



*"Our mission is to upgrade and maintain
a safe and efficient road system."*

NOTICE TO BIDDERS

Requests for Proposals will be received at the Grand Traverse County Road Commission office, 1881 LaFranier Road, Traverse City, Michigan, 49696 on Thursday, May 16, 2019, at 2:00 PM, EST, for a Brush Chipper and Gravel.

The Board reserves the right to accept or to reject any or all bids; increase or reduce quantities, including dividing the bid projects into separate agreements; waive irregularities and/or informalities; and make the award(s) as may appear to the best interest of the Grand Traverse County Road Commission. Documents are available at www.gtcrc.org , Info@MITN.com or at the GTCRC office. All proposals are to be submitted as a sealed, hard copy document with the item being bid noted on the exterior of the envelope to the address above. No fax or email bids will be accepted.

Board of County Road Commissioners
Of Grand Traverse County
Jason Gillman, Chair
Carl J. Brown, Vice-Chair
Andy Marek, Member
Marc S. McKellar, Member
William D. Mouser, Member

GRAND TRAVERSE COUNTY ROAD COMMISSION
2019 18" Trailer Mounted Drum Style Brush Chipper
Bids Due May __, 2019 - 1:00 PM
MITN #

Bidders please note that any and all exceptions to the specifications must be noted. Failure to disclose any and all exceptions or deviations from the enclosed specification will be grounds for the Grand Traverse County Road Commission to deem a bid unresponsive, and disqualify that bid proposal. Descriptive literature for equipment and comprehensive warranty statements shall be included and shall be considered part of the quotation/bid enclosures. Bid submittals shall include a detailed summary of all makes, models/brands being offered and manufacturer's literature must accompany all bids. These specifications are meant to provide a minimum performance and quality standard acceptable to the Road Commission. The Road Commission reserves the right to include pre-build and pre-paint inspections/meetings at the installer's location. The Road Commission also reserves the right to accept or reject any or all proposals and to award to the bid that is deemed to be in the best interest of the Grand Traverse County Road Commission. Payment will be made after conformity with the vendors bid proposal and the specifications is verified.

The following specifications are designed to describe a hand fed pocket drum-style chipper with hydraulic feed system, which is to be a heavy-duty industrial grade Machine. Unit is capable of chipping 18" (38 cm) diameter material and shall produce a dimensional, landscape quality chip. The complete unit shall comply with applicable Requirements of the U.S. Vehicle Code and OSHA. All visual warning devices and decals shall be applied.

BIDDER SPECIFICATIONS

INDICATE YES

POWER SPECIFICATIONS

(State alternate equipment bid)

- | | |
|---|-----------|
| 1. Engine 1821 GM 5.7L Gasoline w/spark arrestor | 1. _____ |
| 2. Horsepower Minimum 165 HP | 2. _____ |
| 3. Clutch Machine will be equipped with an over center clutch | 3. _____ |
| 4. Displacement 5.7 Liter or Larger | 4. _____ |
| 5. Alternator 70 AMP. Minimum | 5. _____ |
| 6. Battery Heavy duty, low maintenance, 8D - 1400 CCA. | 6. _____ |
| 7. Coolant System Designed for operation in temperatures up to 120 F. | 7. _____ |
| 8. Air Cleaner Heavy Duty, two stages with dry cartridge | 8. _____ |
| 9. Fuel Filter Primary and secondary with water separator | 9. _____ |
| 10. Oil Filtration Full flow, spin on filter | 10. _____ |
| 11. Shutdown System High engine temperature / low oil pressure | 11. _____ |
| 12. Fuel Tank 32 gallon minimum, with sight gauge. | 12. _____ |
| 13. Engine shall be fully enclosed on all sides with lockable sheet metal | 13. _____ |

CHIPPER SYSTEM

- | | |
|---|----------|
| 1. Chipper Drum/Disc Chipper Drum: with separate fan impeller and divider in chipper Housing to control air discharge. Chipping drum to feed at a 90 degree angle to assure even knife wear and avoid slashing of brush from right to left as it enters the infeed, Drum must be capable of being securely pinned to prevent drum rotation while Changing knives. Two (2) 1" diameter pins are provided | 1. _____ |
| 2. Knife Pockets Knife Pockets: (4) Pockets, 2 1/4"x 10 3/4"x 4" deep, are intergraded into face of drum, Staggered 90 degrees apart allowing two full cuts per revolution | 2. _____ |
| 3. Knife Holders Knife Holders: (4) knife holders machined from 1-3/4" T-1 steel each to accept one 10-1/2" knife. The 1821 has replaceable knife holders which allows for replacement without having to Purchase a new drum. | 3. _____ |

