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The City of Traverse City

Office of the City Manager

GOVERNMENTAL CENTER  
400 Boardman Avenue  
Traverse City, MI 49684  
(231) 922-4440  
(231) 922-4476 Fax



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February 7, 2012

Bidder:

The City of Traverse City will receive sealed bids in the Office of the City Manager, Second Floor, Governmental Center, 400 Boardman Avenue, Traverse City, Michigan, 49684, until **Thursday, February 23, 2012, at 2:00 p.m.** for the following:

**TWO TON VIBRATORY ASPHALT COMPACTOR CATERPILLAR CB14XW OR  
EQUIVALENT  
(specifications attached)**

If the specifications are obtained from the City's website at [www.ci.traverse-city.mi.us](http://www.ci.traverse-city.mi.us) (Services) it is the sole responsibility of the Bidder to check the website for updates and addendums prior to the bid being submitted. You may also register on the website to receive notifications when requests for proposals or bids, updates and addendums are posted.

The City of Traverse City reserves the right to accept or reject any or all bids, waive irregularities, and to accept the bids either on an entire or individual basis that is in the best interest of the City.

The City accepts no responsibility for any expense incurred by the Bidder in the preparation and presentation of a bid. Such expenses shall be borne exclusively by the Bidder.

Only the successful Bidder will be notified. If you so desire, you may call for results.

You must indicate on the outside of the sealed envelope that the bid is for the "**Asphalt Compactor.**"

You must submit the bid to the City Manager's Office prior to the above-indicated time and date or the bid will not be accepted. Telefaxed or E-Mail bids will not be accepted.

Please note that if you have previously submitted an informal quote, you will still need to submit a sealed bid prior to the date and time specified above in order to be considered. Please ensure that all requirements listed in the specifications are met.

**If you have any questions, please contact Mr. Scott Meteer at (231) 922-4902 ext. 111 before the bid is submitted.**

PLEASE SUBMIT BID TO: Julie Dalton, Purchasing Agent  
City Manager's Office, Governmental Center  
Second Floor, 400 Boardman Avenue  
Traverse City, MI 49684

## **SPECIFICATIONS:**

### **TWO TON VIBRATORY ASPHALT COMPACTOR CATERPILLAR CB14XW OR EQUIVALENT.**

**MINIMUM REQUIREMENTS:** The attached detailed specifications shall be construed as minimum. Should manufacturer's current published data or specifications exceed these, such standards shall be considered minimum and furnished. All integral parts not specifically mentioned in the scope of these specifications which are necessary to provide a complete working unit shall be furnished.

**SILENCE OF SPECIFICATIONS:** The apparent silence of this specification and any supplemental specification as to any details or the omission from it of a detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only material of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of this specification shall be made upon the basis of this statement.

**COMPLIANCE:** Bidder must complete and return the enclosed bid forms, including bid sheet. Enter "COMPLY" in the "BIDDER PROPOSES TO FURNISH" column if your equipment meets or exceeds the requested specification. If your equipment does not comply with the requested specification then enter "EXCEPTION" or other information which may pertain. If the item is equivalent then please indicate that fact. All exceptions must be fully explained in the "bidder proposes to furnish" column or on another sheet of paper. If nothing is written in the column than the City will assume that the bidder will precisely and exactly meet the specifications requested.

**THE CITY OF TRAVERSE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS, WAIVE IRREGULARITIES, AND TO ACCEPT THE BIDS EITHER ON AN ENTIRE OR INDIVIDUAL BASIS THAT ARE IN THE BEST INTEREST OF THE CITY OF TRAVERSE CITY.**

**IN ANY CIRCUMSTANCE DURING OR PRIOR TO DELIVERY OF THE VEHICLE/ EQUIPMENT, WHEREUPON THE CITY OF TRAVERSE CITY (CUSTOMER) BECOMES ELIGIBLE TO RECEIVE A REBATE FOR ANY VEHICLE PURCHASED UNDER THIS BID, IT SHALL BE THE SUCCESSFUL BIDDERS RESPONSIBILITY TO INFORM SCOTT METEER, SUPT., DIV. OF MOTOR EQUIPMENT, OF ITS QUALIFICATION FOR SUCH REBATE AND TO ADVISE THE PROCEDURES FOR OBTAINING SUCH REBATES.**

It is the intent of these specifications to describe one two ton vibratory asphalt compactor, per the following specifications. There are numerous makes and models of equipment available that will meet or closely meet these criteria. If the specifications requested do not exactly coincide with your equipment you may take exception and bid your equipment. All exceptions must be noted and fully explained on a separate sheet of paper.

