

REQUEST FOR PROPOSAL

RANDOM CRACK SEALING FOR BITUMINOUS PAVEMENTS

RANDOM CRACK SEALING OF BITUMINOUS CONCRETE PAVEMENT

DESCRIPTION:

WORK UNDER THIS SECTION OF THE SPECIFICATION CONSISTS OF FURNISHING ALL EQUIPMENT, LABOR, AND MATERIALS REQUIRED TO PERFORM ALL OPERATIONS IN CONNECTION WITH THE RESHAPING, CLEANING, DRYING, AND SEALING OF ALL RANDOM, CONSTRUCTION AND THERMAL CRACKS IN A BITUMINOUS CONCRETE PAVEMENT. THE REMOVAL OF ALL VEGETATION, GRASS, DIRT AND DEBRIS AND THE PREPARATION OF THE CRACKS, AS REQUIRED BY THE FIELD CONDITIONS AND THE ENGINEER, SHALL BE PERFORMED PRIOR TO THE SEALING OF THE CRACKS IN THE BITUMINOUS CONCRETE.

MATERIALS:

MATERIALS SHALL MEET THE REQUIREMENTS OF NHDOT STANDARD SPECIFICATION SECTION 413.

EQUIPMENT:

EQUIPMENT USED IN THE PERFORMANCE OF THIS WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER AND MAINTAINED IN A SATISFACTORY WORKING CONDITION AT ALL TIMES.

AIR COMPRESSOR: AIR COMPRESSORS SHALL BE PORTABLE AND CAPABLE OF FURNISHING NO LESS THAN 100 CUBIC FEET OF AIR PER MINUTE AT NOT LESS THAN 90 LBS. PER SQUARE INCH PRESSURE AT THE NOZZLE. THE COMPRESSOR SHALL BE EQUIPPED WITH TRAPS THAT WILL MAINTAIN THE COMPRESSED AIR FREE OF OIL AND WATER.

HOT-AIR LANCE: HOT-AIR LANCES FOR BLOWING CLEAN AND DRYING CRACKS SHALL BE AN APPROVED PROPANE GAS BURNER AND COMPRESSED AIR DEVICE THAT DOES NOT ALLOW THE FLAME TO TOUCH THE PAVEMENT.

PAVEMENT CUTTER: THE PAVEMENT CUTTER (ROUTER) SHALL HAVE A SET OF (6) STAR-SHAPED CARBIDE-TIPPED CUTTERS RADIALLY MOUNTED AROUND A FLYWHEEL, HELD IN PLACE ON HARDENED STEEL PINS. THE CUTTERS SHOULD BE ADJUSTABLE BY RE-ARRANGEMENT OF HOLDING SPACERS TO ACHIEVE A MAXIMUM CUT WIDTH OF TWO INCHES (2") AND A MINIMUM CUT OF THREE-EIGHTHS (3/8"). THE PAVEMENT CUTTER SHALL BE CAPABLE OF CUTTING WITH EASE. A MINIMUM TWENTY (20) H.P. ENGINE SHALL POWER THIS UNIT.

MELTING KETTLE: THE UNIT USED TO MELT THE JOINT SEALING COMPOUND SHALL BE A DOUBLE BOILER, INDIRECT FIRED TYPE KETTLE. THE SPACE BETWEEN THE INNER AND OUTER SHELLS FILLED WITH OIL OR OTHER HEAT TRANSFER MEDIUM HAVING A FLASH POINT OF NOT LESS THAN 530 DEGREES F. THE KETTLE SHALL INCLUDE POSITIVE TEMPERATURE CONTROLS, AUTOMATIC AND CONTINUOUS MECHANICAL AGITATION, RECIRCULATING PUMPS AND THERMOMETERS FOR CONTINUOUS TEMPERATURE READING OF THE SEALING COMPOUND AND THE HEAT TRANSFER MEDIUM. THE KETTLE SHALL BE EQUIPPED WITH A THERMOSTAT TO MAINTAIN THE SEALING COMPOUND WITHIN THE RANGE OF TEMPERATURES SPECIFIED BY THE MANUFACTURER.

APPLICATION WAND: THE APPLICATION SHALL BE ATTACHED TO THE KETTLE WITH A HEAT RESISTANT HOSE EQUIPPED WITH A SHUT-OFF VALVE CAPABLE OF COMPLETELY STOPPING THE FLOW OF MATERIAL BETWEEN CRACKS. THE MATERIAL SHALL NOT BE ALLOWED TO SIT IDLE IN THE WAND FOR A PERIOD GREATER THAN THIRTY (30) SECONDS. SHOULD THE DELAY BE GREATER THAN THIRTY (30) SECONDS, THE MATERIAL IN THE WAND SHALL BE RECIRCULATED INTO THE KETTLE TO ENSURE PROPER TEMPERATURE OF THE SEALANT AT THE TIME OF APPLICATION. THE APPLICATION WAND SHALL BE EQUIPPED WITH A SHOE, WHICH WILL ALLOW MATERIAL TO FILL THE CRACKS FROM THE BOTTOM UP, AND TO LEAVE AN OVERBAND ON THE SURFACE. THE OVERBAND SHALL BE KEPT TO A MINIMUM WHEREVER POSSIBLE.

