

**TOWN OF WAYNE
Full Depth Reclamation and Paving
Advertisement for Bids**

The Town of Wayne will be conducting full depth reclamation and paving project on the following roads: **Bridge Street, Coolidge Road, Road, Gott Road, Lake Street, Leadbetter Road and Memorial Park Lane**. For complete bid specifications, go online to www.waynemaine.org or contact the Town Office.

All bids must be submitted on the form supplied by the Town in sealed bid format. All questions regarding the bidding or specifications must be directed to Aaron Chrostowsky, Town Manager, by mail at P.O. Box 400, 48 Pond Road, Wayne, ME 04284, by email at townmanager@waynemaine.org, by fax at (207) 685-3836 or by telephone at (207) 685-4983.

Bids due no later than Thursday April 30, 2020 at 1:00 PM.

Bids opened on Thursday April 30, 2020 at 1:00 PM.

Bids awarded on Tuesday May 5, 2020 at 6:30 PM by Selectboard

The Selectboard reserves the right to waive formalities or reject any or all bids when such action is in the best interest of the Town.

Town of Wayne, Maine

Full Depth Reclamation and Paving Project Specifications

Sealed bids shall be clearly labeled "**Full Depth Reclamation and Paving Bid**" on the outside of envelope and submitted to:

Town of Wayne
Attn: Aaron Chrostowsky, Town Manager
P.O. Box 400/ 48 Pond Road
Wayne, Maine 04284

Bid Due (Due No Later Than):

**Thursday April 30, 2020
At 12 Noon Town Office**

Bid Opening:

**Thursday April 30, 2020
At 12 Noon Town Office**

Bid Award:

**Tuesday May 5, 2020
At the 6:30 PM Selectmen's Meeting**

SECTION I

A. Description of Work

The Town of Wayne will be conducting full depth reclamation and paving project on **Bridge Street, Coolidge Road, Gott Road, Lake Street, Leadbetter Road and Memorial Park Lane**. The work shall consist of two parts: (1) full depth reclamation, and (2) paving. All work shall be constructed as outlined in these specifications and as directed by the Municipal Representative. The Town of Wayne reserves the right to do any or all of the following work, as our budget will allow.

B. Scope of Work to be performed by the contractor:

Part 1 Full depth, reclamation (maximum depth 12”)

- **Reclaim “leave in place”, Fine Grade “reshape road base” and Compact**

Approximate dimensions:

Bridge Street,	350’ long x 18’ wide	700 SY
Coolidge Road, (Main St. to Gravel)	750’ long x 21’ wide	1,750 SY
Gott Road,	2,325’ long x 21’ wide	5,425 SY
Ladd Rec. Ctr. Parking Lot,	140’ long x 40’ wide	622 SY
Lake Street,	660’ long x 14’ wide	1,027 SY
Leadbetter Road,	3175’ long x 20’ wide	7,056 SY
Memorial Park Lane,	830’ long x 18’ wide	1,660 SY
Total		18,240 SY

- **Fine Grade “reshape road base” and Compact**

Approximate dimensions:

Coolidge Road, (Paved to End)	850’ long x 18’ wide	95 SY
Total		95 SY

Part 2 Paving

- **Hot mix asphalt, base course of 2” lift of MDOT 19.0mm / B mix. Three (3) foot aprons at driveways.**

Approximate dimensions:

Bridge Street,	350’ long x 18’ wide	79 tons
Coolidge Road (Main St. to Gravel)	750’ long x 20’ wide	188 tons
Gott Road,	2,325’ long x 20’ wide	582 tons
Ladd Rec. Ctr. Parking Lot,	140’ long x 40’ wide	70 tons
Lake Street,	660’ long x 14’ wide	116 tons
Leadbetter Road,	3175’ long x 20’ wide	794 tons
Leadbetter Rd. Turnaround	25’ x 50’	16 tons
Memorial Park Lane,	830’ long x 18’ wide	187 tons
Memorial Park Ln. Turnaround	25’ x 50’	16 tons
Estimated tonnage =		2,048 tons

- **Apply tack coat per MDOT Standard Specifications.**
- **Hot mix asphalt, surface course, 1” lift of MDOT 12.5mm / C mix.**

Approximate dimensions:

Bridge Street,	350’ long x 18’ wide	40 tons
Coolidge Road, (Main St. to Gravel)	750’ long x 20’ wide	94 tons
Gott Road,	2,325’ long x 20’ wide	291 tons
Ladd Rec. Ctr. Parking Lot,	140’ long x 40’ wide	35 tons
Lake Street,	660’ long x 14’ wide	58 tons
Leadbetter Road,	3,175’ long x 20’ wide	397 tons
Leaderbetter Rd. Turnaround	25’ x 50’	8 tons
Memorial Park Lane,	830’ long x 18’ wide	94 tons
Memorial Park Ln. Turnaround	25’ x 50’	8 tons
Estimated tonnage =		1,025 tons

- **Cold mix asphalt, Install 3” cold mix asphalt
Three (3) foot aprons at driveways.**

Approximate dimensions:

Coolidge Road (Paved to end),	850’ long x 18’ wide	
Estimated tonnage =		287 tons

- **Latex Modified Chip Seal**

Approximate dimensions:

Coolidge Road (Paved to end),	850’ long x 18’ wide
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Hot Mix Asphalt

C. Equipment Requirements

1. All Hauling Equipment used on the project will meet the requirements of the most recent edition of MDOT Standard Specifications, section 401.08
2. All Pavers used on the project will meet the requirements of the most recent edition of the MDOT Standard Specifications, section 401.09
3. All Rollers used on the project will meet the requirements of the most recent edition of the MDOT Standard, section 401.10

D. Plant Requirements

1. Batch and Drum Plants used to produce mix for this project shall meet the requirements of the most recent edition of the MDOT Standard Specifications, section 401.07
2. The automation of batching shall meet the requirements of the most recent edition of the MDOT Standard Specifications, section 401.072
3. At automatic mixing plants, automatic tickets shall be printed which meet MDOT Standard Specifications, section 401.073

E. Materials

1. The Hot Mix Asphalt shall be composed of a mixture of aggregate and bituminous material. The aggregate fractions shall be sized, uniformly graded, and combined in accordance with the submitted designs.
2. The Contractor shall submit, for the Municipal Representative's approval, a current job mix formula (JMF). If an alternate design similar to the former MDOT designs for B, C, or D mixes is desired, the contractor shall submit a previously MDOT - approved JMF's conforming to the MDOT Standard Specifications, Revisions of April 1995. The JMF's shall be reviewed and approved by the Municipal Representative or an independent testing agency prior to submittal. All JMF's will be required to accompany the bid form.
3. The job mix formula shall state the source, gradation, and percentage of each fraction of the aggregate and filler, if required. It shall state the name of the refiner and the supplier of the particular bituminous material to be used and the plant location.

F. Construction

1. Prep for paving: Fine grade road for pavement. Contractor shall be responsible for determining the existing grade, establishing centerline, plotting a road profile, setting side stakes at fifty (50) feet intervals and establishing finish grade prior to paving.
2. All paved driveway entrances shall have a butt cut apron that matches into the existing pavement. Graveled driveways shall have a 3-foot paved apron. Any driveway that is lower than the street shall have a berm installed so as to prevent surface water from entering the driveway unless otherwise specified by the Municipal Representative. For drives, sidewalks, and other incidental handwork off the traveled way, commercial "D" mix may be used.
3. Contractor shall place reflective delineator posts, drums or cones spaced a minimum of every 100' apart, in areas where shoulder drop is 2 inches or more from the pavement surface.
4. The construction of Hot Mix Asphalt shall be carried on only when the surface on which the material is to be placed is dry, and when the atmospheric temperature is above 45° F and rising, and all paving will be completed by **October 1st, 2020**.

5. All paving operations shall cease when the surface to pave is wet as determined by the Municipal Representative.
6. Earliest start date is **May 16, 2020**. Latest completion date is October 1st, 2020.
7. **All traffic control (flagmen, signs, barricades and any other safety devices necessary to control and direct traffic during reconstruction and paving operations) will be provided by the contractor and all traffic control devices and setups shall conform to the latest edition of Part VI of the Manual on Uniform Traffic Control Devices (MUTCD).**
8. The cross-slope of the final paved surface shall be as close to 1/4" drop per foot of lane width (2%) as possible except in super elevated areas.
9. Surface tolerances shall be checked according to MDOT Standard Specifications, sections 401.101.
10. All mixing, spreading, finishing, and compacting and constructing joints shall meet MDOT Standard Specifications, sections 401.14, 401.15, 401.16, 401.17 respectively.
11. The contractor shall furnish the Town of Wayne or their designee the daily load tickets verifying the total cubic yards of material used.
12. All work performed under this contract price will be included in the lump sum price.
13. **The contractor shall be responsible for maintaining dust control, proper signage and traffic control.**

