



CONTROL OF AGGREGATE AND AGGREGATE SOURCES - SECTION 1500

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1500.1 QUALITY OF AGGREGATE MATERIALS

- 1500.1.1 Materials used shall conform to the Specifications in this Contract.
- 1500.1.2 Test results, measurements and any other information provided by the Ministry to the Bidder regarding the gradation or other properties of material, or the depth of material, represent only the characteristics of the material at the site of the individual test or measurement. The Bidder is solely responsible for any assumptions or generalizations about the overall characteristics of the material whether such assumptions are based on information obtained from the Ministry or otherwise. The Ministry will not be liable for any damages or costs incurred by the Contractor in the performance of the Contract in the event that the actual quantity or quality of the material differs from the quantity or quality of the material assumed by the Contractor for the purpose of submitting a Bid.
- 1500.1.3 The quality of material will be acceptable in general but the Contractor shall determine the amount of equipment and work necessary to produce material that complies with the Specifications.
- 1500.1.4 If the materials prove unacceptable at any time, the Contractor shall make alterations to the operations as may be necessary to assure acceptable materials.

1500.2 MINISTRY-OWNED OR CONTROLLED AGGREGATE SOURCES

- 1500.2.1 The only Ministry-owned or controlled aggregate sources that the Contractor will be permitted to use will be shown on the Plans or described in the Special Provisions.
- 1500.2.2 The following conditions shall apply to the removal of aggregate material from land shown on the Plans or described in the Special Provisions:
 - 1500.2.2.1 The Ministry will be responsible for acquiring right to, or paying royalties for materials.
 - 1500.2.2.2 The Ministry will be responsible for acquiring or making compensation for Access Routes.
 - 1500.2.2.2.1 Access Route means the Right-of-Way or easement permitting access to the aggregate source from a Highway.
 - 1500.2.2.2.2 Access Routes will be as shown on the Plans, specified by the Engineer or staked on the ground.

- 1500.2.2.3 The Contractor shall give sufficient advance notice to the Engineer to permit the Ministry to make satisfactory arrangements for the protection of private or public property which may be, or may become, affected by the entry upon land, including Access Routes.
- 1500.2.2.3.1 The Engineer may require the Contractor to fence such lands as Extra Work.
- 1500.2.2.3.2 When specified in the Special Provisions, watchpersons shall be provided to patrol such lands. The Contractor shall be responsible for the acts of such watchpersons and pay the expense of such watchpersons.
- 1500.2.2.4 The Contractor shall notify the Engineer sufficiently in advance of the opening of any aggregate source so that elevations and measurements may be taken before the ground is disturbed.
- 1500.2.2.5 Subject to the approval of the Engineer, the Contractor may use materials from such lands for building and maintaining production facilities necessary for the performance of the Work under the Contract, but no payment will be made to the Contractor for such material or for any work done in connection therewith.
- 1500.2.2.5.1 The Contractor, unless authorized by the Engineer, shall not contaminate the granular area of an aggregate source by using overburden for the purpose of providing a base for plant set-ups, haul roads, or for any other use.
- 1500.2.2.6 Except by written permission from the Engineer, the Contractor shall not use materials from such lands for works other than those specified under the Contract.
- 1500.2.2.7 Existing stockpiles of material are not available to the Contractor unless otherwise specified in the Special Provisions.
- 1500.2.2.8 The Contractor may be directed by the Engineer to move existing piles of aggregate, overburden and/or brush to new disposal sites in the aggregate sources. This work shall be performed on an Extra Work basis. Extra Work will not be authorized for moving piles solely to facilitate the Contractor's plant set-up or temporary stockpile locations.
- 1500.2.2.9 Sub-base aggregate shall not be removed from areas within the source containing material suitable for the production of other aggregates unless written permission is given by the Engineer.
- 1500.2.2.10 The excavation of the granular material shall be:
- 1500.2.2.10.1 Extended to the full depth of the deposit or at least one metre below the water table unless deemed impractical by the Engineer.
- 1500.2.2.10.2 Advanced uniformly to obtain the maximum yield from the deposit.
- 1500.2.2.10.2.1 Where mixing of materials from various sections of the designated area within an aggregate source will produce the greatest amount of material conforming to the requirements of materials being produced at the time, the Contractor shall utilize appropriate equipment to carry out an operation such that the maximum amount of material will be obtained from that source.
- 1500.2.2.11 No aggregate source will be considered depleted except where, in the opinion of the Engineer, it is impractical to remove further material to produce the required product.
- 1500.2.2.12 Useable material shall not be wasted.

