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PART 1 – GENERAL

This section specifies the requirements for the asphaltic concrete planing and profiling.

This standard does not address any safety concerns related to the use of its contents. It is the responsibility of the user of this specification to establish appropriate safe work practices applicable to the work detailed within.

1.1 Work Included

- .1 The Work consists of the furnishing of all materials, tools, equipment and labour required for the planing/profiling and removal of asphaltic concrete from existing roadways.
- .2 Those materials which are not specified and/or indicated but are necessary for the complete installation of the work shall be deemed the responsibility of the Contractor and shall be included at no extra cost to the contract.

1.2 Work Excluded

- .1 Adjustment of underground appurtenance and structures.

1.3 Related Sections

The latest editions of the following shall apply to this specification.

- .1 Specification for Hot Mix Asphaltic Concrete S-1
- .2 Specification for Performance Graded Asphalt Binder S-2

1.4 Codes, Bylaws, Ordinances and Regulations

- .1 All work covered by this section shall be performed according to applicable Halifax Regional Municipality Codes, bylaws, Ordinances, and Regulations.
- .2 Nova Scotia Department of Public Works "Temporary Work Place Traffic Control Manual" (latest revision).
- .3 HRM Traffic Control Manual Supplement (latest revision).

PART 2 - PRODUCTS

2.1 Equipment

- .1 Cold planing machine or heater planer specifically designed for automatically controlled profiling to pre-assigned depths with the following capabilities:
 - Automatic controls for accurately establishing profile grades at each edge of the machine by referencing from existing pavement or an independent grade reference.
 - Capable of automatically maintaining a designed cross slope from a single reference.

- Self propelled with sufficient power, traction, and stability to maintain an accurate depth of cut.
- Equipped with means to control dust, excessive noise, fire and/or overheating of adjacent materials (i.e. trees, grass, hedges).

PART 3 - EXECUTION

3.1 General

- .1 Location, depth, width and grade shall be as directed by the Engineer and project documents.
- .2 Locate and protect from damage any appurtenances within the site, such as manhole covers, water valves, curb and gutters, etc.
- .3 Plane pavement surface so that surface remaining has a constant and continuous cross fall, and an even texture longitudinally and transversely, free from grooves and/or ridges.
- .4 Remove asphalt which cannot be removed by planing/profiling using other methods approved by the Engineer.
- .5 Do not disturb appurtenances such as manhole covers, water valves, etc. during planing/profiling operations. Clearly mark appurtenances to avoid a traffic hazard after planing/profiling operations are completed. Install temporary asphalt ramps to avoid traffic hazard. Asphalt ramps to be constructed to at least a 20 to 1 horizontal to vertical ratio.
- .6 Immediately following the cold planing operation and prior to the traffic being allowed on the cold planed surface, the Contractor shall sweep the surface and remove any bonded asphalt concrete material left by the cold planing machine.
- .7 Prior to excavation around any manhole within the workplace (existing or newly constructed as part of the tender), the Contractor shall supply and install catchment devices in all manholes prior to work commencing on the manhole. Such catchment devices shall be constructed and installed in a manner so as not to impede the flows through the manhole and shall be removed after all work is completed. Catchment devices shall be regularly inspected during the course of the work to ensure that continue to function as intended.

- .8 Make transverse faces at end of work period vertical. Install temporary asphalt ramps to avoid traffic hazard. Asphalt ramps are to be installed before work is completed for the day, and before the area is opened to live traffic.
- .9 Clearly mark longitudinal faces at end of work period to avoid traffic hazard. Signing in accordance with the Temporary Workplace Traffic Control Manual (latest revision).
- .10 Where hardware adjustments are not made within 48 hrs on arterial and collector roadways, temporary asphalt ramps shall be installed.
- .11 Clean up site prior to shutdown at the end of each working day.
- .12 Paving of Arterials and Major Collectors shall take place within one week from milling, unless directed by the Engineer.

PART 4 – MEASUREMENT OF PAYMENT

4.1 General

- .1 Payment for all works carried out in accordance with this specification will be paid for per the payment items detailed in Section 01 22 00 Measurement and Payment, of the Contract.

**** End S-3 ****