4. Chipper Knives Chipper knives (4): Must be double-edged, interchangeable & constructed of A-8 modified steel. Knife width must be a minimum of 5" wide with a thickness of 5/8" for durability. Knife retaining Bolts must be Grade 8 Hex head rather than Allen head to maintain ease of knife changing. 4. _____
5. Chipper Housing Chipper housing: To assure containment of steel and debris often found in wood waste, The lower housing must be constructed of 3/8" plate. Upper housing constructed of 1/4" steel plate. Upper housing securely pinned to lower housing by means of a single pin extending fully across The top of the chipper hood through two 3/4" thick lugs mounted on each side of the chipper base 5. _____
6. Chipper Hood Chipper hood must be equipped with a hood safety switch to prevent engine from running while Chipper hood is opened 6. _____

PROCESSED MATERIAL DISCHARGE SYSTEM

1. Chip Discharge Machine to be equipped with a Dual sided air impeller system. System provides additional air flow into discharge to increase discharge velocity and aid in discharging light leafy material. the system significantly reduces opportunity to plug the discharge chute and increases throwing velocity to pack more material into a truck. 1. _____
2. Discharge Base Discharge to be equipped with a 360 degree manual cranking swivel at its base, fully adjustable without the use of tools 2. _____
3. Discharge Height Discharge at 90" or more from ground level 3. _____
4. Discharge Construction to ensure long life, the transition section between the discharge chute and the chipper base must be constructed of 1/4" steel. Mounted on the transition is the discharge chute, beginning with the 90 degree elbow which is to be constructed with a 3/8" thick top, 1/4" thick sides and bottom for long life and added strength. The end portion of the discharge chute must be constructed of 10 gauge steel and be equipped with a 4 place, spring loaded adjustable flipper end for ease of directing chips. 4. _____

INFEED SYSTEM

1. Infeed Opening at outer edge of infeed to be a minimum of 59" wide x 41" high. Open at feed wheel to be a minimum of 20 1/2" wide x 18" high 1. _____
2. Infeed Construction Opening at feed rollers to be a minimum of 20 1/2" wide x 18" high, this dimension must be straight through to the knives with no taper. Space between roller and knives not to exceed 3" to eliminate jamming of material in the infeed. Sides and top shall be constructed from 1/4" steel with a 3/8 steel plate floor 2. _____
3. Infeed Length from feed wheel pinch point to operator ground level to exceed 85" 3. _____
4. Safety Bar Unit shall have a safety control bar that is continuous across the top, and down both sides of the infeed chute accessible to the operator. The bar controls the feed system and shall have a 4-Position valve stop, forward, stop and reverse functions. This allows for the added safety for the operator because whether the bar is pulled or pushed fully in either direction, the feed wheels will not feed material into the machine. 3-Position control bars are not acceptable 4. _____
5. Infeed Pull Cables Dual Safety Pull Cables located in the infeed chute for enhanced operator safety. When either cable is activated, they pull the safety control into the reverse position reversing the feed wheels 5. _____
6. Top Feed Wheel Top horizontal feed wheel designed to help eliminate binding and vine wrapping shall be a minimum of 20" wide x 18" diameter. Feed wheel shall be equipped with a combination of serrated teeth and knife bars for positive grabbing of large diameter logs and brushy material. Top feed wheel shall have a variable force hydraulic feed system with reversing automatic feed works, designed to keep constant hydraulic down pressure. Down pressure springs not acceptable. The system must also allow for an operator to manually increase the down pressure with the valve provided. 6. _____