G. Testing

All materials and every detail of work will be subject to inspection by the Municipal Representative. The Municipal Representative shall be allowed access to all parts of the work. The Municipal Representative shall also have the right to inspect and test, at the Municipality's expense, by the following methods:

1. Pavement Samples

- a) Core samples for density testing will be taken in accordance with AASHTO procedures every 1000 tons.
- b) Samples of the Hot Mix Asphalt will be taken in accordance with AASHTO procedures every 1000 tons to check for Asphalt Content, Gradation, and Theoretical Maximum Density.
- c) All test results will be required to be within the allowable tolerances given in Section 400 of the most recent edition of the MDOT Standard Specifications.
- d) Upon demand from the Municipal Representative, the Contractor must supply a ten foot straightedge. The surface, when tested, shall be in accordance with Section 401.20 of the most recent edition of the MDOT Standard Specifications.

2. Acceptance

- a) If the Municipal Representative requests it, the Contractor shall remove portions of the finished work as may be directed. After examination, the Contractor shall restore the removed areas of the work to the standards of the specifications. Should the exposed work prove to be acceptable, in the judgment of the Municipal Representative, the removing and replacing of the covering or making good the parts removed will be paid for as extra work. Should the work exposed prove to be unacceptable in the judgment of the Municipal Representative, the removing and the replacing of the material will be at the Contractors expense.

ANY WORK DONE WITHOUT SUPERVISION OR INSPECTION BY AN AUTHORIZED MUNICIPAL REPRESENTATIVE MAY BE ORDERED REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE UNLESS THE MUNICIPAL REPRESENTATIVE FAILED TO INSPECT AFTER HAVING BEEN GIVEN REASONABLE NOTICE WITHIN 72 HOURS THAT WORK WAS TO BE PERFORMED.

Cold Mix Asphalt

1. DESCRIPTION

Work under this contract shall consist of the Contractor furnishing all equipment and materials to **Manufacture & Place Cold Mix Asphalt**. The cold mix shall be processed through a pugmill, and follow a job mix formula submitted by the Contractor and approved by the Road Commissioner or his/her Designee. Placement of cold mix asphalt shall be done at a depth of 2 inches compacted.

2. MATERIALS

a. Liquid Asphalt

Liquid asphalt grades for production shall be: **MS-4, CMS-2 or HFMS-2**.

The type and grade of liquid asphalt shall be approved by the Road Commissioner prior to commencing work.

b. Aggregate

The aggregates shall be purchased by the Contractor and shall be free from dust and thoroughly blended or screened before stockpiling. The aggregate gradation shall conform to design formulas in 3(c), "DENSE BINDER", "DENSE TRUE & LEVEL" or "DENSE TOP", or as approved by the Designee.

c. Composition of Mixture

The aggregate and asphalt shall be thoroughly mixed so that the asphalt material is uniformly distributed throughout, providing a minimum of 90% of the aggregate particles are uniformly coated when placed on the roadway. **A Minimum of 30% of the aggregate utilized in the mix design shall be 3/8 or 1/2" crushed aggregate. 85% of the "crushed" aggregate shall have two fractured faces to be deemed crushed aggregate.** Prior to commencing work, the Contractor shall submit the mix design including the aggregate source to the Road Commissioner for approval. All mixture placed shall be stable under normal traffic conditions, displacement shall be remedied by the Contractor.

COLD MIX SPECIFICATIONS

SIEVE SIZE	STABILIZE BASE	DENSE BINDER	DENSE TRUE & LEVEL	DENSE TOP	OPEN BINDER	OPEN TOP
2"	100					
1 1/2"		100			100	
1"		95 - 100				
3/4"			100		90 - 100	
1/2"		70 - 100	95 - 100	100	30 - 100	100
3/8"				85 - 100	10 - 60	85 - 100
#4	25 - 65	30 - 70	60 - 80	50 - 90	0 - 25	10 - 50
#8		20 - 60	50 - 75	25 - 65	0 - 10	0 - 15
#30		8 - 35	15 - 45	8 - 35		
#50		3 - 20	5 - 20	3 - 20		
#200	0 - 10	0 - 4	0 - 4	0 - 4	0 - 3	0 - 3
Residual % Bitumen						
	2.5 - 4.0	3.5 - 4.5	3.7 - 4.7	4.0 - 5.0	2.8 - 4.0	3.0 - 4.4

3. MATERIAL QUANTITIES

The quantity of asphalt material to be used shall be in the range of 11 to 21 gallons per ton of aggregate (See above for type of application) to meet desired residual percentages. The Contractor will design specific material quantities to meet existing field conditions & placement depths. The Contractor & Designee shall agree on the method used to quantifying tons to be placed prior to work beginning.

