



Department of Public Works
Infrastructure Services Division

Ghassan Korban
Commissioner of Public Works

Preston D. Cole
Director of Operations

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City Engineer

June 18, 2013

Official Notice No. 2013-66-1
Addendum No. 1

Please replace the attached pages to the special provisions, scope of work. The bid items remain the same.

Please acknowledge Addendum 1 in the proper section of the bid.

Very truly yours,

Jeffery Delleman
Street and Bridge Services Manager

Bituminous Chip Seal with Copper Slag Aggregate

Chip Seal bituminous pavements, using a bituminous Chip Seal with Class A, B, or C aggregate consisting of a mixture of bituminous seal coating with stone cover aggregate spread evenly on the surface as specified and directed. The pavements to be chip sealed are set forth in the attached list. The area to be covered with a chip seal shall be approximately 41,336 square yards.

The City's work prior to and following the contractor's chip seal operations will include sweeping the pavement surfaces to be sealed with mechanical sweepers, patching all holes and surface defects prior to this contract.

The posting of "No Parking Signs" and the closing of the road in accordance with "Work Zone Safety" Guidelines for Construction, Maintenance and Utility Operations Manual dated March 2013 will be the responsibility of the contractor. The contractor shall also be responsible for notifying property owners, residents and businesses affected by their chip seal Operation. The cost for posting of traffic control signs, traffic control and posting of notices to residents **shall be included** in the bid for Square Yards of Chip Seal Pavement Treatment. A copy of the notice to residents shall be submitted to and approved by DPW prior to distribution to the property owners.

The City reserves the right to adjust the chip seal yardage of the contract. The adjusted yardage shall not exceed 20% of the bid quantity.

5. **Description:** The work shall consist of bituminous seal coating with stone cover aggregate. The work shall be done in accordance with Section 4.75 2013 State of Wisconsin Department of Transportation “Standard Specifications for Highway and Structure Construction” with the Special provisions for aggregate below.

Materials: Provide a Class A, B, or C aggregate. Use aggregates, uniform in quality and free from wood, bark, roots and other deleterious materials. All Class C aggregates shall be 80% crushed one face (mechanical or natural), of the plus 4.75 mm [#4] fraction. Gradation and quality requirements are specified in the item “B” below. All percentages are by weight.

- A. **Bituminous Material:** The bituminous material to be furnished and applied shall be CRS-2P (Polymer-modified) emulsion. The emulsion shall be applied at a rate of 0.33 +/- .02 gallons per square yard. The bitumen shall be applied at the appropriate temperature for the particular grade.
- B. **Cover Aggregate:** The cover aggregate (FA-2½) shall meet the requirements of the sieve specifications, and conform to the following sieve size.

Sieve Size	<u>FA-2½</u> Percent Passing
½ inch	100%
3/8 inch	100%
¼ inch	0 – 100%
No. 4	0 – 50%
No. 8	0 – 12%
No. 16	0 – 5%
No. 50	
No. 100	
No. 200	0.0 – 1.0

Class A aggregate shall consist of crushed quarry or mine trap rock (basalt, diabase, gabbro or other related igneous rock types), quartzite, gneiss or granite. Other igneous or metamorphic quarry or mine rock may be used only with approval of the Engineer. Crushed aggregate produced from igneous or quartzite stones retained on a 100 mm (4 inch) screen will also be permitted by approval of the Engineer.

Class B aggregate shall consist of all other crushed quarry or mine rock; i.e., carbonates, rhyolite, schist.

Class C aggregate shall consist of natural or partly crushed natural gravel obtained from a natural gravel deposit. It may contain a quantity of material obtained from crushing the oversize stone in a deposit, provided such crushed material is uniformly mixed with natural, uncrushed particles.

The aggregate shall be applied at the rate of 20 +/- 2 pounds per square yard. The Contractor shall take all precautions to minimize contamination of the aggregate.