



# Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
 ONE CAPITOL HILL  
 PROVIDENCE RI 02908

CREATION DATE : 09-JUL-19  
 BID NUMBER: 7598887  
 TITLE: COMPACT TRACK LOADERS AND FLATLINER  
 COLD PLAINER  
  
 BID CLOSING DATE AND TIME:09-AUG-2019 11:30:00

BUYER: Ward, Alyssa J  
 PHONE #: 401-574-8472

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 DOT ACCOUNTS PAYABLE  
 TWO CAPITOL HILL, RM 230  
 SMITH ST  
 PROVIDENCE, RI 02903  
 US

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 DOT MAINTENANCE BUSINESS OFFICE  
 360 LINCOLN AVE  
 WARWICK, RI 02888  
 US

Requisition Number: 1615961

Note to Bidders: All questions regarding this solicitation must be forwarded to [doa.purquestions7@purchasing.ri.gov](mailto:doa.purquestions7@purchasing.ri.gov) no later than August 1st, 2019 at 4:00pm.

Line	Description	Quantity	Unit	Unit Price	Total
1	A pre-bid conference will be held on July 25th, 2019 at 2:00 pm at 360 Lincoln Ave, Warwick RI 02888 2nd floor conference room. . DOT: COMPACT TRACK LOADERS Line Note to Bidders: MAKE: _____ MODEL: _____	6.00	Each		
2	DOT: FLATLINER COLD PLAINER Line Note to Bidders: MAKE: _____ MODEL: _____	1.00	Each		

Delivery: \_\_\_\_\_

Terms of Payment: \_\_\_\_\_

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

**Contract Terms and Conditions**

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**Terms and Conditions**

**BID STANDARD TERMS AND CONDITIONS**

**TERMS AND CONDITIONS FOR THIS BID**

**RIVIP INFO - BID SUBMISSION REQUIREMENTS**

It is the vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form should be attached to the front of the offer. Each bid proposal must be submitted in a separate sealed envelope with the bidder's name and address and the specific "Solicitation Number," "Solicitation Title," and the "Bid Proposal Submission Deadline" marked in the upper left-hand corner of the envelope.

The bid proposal must be delivered (via mail, messenger service, or personal delivery) to the Division of Purchases and date-stamped/received by the date and time specified for the bid proposal submission deadline. Bidders should mail bid proposals sufficiently in advance of the bid proposal submission deadline to ensure timely delivery to the Division of Purchases or, when delivering a bid proposal in person or by messenger, should allow additional time for parking and clearance through security checkpoints. Bid proposals must be addressed to:

Rhode Island Department of Administration  
Division of Purchases, 2nd Floor  
One Capitol Hill, Providence, RI 02908-5855

Bid proposals that are not received by the Division of Purchases by the bid proposal submission deadline for whatever reason will be deemed late and will not be considered. The submission time will be determined by the time clock in the Division of Purchases. Postmarks will not be considered proof of timely submission.

Bid proposals in electronic format are not accepted at this time.

At the bid proposal submission deadline, bid proposals will be opened and read aloud in public.

**DIVESTITURE OF INVESTMENTS IN IRAN REQUIREMENT:**

**No vendor engaged in investment activities in Iran as described in R.I. Gen. Laws §37-2.5-2(b) may submit a bid proposal to, or renew a contract with, the Division of Purchases. Each vendor submitting a bid proposal or entering into a renewal of a contract is required to certify that the vendor does not appear on the list maintained by the General Treasurer pursuant to R.I. Gen. Laws §37-2.5-3.**

**DELIVERY PER AGENCY**

DELIVERY OF GOODS OR SERVICES AS REQUESTED BY AGENCY.

VENDOR \_\_\_\_\_  
**SPECIFICATIONS**

**Rhode Island**  
**Department of Transportation**

**Highway & Bridge Maintenance Division**

**COMPACT TRACK LOADER**

**Vertical Lift Arm Path**

**3525 lbs. RATED OPERATING CAPACITY**

**GENERAL:**

The following specification is for Six (6) Compact Track Loaders for the Rhode Island Department of Transportation, Highway Maintenance Department. The units shall be the latest current model of standard design manufactured, complete with all standard equipment, special tools and warranties. Bidders are to supply the latest printed literature and detailed specifications on equipment the bidder purposes to furnish. All specifications listed within this bid packet are minimum requirements. It is expected that tractor providers and respective up-fitting builders communicate and understand the coordination that is required for this build.

All completed units shall comply with all applicable O.S.H.A. ANSI, FMVSS standards and regulations. The specifications listed below shall be considered minimum requirements.

The dimensions in this specification are not intended to preclude any manufactures. Minor deviations to the dimensions based on sound engineering and proven product life in municipal applications are acceptable.