**If you have ANY questions, or are unclear about what we may be requesting, please contact Mr. Scott Meter at, 231-922-4902, ext. 111. Please ask questions or request clarifications before the bid is submitted.**

**SPECIFICATIONS (continued):**

**COMPLY**

**TWO TON ASPHALT ROLLER: BASIC SPECIFICATIONS:**

THE SELF-PROPELLED VIBRATORY COMPACTOR SHALL BE SPECIFICALLY DESIGNED FOR THE COMPACTION OF ASPHALT AND OTHER SELECT GRANULAR SOIL.

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OVERALL LENGTH OF THE MACHINE SHALL BE 80".

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OVERALL WIDTH OF THE MACHINE SHALL BE 42".

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OPERATING WEIGHT OF THE MACHINE WITH ROPS SHALL BE 4,057.

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HEIGHT OF THE MACHINE AT ROPS SHALL BE 94".

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HEIGHT OF THE MACHINE WITH ROPS FOLDED IS 64".

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THE MACHINE SHALL HAVE A COMPACTION WIDTH OF 39" AND HAVE TWO DRIVING DRUMS FOR GOOD CONTROL WHILE WORKING IN TOUGH CONDITIONS.

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**ENGINE:**

THE ENGINE SHALL BE A THREE CYLINDER DIESEL.

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THE ENGINE SHALL MEET U.S. EPA TIER 2 EMISSIONS.

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ENGINE SHALL PRODUCE GROSS H.P. OF 22 @ 2,400 RPM.

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THE ELECTRICAL SYSTEM SHALL BE 12 VOLT AND SHALL INCLUDE ONE MAINTENANCE FREE BATTERY WITH MINIMUM CCA OF 650.

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THE WIRING SHALL BE COLOR-CODED AND WRAPPED IN NYLON BRAID.

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THE ELECTRICAL SYSTEM SHALL INCLUDE A 65 AMP ALTERNATOR.

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COMPLY

POWERTRAIN/TRANSMISSION:

THE TRANSMISSION SHALL INCORPORATE DUAL DRIVING DRUMS WITH HYDRAULIC MOTORS FITTED IN SERIES.

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A VARIABLE DISPLACEMENT PISTON-TYPE PUMP SHALL SUPPLY PRESSURE FLOW TO FIXED DISPLACEMENT HYDRAULIC MOTORS THAT DRIVE THE FRONT AND REAR DRUMS.

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A HYDRAULIC PROPEL LEVER SHALL PROVIDE SMOOTH CONTROL OF THE INFINITELY VARIABLE SPEEDS IN BOTH FORWARD AND REVERSE.

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THE MACHINE SPEEDS IN BOTH DIRECTIONS SHALL INFINITELY RANGE FROM 0 TO 5 M.P.H.

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STEERING:

AN ENGINE-DRIVEN GEAR-TYPE PUMP SHALL SUPPLY HYDRAULIC FLUID FOR THE STEERING CIRCUIT.

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MINIMUM TURNING RADIUS OF THE INSIDE DRUM EDGE SHALL BE 102".

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MINIMUM TURNING RADIUS OF THE OUTSIDE DRUM EDGE SHALL BE 121".

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BRAKES:

THE BRAKING SYSTEM SHALL MEET ISO 3450, EN 500-4 AND SAE J1472.

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THE BRAKING SYSTEM SHALL AUTOMATICALLY ENGAGE IF A PRESSURE DROP OCCURS IN THE HYD. SYSTEM.

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THE BRAKING SYSTEM SHALL CONSIST OF A CLOSED-LOOP HYDROSTATIC SYSTEM THAT PROVIDES DYNAMIC BRAKING DURING MACHINE OPERATION.

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THE MACHINE SHALL HAVE A SECONDARY BRAKING SYSTEM THAT SHALL BE A SPRING-APPLIED PRESSURE-RELEASED BRAKE INSIDE OF EACH PROPEL MOTOR THAT SHALL IMMOBILIZE THE MACHINE.

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**COMPLY**

THE SECONDARY BRAKE SHALL BE ACTIVATED BY A SWITCH ON THE OPERATOR'S CONSOLE OR WHEN THE ENGINE IS OFF.

