CW 3150 – GRAVEL SURFACING

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1. DESCRIPTION

1.1 General

.1 This specification covers the preparation of the existing roadway and shoulders and placement of new surfacing material.

1.3 Referenced Standard Construction Specifications

.1 CW 3110 – Sub-grade, Sub-base and Base Course Construction.

2. MATERIALS

2.1 Granular Surfacing Material

.1 Supply surfacing material in accordance with Section 2.2 of CW 3110.

3. CONSTRUCTION METHODS

3.1 Preparation of Existing Roadway

.1 Prepare existing roadway or shoulder surfaces.

.2 Scarify existing material to a 100 millimetre depth.

.3 Regrade to proper grade and cross-section as shown on the Drawings or as directed by the Contract Administrator.

.4 Compact to a minimum of 95% Standard Proctor Density.

3.2 Placement of New Surfacing Material

.1 Place new surfacing material and compact to a minimum of 100% Standard Proctor Density in accordance with Section 3.4 of CW 3110.

.2 Level surfacing material to finished elevation.

.3 Place surfacing material for shoulders following completion of asphalt pavement or overlay where applicable.

.4 Stockpiling of unspread or surplus material on the roadway or shoulder areas overnight will not be permitted.

3.3 Quality of Materials

.1 Determine the Standard Proctor Density of existing and new surfacing materials at the optimum moisture content in accordance with ASTM Standard D698. The filed density of each layer will be a percentage of the applicable Standard Proctor Density, in accordance with Sections 3.1 and 3.2 of this specification.

.2 Utilize quality control tests to determine the acceptability of the layers, as placed and compacted before the succeeding layer may be applied.

.3 Verify the field density of the compacted layers by Field Density Tests in accordance with ASTM Standard D1556, Test for Density of Soil in Place by the Sand-Cone Method, or ASTM Standard D2922, Test of Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth).

.4 The frequency and number of tests will be as directed by the Contract Administrator.

.5 Fill promptly, holes promptly made by the removal of samples from the layers with appropriate material and thoroughly compact so as to conform in every way with the adjoining material.

4. MEASUREMENT AND PAYMENT

4.1 Preparation of Existing Roadway

.1 Preparation of the existing roadway will be measured on an area basis and paid for at the Contract Unit Price per square metre for "Preparation of Existing Roadway". The area to be paid for will be the total number of square metres of existing roadway or shoulder surface that are scarified, regarded, shaped and compacted in accordance with this specification, accepted and measured by the Contract Administrator.

.2 Additional excavation or placement of fill materials will be paid for in accordance with CW 3110.

4.2 Surfacing Material

.1 Surfacing material will be measured on a weight basis and paid for at the Contract Unit Price per tonne for the "Items of Work" listed here below. The weight to be paid for will be the total number of tonnes of surfacing material that are supplied and placed in accordance with this specification, accepted and measured by the Contract Administrator.

Items of Work:

Surfacing Material
- i.) Granular
- ii.) Limestone

.2 The weight to be paid for will be the total number of tonnes of surfacing material measured on a certified weigh scale.

.3 Only material placed within the limits of the resurfacing will be included in the payment for "Items of Work", listed for the Surfacing Material.