4. EQUIPMENT

The equipment used by the Contractor shall include one or more of the following:

a. Pugmill

Mix shall be done with a rotating twin paddle shaft pugmill providing suitable pressure-kneading action in mixing. The hydraulically driven pugmill shall be able to mix material in a crossing pattern for more thorough mixing. Mixing by blading, shoveling, and/or scooping will not be permitted. The mixer shall be a continuous traveling type pugmill designed to accurately proportion by weight, so that.....
when the aggregate and asphalt materials are incorporated in the mix a thorough and uniform coating will result. The mixer shall be equipped to mechanically or electrically interlock the asphalt feed with the aggregate feed such that uniformity of the mixture is assured at all times.

The traveling pugmill mixer shall be provided with volumetric or other gauging equipment which shall be capable of providing accurate control at all times of the amount of aggregate entering the mixer per time interval. The mixer shall be equipped with a positive displacement metering system capable of totaling the quantity of asphalt material applied to the mixing chamber. The capacities of the cold feed bins shall be sufficient to maintain a continuous flow of material. Each bin shall have a mechanical device for uniform feeding of the aggregate. The mixer unit shall be approved by the Road Commissioner or his/her Designee prior to commencing any work.

b. Placing Operations

Placing operations shall conform to acceptable paving practices. Mixtures produced under this contract shall be placed on the roadway with a highway class paver, equipped with a power adjustable main screed. Pavers shall meet the following minimum requirements.

- a. A track or rubber tire mounted highway class paver with a minimum tractor weight of 28,000 pounds, and a minimum main screed width of 8 feet.
- b. All paver screeds shall be outfitted with auger and tunnel extensions as recommended by the manufacturer, and have power extendible, activated, and heated screed extensions designed by the manufacturer for highway paving. Screeds shall be configured to place mixtures to the required width, crown, and breakpoints.

Immediately after the material is spread it shall be rolled and compacted by two or more 7 - 10 ton steel 2-axle wheel (one being vibratory) rollers.

H. Miscellaneous

1. Pre-inspection

Each Contractor, before submitting an offer, shall become completely familiar with the required work and shall rely on their own investigation. The Municipal Representative will be available to have the site/sites proposed for reconstruction / paving inspected. No consideration will be granted for any alleged misunderstanding of the material to be furnished, the work to be done, or for any defects in the final product that are the result of the absence of pre-inspection of a site.

2. Right to change or additional work

The municipality reserves the right to negotiate change orders or extra work with the Contractor.

3. Clean up

At the completion of paving, each site shall be left in a neat and clean condition, subject to approval of the Municipal Representative.

4. Performance bond

The Contractor shall submit to the Municipality a Performance Bond in the amount of 100% of the Contract within ten (10) days after receipt of notice of acceptance of the Contractor's offer or part of the offer. These bonds shall be issued by a bonding company licensed to do business in the State of Maine. Failure to provide this bond is a material breach of contract and may, in the discretion of the Municipality, result in termination of the Contract.

5. Insurance

The Contractor will maintain liability insurance that the Town as an additional insured in an amount not less than the amount established by the Maine Tort Claims Act (currently \$400,000) per occurrence, for personal injury, death and property damage claims which may arise from work under this contract. The contractor shall give the Town an insurance certificate indicating at a minimum the contractor's business automobile, worker's compensation, and general liability insurance coverage. The Town of Wayne is to be named as an additional insured. **The Contractor shall furnish, to the municipality, a certificate of insurance, with bid form demonstrating insurability.** The failure to provide this certificate will constitute a breach of the Contract and may, in the discretion of the municipality, result in termination of the Contract. The Contractor shall furnish to the Municipality a copy of an insurance policy within one month notice to the Contractor of the acceptance of its offer.