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**OPERATORS STATION:**

THE MACHINE SHALL BE EQUIPPED WITH A DURABLE SUSPENSION SEAT WITH ARMREST AND A RETRACTABLE SEATBELT.

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THE SUSPENSION SEAT SHALL INCORPORATE FORE/AFT AND WEIGHT ADJUSTMENTS.

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THE INSTRUMENT PANEL CLUSTER SHALL INTEGRATE THE SERVICE HOUR METER AND LIGHT INDICATORS FOR: WORKING LIGHTS, ROADING LIGHTS, WATER SPRAY SYSTEM, PARKING BRAKE, ENGINE COOLANT TEMPERATURE, ENGINE OIL TEMPERATURE, ALTERNATOR, VIBRATORY SYSTEM, ENGINE PRE-HEAT AND TURN SIGNALS.

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THE CONTROL CONSOLE, ENGINE HOOD AND LITERATURE COMPARTMENT SHALL BE EQUIPPED WITH LOCKABLE COVERS.

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THE CONTROL CONSOLE INCLUDES: STEERING WHEEL, ROADING LIGHT SWITCH, WORKING LIGHT SWITCH, HORN, VIBRATORY MODE SELECTION SWITCH, TURN SIGNALS, WARNING LIGHT INDICATOR CONTROL, PARKING BRAKE, AND ENGINE IGNITION SWITCH WITH PRE-HEAT.

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THE ENGINE THROTTLE CONTROL IS OPERATED VIA A LEVER POSITIONED ON THE RIGHT SIDE OF THE STEERING COLUMN.

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A SWITCH LOCATED ON THE TOP OF THE PROPEL LEVER SHALL ACTIVATE THE VIBRATORY SYSTEM.

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RUBBER ISOLATION MOUNTS LOCATED ON THE BASE OF THE OPERATOR'S PLATFORM SHALL REDUCE VIBRATION TRANSMITTED TO THE OERATOR AND THE STATION'S COMPONENTS.

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EQUIPMENT PROVIDED SHALL INCLUDE AN EXTERIOR REAR VIEW MIRROR, A FOLDABLE (WITHOUT THE USE OF TOOLS) ROPS, A BACK UP ALARM, AND STROBE TYPE BEACON LIGHT.

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**COMPLY**

**VIBRATION SYSTEM:**

THE MACHINE SHALL INCORPORATE A COMPACTION WIDTH OF 39".

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EACH DRUM SHALL INCLUDE A SPRING-LOADED SELF-ADJUSTING SCRAPER AND A FIXED POSITION SCRAPER TO PREVENT MATERIAL BUILD-UP.

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THE VIBRATORY SYSTEM SHALL PROVIDE 3,200 VPM, AND AN AMPLITUDE OF 0.016".

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THE MACHINE SHALL HAVE TWO VIBRATORY MODES, FRONT ONLY, OR BOTH DRUMS.

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THE VIBRATORY SYSTEM SHALL INCLUDE AN AUTO-START FEATURE THAT ACTIVATES WHENEVER THE PROPEL LEVER IS MOVED FROM NEUTRAL; DEACTIVATES WHENEVER LEVER IS MOVED INTO NEUTRAL.

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**WATER SPRAY SYSTEM:**

THE COMPACTOR SHALL HAVE A POLYETHYLENE TANK OF NOT LESS THAN 39 GALLON CAPACITY.

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THE TANK SHALL BE EQUIPPED WITH A FILL CAP AND FILL SPOUT STRAINER.

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THE PRESSURIZED WATER SPRAY SYSTEM SHALL UTILIZE A THREE-MODE SPRAY SYSTEM WITH CONSTANT, OFF OR INTERMITTENT CAPABILITIES. THIS SYSTEM SHALL HAVE TRIPLE FILTRATION.

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**SERVICEABILITY:**

WATER SPRAY NOZZLES AND FILTERS SHALL BE EASILY REMOVED WITHOUT THE USE OF SPECIAL TOOLS.

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THE MACHINE SHALL HAVE QUICK CONNECT HYDRAULIC TEST PORTS THAT SIMPLIFY SYSTEM DIAGNOSIS.

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THE MACHINE SHALL HAVE EXTENDED LIFE OILS THAT INCREASE MAINTENANCE INTERVALS FOR THE VIBRATORY SYSTEM, HYDRAULIC SYSTEM, AND ENGINE OIL.

