



# **The Corporation of North Algona Wilberforce Township**

## **PUBLIC WORKS**

### **REQUEST FOR PROPOSAL RFP-NAW-2024-02**

**FOR THE PROVISION OF:**

## **One (1) New - Two (2) Tonne Trailer Mounted Portable Asphalt Hot Box**

**MUST** be received by the

The Corporation of North Algona  
Wilberforce Township  
1091 Shaw Woods Road,  
Eganville, Ontario,  
K0J 1T0

By no later than  
**2:00 p.m. local time on Friday, March 22, 2024**

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**RETURN LABEL**

Bidders are asked to use their own envelope and firmly affix this label to the front of the envelope containing their bid submission and relevant manufacturer's literature.

North Algona Wilberforce Township cannot be held responsible for documents submitted in envelopes that are not labelled in accordance with this instruction.

..... ✂ .....

Company Name:  
\_\_\_\_\_

Address:  
\_\_\_\_\_

**DOCUMENTS**

ATTENTION:                      Adrian Tomasini, Public Works Superintendent  
   The Corporation of North Algona  
   Wilberforce Township  
   1091 Shaw Woods Road  
   Eganville, Ontario K0J 1T0

**CONTRACT NO:**

**DESCRIPTION:                      ONE (1) NEW - Two (2) Tonne Trailer Mounted  
   Portable Asphalt Hot Box**

**CLOSING:                              2:00 p.m., Local Time, Friday, March 22, 2024**

**ANY OR ALL BID SUBMISSION NOT NECESSARILY ACCEPTED**  
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## **TO WHOM IT MAY CONCERN**

The information contained in this bid opportunity is being collected pursuant to the provisions of the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA) and will only be used to make a decision concerning the acceptance of this bid. The name of the Contractor and the total price will be made public. All other information contained in this document will be held in accordance with MFIPPA provisions.

This bid document is received in confidence save and except the name of the tender and the total tender amount. However, the successful tender document will be made public and will form part of the accepting by-law and/or contract. Further information may be obtained by contacting the Municipal Clerk, North Algona Wilberforce Township (613) 628-2080 ext. 202

**The Corporation of North Algona Wilberforce Township**

**REQUEST FOR PROPOSAL**

**ONE (1) NEW, Two (2) Tonne Trailer Mounted Portable Asphalt Hot Box**

**RFP-NAW-2024-02**  
**INSTRUCTIONS TO BIDDERS**

1. **SEALED DOCUMENTS** clearly marked as to contents and on the forms provided will be received at the North Algona Wilberforce Township Office, 1091 Shaw Woods Road, Eganville, Ontario, K0J 1T0 until **2:00 p.m. Local Time Friday, March 22, 2024**, for the purchase of the new equipment as noted above and to the specifications contained herein this bid package.
2. The supplier must state the time and delivery date for the complete unit. The Township is to be advised immediately of any necessary change in the stated time and/or delivery date.
3. The supplier must contact the Township Public Works Superintendent, Adrian Tomasini at 613-639-5612 for an inspection **prior to delivery**.
4. Bidders must submit with their bid, relevant manufacturer's literature on the equipment (photocopies not accepted) in their envelope with the provided envelope template securely affixed to it. (Page 2)
5. Should the Corporation be made aware that there has been patent infringement, the Bidder will be disqualified.
6. The lowest or any bid will not necessarily be accepted.
7. Award is based on Council/budget approval.
8. When completing the Request for Proposal, answers yes or no will not be accepted if specify is indicated and may result in disqualification.
9. Form of bid and/or addendum(s) must be completed in ink or by typewriter/electric print. Photocopies of tender form will **not** be accepted.



**THE CORPORATION OF NORTH ALGONA WILBERFORCE  
TOWNSHIP**

**REQUEST FOR PROPOSAL**

**ONE (1) NEW - Two (2) Tonne Trailer Mounted Portable Asphalt Hot Box**

**RFP-NAW-2024-02**

**INFORMATION TO BIDDERS**

**1. PROCEDURE**

The following policy regarding the preparation and submission of bids and bid opening procedures shall be followed.

Bids are requested to adhere strictly to the instructions concerning submission.

**2. ACCEPTANCE OR REJECTION OF BIDS**

The lowest or any bid will not necessarily be accepted. The Corporation reserves the right to reject any or all bids for any reason whatsoever, and to accept any proposal considered to be in the best interest of the Corporation.