PREPARATION:

THE MAJOR RANDOM, TRANSVERSE, AND LONGITUDINAL JOINTS AND CRACKS 1/8" AND WIDER SHALL BE WIDENED TO A MINIMUM OF 1/2" WIDE WITH A DEPTH OF 1/2" BY USE OF A PAVEMENT CUTTER. ALL CRACKS ARE TO BE CLEANED OF ALL DIRT, MOISTURE, FOREIGN MATERIAL AND LOOSE EDGES BY USE OF A HOT-AIR LANCE. TWO PAVEMENT CUTTERS (ROUTERS) SHALL BE ON SITE DURING THE SEALING PROCESS IN CASE OF MECHANICAL FAILURE.

APPLICATION:

SEALER SHALL BE DELIVERED TO THE PAVEMENT SURFACE WITH A PRESSURE HOSE LINE AND APPLICATOR SHOE AT THE TEMPERATURE SPECIFIED BY THE MANUFACTURER. OVER-BAND OF SEALER MAY NOT BE WIDER THAN THREE (3) INCHES. A SEPARATING AGENT (AS RECOMMENDED BY THE MANUFACTURER) SHALL BE APPLIED ONLY AS NECESSARY TO PREVENT TRACKING OF SEALANT (I.E. INTERSECTIONS AND DRIVEWAYS).

TRAFFIC CONTROL:

THE TRAFFIC CONTROL SHALL BE IN STRICT ADHERENCE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) TO ENSURE THE SAFETY OF THE CREW, AND TRAVELING PUBLIC. THE SETUP SHALL INCLUDE BUT NOT BE LIMITED TO ROAD SIGNS, SAFETY VESTS, AND FLAGGERS WHERE NECESSARY AND TRAFFIC CONES.

TOWN OF GOFFSTOWN--BID SPECIFICATION SCHEDULE RANDOM CRACK SEALING SERVICES-BITUMINOUS CONCRETE PAVEMENT

THE TOWN OF GOFFSTOWN IS REQUESTING PRICING INFORMATION AND AVAILABILITY ON THE PURCHASE OF RANDOM CRACK SEALING SERVICES FOR BITUMINOUS CONCRETE PAVEMENT AT LOCATIONS THROUGHOUT THE TOWN AS SPECIFIED BY THE PUBLIC WORKS DEPARTMENT. THE LIST OF ROADS TO BE COMPLETED IS ATTACHED. ALL BIDS MUST BE RECEIVED IN A SEALED ENVELOPE, CLEARLY MARKED WITH THE WORDS "2009 SEALING BID" NO LATER THAN 2:40 P.M. ON APRIL 1, 2009. BIDS WILL BE OPENED AND PUBLICLY READ AT THAT TIME. ANY QUESTIONS SHOULD BE DIRECTED TO CARL L. QUIRAM, DIRECTOR OF PUBLIC WORKS, AT 603-497-3617, MONDAY THRU FRIDAY, BETWEEN 7:00 AM AND 3:30 PM. ALL WORK UNDER THIS CONTRACT MUST BE COMPLETED BY OCTOBER 31, 2009 AND BE DONE TO THE SPECIFICATIONS ATTACHED.

BID RESPONSE MUST BE BASED ON ALL LABOR AND MATERIALS PER ATTACHED SPECIFICATIONS.

\$ _____ PER POUND

_____ PRODUCT TO BE USED AS SEALANT

ANTICIPATED DELIVERY DATE: _____

WARRANTY/GUARANTEE _____

SUBMITTED BY _____

SIGNATURE _____ TITLE _____

TELEPHONE # _____

FAX # _____

DATE: _____

ANY DEVIATION FROM THE ABOVE STATED SPECIFICATIONS MUST BE SO NOTED AND ANY BID PRICES MUST BE REFLECTIVE OF THESE DEVIATIONS. THE FOB IS ALWAYS TO BE GOFFSTOWN UNLESS OTHERWISE STATED BY THE BIDDER. AN FOB POINT OTHER THAN THE TOWN OF GOFFSTOWN MUST BE SO STIPULATED BY THE BIDDER.

LEGAL NOTICE

THE TOWN OF GOFFSTOWN
DEPARTMENT OF PUBLIC WORKS IS
REQUESTING BID PROPOSALS FOR RANDOM
CRACK SEALING OF VARIOUS ROADS TO BE
DETERMINED BY THE DIRECTOR OF PUBLIC
WORKS. ALL PROPOSALS MUST BE
SUBMITTED IN A SEALED ENVELOPE,
CLEARLY MARKED ON THE OUTSIDE WITH
THE WORDS "2009 SEALING BID" AND
RECEIVED BY **2:40 P.M. ON 4/01/09**, AT THE
TOWN OFFICES ON 16 MAIN STREET,
GOFFSTOWN, NH 03045. BIDS WILL BE
OPENED AND PUBLICLY READ.