6. Indemnification

To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Municipality, and their agents, and employees against all claims, damages, losses and expenses, including, but not limited to, attorneys' fees arising out of or resulting from the performance of the work regardless of standard of care. This indemnification extends to all costs and all attorneys' fees incurred by the Municipality.

7. Acceptance period

The Municipality shall have up to a maximum of 30 days from date of bid opening to accept an offer.

8. Notice of acceptance

The Contractor will be notified in writing by the municipality of the acceptance of its offer in whole, or in part, within five (5) business days of when it has been accepted. Failure to comply with this notice requirement shall constitute a breach of the Contract. An offer cannot be accepted verbally.

9. Rejection of offers

The Municipality reserves the right to reject any or all proposals whenever such rejection is in their best interest. The Municipality reserves the right to reject the proposal of a Contractor who has previously failed to perform properly or to complete on time Contracts of a similar nature. The Municipality also reserves the right to reject a proposal from a Contractor if an investigation shows that the Contractor is not in a position to perform the Contract.

10. Payment

The Municipal Representative shall make payment in full after completion, inspection and acceptance. The Unit Price per ton or square yard will include, as required, surface preparation, mobilization, labor, hauling and placing material, rollers, shoulder re-hab work, traffic control, and final cleanup.

11. Warranties

The Contractor guarantees that the work to be done under this contract and the materials to be furnished by the supplier for use in the construction of the same will be free from defects or flaws. This warranty shall be for a period of one year.

SECTION II

BID FORMS

We herewith submit our bid for the Town of Wayne, Maine full depth reclamation and paving projects in accordance with the requirements, specifications, attached bid forms, and herein acknowledge as follows:

1. That the needs for products and services are the best estimates of communities at the time of this bid, but that these estimates may vary. We agree to supply the products and services required, whether more or less than these estimates, at the prices quoted herein.
2. We carry General Liability (including Products Liability) and Worker Compensation insurance, which is in force and shall remain in force during the term of this contract.
3. Our company is bondable and a Performance Bond will be provided if awarded any portion of this bid.
4. We agree to comply with the General Specification requirements relating to pricing and reporting requirements for products and services provided under this bid.
5. All prices quoted shall be firm for the term of this contract.

Company Name _____

Address _____

Telephone _____

Printed Name and
Title of Owner or
Authorized Individual _____

Signature _____

TOWN of WAYNE, MAINE
Full Depth Reclamation and Paving Project
BID SHEET

FY 2020

Bidder: _____ Date: _____

<u>PROJECT</u>	<u>BID QUANTITIES</u>	<u>UNIT PRICE</u>	<u>DOLLAR AMOUNT</u>
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Part #1 Full depth, reclamation: (maximum depth 12")

- **Full depth, reclamation**
Fine Grade “reshape road base” and Compact
 Approximate dimensions = 18,240 SY

- **Fine Grade “reshape road base” and Compact**
 Coolidge Road, (Paved to End)
 Approximate dimensions = 95 SY

Total Part #1 Price: _____

Part #2 Paving:

- **Hot mix asphalt, base course**
 Hot mix asphalt, base course of 2” lift of MDOT 19.0mm / B mix.
 Three (3) foot aprons at driveways.
 Estimated tonnage = 2,048 tons

Subtotal _____

- **Apply tack coat per MDOT Standard Specifications.**

Subtotal _____

- **Hot mix asphalt, surface course**
 Hot mix asphalt, surface course of 1” lift of MDOT 12.5mm / C mix.
 Estimated tonnage = 1,025 tons

Subtotal _____

- **Cold mix asphalt**
 Install 3” cold mix asphalt
 Three (3) foot aprons at driveways.
 Estimated tonnage = 287 tons

Subtotal _____

- Latex Modified Chip Seal

Subtotal _____

Total Part #2 _____

Total Project Cost:

Total Project Cost _____

The Selectboard reserves the right to waive formalities or reject any or all bids when such action is in the best interest of the Town.

The Contractor shall furnish, to the municipality, a certificate of insurance, with bid form demonstrating insurability.

Asphalt Price Per Ton

	Shim Mix	9.5mm Mix/ D Mix	12.5mm Mix/ C Mix	19.0mm Mix/ B Mix
Price Per Ton				
Price Per Ton Handwork				
Price Per Ton Picked up at Plant				
Price Per Ton Parking Lots				
Price Per Linear Foot of Curbing				
		Cape Cod	Regular 6"	