

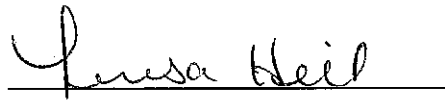
Request for Quotes

The City of Waterville is accepting Quotes for Mill and Overlay projects.

A listing is available upon request by contacting Waterville City Hall at 507-362-8300.

Quotes must be presented in a sealed envelope marked Mill and Overlay Quotes 2015.

Quotes are due by 3:00 Tuesday, July 21, 2015.

A handwritten signature in cursive script, reading "Teresa Hill", is written over a horizontal line.

Teresa Hill, Administrator-Clerk

Dated: July 7, 2015

Company Name	
Company Address	
Company telephone number	
	CITY OF WATERVILLE
	2015 Mill and Over Lay Quote
Specifications	See Attached Technical Specifications
	Approximate Demensions
Third Street (From third Street Bridge to Paquin Street Bridge Deck is included)	380' X 40'
Hoosac Street West (Ree to Buchannon)	342' X 34'
Cottrill Street North (from Lake to Main)	383' X 26'
Quote	
total for all items	
Individual quotes must be provided by street and total of all combined low quote to be determined by schedules authorized by Council.	
<b>Quotes are Due July 21, 2015 at 3:00 p.m.</b>	
Questions, contact Clinton Peach at 507-362-8300	

**TECHNICAL SPECIFICATIONS  
STANDARD BITUMINOUS OVERLAY SPEC  
CITY OF WATERVILLE  
WATERVILLE, MN**

02740 - PLANT-MIXED BITUMINOUS SURFACING  
02960 - PAVEMENT MILLING

## SECTION 02740 - PLANT-MIXED BITUMINOUS SURFACING

### PART 1 -- GENERAL

#### 1.1 SUMMARY

- A. This section covers the furnishing of all labor, materials, tools, equipment and performances of all work and services necessary or incidental to the construction of plant-mixed bituminous surfacing as indicated on the plans or as specified herein.

#### 1.2 METHOD OF MEASUREMENT AND PAYMENT

- A. Measurement and compensation for the following items shall be paid according to the referenced specification or as modified below:
1. Payment shall be at the unit price bid per GALLON of bituminous tack coat installed. The amount bid shall include all material and work required to mix and place the tack coat specified.
  2. Payment shall be at the unit price bid per TON of bituminous surfacing for the compacted depth specified. The amount bid shall include all material and work required to mix and place the bituminous course specified.
- B. The cost of all labor, equipment and materials necessary for constructing clean, vertical, solid edge at the adjacent asphalt surface, include in the price bid for Plant-Mixed Bituminous surfacing.

#### 1.3 SPECIFICATION REFERENCE

- A. Plant mixed asphalt pavement shall conform to the current Mn/DOT Specification 02350/2360 Plant Mixed Asphaltic Pavement Combined 2350/2360 (Gyratory/Marshall Design Specifications), dated December 23, 2008. Copies of Mn/DOT's current specifications may be downloaded and printed from Mn/DOT's web site at:

<http://www.dot.state.mn.us/pre-letting/prov/sequence.html>

1. Mn/DOT Specification Section 2357 shall apply to the construction of bituminous tack coat, except as modified herein.
  2. Mn/DOT Section 02360.6B4: The maximum payment factor for density is 100%.
  3. Mn/DOT Section 02360.7C (Pavement Smoothness Specification – IRI (International Roughness Index)) is hereby DELETED.
- B. Unless noted otherwise, the provisions in this Section are in addition to the referenced specification.

### PART 2 -- PRODUCTS

#### 2.1 MATERIALS

- A. The bituminous material for tack coat shall be CSS-1H.
- B. Bituminous material and aggregate shall be MVWE45035B at a depth of 2" for wear course, or as shown on the typical section of the plans.

## **PART 3 -- EXECUTION**

### **3.1 CONSTRUCTION REQUIREMENTS**

#### **A. Bituminous Tack Coat**

1. The material shall be applied at the rate of 0.05 gallons per square yard.
  2. The contact surfaces of all fixed structures, the edge of the in-place mixture in all courses at transverse joints, and the wearing course at longitudinal joints shall be given a uniform coating of Liquid Asphalt or Emulsified Asphalt before placing the adjoining mixture. The bituminous material shall be applied by methods that will ensure uniform coating and in no case shall the application be excessive.
- B. The Contractor is required to use the self-propelled pneumatic tire roller as an intermediate roller on the wearing courses.
- C. The bituminous surfacing shall be constructed with maximum deviation of plus or minus 1/4-inch from the planned compacted thickness.
- D. Cut the adjacent asphalt surface prior to construction of the bituminous surface course to obtain a clean, vertical, solid edge.
- E. Compaction of all bituminous mixtures shall be by the Ordinary Compaction Method.