**3. INFORMAL BIDS**

Bids that are incomplete, conditional or obscure or which contain additions not called for, erasures, alterations or irregularities of any kind, may be rejected as informal. The proposal may, however, submit alternative prices on any item for consideration. The Corporation reserves the right to waive informalities at its discretion.

4. EQUIPMENT SPECIFICATIONS

It is the intent of the attached specifications to describe specific details of equipment required in this matter. It is the responsibility of the successful bidder to supply any equipment not described in the specifications but required for the satisfactory operation of the vehicle. All equipment shall be delivered with all accessories mounted and operating.

5. BIDS LEFT OPEN

The bidders shall keep his/her tender open for acceptance for sixty (60) days after the closing date.

6. WITHDRAWAL OF BID

A Bidder will be permitted to withdraw the bid unopened after it has been deposited, provided such request is received in writing prior to the time specified for opening of the bids.

**THE CORPORATION OF NORTH ALGONA WILBERFORCE  
TOWNSHIP**

**REQUEST FOR Proposal**

**One (1) New - Two (2) Tonne Trailer Mounted Portable Asphalt Hot Box**

**RFP-NAW-2024-02**

**FORM**

I/We \_\_\_\_\_ the undersigned agree to supply and deliver to North Algona Wilberforce Township, as per the Corporation's specifications or equivalent, and at the Total Bid Price, in Canadian Funds, stated herein.

State Model Year \_\_\_\_\_

Price before Discount \$ \_\_\_\_\_

Discount \$ \_\_\_\_\_

Total Bid (excluding taxes) \$ \_\_\_\_\_

Harmonized Sales Tax (H.S.T.) (if applicable) \$ \_\_\_\_\_

**TOTAL BID** \$ \_\_\_\_\_

Expected award date of April 2, 2024, Dealer Proposed Delivery Date is

\_\_\_\_\_

DEALER: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

NAME/EMAIL: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNED: \_\_\_\_\_

**The Corporation of North Algona Wilberforce Township**

**REQUEST FOR PROPOSAL**

**ONE (1) NEW, Two (2) Tonne Trailer Mounted Portable Asphalt Hot Box**

**RFP-NAW-2024-02**

**Technical Specifications For  
Two (2) Ton Trailer Mounted Portable Asphalt Hot Box**

**1. General**

<b>Item</b>	<b>Item Description</b>	<b>Compliance</b>
A.	These specifications describe an asphalt hot box capable of: <ul style="list-style-type: none"><li>• Heating and re-heating cold patch asphalt</li><li>• Transporting hot mix, keeping it hot all day and holding hot mix asphalt overnight</li></ul>	Yes__ No __
B.	The asphalt hot box must be an air jacketed hopper with no moving parts	Yes__ No __
C.	Manufacturer or manufacturer's representative must provide a working demonstration of manufacturer's current equipment.	Yes__ No __
D.	Capacity: 2 Ton Trailer	Yes__ No __

**2. Local Service Provider**

<b>Item</b>	<b>Item Description</b>	<b>Compliance</b>
	Bidder must include the name of the local service provider responsible for parts and service.  Service Provider Name _____  Contact Name_____ Phone Number_____  Mileage from servicing dealer to end customer _____	Yes__ No __



