

Guide Examples for Using Concrete Price Reduction Schedule

As noted on the cover memo with the Price Reduction Schedule, "The Concrete Engineering Unit offers the following *guide* for priced reductions on non-complying construction materials when not addressed in the Contract". The Engineer has the discretion to act within reasonable Engineering Judgment within the intent of the guideline.

EXAMPLE: >4.5" of Slump for Bridge Concrete

To determine the price reduction, use the actual Contract Bid Price from your Project per square foot of deck. Recent Projects indicate a cost of anywhere from approximately \$7.00 to \$17.00 per square foot. If you have a lump sum price, \$10.00 per square foot is a good number to use. This price includes placement as well as the cost of the concrete. A cubic yard of concrete will cover 46.29 square feet for a 7-inch deck. Using an estimated price of \$10.00 a square foot, a cubic yard of concrete would cost $46.29 \times \$10 = \462.29 to place including the cost of the concrete. A 75 % deduct (25 % of the Unit Bid Price) is \$347.15. The deduction for an 8 cubic yard load would be \$2777.

EXAMPLE: >4"-4.5" Slump for Bridge Concrete

The true cost of the concrete to the Contractor is about \$70.00/CY even though Average Bid Costs may indicate that the mixes were bid at about \$250.00 per cubic yard. Historically, the Concrete Unit has based the price reductions, under the scenario "No pay for the Concrete", at \$70.00/CY. The deduction for an 8 yard load would then be $(8 \times \$70.00) = \560.00 for the cost of the concrete only. The \$70.00 versus the actual price bid per cubic yard gives the Engineer some discretion relative to the total picture of Contractor Specification compliance on the entire pour.

The same issues as above apply to the general concrete. A 25 % deduct based on Unit Bid Price would normally greatly exceed the price of 50 % of the concrete cost.

EXAMPLE: 3" Slump for Curb and Gutter

Deduct 50% of \$70.00/CY.

EXAMPLE: 4" Slump for Curb and Gutter

Pay at 75 % of Unit Bid Price or no payment for the concrete. For Unit Bid Price deduct, you must calculate the amount of concrete per Lineal Foot of placement.

The above examples are for work that is not fully acceptable but is allowed to remain in place. If the work in your judgment does not meet Mn/DOT Specifications or accepted Industry Standards, it should be removed and replaced.

If you are unsure, the Concrete Unit personnel are available to help you making a recommendation.