66.17.

Concrete Pavement: \$180.00 per cubic yard

No Concrete Pavement was awarded during the first quarter of 2012. The average unit price for Concrete Pavement was \$180.00 per cubic yard during the fourth quarter of 2011. WSDOT awarded 2,540 cubic yards of concrete pavement during the fourth quarter of 2011. The average unit bid price in 2011 was 168.20.

Structural Concrete: \$505.69 per cubic yard

The unit bid price decreased by \$294.31 from the average unit bid price of \$800.00 per cubic yard last quarter. The prices ranged from \$500.00 to \$550.00 per cubic yard. WSDOT awarded 2,832 cubic yards of structural concrete during the first quarter of 2012 and 48 cubic yards of structural concrete during the fourth quarter of 2011. The average unit bid price in 2011 was \$489.26.

Steel Reinforcing Bar: \$1.00 per pound

The unit bid price decreased by \$1.00 from the average unit price of \$2.00 per pound last quarter. Only one contract was awarded containing steel reinforcing bar so no price range is available. WSDOT awarded 175,060 pounds of steel reinforcing bar during the first quarter of 2012 and 12,925 pounds of steel reinforcing bar during the fourth quarter of 2011. The average unit bid price in 2011 was \$0.87.

Structural Steel: \$1.65 per pound

No structural steel was awarded during the first quarter of 2012. The average unit price for Concrete Pavement was \$1.65 per pound during the third quarter of 2011, the last time WSDOT awarded Structural Steel. WSDOT awarded 908,300 pounds of structural steel during the third quarter of 2011 and 4,849,009 pounds during the second quarter of 2011. The average unit bid price in 2011 was \$1.90 per pound.