### **3.2 SOURCE QUALITY CONTROL**

- A. The bituminous mix shall be designed using Contractor Trial Mix Designs. A current Mn/DOT mix design may be accepted provided it represents the aggregate source and bituminous plant being used for the project, and is approved by the Engineer. No bituminous mixture shall be placed without an approved mix design.
- B. Testing of the material bituminous tack coat may be required, if determined by the Engineer, that the material appears suspect.

### **3.3 FIELD QUALITY CONTROL**

- A. A nuclear density meter and operator shall be provided by the Contractor at the beginning of each course for each typical section for each street, to establish the appropriate rolling patterns.
- B. Three (3) inch diameter core samples shall be taken by the Contractor to verify the thickness of the compacted finished bituminous structure. Sample locations shall be designated by the Engineer and made with a drilling device that produces clean sharp, vertical edges. One (1) core sample shall be taken per 200 lineal feet of street overaly (e.g. 1,000 lineal feet of street overaly would result in 5 random cores).
- C. If any cores prove deficient, the Contractor may, at its own cost and expense, take additional core samples to further define the extent of the deficiency.
- D. The Engineer shall calculate deficient pavement areas using the locations and thickness results of all core samples and prorating the thickness profile.
- E. A \$0.50 deduction per square yard will be made for each 1/8-inch deficiency of thickness beyond the specified tolerances.

- F. Reduction in payment for bituminous courses constructed to more than the maximum permissible thickness shall be in accordance with Mn/DOT Section 2350.7, except that the thickness tolerances specified herein apply.

G. Testing:

Quantity Mixture Type	REQUIRED CONTRACTOR TESTING		OWNER ARRANGED INDEPENDENT ASSURANCE TESTING		
	VMA & Air Voids	Gradation	VMA & Air Voids	Gradation	Extraction
0-500 Ton	2	1	1	1	1
500-1000 Ton	3	1	1	1	1

1. Contractor shall send a copy of the testing results to the Engineer.
2. Should any of the specified tests fail, the Contractor shall notify the Engineer immediately and shall arrange and pay for additional test as may be necessary to satisfy the Engineer that the requirements have been met.

\*\*\*\*END OF SECTION\*\*\*\*

## SECTION 02960 - PAVEMENT MILLING

### PART 1 -- GENERAL

#### 1.1 SUMMARY

- A. This section covers the furnishing of all labor, materials, tools, equipment and performances of all work and services necessary or incidental to the milling of concrete or bituminous pavement as shown on the drawings or as specified herein.

#### 1.2 METHOD OF MEASUREMENT AND PAYMENT

- A. Measurement and compensation for the following items shall be paid according to the referenced specification or as modified below:
- B. Mill Bituminous Surface
- C. Payment for milling the surface shall be made at the SQUARE YARD unit price bid for the 2-inches thickness specified.
- (a) Payment for transition milling the surface shall be made at the SQUARE YARD unit price bid for the thickness specified at the lip of the gutter and the width of the transition.
- D. The furnishing and installing of specific items and/or the performance of work under certain circumstances shall not be individually paid. The costs shall be included in the unit price bid for the milling items, as indicated. Such items of work include but are not limited to:
1. The loading, hauling and stockpiling of milled materials to a site selected by the Owner, within 1 mile of the project site, include in the price bid for pavement milling.
  2. The unloading, hauling, placement, leveling and compacting of milled materials at the designated site, include in the price bid for installation of milled materials. If the Owner requires the millings to be stockpiled, the stockpile shall be uniformly shaped.
  3. Interference of underground structures and utilities, include in the price bid for pavement milling.

(a) The removal and restoration, or protection of existing utilities that are shown on the plans and for which there is no bid item for removing and restoring, or working around the utility.
  4. Protecting existing improvements and surfaces from damage include in the price bid for pavement milling.
  5. Protecting the inverts of utility pipes from the accumulation of debris and soil, the removal of blockages which threatens to damage property, and/or the cleaning of both the newly constructed lines and the existing lines of all debris and soil which accumulated during the construction, include in the unit price bid for pavement milling.
  6. Milling headers when matching into existing perpendicular pavement roadways or surfaces, include in the price bid for pavement milling.
- E. Milling around manhole and catch basin castings and valve boxes, include in the price bid for pavement milling.

#### 1.3 SPECIFICATION REFERENCES

- A. Mn/DOT Specification Section 2232 shall apply to the milling of all pavements, except as modified herein.

B. Mn/DOT Specification Section 2211 shall apply to the installation of milled materials as an aggregate base, except as modified herein.

C. Unless noted otherwise, the provisions in this section are in addition to the referenced specification.

## **PART 2 -- PRODUCTS**

### **2.1 MATERIALS**

A. All milled materials shall remain the property of the Owner and shall be loaded, hauled, placed as directed (i.e. leveling) at a site chosen by the Owner within 1 mile of the project site. If the Owner requires the milled materials to be stockpiled, the Contractor shall load, haul and shape the material to produce uniform stockpile(s).

## **PART 3 -- EXECUTION**

### **3.1 CONSTRUCTION REQUIREMENTS**

A. No exception to the referenced specifications is made.

**\*\*\*\*\*END OF SECTION\*\*\*\*\***