TRAILER SPECIFICATIONS

1. Frame Material 8.2 Lbs 6" Channel 1. _____
2. Frame Center 4"x 6" main center beam 2. _____
3. Toolbox Lockable steel combination tool and battery box compartment with 8D, 1400CCA battery 3. _____
4. Tongue Hitch 2-1/2" Lunette Ring, Adjustable Height 4. _____
5. Tongue Jack 10,000# Tongue Jack with stationary foot pad 5. _____
6. Tongue Telescoping 3"x5" tubular steel telescoping draw bar with (2) 12" extensions 6. _____
7. Tongue Chains 3/8" safety chains, tensile strength of each chain equal to the gross trailer weight 7. _____
8. Axle Single 9000 lb. rated axle 8. _____
9. Axle Brakes Equipped with electric brakes, and brake away actuator 9. _____
10. Wheels 22 ply 235/75R 17.5 tires, Solid dished, 8 bolt pattern 10. _____
11. Wheel Fender Wheels protected by 11 gauge steel hexagon fenders with splash guards 11. _____
12. Electrical Four function LED lights wired to meet ICC regulations. All wires will be protected inside frame tube or steel conduit when possible 12. _____
13. Electrical Connector 7 way Blade Plug (Coiled Connector) 13. _____
14. Electrical Tail Wires Tail light wires will be double insulated, minimum 16 gauge wire 14. _____
15. Tail Light Housing Taillights to be heavy duty, hermetically sealed and protected inside steel housing 15. _____

16. License Plate Unit to be equipped with a license plate holder and light

16. _____

GENERAL INFORMATION

1. Instrument Panel Hour Meter, Tachometer, Ammeter, Temp Gauge, Oil Gauge and Ignition key switch. It will be Mounted curbside for the operator's protection
2. Winch package with heavy duty 5000# pull capacity with rope and 10' chafe guard

1. _____

2. _____

SAFETY ITEMS

1. Safety Features Safety features include a Chipper hood engine disable plug, last chance pull cables And drum lock bar.

3. _____

HYDRAULIC SPECIFICATION

1. Hydraulic Tank: 12 gallon minimum capacity with ball valve at its outlet. The cap is vented and lockable. Tank is equipped with a separate sight gauge. Tank must also have a clean out door for maintenance
2. Hydraulic Filter Filter: 10 micron, Spin-on type
3. Hydraulic Pump Pump: Casappa split gear type, 2500 RPM, 9063 GPM. With 7.63 GPM dedicated to the feed works and 2 GPM to the down pressure, driven directly from the engine.
4. Hydraulic Valve Valve: 4 positions - valve has a quick coupler adapter to mount pressure gauge for routine maintenance checks. Hydraulic valve must be a Gresen V-20 sectional valve back.
5. Hydraulic Motors Hydraulic motor: Parker, 32 CI displacement minimum for the top feed wheel. 45 CI displacement for the bottom feed wheel.
6. Cylinders: One energy Model 206 O-ring cylinder mounted on each side of feed wheel pivot arm to absorb shock and assist in lifting the feed wheel for routine maintenance
7. Auto Feed System Unit shall be equipped with a reversing automatic feed system with auto-sense technology. This allows feed system to stop and momentarily reverse when the engine reaches a preset RPM level Auto-feed reduces operator interaction with equipment and promotes greater feeding efficiency.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

TERMS AND CONDITIONS:

**THE SUPPLIER (hereinafter the “Supplier” or the “supplier”), BY RENDERING SERVICE TO THE GRAND TRAVERSE
COUNTY ROAD COMMISSION (GTCRC)
HEREBY AGREES TO ALL PROVISIONS LISTED BELOW:**

1. **Non-Discrimination.** The Supplier agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions or privileges of employment, or a matter directly or indirectly related to employment because of race, color, religion, national origin, sex, age, height, weight, marital status, physical or mental disability, family status, sexual orientation, or gender identity. A breach of this covenant may be regarded as a material breach of this Service Order.
2. **Assignment.** There shall be no assignment or transfer of this Service Order or any part thereof unless mutually agreed to in writing by both parties.
3. **Venue.** Any and all suits for any and every breach of this Service Order shall be instituted and maintained in any court of competent jurisdiction in the County of Grand Traverse, State of MI.
4. **Dispute Resolution.** Prior to either party instituting any suit, any claim or dispute under the Service Order shall be submitted to non-binding mediation. The Supplier shall include a similar mediation agreement with all subcontractors and subconsultants under direct contract with the Supplier.
5. **Independent Contractor.** The relationship of the Supplier to the GTCRC is that of an Independent Contractor. The Supplier and the personnel employed by the Supplier shall not be deemed to be agents or employees of the GTCRC, shall not hold themselves out as employees of the GTCRC and shall not be entitled to any fringe benefits the GTCRC affords its employees.
6. **Required Insurance.** The Supplier shall provide an insurance certificate evidencing the following selected insurance prior to performing services under this Service Order:

		Yes	No
General Liability - Comprehensive	\$ 2,000,000 per occurrence	_____	_____
Professional Liability -	\$ 2,000,000 per occurrence	_____	_____
Premises and Operations		_____	_____
Independent Contractors		_____	_____
Completed Operations Hazard		_____	_____
Contractual Liability		_____	_____
Explosion, Collapse or Underground Damage		_____	_____
Owners Protective		_____	_____
Environmental Pollution Liability	\$1,000, 000 per occurrence	_____	_____
Automobile Liability	\$500,000 combined single limits	_____	_____
Owned, Non-owned &	\$250,000 each person	_____	_____
Hired	\$100,000 property damage each occurrence	_____	_____
Broadened auto pollution		_____	_____
Liability coverage, form CA 9948		_____	_____
Excess Liability	\$1,000,000	_____	_____
Umbrella Form		_____	_____
Employer's Liability	\$500,000	_____	_____

Additionally, Supplier shall provide the GTCRC with an endorsement to its insurance policies stating that the GTCRC is named as additional insured with the following language appearing either on the certificate or an attachment: *Grand Traverse County Road Commission, its commissioners, officers employees and agents are named as additional insureds.* A minimum of 10 days advance written notice will be provided in the event of cancellation.

7. **Workers Compensation.** The parties agree to maintain at all times while work is being performed under this Service Order, suitable workers compensation insurance pursuant to Michigan law and will, upon receipt of this Service Order, provide a certificate of insurance or copy of state approval for self insurance to the GTCRC Manager.
8. **Interpretation.** This Service Order shall be governed by the laws of the State of Michigan both as to interpretation and performance.
9. **Indemnification.** To the fullest extent permitted by law, the Supplier shall defend, indemnify and hold the GTCRC, its agents, officials and employees harmless from and against all claims, damages, losses and expenses, including reasonable attorney fees and defense costs, arising out of or connected in any way with the performance of this Service Order which is caused in whole or in part by the Supplier’s negligent, careless or intentional acts or omissions, or that of any agent, employee, or subcontractor of the Supplier, excluding only those damages, liabilities or costs attributable to the sole negligence of the GTCRC. The Supplier expressly acknowledges and agrees that this indemnification provision is intended to be as broad and inclusive as is permitted by

law and that if any portion thereof is held invalid, it is agreed that the balance shall, notwithstanding, continue in full legal force and effect. This provision shall survive the termination of this Service Order and is not intended to waive the defense of governmental immunity that may be asserted by the GTCRC in an action against it.

