

To: All HQ Directors: operations, Planning & Major Projects  
All Regional Directors  
All District Highway Managers  
All Contract Administrators

**SUBJECT:**

Consistency for paving items in the Schedule of Approximate Quantities and Unit Prices for paving contracts.

**PURPOSE:**

To assist Contractors in tendering and performing their work on Paving Contracts by having a set of paving unit items which are similar for most paving work to facilitate consistency and uniformity.

**BACKGROUND:**

The Paving Industry expressed a concern that paving unit items varied too much on the same paving work items from Region to Region within the Ministry. The Ministry reviewed Industry's concerns and found some paving items could be standardized in measurement throughout all Regions. The Ministry and Industry have agreed to use a set of standard measurements on certain paving work items when possible in all Hot in Place Recycle and conventional paving work for this years contracting season.

**REQUIREMENT:**

A standard paving measurement units will be used on all Hot in Place Recycle and conventional paving contracts, with some permitted variation as required by the project, as follows:

- Guidelines for Asphalt Mixed Quantities:
  - a.) For routine Paving Rehabilitation Projects use length x width x depth and add 10%;
  - b.) For routine Mill and Fill Projects use length x width x depth and add 5%;
  - c.) Use tonnes for estimated Asphalt Mix Quantities on the Schedule of Approximate Quantities and Unit Prices;
  - d.) Use 60 kg per square meter per 25mm of thickness to obtain quantities;
  - e.) Use the same asphalt quantity for the crushed paving aggregate; and
  - f.) Paving Aggregate payment to be prorated as material produced up to the calculation as set out in the Standard Specifications for Highway Construction.
- Mobilization will normally be the first item on the Schedule of Approximate Quantities and Unit prices.
- Paving Items to follow in sequential order of logical construction and application for the work;


- Shouldering Aggregate (supply, haul, place and spray) will be a separate unit item of work for the supply and placement of the Shouldering Aggregate by the tonnes or neat line depending on Contract requirements. Spray of water will be incidental and included;
  - Prime Coat and Tack Coat will be paid for as follows:
    - a.) Supply for each will be a separate unit item by the litre prior to dilution; and
    - b.) Spray for each will be a separate unit item by the litre of material actually sprayed through the distributor with dilution rates provided by the Ministry;
- Additional requirements are:
- i) limiting distance for application ahead of the paver will be project specific; and
  - ii) supply and placement of blinding sand and inversion of the prime will be specified in the Special Provisions. These are paid for as a bid item or by provisional sum.
- When specified additives such as cyclogen and MgCl will be paid for by unit prices and by the litre for liquids. Application rates to be determined by Ministry.
  - Milling will be paid for by unit price for each m<sup>2</sup> with the depth specified in Special Provisions as follows:
    - a.) Placement of cold Pavement Millings will be incidental and specified as either surfacing on side roads, or cold in a stockpile;
    - b.) When Recycled Asphalt Product (RAP) is incorporated into the asphalt mix, the mix will be paid for as asphalt mix with RAP by the tonne. Ministry will determine the percentage of RAP to be added to the virgin asphalt mix.
    - c.) Full 100% RAP at low temperature from a plant will be paid for as a separate unit item by the tonne.

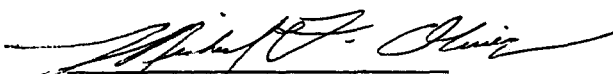
Variations to the above may be necessary for project specifics and deviations should be highlighted in Special Provisions.

**CONTACTS:**

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**APPROVED:**

  
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