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**COMPLY**

A REMOTE MOUNTED DRAIN FOR THE ENGINE OIL AND HYDRAULIC OIL SHALL BE PROVIDED.

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CHANGE INTERVALS FOR ENGINE OIL SHALL BE EVERY 500 HOURS, HYDRAULIC OIS SHALL BE ANNUALLY OR 1,000 HOURS, AND VIBRATORY SYSTEM BEARING LUBRICATION SHALL BE EVERY THREE YEARS, OR 3000 HOURS.

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A SINGLE LIFTING POINT SHALL BE PROVIDED CONSISTING OF A SOLID BAR AND LIFTING EYE ATTACHED TO THE CENTER OF THE MACHINE TO ALLOW EASY LOADING.

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**MINIMUM SERVICE FILL CAPACITIES:**

ENGINE OIL (WITH FILTER) .90 GALLONS

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FUEL TANK 7.9 GALLONS

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HYDRAULIC FLUID 8.9 GALLONS

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WATER SPRAY TANK 39.6 GALLONS

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**BID PAGE**

Price quoted shall include title fee, any documentation fee, and all transportation (delivery) charges fully prepaid to the City Garage, 625 Woodmere Ave., Traverse City, MI 49686.

YEAR, MAKE & MODEL OF COMPACTOR BID: \_\_\_\_\_

COST OF COMPACTOR: \$ \_\_\_\_\_

EXPECTED DELIVERY DATE: \_\_\_\_\_  
(Length of time after receipt of purchase order)

COMPANY: \_\_\_\_\_

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

PHONE: \_\_\_\_\_

BID SUBMITTED BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

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

**Bidder - Please complete and return**

**BID SUMMARY**

**TITLE: TWO TON VIBRATORY ASPHALT COMPACTOR  
CATERPILLAR CB14XW OR EQUIVALENT**

**DUE DATE: THURSDAY, FEBRUARY 23, 2012 AT 2 PM**

Having carefully examined the specifications and any other applicable information, the bidder proposes to furnish all items necessary for and reasonably incidental to the proper completion of this bid. Bidder submits this bid and agrees that the bid may not be withdrawn for a period of thirty (30) days from the actual date of the opening of the bid.

Bidder understands and agrees, if selected as the successful bidder, to accept a Purchase Order/Service Order from the City and to provide proof of any required insurance.

Bidder submits this bid and agrees to meet or exceed all the City of Traverse City's requirements and specifications unless otherwise indicated in writing and attached hereto.

Bid forms are to be completed, including bid sheet, and submitted. Items not meeting specifications must be noted in the "comply" column and bidder shall fully describe every variance, exception, and/or deviation. Additional sheets may be used and submitted with bid.

Bidder is also required to submit, with the bid, the latest printed manufacturer's specifications and advertising literature on the equipment (including components) to be provided. Completed unit MUST be equipped in compliance with all applicable ANSI, OSHA, State and Federal Motor Vehicle Safety standards and regulations in effect at time of manufacture.

Bidder understands that the City reserves the right to accept any or all bids in whole or in part and to waive irregularities in any bid in the best interest of the City of Traverse City. The bids will be evaluated and awarded on the basis of the best value to the city. Criteria used will include, but not be limited to, vendor/contractor's ability, qualifications, experience, type and amount of equipment, purchase price, maintenance cost(s), insurance, resale, license and permits and overall capability meeting the needs of the City of Traverse City. The City is sales tax exempt – Government.

The Bidder certifies that it is in compliance with the City's Nondiscrimination Policy as set forth in Administrative Order No. 47 and Chapter 605 of the City's Codified Ordinances.

Pre-delivery Inspection: Successful bidder shall make a complete inspection of vehicle (and/or equipment) to insure it meets specifications and perform any pre-delivery service(s) required

before the vehicle is delivered. Acceptance shall be subject to complete inspection and approval of the City.

Terms: Net Cash. Payment will be made as soon as possible after delivery/acceptance of equipment. Price quoted shall include any title fee and all delivery costs to the City Garage, 625 Woodmere Ave., Traverse City, MI 49686

Bidder certifies that as of the date of this bid, Bidder's company or Bidder is not in arrears to the City of Traverse City for debt or contract and is in no way a defaulter as provided in Section 152, Chapter XVI of the Charter of the City of Traverse City.

The City may require an in house equipment demonstration for your bid to be considered.