### 3. Hopper Construction

Item	Item Description	Compliance
A.	<p>WALLS</p> <ul style="list-style-type: none"> <li>Hopper is of triple wall construction and has three parallel walls (inner, middle and outer)</li> <li>Hopper floor and all four hopper walls are heated. <ul style="list-style-type: none"> <li>a) Hopper is heated by an air-jacket below the hopper floor and between the inner and middle hopper walls.</li> </ul> </li> <li>All walls must be of one-piece, seamless steel construction.</li> <li>All front and side hopper walls are parallel and angled (inner, middle and outer)</li> <li>The tops of all three steel layers of the front and rear hopper walls angled to create a 2" slope.</li> <li>Complete area between middle and outer walls is filled with 8 lb density, 2" mineral wool insulation.</li> <li>Top of hopper walls secured to each other with 10-gauge steel capping channel and side hopper walls secured to each other with 10-gauge steel corner molding, stopping hopper from losing its shape over time.</li> <li>Zip screws may not be used in the construction of the hopper</li> </ul>	Yes__ No__
B.	<p>BURNER BOX IS:</p> <ul style="list-style-type: none"> <li>Located below the hopper floor.</li> <li>Constructed of 15.3# channel iron with dimensions of 10" high, 51" long and 34" wide</li> <li>Insulated with 1" ceramic blanket on all four walls and the floor</li> </ul>	Yes__ No__
C.	<p>HOPPER FLOOR:</p> <ul style="list-style-type: none"> <li>Constructed of a single piece of ¼" plate steel that is 34" wide and 51" long.</li> <li>Extends from the base of the front hopper wall and extends beyond the back wall by a minimum of 12"</li> </ul>	Yes__ No__
	<ul style="list-style-type: none"> <li>The area beyond the rear hopper wall creates a worktable that is heated from the diesel burner box.</li> <li>The hopper floor is approximately 28" off the ground.</li> <li>The hopper floor is free of any steel wall or divider that partitions the hopper into compartments</li> </ul>	
D.	<p>DIMENSIONS</p> <ul style="list-style-type: none"> <li>Overall Hopper height not to exceed 70" from the ground.</li> <li>Asphalt hopper width not to exceed 83" and width of outside fender to fender shall not exceed 73"</li> </ul>	Yes__ No__
E.	<p>TOP LOADING DOORS</p> <ul style="list-style-type: none"> <li>Steel loading doors are framed on square tubing with angle iron reinforced cross members.</li> <li>The area inside loading doors is completely filled with insulation.</li> <li>Doors are hinged to the hopper corners with bolt-on, 1" diameter 2-bolt pillow block bearings.</li> <li>Doors open with manually retractable handle.</li> <li>Doors are secured with positive safety locks in the open position and while in tow to prevent injury</li> </ul>	Yes__ No__

F.	<b>REAR MATERIAL UNLOADING DOOR</b> <ul style="list-style-type: none"> <li>• Rear hopper wall includes a single, fully insulated, guillotine-style, unloading door.</li> <li>• Unloading door opening dimensions must be a minimum of 16" high and 33" wide.</li> <li>• Door is equipped with replaceable CAM follower bearings.</li> <li>• Unloading door handle shall be located along the curbside sidewall of the hopper keeping operator out of traffic and enabling full functionality while standing three feet from the closest point of the door opening.</li> <li>• Curbside placement of door handle also keeps operator away from free falling 300°F asphalt.</li> <li>• The door must be removable upon unbolting the CAM followers. No additional tools or effort are required.</li> </ul>	Yes__ No __
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#### 4. Trailer Construction

Item	Item Description	Compliance
A.	<b>TRAILER TYPE</b> <ul style="list-style-type: none"> <li>• Trailer frame must be constructed of 2" x 6" x ¼" structural rectangular tubing</li> <li>• Trailer must include a minimum of three cross members and a center support beam, each constructed of 2" x 6" x ¼" structural rectangular steel tubing</li> </ul>	Yes__ No __
B.	<b>TRAILER CONSTRUCTION</b> <ul style="list-style-type: none"> <li>• Trailer must comply with all state and federal DOT / FMCSA requirements.</li> <li>• Hopper must be integrated into the trailer frame and not bolted into it</li> <li>• All welds on frame must be continuous.</li> <li>• Boxed in and enclosed gussets continuously welded to the top, side and bottom of the frame at the two-front bends. Gussets continuously welded to the front where the side rails connect to the hitch post.</li> <li>• Bottom of frame must be a minimum 18" from the ground.</li> <li>• Fenders are bolted to the frame enables easy replacement should the fender become damaged.</li> <li>• Fenders are fabricated of 12-gauge steel with a 12-gauge backing plate.</li> <li>• Trailer includes an 8,000 lb. bolt-on drop-leg parking jack.</li> <li>• Two safety chains with Grade 70, DOT approved, transport chain and a clevis hook with a safety clip.</li> <li>• Circuit breakers in junction box to protect the tow vehicle from the 12-volt trailer wiring and vice versa</li> </ul>	Yes__ No __

	<ul style="list-style-type: none"> <li>• A non-slip hopper access platform, constructed of diamond tread plate steel, is welded to the frame near the front hopper wall allowing the operator to stand fully upright to view the entire hopper contents</li> </ul>	
C.	<b>TRAILER AXLES</b> <ul style="list-style-type: none"> <li>• Equipped with two 7,000 lb. axles with slipper leaf spring suspension and GVWR must be a minimum of 7,000 lb.</li> </ul>	Yes__ No __
D.	<b>TIRES &amp; BRAKES</b> <ul style="list-style-type: none"> <li>• 9 x 16" Load Range "F" tires on 8-bolt solid steel wheels</li> <li>• Electric Brakes on all wheels with safety breakaway</li> </ul>	Yes__ No __
E.	<b>TRAILER PINTLE EYE</b> <ul style="list-style-type: none"> <li>• Trailer must attach to towing vehicle using a minimum 2.5" I.D. lunette pintle eye hitch.</li> <li>• Pintle eye hitch to be adjustable in height from 18" to 32"</li> </ul>	Yes__ No __

