GODERICH
Canada's prettiest town

REQUEST FOR QUOTATION MASTIC AND CRACK SEALING - WEST STREET

SCOPE OF WORK

Crack Sealing - West Street with a completion date of October 15/2021.

Mastic Sealing - West Street with a completion date of October 15/2021.

For the unit price quote, the Contractor shall supply all labour, equipment and materials to carry out the prescribed work in accordance with all federal and provincial regulations.

SCHEDULE OF ITEM AND PRICES

Item		Description	Qty.	Price	Amount
1	West Street	Mastic Sealing Supply and apply hot-pour polymer modified crack repair material (Mastic)	3,000 LM		$ _____
2	West Street	Crack sealing Supply and apply hot-pour rubberized crack filler	2,000 LM		$_____
		Sub-Total			**$_____**
		13% HST			**$_____**
		TOTAL			**$_____**

Signature:_____ Date: _____

SUBMISSION OF QUOTE

The Contractor shall submit a Performance Bond and a Labour and Material Payment Bond, each in the amount of 100% of the total quotation. These bonds must be signed and sealed. The Contractor must also submit their current WSIB form.

The successful proponent must submit a General Liability insurance certificate in the name of the Contractor, with the Town of Goderich named as additional insured, with limits of not less than $5,000,000 (five million dollars) inclusive per occurrence for bodily injury, death, and damage to property including loss of use thereof, with a property damage deductible of not more than $5,000.

A certified cheque in the amount of $2,000 must be submitted as a quotation deposit.

The deposit cheques for the unsuccessful bidders will be returned once the quotation is awarded by the Town of Goderich.

The contractor shall provide the Town of Goderich with a copy of their company's Health & Safety Policy.

The contractor shall comply with all regulations and requirements as per OTM Book 7.

DATE AND PLACE FOR RECEIVING QUOTATIONS

Quotations will be received in a sealed envelope by:

Sean Thomas, Director of Operations

Town of Goderich
57 West Street
Goderich, ON N7A 2K5

until: **Friday, July 30, 2021 at 11 AM**

Lowest or any quotation not necessarily accepted. Please contact Sean Thomas, Director of Operations at (519) 524-8344 ext. 228 if you have any questions.

Specifications

MASTIC REPAIR SPECIFICATION

(a) **MASTIC SEALING**
Mastic sealing cracks will include the cleaning and sealing of open cracks (longitudinal random and transverse cracks greater than 25mm wide, and at the discretion of the contract administrator). All Mastic repair work shall be limited to operations during the daytime when air temperatures are 5C or above and asphalt temperatures are below 50C.

(b) **CLEANING DEBRIS**
Immediately prior to placing new mastic material all dust and debris shall be thoroughly cleaned and dried using a hot compressed air lance having a discharge air temperature of approximately 500C ± 100C and an air velocity greater than 1,000mis. The cracks shall be treated with hot compressed air until the pavement in and around the cracks or groove is darkened but not burnt.

c) **MASTIC MATERIAL**
Hot applied pourable polymer modified patching and repair material is designed for pavement preservation repair and maintenance of asphalt and concrete pavements. Effectively seals cracks 25mm or larger and levels off very large concave cracks.

d) **APPLICATION**
The application shall be carried out by a contractor, experienced in the heating and application of hot applied asphalt compounds and having the properly designed equipment for controlled heating of the material. The Mastic material is not to be less than 175C and is not to reach temperatures of greater than 232C at any stage of the melting or pouring operations. The material shall be subject to continuous and positive mechanical agitation. Material heated in excess of 232C shall be wasted at the expense of the contractor. The mastic material shall be poured as soon as possible after the pouring temperature is reached. Only as much compound as can be poured in a given day shall be melted that day. Mastic compound shall not be placed unless the crack is dry clean and free of dust. The cracks shall be sealed as per the overband method in a neat and workmanlike manner. The Mastic shall be placed into the crack and spread over the crack with a “drag box” or “shoe”. The typical mastic application will leave a 10” – 12” wide swath of material. Smaller and/or larger tools can be used to repair smaller/larger cracks. The over-band should be laid as thin as possible and any high spots shall be levelled off with an iron. All tools must be heated prior to use with the material to prevent the tool from sticking to the mastic. If traffic is to be opened up immediately the repaired area shall be sprayed with Glenzoil barrier material (or equivalent) to prevent the sealing compound from tracking. The mastic repair operation must take place during the daylight hours and when the air temperature is 5C or higher and the asphalt temperature is less than 50C.

