



**CITY OF
SWIFT CURRENT**
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**SECTION 04070
ASPHALT CONCRETE PAVEMENT MILLING**

DECEMBER 2015



CONSTRUCTION SPECIFICATIONS

SECTION: 04070

ASPHALT CONCRETE PAVEMENT MILLING

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1 GENERAL

1.1 DESCRIPTION

- 1.1.1 This section specifies requirements for milling or grinding existing asphalt pavement to lines, grades, and typical cross sections indicated on plans or as established by the Engineer.
- 1.1.2 Protect existing pavement, utility appurtenances, traffic detector loops, home runs, light units, and structures from damages. In event of damage immediately replace or make repairs to approval of the Project Manager and at no additional cost to the City.

1.2 RELATED SECTIONS

- 02010 Site Preparation and Grading
- 02015 Sub – Grade Preparation
- 03001 Aggregates General
- 03005 Granular Base Course
- 03010 Granular Sub – Base
- 03060 Geotextile and Rolled Erosion Control Devices
- 03070 Rip – Rap
- 04000 Asphalt Pavement Crack Routing and Sealing
- 04001 Asphalt Pavement Crack Sealing
- 04015 Asphalt Concrete
- 04025 Prime, Tack and Fog Coats
- 06010 Concrete Side walk, Curb and Gutter Construction
- 07000 Pavement Markings
- 10000 Flexible Guide Posts and Delineators
- 12000 Regulatory Roadway Signs

1.3 INSPECTION AND TESTING

- 1.3.1 Visual inspection and measurement will be completed by the Engineer.
- 1.3.2 Testing is not applicable to this specification.

2 EXECUTION

2.1 PREPARATION

- 2.1.1 Inspect site and verify with the Project Manager areas designated for milling. Arrange for temporary traffic control in areas where signal light traffic detector loops and home runs are to be removed.

2.2 EQUIPMENT

- 2.2.1 Use cold milling or grinding equipment capable of removing part of asphalt pavement surface to depths or grades indicated with a tolerance of +/- 10mm within areas designated.
- 2.2.2 Sweeping and collecting equipment shall be capable of removing all residue from planning operation. Water shall be applied as necessary during milling operation to suppress dust.

2.3 ASPHALT REMOVAL

- 2.3.1 Asphalt pavement shall be milled to grade and cross section dimensions indicated or as directed by the Project Manager.
- 2.3.2 Care is to be exercised to avoid disturbance to pavement or other work designated to remain.
- 2.3.3 Drainage system is to be kept clear of loose and waste materials. Asphalt is to be removed to a uniform level including areas surrounding valves, manholes or other appurtenances.
- 2.3.4 Residue materials resulting from milling operation are to be removed.
- 2.3.5 Milling may be restricted on designated roads and streets with particular time frames throughout the week. The Contractor shall abide by these restrictions.
- 2.3.6 Surface is to be left in a condition that can be reopened to traffic following removal of grindings. This may require temporary asphalt fillets at the transition points.

2.4 DISPOSAL OF MATERIALS

- 2.4.1 Removed pavement material is the property of the City and is to be stockpiled at a location designated by the City.

2.5 FINISH TOLERANCES

- 2.5.1 Milled surfaces to be within +/- 10mm of specified grade but not uniformly high or low.

3 MEASUREMENT AND PAYMENT

3.1 MEASUREMENT

- 3.1.1 Measurement shall be based on lineal meters (m) or square meters (m²) of actual work completed, as specified in the unit rate schedule of the contract.

3.2 PAYMENT

- 3.2.1 Payment shall be based on the measured quantity multiplied by the unit rate specified in the unit rate schedule of the contract.
- 3.2.2 Payment shall be compensation in full for transportation, supply of materials specified, equipment, tools and labour, and all other incidentals necessary to complete the work.

END OF SECTION