F.	<b>TRAILER WIRING</b> <ul style="list-style-type: none"> <li>Trailer plug-in connector to be 7-pin flat RV, 7-pin round or 6-pin round.</li> <li>All wires shall be THHN, stranded, copper, and color coded and all wiring and enclosures shall be NEMA-3 rated.</li> <li>Wiring connections shall be soldered, sealed in shrink-wrap, covered with high temperature corrugated loom and protected by steel conduit.</li> <li>All wiring is external to the hopper walls</li> </ul>	Yes__ No __
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## 5. Heat System

Item	Item Description	Compliance
A.	<b>BECKETT DIESEL BURNER</b> <ul style="list-style-type: none"> <li>Hopper heated by one 105,000 BTU maximum RW Beckett diesel burner.</li> <li>Diesel burner fuel solenoid powered by a 12-volt system.</li> <li>Burner includes a cad cell (eye) to shut down the flow of fuel if the burner flame is not present.</li> <li>A pressurized pump controls the flow of fuel to the diesel burner.</li> <li>Diesel burner spark ignition system is powered by a 12-volt battery.</li> <li>Burner has automatic recycle on spark system and automatic shut down safety system.</li> <li>Burner has inspection guard that is removable without the use of tools, while standing on the ground</li> <li>Nozzle shall be .75 GPH.</li> <li>Diesel burner is engineered to continuously operate while the equipment is in tow and while the hopper is raised</li> </ul>	Yes__ No __
B.	<b>BURNER COMBUSTION CHAMBER</b> <ul style="list-style-type: none"> <li>Constructed of a one-piece, seamless, vacuum formed ceramic fiber that is 1" thick with an insulation rating for temperatures in excess of 2,000 degrees Fahrenheit causing a complete blending of fuel and air.</li> </ul>	Yes__ No __
C.	<b>BATTERY</b> <ul style="list-style-type: none"> <li>Two 550 CCA 12-volt deep cell batteries are mounted in battery boxes on the trailer</li> </ul>	Yes__ No __
D.	<b>BATTERY CHARGER</b> <ul style="list-style-type: none"> <li>A 12-volt marine grade battery charger is mounted on the trailer frame.</li> <li>The battery charger is hard wired to the unit's battery</li> </ul>	Yes__ No__
E.	<b>DIESEL EXHAUST</b> <ul style="list-style-type: none"> <li>All exhaust produced by the diesel burner vents through a single chimney on the top of the front hopper wall</li> </ul>	Yes__ No __
F.	<b>DIESEL FUEL SYSTEM</b>	Yes__ No __

	<ul style="list-style-type: none"> <li>Trailer has an in-line quick disconnect diesel fuel filter with a water separator, preventing burner failure.</li> <li>Hopper Diesel Burner Fuel <ul style="list-style-type: none"> <li>a) Diesel fuel tank has a capacity enough for holding hot mix and heating cold mix for three 8-hour shifts.</li> </ul> </li> <li>Fuel tank neck is welded into the fuel tank.</li> <li>Fuel tank includes lockable fuel cap</li> </ul>	
G.	<b>VOLTAGE INDICATOR AND PROTECTION SYSTEM</b> <ul style="list-style-type: none"> <li>Heating system must include a voltage indicator and protector controller to automatically prevent burner from operating below burner manufacturer's required voltage</li> </ul>	Yes__ No __

H.	<p><b>CONTROLS</b></p> <ul style="list-style-type: none"> <li>Falcon <b>Smart Control</b> digital temperature controller mounted in a NEMA-3 rated lockable electrical enclosure.</li> <li>5" full color, touch screen monitor that includes <ul style="list-style-type: none"> <li>VIP (see item H.)</li> <li>7-day timer</li> <li>Fuel level gauge</li> <li>Hour meter</li> <li>Voltmeter</li> <li>Temperature gauge</li> </ul> </li> <li>Four (4) virtual switched 12v outputs</li> <li>Burner reset function.</li> <li>Burner fault detection system</li> <li>Machine diagnostics</li> <li>Password protected temperature settings.</li> <li>Temperature settings adjustable up to 300 degrees Fahrenheit</li> <li>Individual settings for use with hot mix or cold mix</li> <li>Burner is designed to stop running when the temperature setting on <b>Smart Control</b> monitor is reached.</li> <li><b>Smart Control</b> will re-ignite the burner when the hopper temperature falls 10 degrees below the temperature set by the operator on the <b>Smart Control</b> monitor</li> </ul>	Yes__ No __
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## 6. Dump Box