e) **EQUIPMENT**
The heating kettle must an oil-jacketed double boiler type with constant or full sweep agitation to keep the aggregate suspended in the material.

f) **MEASUREMENT FOR PAYMENT**

i) The Unit Price Bid shall be compensation in full for all labour, equipment, and material necessary to supply and apply the material specified in the RFQ.

ii) Notwithstanding, payment shall be based upon the Unit Price Bid and the number of linear metres of Mastic applied as determined by field measurements as recorded by the Project Manager or their designate.

CRACK SEALING SPECIFICATION

(a) **CRACK SEALING**

Sealing cracks will include the cleaning and sealing of open cracks (longitudinal random and transverse cracks less than 25mm wide, at the discretion of the contract administrator). All repair work shall be limited to operations during the daytime when air temperatures are 5C or above and asphalt temperatures are below 50C.

(b) **CLEANING DEBRIS**

Immediately prior to placing new joint/crack sealing material all dust and debris shall be thoroughly cleaned and dried using a hot compressed air lance having a discharge air temperature of approximately 500C ± 100C and an air velocity greater than 1,000mis. The cracks shall be treated with hot compressed air until the pavement in and around the cracks or groove is darkened but not burnt.

c) **HOT RUBBER ASPHALT JOINT SEALING MATERIAL**

Hot applied rubber asphalt sealing compounds, specifically designed materials that form a resilient adhesive effective seal for cracks and joints in pavements on highways, bridges, sidewalks, etc. will fully conform with Federal Specifications SS-S-164, OPSS 1212 CAA Specifications P-605 and ASTM D-6690-01, Type IV with a modified resiliency. The sealant material must be listed on the All District MTO Designated Sources List.

d) **APPLICATION**

The application shall be carried out by a joint sealing contractor, experienced in the heating and application of hot applied rubber asphalt compounds and having the properly designed equipment for controlled heating of the material. The sealing compound is not to be less than 175C and is not to reach temperatures of greater than 232C at any stage of the melting or pouring operations. The material shall be subject to continuous and positive mechanical agitation. Material heated in excess of 232C shall be wasted at the expense of the contractor. The joint sealing compound shall be poured as soon as possible after the pouring temperature is reached. Only as much compound as can be poured in a given day shall be melted that day. Sealing compound shall not be placed unless the joint crack is dry clean and free of dust. The joints/cracks shall be sealed as per the overfill method as outlined in OPSD 508.010 in a neat and workmanlike manner. The sealant shall be placed into the unrouted crack and spread over the crack with a squeegee or with the wand. The sealant centered over the crack shall be shaped with a squeegee or wand as thin as possible into an overband approximately 50mm wide. If opening to traffic immediately, the sealant shall be sprayed with Glenzoil barrier material (or equivalent) to prevent the sealing compound from tracking. The sealing operation must take place during the daylight hours and when the air temperature is 5C or higher and the asphalt temperature is less than 50C.

e) **MEASUREMENT FOR PAYMENT**

i) The Unit Price Bid shall be compensation in full for all labour, equipment, and material necessary to supply and apply the material specified in the RFQ.

ii) Notwithstanding, payment shall be based upon the Unit Price Bid and the number of linear metres of cracks sealed as determined by field measurements as recorded by the Project Manager or their designate.