

Control of Borrow and Borrow Sources - Section 1510

Subsection Topic

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1 QUALITY OF BORROW MATERIAL

- 1.1 Materials used shall conform to the Specifications in this Contract.
- 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.
- 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.
- 1.4 If the materials prove unacceptable at any time, the Contractor shall make alterations to the operations as may be necessary to ensure acceptable materials are provided.

2 MINISTRY-OWNED OR CONTROLLED BORROW SOURCES

- 2.1 Borrow sources for use on the Contract will be shown on the Plans or described in the Special Provisions. It is anticipated that sufficient quantities of borrow material are available from these sources. No assurance is given or implied that these sources contain sufficient material for the completion of the Contract.
- 2.2 The Engineer may select additional or alternative sources for use on the Contract.

- 2.3 The following conditions shall apply to the removal of borrow material from land shown on the Plans or described in the Special Provisions:
- 2.3.1 The Ministry will be responsible for acquiring right to, or paying royalties for materials.
 - 2.3.2 The Ministry will be responsible for acquiring or making compensation for Access Routes.
 - 2.3.2.1 Access Route means the Right-of-Way or easement permitting access to the borrow source from a Highway.
 - 2.3.2.2 Access Routes will be as shown on the Plans, specified by the Engineer or staked on the ground.
 - 2.3.3 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.
 - 2.3.3.1 The Engineer may require the Contractor to fence such lands as Extra Work.
 - 2.3.3.2 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.
 - 2.3.4 The Contractor shall notify the Engineer sufficiently in advance of the opening of any material source so that elevations and measurements may be taken before the ground is disturbed.
 - 2.3.5 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.
 - 2.3.6 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.

- 2.3.7 Removal and replacement of stripping on borrow sources will be as designated in the Plans or as described in the Special Provisions. The Engineer may direct other means for disposing of stripping.
- 2.3.8 No borrow 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.
- 2.3.9 Useable material shall not be wasted.
- 2.3.10 For landscape borrow sources, the excavated area shall follow the contour of the surrounding topography.
- 2.3.11 For deep-type borrow sources:
 - 2.3.11.1 The Contractor shall not leave a slope exceeding one metre vertical for every three metres horizontal in any area from which material has been removed.
 - 2.3.11.2 The Contractor will receive additional compensation as set out in the Special Provisions for excavating material below certain depths.

3 SAMPLING, TESTING AND INSPECTING BORROW MATERIAL

- 3.1 Test procedures shall be in accordance with the Saskatchewan Ministry of Highways' Standard Test Procedures Manual. The test procedures in effect on the closing date of the tender shall apply.
- 3.2 The Engineer 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 every opportunity for such sampling, testing, and inspections. Tests will be made by and at the expense of the Ministry.

4 DEFECTIVE MATERIAL

- 4.1 Materials excavated 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.