

Detailed Specifications

A. Detailed Specifications

The following specifications shall apply in conjunction with the General Conditions. In case of a conflict between the General Conditions and Detailed Specifications, the Detailed Specifications shall take precedence.

B. Applicable Specifications

All materials and work shall conform to State of Ohio, Department of Transportation 2019 Construction and Materials Specifications (CMS) in conjunction with applicable City of Canton standard specifications and project specific specifications included herein.

C. Scope of Work

This project involves the Chip Seal, followed by a Fog Seal, of various streets in the City of Canton.

1. Project Limits

A table has been provided at the end of this section which lists the streets to be chip sealed with this project.

2. Chip Seal

Chip Seal shall be performed as per ODOT CMS Item 422 – Single Chip Seal with the following provisions.

- a) Bituminous Binder – Bituminous binder shall be polymer modified CRS-2P emulsified asphalt as per ODOT CMS 702.16. For estimating purposes the aggregate shall be spread at a rate of 22 LB/SY.
- b) Cover Aggregate – Cover aggregate shall be #8 crushed slag conforming to ODOT CMS 703.05 and ODOT Supplemental 1027. For estimating purposes the binder shall be applied at a rate of 0.4 GAL/SY.
- c) Surface Preparation – Sweeping for surface preparation shall be performed using a self-propelled power vacuum type sweeper. The accumulated road dirt shall be removed from the site and disposed of as directed by the Engineer. Sweeping road dirt onto the berms and lawns or onto side ditches and catch basins will not be permitted.
- d) Casting Protection – Before applying the surface treatment, the Contractor shall cover all street castings with a tar paper or other approved cover. The Contractor shall remove the cover after the seal coating operation is completed and shall insure that all street castings are clean and operable.
- e) Inlet Protection – Catch basin, inlets, and open grate storm manholes shall be protected to prevent stone from entering the storm sewer. The inlet protection shall remain in place until after the final sweeping.
- f) Loose Stone signs – There shall be no speed plaque installed with the Loose Stone signs. The signs shall remain in place until the final sweeping.
- g) Final Sweeping – The final sweeping shall be performed a minimum of 7 days after seal coat application. A vacuum type sweeper shall be used. This sweeper shall be self-propelled and capable of removing excess aggregate without the use of rotary

broom. Water may be applied during the sweeping, by the sweeper, with a maximum application of 0.05 gallons of water per square yard. The sweeper shall be equipped with a filter to prevent the escape of dust or debris into the air. The cost of the final sweeping shall be included in Item 422 – Cover Aggregate.

3. Fog Seal

Fog seal will be a Polymer-Modified Masterseal (SMT-186PA) by SealMaster or approved equal submitted by Pre-Bid substitution process described in the bidding specifications.

- a) Installation shall be per manufacturer's instructions.
- b) For estimating purposes, the application rate shall be at a rate of 0.2 gallons per square yard.

4. Quantities

The estimated quantities for this project are provided in the table at the end of this section. The estimated quantities were determined using the rates in Section 2 - Chip Seal, and Section 3 – Fog Seal, and were provided for reference. Final quantities will be based on material used. Tickets must be provided to the Engineer to determine quantities used.

5. Maintenance of Traffic

The Contractor shall be responsible for all maintenance of traffic. All maintenance of traffic operations shall follow appropriate ODOT standards. The Contractor shall maintain local access on all streets. The cost of maintaining traffic shall be incidental to the contract.

6. Method of Payment

Payment for this project shall be made for accepted quantities at the unit price as follows:

Item 422 – Bituminous Binder	Gallon
Item 422 – Cover Aggregate	Ton
Item SPECIAL – Fog Seal	Gallon
Item 254 – Pavment Planing – 1”	SY

The payment shall include all materials and labor necessary to complete the work described in this contract including incidental items such as maintenance of traffic and mobilization.

7. Additional Funds

The City of Canton reserves the right to add additional streets to the chip and seal list through a formal change order at the bid unit cost if additional funding becomes available.

List of Streets with Approximate Lengths/Areas

7/30/2019

Street	From	To	Length (Ft.)	Area (S.Y.)
10th St SW	Raff	Wal-Mart	900	2,600
20th St NW	Fulton	Myrtle	1,160	3,100
29th St NW	Harrison	Cleveland	900	2,600
36th St NW	Harrison	Cleveland	1,250	4,170
36th St NW	Market	Frazer	2,820	11,280
37th St NW	Harrison	Cleveland	1,180	2,620
Stadium Park Dr. NW	12 th St	Washington	4,100	10,480
Stadium Park Dr. Roadside Parking Areas	12 th St	Washington	n/a	4,230
Monument Park Dr. NW	7 th St	12 th St	2,080	5,320
Monument Park Dr. NW Roadside Parking Areas	7 th St	12 th St	n/a	2,640
		Totals	14,390	49,040

Proposal Pages

We (I), the above signed hereby propose to furnish the following article(s) and/or service(s) at the price(s) and terms stated subject to all instructions, conditions, specifications, and all attachments hereto. We (I) have read all attachments including the specifications and fully understand what is required.

Ref. No.	Item No.	Description	Qty.	Unit	Material Unit Price	Labor Unit Price	Total Price
1	422	Bituminous Binder	19,620	Gal			
2	422	Cover Aggregate	540	Ton			
3	Special	Fog Seal	9,810	Gal			
4	254	Pavement Planing, Asphalt Concrete – 1”	11,280	SY			

Contractor Name: _____

Total Bid Price in Figures

\$ _____

Total Bid Price in Words

\$ _____

*****For informational purposes only. Unit Prices will govern.*****