

**06015 Supply of Ready Mix Concrete****Index**

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**06015-1      General****1.1            Description**

This Section specifies requirements for supply of ready mix concrete to the City of Saskatoon for placement by its own forces or its agents.

The work includes the supply of all constituent materials, handling, mixing, delivery and discharge at the construction site(s).

**1.2            Related Work**

Ready Mix Concrete - Section 06005

**06015-2      Specific Requirements****2.1            Materials****2.1.1         Ready Mixed Concrete**

To the requirements as per Section 06005, Ready Mixed Concrete.

**2.2            Supply****2.2.1         Days of Work**

Normal days of work for the supply of ready mixed concrete shall be 5 days a week, Monday to Friday.

**2.2.2         Hours of Work**

Hours of delivery will be between 7:00 a.m. and 5:00 p.m., Monday through Friday. Exceptions to the scheduled hours of work will be agreed upon by both parties 24 hours prior to the time of supply. During inclement weather, deliveries will be confirmed on the day of delivery. The number of delivery trips will be minimized by using the largest truck reasonable for that size of a load, unless smaller trucks are specified for a delivery location due to access constraints.

### **2.2.3 Ordering of Ready Mixed Concrete**

The City will place orders for concrete before 4:30 p.m. prior to the day of delivery, specifying quantity, location(s), and time when concrete is to be delivered.

### **2.2.4 Truck Routes for Heavy Loads**

Vehicles used in the delivery of Ready Mix Concrete will be governed by the City of Saskatoon Traffic Bylaws. A plan marked Schedule No. 8 in Division 0, Section 00705 (General Conditions) shows routes to be used by vehicles with a gross weight in excess of 5,000kg.

Concrete delivery trucks will use the routes on Schedule No. 8, City of Saskatoon Truck Route Map for delivery of concrete from the plant to a point closest to the delivery site. The Engineer reserves the right to establish the truck routes.

### **2.2.5 Supply**

Further to General Conditions Section 00705-22, if the Seller fails to supply the specified materials or meet provisions under this section, the City may without terminating this contract;

1. Secure other sources of supply immediately upon written notice to the Contractor, until the Contractor can demonstrate that their product meets specifications and provision under this Section. The City shall deduct from the Contractor's payment an incremental cost to secure an alternate supply. The total contract price shall be reduced accordingly.
2. Terminate acceptance of materials immediately upon written notice to the Contractor until the Contractor can demonstrate that their product meets specifications and provisions under this section. The City shall deduct from the payment due the Contractor damages resulting from lost production and or delay in schedule.
3. Deduct from the payment due the Contractor damages resulting from lost production and or delay in schedule for plant breakdown.

**2.2.6          Waiting Time**

Discharge time will include a time allotment on a site the greater of 15 minutes or 10 minutes per cubic metre. Site arrival times will be noted on the delivery slip and verified by a City representative on site.

**2.3            Payment Adjustments****2.3.1         Materials**

Payment reductions will be used to adjust the contract unit price for materials not complying with the specification limits. Payment reductions and specification limits are specified in Section 06005, Ready Mixed Concrete.

All payment adjustments will be determined on the basis of individual test results. The quantity of material represented by a single test lot will not exceed the quantity of material delivered on the test day, up to and including the test load. Reduced payment for more than one deficiency on any test lot will be based on the reduced payment and not the original price.

**06015-3      Measurement and Payment****3.1            Type 10 Concrete**

Two payment items have been included for the supply and delivery of Type 10 ready mixed concrete based on an order equal to, or greater than 3 cubic metres and an order less than 3 cubic metres.

Measurement and payment of Type 10 ready mixed concrete will be by the cubic metre at the unit price per cubic metre (base price). The unit price per cubic metre will be based on the corresponding payment item.

**3.2            High-Early Strength Additive**

Measurement and payment for high-early strength additive will be at the tendered unit price per each 1% by weight per cubic metre and will be paid in addition to the base unit price for Type 10 Concrete.

**3.3            Excess Waiting and Discharge Time**

Waiting and discharge time in excess of that specified in Section 2.2.6 will be paid as “waiting time” at the unit price per hour. Excess waiting and discharge time will be measured to the nearest minute.

**06015-4       Quality Control Documentation**

An integral part of the quality assurance testing program is the ongoing verification of concrete quality by the Contractor as part of a daily quality control program. The basis of payment adjustment as per Section 06015-2.3 includes only the concrete supplied on the day of the quality assurance test. This means that more emphasis will be placed on documented procedures that the Contractor has in place for ongoing monitoring of concrete quality.

Of primary interest is the daily verification of air entrainment. As part of the tender submission the Contractor will be required to submit:

1. A brief summary of their quality control program that will be in place during the contract.
2. A sample of daily logs for air entrainment testing and/or other quality control testing initiated by the Contractor.

The proposed quality control program will be considered in the evaluation of the tenders.

**06015-5       Dumping of Excess Material**

Excess material is to be properly disposed of. Dumping of material in back lanes or vacant lots will not be allowed.

**End of Specification 06015**