ITEM 15203.23 M - SHOULDER BACKUP MATERIAL

DESCRIPTION:

This work shall consist of furnishing, placing, grading, compacting, and trimming shoulder backup material of the type indicated adjacent to shoulders to the lines, grades, and locations indicated in the contract documents or to the lines, grades, and locations directed by the Engineer, in accordance with these specifications and details shown in the plans.

MATERIALS:

General. §304-2, including the provisions for stockpiling, shall apply. Where the term "subbase course" is used in that subsection, "shoulder backup material" shall replace it. Materials incorporated into the work shall consist of uncontaminated materials conforming with these specifications, the contract documents, and the directions of the Engineer. Unless indicated otherwise, the Contractor may choose the type or types of material to use. Intermixing of the permitted types, however, will be subject to the approval of the Engineer.

Material that proves to be, or that is determined by the Engineer to be impractical to place, grade, or compact as shown in the contract documents, or as directed by the Engineer shall not be used.

Type A.(Crusher-Run, crushed gravel, or crushed stone). Shoulder backup material of this type shall consist of well-graded crusher-run material from an approved stone or gravel quarry source, Portland cement concrete, or asphalt concrete. The material shall contain no organic, deleterious, hazardous or toxic material. Gradation shall be subject to the approval of the Engineer, however no material larger than 25 mm in greatest dimension will be allowed. Material that proves to be, or is determined by the Engineer to be impractical to place or shall not be used.

Type B (Subbase Course, Type 2). Shoulder backup material of this type shall meet the material requirements of Subbase Course, Type 2. The Regional Geotechnical Engineer will visually inspect each proposed source of material for compliance with these specification requirements, and submit an evaluation of the material in writing including any limiting conditions to the Engineer-In-Charge.

Type C (Subbase Course, Type 4) Shoulder backup material of this type shall meet the material requirements of Subbase Course, Type 4 of the Standard Specifications, except the material furnished shall consist of approved sand and gravel or a blend of sand and gravel and stone. The Regional Soils Engineer will visually inspect each proposed source of material for compliance with specification requirements, and submit an evaluation of the material in writing including any limiting conditions to the Engineer-In-Charge.

Type D (Asphalt Concrete Millings.) Material provide under this option shall consist of uncontaminated asphalt concrete millings produced on the contract or from other sources as approved by the Engineer. Milling waste shall be broken down into sizes no larger than 40 mm.

CONSTRUCTION DETAILS:

Shoulder backup material shall be furnished, placed, graded, compacted, and trimmed to the lines and grades shown in the contract documents, or to those directed by the Engineer. The provisions of §304-1 Construction Details of Section 304, Subbase Course shall apply.

METHOD OF MEASUREMENT:

Shoulder Backup Material will be measured for payment as the number of metric tons, properly placed, graded, compacted, and trimmed along the edge of shoulder in accordance with the details shown on the plans or as directed by the Engineer.

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When truck scales are not available within reasonable distance of the stockpile, as determined by the Engineer, the quantity paid for will be determined using conversion factors and the loose volume of shoulder backup material determined by measuring the dump truck bodies. The Contractor shall select the trucks to be used for delivery of the material with the approval of the Engineer. Once the trucks are selected and approved by the Engineer, no other trucks shall be used for delivery of this material. The trucks shall be uniformly loaded to the satisfaction of the Engineer.

Conversion factors shall be 1.68 metric tons per cubic meter, loose measure.

BASIS OF PAYMENT:

The unit price bid per metric ton for Shoulder Backup Material shall include the cost of all labor, materials, and equipment necessary to satisfactorily furnish, place, grade, compact, and trim Shoulder Backup Material.