Item	Item Description	Compliance
A.	<p>Shall be capable of tilting the hopper by means of two 3" bore 30" tie-rod style hydraulic cylinders.</p> <ul style="list-style-type: none"> <li>Each hydraulic cylinder acts as a safety back up for the other</li> </ul>	Yes__ No__
B.	Power source for cylinders controlling the movement of the hopper is a 12-volt self-contained electric over hydraulic pump	Yes__ No__
C.	12-volt pump is stored in a lockable toolbox mounted on the front of the trailer frame	Yes__ No__
D.	<p>Dump box hinge system (on each side of the hopper):</p> <ul style="list-style-type: none"> <li>Two 4" x 2" hot rolled steel pivot bosses.</li> <li>1.75" diameter 4140 hardened TGP (Turn, Ground, Polished) steel pivot shaft with grease grooves</li> <li>One grease able zerk</li> </ul>	Yes__ No__
E.	Rear dump box pivot points are protected by hinged steel guards Prevents asphalt from building up on the dump box hinge system	Yes__ No__
F.	Trailer frame and burner box shall have 45-degree angled steel guides (two sets on each side), that provide a cradle for the hopper in a lowered position	Yes__ No__
G.	Safety rod to secure hopper in raised position is incorporated into the trailer	Yes__ No__
H.	Hopper diesel fuel tank bolts to 3 / 8" steel mounting brackets that are welded to the street side hopper wall	Yes__ No__

I.	Fuel tank moves up and down when the hopper is raised and lowered. <ul style="list-style-type: none"> <li>Prevents diesel fuel lines from getting pinched as the hopper dump box moves up and down</li> </ul>	Yes__ No __
J.		Yes__ No __

## 7. Equipment Holders

Item	Item Description	Compliance
A.	A bracket capable of storing a one-gallon solvent reservoir for spraying & cleaning tools is securely mounted on the rear of the trailer.	Yes__ No __
B.	A tool holder, capable of storing three tools, is mounted on the trailer frame	Yes__ No __

## 8. Lighting

A.	TRAILER LIGHTING <ul style="list-style-type: none"> <li>FMCSA compliant lighting to include four 4" round red stop/tail/turn lights mounted on rear of hopper. Four marker lights mounted on corners of hopper and one ID bar mounted on rear of hopper.</li> <li>Two stop/tail/turn lights mounted in a common fixture on each side of the rear hopper wall</li> </ul>	Yes__ No __
B.	HOPPER MOUNTED LIGHTING <ul style="list-style-type: none"> <li>Two LED night work lights mounted on the rear of the hopper</li> </ul>	Yes__ No __

## 9. Paint

Item	Item Description	Compliance
A.	Manufacturers standard paint color	Yes__ No __
B.	Two coats of epoxy primer and two coats of urethane finish are applied to all parts and entire unit	
C.	Entire unit, including all bolt-on parts, are blasted prior to painting	Yes__ No __
D.	All accessory bolt-on parts are painted prior to assembly to chassis	Yes__ No __
E.	Non-steel parts are not painted. These components/parts are installed after the paint process is complete	Yes__ No __

**10. Warranty and Delivery**

<b>Item</b>	<b>Item Description</b>	<b>Compliance</b>
A.	Two-year warranty (Pass through warranties will not be accepted)	Yes__ No __
B.	Lifetime Frame Warranty	Yes__ No __
C.	Guaranteed five-year maintenance free combustion chamber	Yes__ No __
D.	Four-hour safety and operation instruction by a factory-trained technician required upon unit's delivery	Yes__ No __
E.	One Operator / Parts / Service Manual is included upon delivery and available on manufacturers website	Yes__ No __

		Supply references for 5 municipal customers located within the Renfrew County area who have been using the hotbox equipment offered for a minimum of one year.		
	<b>Name of Municipality</b>	<b>Contact Name</b>	<b>Length of time unit in service for</b>	<b>Phone #</b>
1				
2				
3				
4				
5				