10. Time. Time is of the essence in rendering the services described in this Service Order.
11. Pollution Indemnification. The Supplier's obligation to defend, indemnify and save harmless the GTCRC shall include any and all claims, liabilities, losses, damages, actual attorney fees and settlement expenses arising from any pollution liability, damage, or loss resulting or arising out of or in connection with the Supplier's performance of any work relating to this contract based upon any act, omission, or negligence of the Supplier or its employees, agents, servants, subcontractors or any other person or persons, including but not limited to the GTCRC, its agents, officers or employees. The obligations to defend, indemnify and hold harmless contained herein shall exclude only those matters in which the claim arises out of allegation of the sole negligence of the GTCRC, its offers, agents or employees. This indemnification agreement shall not be limited by reason of insurance coverage of any type. This provision is not intended to waive the defense of governmental immunity that may be asserted by the GTCRC in an action against it. **CHECK HERE IF APPLICABLE: ____.**
12. Third Party Beneficiaries. This Service Order confers no rights or remedies on any third party, other than the parties to this Service Order and their respective successors and permitted assigns.
13. Freedom of Information Act. The Supplier acknowledges that the GTCRC may be required from time to time to release records in its possession by law. The Supplier hereby gives permission to the GTCRC to release any records or materials received by the GTCRC as it may be requested to do so as permitted by the Freedom of Information Act, MCL 15.231 *et seq.*
14. Standard of Conduct. The Supplier shall render all services under this Service Order according to generally accepted professional practices.
15. Termination.
 - A. For Fault. If the GTCRC Manager determines that the Supplier has failed to perform or will fail to perform all or any part of the services, obligations, or duties required by this Service Order, the GTCRC Manager may terminate or suspend this Service Order in whole or in part upon written notice to the Supplier specifying the default and in the case of suspension shall specify a reasonable period not more than thirty (30) days nor less than fifteen (15) days from receipt of the notice, during which time the Supplier shall correct the violations referred to in the notice. If the Supplier does not correct the violations during the period provided for in the notice, this Service Order shall be terminated upon expiration of such time. Upon termination, any payment due the Supplier at time of termination may be adjusted to cover any additional costs occasioned the GTCRC by reason of the termination. This provision for termination shall not limit or modify any other right to the GTCRC to proceed against the Supplier at law or under the terms of this Service Order.
 - B. Not for Fault. Whenever the GTCRC Manager determines that termination of this Service Order in whole or in part is in the best interest of the GTCRC, in the event that termination is required by any state or federal agency, or in the event that necessary funds to continue with the specified equipment and services are not allocated by the GTCRC Board, the GTCRC Manager may terminate this Service Order by written notice to the Supplier specifying the services terminated and the effective date of such termination. Upon termination, the Supplier shall be entitled to and the GTCRC shall pay the costs actually incurred in compliance with this Service Order until the date of such termination.
16. Ownership of Documents. All documents produced by Supplier under this Service Order shall remain the property of GTCRC and may not be used by Supplier for any other endeavor without the written consent of GTCRC. Any reuse of documents without the written consent of GTCRC shall be at Supplier's sole risk, without liability or legal exposure to GTCRC, its officers, directors, employees, agents, or volunteers.
17. Billing/Payments. Invoices for Supplier's services shall be submitted, at GTCRC's option, either upon completion of such services or on a monthly basis whichever is shorter. Invoices shall be payable within 30 days after the invoice date. Retainer/deposits fee shall be credited on the final invoice.
18. Specification and Bid Requirement Deviations by the Bidder: Any deviation from this specification/and bid requirement MUST be noted in detail, and submitted in writing on or with the RFQ. Completed specifications should be attached for any substitutions offered, or when amplifications are desirable or necessary. The absence of a specification deviation statement and accompanying specification will hold the Supplier strictly accountable to the specifications/and bid requirement. Failure to submit this document of specification/and bid requirement deviation, if applicable, shall be grounds for rejection of the item when offered for delivery. If specifications or descriptive papers are submitted with Bids, Proposals, or Quotes the Supplier's name should be clearly shown on each document. The Road Commission retains the right to determine the equivalency of any product or service.
19. MIOSHA Regulations: All equipment, machinery, tools and vehicles must meet all MIOSHA standards to be considered
20. Delivery and Receipt of Goods: Accessibility for delivery purposes shall be between the hours of 7:30 a.m. and 2:30 p.m. Monday through Friday, with exception of GTCRC's observed holidays. All deliveries shall be received and acceptance is "subject to inspection". All goods must be tailgate delivered.
21. F.O.B. Destination Freight Prepaid: Goods provided to the GTCRC under this Agreement shall be FOB Destination. Title passes to the GTCRC when goods are delivered to a GTCRC location. The supplier shall pay all freight charges, owns the goods during transit and files claims, if any.
22. Delivery A.R.O.: The supplier shall indicate how many days after receipt of order (ARO) before delivery to GTCRC.

23. Performance: The supplier agrees to deliver all items meeting specifications, brand, and part number in good condition, on the dates established. For blanket orders, failure to comply with the above performance standards for blanket orders in excess of 5% may result in the cancellation of the order.
24. Compliance with Applicable Laws and Regulations: The supplier specifically agrees to comply with any and all applicable State, Federal, and Local statutes, ordinances, and regulations, and with GTCRC regulations during performance of the services and will require compliance of all subcontractors. Additionally, the supplier shall comply with the following: In accordance with Michigan 1976 PA 453, the supplier hereto agrees not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions or privileges of employment, because of race, color, religion, national origin, age, sex, height, weight or marital status. Further, in accordance with Michigan 1976 PA No. 220, as amended, the parties hereby agree not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions or privileges of employment, or a matter directly or indirectly related to employment, because of a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. The supplier further agrees that it will require all subcontractors for this project comply with this provision.

VENDOR:	Grand Traverse County Road Commission 1881 LaFranier Road Traverse City MI 49696
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(Signature)

(Signature)

(Printed Name)

(Printed Name)