Sample project special: 601crc

06-16-2011

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REVISION OF SECTION 601

CLASS R CONCRETE

Section 601 of the Standard Specifications is hereby revised for this project as follows:

In subsection 601.02, Table 601-1 shall include the following:

**Table 601-1**

**Concrete Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Concrete Class** | **Required Field Compressive Strength (psi)** | **Cementitious Content: Minimum or Range (lbs/yd3)** | **Air Content: % Range (Total)** | **Water Cementitious Ratio: Maximum or Range** |
| **R** | 4500 at 28 days | 620 | 5 – 8 | 0.45 |

Subsection 601.02, second paragraph, shall include the following:

Class R concrete may be substituted for Class B concrete when Class R is specified on the plans.

Subsection 601.02 shall include the following:

**Class R** concrete is used in remote locations as designated in the plans. This class of concrete is exempt from mix design submittal and Contractor QC testing requirements. Additional requirements are: An approved water reducing admixture shall be incorporated in the mix. The concrete mix shall be made with AASHTO M 43 sizes No. 57, No. 6, No. 67 or No. 467 coarse aggregate. Acceptance of Class R concrete will be in accordance with subsection 601.17(c).

Subsection 601.17(c) shall include the following:

When Class R concrete is specified, acceptance will be based on individual 28 day or 56 day compressive strength results. If a 28 day compressive strength result is below 4500 psi, the 56 day compressive strength result will be used. If the 56 day compressive strength result is below 4500 psi, the portion of Class R concrete represented by the test shall be removed & replaced at the Contractor’s expense. Coring of Class R concrete will not be permitted.

INSTRUCTIONS TO DESIGNERS:

The Designer will consult with the Region Materials Engineer prior to specifying Class R Concrete.

When Class R is allowed, the Designer will add the following General Note: Concrete Class R may be used on this project.