

SPECIFICATION FOR SUPPLYING AND DEPOSITING AGGREGATES**610. 1 SCOPE**

These Specifications govern all operations necessary for and pertaining to **supplying and depositing aggregates** on a highway.

1.1 Pre-Construction Meeting

The Contractor shall attend a pre-construction meeting with Department staff at a mutually agreed upon date to discuss the project. The meeting shall be initiated by the Contractor and be held prior to commencing field operations. Topics to be discussed will include the type and quantity of equipment to be used, sequence of work, traffic control and other pertinent topics.

1.2 Mobilization of Equipment

The lump sum price for "Mobilization of Equipment" will be payment in full for assembling, transporting and setting up the Contractor's equipment, sleeping, kitchen and sanitary facilities, tools and supplies necessary for the maintenance and repair of equipment, and all items necessary or incidental thereto and for moving all the items away when the project is completed.

The Department will make two payments. Two-thirds of the lump sum price for "Mobilization of Equipment" will be paid when the Engineer is satisfied that the majority of the required equipment is mobilized on the project. The balance will be paid when the work has been substantially completed.

610. 2 SURFACE PREPARATION

Although preparation of the highway surface by the Contractor is not a requirement of these Specifications, aggregate shall not be deposited until the Department has prepared the surface to an acceptable condition.

610. 3 SUSPENSION OF WORK

The Engineer will suspend the hauling of aggregate when ground or atmospheric conditions may cause the highway within the project to be damaged by loaded trucks. Unprepared surfaces, delays in base laying or any other unusual circumstance may require the Engineer to suspend hauling.

No compensation will be payable to the Contractor for any expenditures incurred or anticipated revenue lost because of periods when hauling to the highway has been suspended at the direction of the Engineer, however, working days will not be charged during this period.

610. 4 AGGREGATE SUPPLIED BY THE CONTRACTOR

When there are bid items for "**Supplying and Depositing Traffic Gravel**", "**Supplying and Depositing Granular Base Course**" or "**Supplying and Depositing Granular Fill**", the Contractor shall supply, crush or screen, load, haul and deposit the applicable aggregate at specified locations.

610. 4.1 Production of Aggregate

Aggregate shall be produced in accordance with the applicable Specifications.

4.2 Depositing

The Contractor shall deposit aggregate on the roadway by end dumping, centre dumping or by tailgating, as directed by the Engineer.

When the aggregate to be deposited exceeds 350 tonnes per kilometre, loads shall be end dumped so as to produce a uniform windrow.

When the aggregate to be distributed is less than 350 tonnes per kilometre, loads shall be deposited by tailgating or by centre dumping. Tailgating shall be controlled by the use of spread chains. Uneven piles of aggregate left on the road shall be levelled immediately by the Contractor using manual methods if necessary.

4.3 Distribution of Aggregate

Not less than ninety percent of the aggregate quantity to be deposited on each kilometre shall be distributed at a relatively uniform rate. Up to ten percent of the aggregate quantity may, at the discretion of the Engineer, be used to reinforce various locations within the limits of each highway described in the Tender.

610. 5 AGGREGATE SUPPLIED BY THE DEPARTMENT

When there is a bid item for "Loading Aggregates" and for "Hauling and Depositing Aggregates", the Contractor shall load aggregate from a source supplied by the Department and haul and deposit the aggregate at specified locations.

5.1 Loading Aggregate

The Contractor shall load the aggregate into hauling vehicles.

5.2 Hauling and Depositing Aggregate

The Contractor shall haul the aggregate from the source to specified locations and deposit the aggregate as directed.

The average haul distance will be determined by the Engineer.

610. 6 SPREADING AGGREGATE

When there is a bid item for "Spreading Aggregate" the Contractor shall supply an acceptable motor grader to spread the aggregate which has been deposited. Incorporation of aggregate existing on the roadway will not be paid for directly but will be considered as incidental to the unit price for "Spreading Aggregate". Areas on which the Contractor has deposited aggregate shall be maintained by the motor grader until the Contractor's trucks have ceased hauling thereon.

The Contractor shall not haul unless the motor grader is on the site and in working condition. The aggregate shall be spread to the full width of the roadway and shall be shaped to the required cross section. Hauling shall cease each day in sufficient time to allow the motor grader to complete the spreading during daylight hours.

610. 9 METHOD OF MEASUREMENT

9.1 Depositing, Loading or Spreading Aggregate

Depending on the unit shown on the bid page, aggregate quantities deposited, loaded or spread will be measured in tonnes or in cubic metres.

When the aggregate is measured by volume the rated capacity of the hauling vehicles will be established by the Engineer to the nearest 0.1 m; using the Department's Vehicle Measurement Form. The rated capacity of a vehicle shall not be changed without the consent of the Engineer. Loads will be checked at the deposit site and when requested by the Engineer shall be levelled by the Contractor. No payment will be made for any portion of a load greater than the rated capacity. Deductions will be made in 0.1 m; units for loads less than the rated capacity.

9.2 Hauling and Depositing Aggregate

Aggregate quantities hauled and deposited will be measured in tonne kilometres or cubic metre kilometres.

The average haul distance from the source to the mid-point of each kilometre on which the aggregate is deposited, multiplied by the quantity deposited on each kilometre, will determine the total quantity to be paid.

610. 11 BASIS OF PAYMENT

11.1 Supplying and Depositing

The unit price set forth for "**Supplying and Depositing** Traffic Gravel, **Supplying and Depositing** Granular Base Course or **Supplying and Depositing** Granular Fill" will be the total amount paid to the Contractor for depositing each tonne or cubic metre of applicable aggregate on the highway, crossings and intersections, and it will be payment in full for supplying aggregate and for performing all operations necessary or incidental thereto.

11.2 Loading Aggregate

The unit price set forth for "Loading Aggregate" will be the total amount paid to the Contractor, for loading each tonne or cubic metre of aggregate from the source into the trucks and performing all operations necessary or incidental thereto.

11.3 Hauling and Depositing Aggregate

The unit price set forth for "Hauling and Depositing Aggregate" will be the total amount paid to the Contractor for hauling and depositing the **supplied** aggregate as directed, and performing all operations necessary or incidental thereto.

11.4 Spreading Aggregate

The unit price set forth for "Spreading Aggregate" will be the total amount paid to the Contractor for spreading aggregate deposited on the highway, crossings and intersections, and performing all operations necessary or incidental thereto.