- 1500.2.2.13 If the sources do not contain sufficient material to complete the Work under the Contract, the Engineer will designate additional Ministry-owned or controlled sources to be used. The Contractor will be compensated for any additional cost associated with obtaining the aggregate from an alternate source(s).
- 1500.2.2.14 Oversize material, screenings, waste materials, excess aggregate or any other material produced by the Contractor's plant and not required or beyond the quantity required shall be deposited as directed by the Engineer, in a manner that will interfere as little as possible with the future use of the deposit.
- 1500.2.2.15 The Contractor shall not leave a slope exceeding one metre vertical for every four metres horizontal in any area from which material has been removed.

1500.3 PRIVATELY-OWNED AGGREGATE SOURCES

- 1500.3.1 The Contractor may elect to use aggregate sources not owned or controlled by the Ministry.
- 1500.3.2 The following conditions shall apply when the Contractor uses material from sources that are not Ministry-owned or controlled:
- 1500.3.2.1 The Contractor shall bear all costs including but not limited to: exploring and developing the source(s); acquiring the necessary rights to take the materials; use of the property for plant sites, stockpile sites and access roads; removing and disposing of overburden; supplying and adding binder, filler or blender sand; obtaining authorization for use of haul roads from those authorities having jurisdiction over such roads; and plant moves, overhead, administration, and incidentals.
- 1500.3.2.2 The Contractor will only be compensated for material utilized for the completion of this Contract.

1500.4 MINISTRY-OWNED OR CONTROLLED PROPERTY

- 1500.4.1 The Contractor will have the right to use Ministry-owned or controlled property comprising the aggregate source for a plant site, stockpile site or camp site.
- 1500.4.2 The Contractor shall be responsible for obtaining the use of a suitable location for the asphalt mixing plant if the asphalt mixing plant cannot be located at the aggregate source due to the conditions in the operating permit granted for the asphalt mixing plant pursuant to The Clean Air Act; or any other requirement of the law.
- 1500.4.3 The Contractor shall be responsible to lease or purchase any additional property that is required for a plant site, stockpile site(s), camp site or other uses, or elects to construct stockpile(s) in an area other than those designated.
- 1500.4.3.1 The Contractor shall supply the Ministry with a copy of the lease, if requested, and signed release from the landowner on any site leased by the Contractor.
- 1500.4.3.2 The Contractor shall clean up the site as required by the landowner.
- 1500.4.3.3 All costs associated with use of the additional property, including but not limited to site preparation and final cleanup, shall be borne by the Contractor.

1500.5 SAMPLING, TESTING AND INSPECTING AGGREGATE

- 1500.5.1 Test procedures shall be in accordance with the Saskatchewan Highways and Transportation's Standard Test Procedures Manual. The test procedures in effect on the closing date of the tender shall apply.
- 1500.5.2 The Engineer or his representative will from time to time take samples and carry out testing and inspections of materials incorporated or being incorporated in the work. The Contractor shall afford the Engineer or his representative every opportunity for such sampling, testing, and inspections. Tests will be made by and at the expense of the Ministry except that the Contractor shall supply and bear the costs of supplying power for the Ministry mobile laboratory trailer(s) at the work site.
- 1500.5.3 During aggregate production the Contractor shall, at his own expense, supply surge bin(s) to facilitate sampling of the material being produced. The Contractor shall supply a suitable sampling platform for the purpose of obtaining samples from the discharge conveyor belt from the surge bin(s). The discharge conveyor belts shall be equipped with cut-off switches that are acceptable to the Engineer.
- 1500.5.4 During the handling of all aggregates special care shall be taken that no earth or foreign material becomes mixed therewith. Aggregates shall be transported to the work in vehicles so constructed as to prevent loss or segregation.

1500.6 DEFECTIVE MATERIAL

- 1500.6.1 Materials furnished by the Contractor that do not conform to the requirements of the Specifications will be considered as defective and all such materials, whether in place or not, will be rejected and shall be removed immediately from the site of the work. No rejected material, the defects of which have been substantially corrected, shall be used until approval has been given, or remedied as stipulated in Subsection 1400.7.
- 1500.6.2 Materials furnished by the Ministry are deemed to conform to the requirements of the Specifications; however, any such materials that are obviously defective shall not be used in the work, and the disposition of such materials will be determined by the Engineer. Any materials furnished by the Ministry and used in the work which subsequently prove defective shall be remedied, or removed and replaced at the Ministry's expense.