**THE TOWN OF GOFFSTOWN RESERVES THE
RIGHT TO ACCEPT OR REJECT ANY AND ALL
BIDS AS WELL AS WAIVE ANY
INFORMALITIES WHICH ARE IN THE BEST
INTEREST OF THE TOWN.**

CARL L. QUIRAM, P.E.
DIRECTOR OF PUBLIC WORKS

2009 Crack Sealing	From	To	Sq Yd
Parker Road			978
Depot Street			4,114
Factory Street			444
Transfer Station & DPW Lot			25,000
Mast Road			47,314
Center Street	Tibbetts Hill	Juniper	7,333
Tibbetts Hill Road	Orchard	Town Line	25,188
Wallace Road	High School	Town Line	46,239
Kennedy Hill Road	Addison	Shirley Hill	43,408
Walnut Hill Road			8,727
Stacy Lane			2,234
Crestwood Ln			3,837
Ridgewood Ln			7,588
Ryan Rd			3,243
Benjamin			5,369
Acorn Rd			4,962
Rockland Street			2,814
Horizon Dr			5,278
Katherine St	all		1,711
Marion St	all		2,422
McElroy St	all		1,144
Monarch Dr	old section		8,650
Lindsey Way	old turnaround to East Dunbarton		9,803
Sharon St	all		2,717
Roy St	all		2,268
Rainbow Dr	all		3,756
Merrill Road			6,100
Greer Road			4,872
New Road			1,122
Summit Road Wearcourse			12,418
Walnut Hill Road			
Wearcourse			3,800
Crestwood	all		3,837
Kidder Ct & Ploss Lane Wearcourse			2,500
Jason Drive			9,075
Diamond Lane			6,188
Emerald Circle			4,384
Silver Lane			2,342
Mooseclub Road			9,336
Circle Lane			1,889
Portage Road			10,859
Paige Hill	Locust Hill	Stinson	19,279
Hillcrest			7,992
Heather Hill			9,373
Honeysuckle			1,848
Bayberry			2,603
Jasmin Lane			6,283
Smith Rd & Ben Circle	all		6,677
Reed St & Cottage St	all		1,664
Mill Street	all		2,500
Cinnamon Drive			9,283
Ginger Drive			9,717
Sage Street			6,622
Peppermint Street			13,067

Pinardville Heights		1,462
Main Street		10,252
East Dunbarton Rd	new section by Pollard	2,444
East Dunbarton Rd	Montelona Rd Town Line	20,959
Gorham Pond Road		25,296
Saunders Road		4,454
Montelona Road		24,248
Back Mountain Rd		32,104
Moreau Street		4,847
Juniper Drive		11,978
Raymond Road		2,364
Lucille Drive		1,570
Plimpton Road		1,040
Orchard Hill		4,815
Eagles Nest		3,056
Parker Station Road		9,088
Barnard Lane Parking Lot		3,056
Parks & Recreation Parking Lot		2,111
Town Hall Parking Lot		2,500
Police Department Parking		2,889
Fire Department Parking		
Lots		3,022
Tyler Drive		4,796
Goffstown Back Road		33,733
Clancy		4,558
Joffre		2,624
Van Buren Circle		13,230
Orchard Hill		4,815
Libby Street		4,079
Haig Street		2,620
McQuigan Street		1,509
Alpine		3,223
Regina		1,079
Friendship		1,232
Harvey		2,453
Gold Finch		7,025
Evergreen		3,965
Ashlar Drive		3,953
Ashlar Circle		554
Bailey Ct		277
Knollcrest Dr		4,627
Locker Rd		715
Total Crack Seal		726,791



Town of Goffstown

DEPARTMENT OF PUBLIC WORKS

Town of Goffstown

Goffstown, NH

ADDENDUM #1 TO

Bid Specification for the

2009 Sealing Bid

Add the following roads to the Bid Spec:

Mountain Road - 40,970 Sq. Yds.

Snook Road - 7,400 Sq. Yds.

New Total Crack Seal - 775, 161 Sq. Yds.

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Acorn Rd			4,962
Alpine			3,223
Ashlar Circle			554
Ashlar Drive			3,953
Back Mountain Rd			32,104
Bailey Ct			277
Barnard Lane Parking Lot			3,056
Bayberry			2,603
Benjamin			5,369
Center Street	Tibbetts Hill	Juniper	7,333
Cinnamon Drive			9,283
Circle Lane			1,889
Clancy			4,558
Crestwood	all		3,837
Crestwood Ln			3,837
Depot Street			4,114
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East Dunbarton Rd	Montelona Rd	Town Line	20,959
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Fire Department Parking Lots			3,022
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Hillcrest			7,992
Honeysuckle			1,848
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Mooseclub Road			9,336
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Tyler Drive			4,796
Van Buren Circle			13,230
Wallace Road	High School	Town Line	46,239
Walnut Hill Road			8,727
Walnut Hill Road			
Wearcourse			3,800
Total Crack Seal			775,161