Any manufacture's deviation from the specification, no matter how minor, shall be noted on a separate sheet and be referenced to the section. The deviation shall be explained in detail and identified as an Exception, Clarification or Enhancement. Any "or equal" or "equivalent" items for brand specified components shall be listed with the bid package. Complete description and literature on the "or equal" components shall be supplied for consideration by the RIDOT. The burden of proof regarding "or equal" items will be upon the vendor. Responses that do not include an Exception, Clarification or Enhancement sheet on the bidder's letterhead shall be determined to be non-responsive.

**MANUFACTURER AND MODEL NUMBER:**

Indicate manufacturer and model number of the unit quoted.

Manufacturer: \_\_\_\_\_

Model: \_\_\_\_\_

**COMPACT TRACK LOADER**

**ENGINE**

DIESEL ENGINE MUST MEET EPA REGULATIONS (TIER 4 Final)  
 4 CYLINDER WATER COOLED ENGINE 114 Gross HP MIN  
 Torque of 339 lbf-ft (335N-m) at 2300 RPM. MIN  
 Loader engine shall be turbo charged  
 VITAL SYSTEM PROTECTION AUTOMATIC ENGINE SHUTDOWN IS REQUIRED AS STANDARD  
 Dual element air cleaner and air intake heater cold weather assist shall be provided as standard  
 equipment.  
 Cold weather assist shall be automatically activated.  
 Air cleaner shall be a dry replaceable cartridge with safety element.  
 Air intake pre-cleaner shall be included in the air cleaner housing.  
 MUST OFFER A SELECTABLE FUEL ECONOMY MODE AS STANDARD FEATURE

**COMPLY:** \_\_\_\_\_

**DRIVE SYSTEM**

HYDRAULIC PILOT OPERATED JOYSTICK CONTROLS  
 HIGH MOUNT TRACK DRIVE  
 MOTORS TO DRIVE RUBBER TRACKS THROUGH DIRECT DRIVE DESIGN WITH FINAL PLANETARY  
 REDUCTION  
 Undercarriage shall be of a roller suspension type.  
 Carriage has 5 steel floatation rollers, 3 triple flange and 2 dualflange per carriage side  
 Undercarriage shall be of a roller suspension type.  
 Carriage shall have 5 steel floatation rollers, 3 triple flange and 2 dual flange per carriage side  
 SHALL INCORPORATE TRACK TENSIONING TECHNOLOGY TO REDUCE MAINTENANCE  
 REQUIREMENTS LOWER FUEL CONSUMPTION AND INCREASE TRACK LIFE THROUGH CONSISTANT  
 OPERATION WITH TRACK SET AT PROPER TENSION  
 TRACK SYSTEM SHALL BE DEDICATED DESIGN, NOT BOLT-ON WITH INTERNAL MOTOR PLUMBING  
 Steel rollers and idlers shall be permanently sealed and lubricated requiring no routine maintenance  
 RUBBER TRACKS SHALL HAVE STEEL MANDRILS EMBEDDED INSIDE TRACKS  
 TRACKS SHALL BE ALLSEASON CAMOPLAST

**COMPLY:** \_\_\_\_\_

**PERFORMANCE FEATURES**

OPERATING WEIGHT		12,350 lbs. MIN
PUSH FORCE		12770 lbs MIN
LIFT BREAK OUT FORCE BUCKET		7491 lbs MIN
TILT BREAK OUT FORCE		9901 lbs. MIN
MAX DUMPING HEIGHT To PIN		99.6 INCHES MIN
LIFTING CAPACITY		3525 lbs.
TRAVEL SPEED – 2 SPEED OPTION	LOW RANGE	5.3 MPH MIN
	HIGH RANGE	8.0 MPH MIN

**COMPLY:** \_\_\_\_\_

**DIMENSIONS**

OVERALL LENGTH WITHOUT ATTACHMENTS	127.7"
WIDTH	69.5"
HEIGHT	83.1"
GROUNING CLEARANCE	12.2" MIN
CRAWLER BASE FROM CENTER OF ROLLERS	61.8"
TRACK WIDTH	17.7" MIN

**COMPLY:** \_\_\_\_\_

**BUCKET SPECIFICATIONS**

CONSTRUCTION AND INDUSTRIAL HD BUCKET WITH BOLT ON CUTTING EDGE TO BE INCLUDED AND SIDE CUTTERS

BUCKET WIDTH	88 INCHES
BUCKET HIEGHT	22 INCHES

**COMPLY:** \_\_\_\_\_

**HYDRAULIC ATTACHMENT CIRCUIT CAPACITY**

PUMP 1 HIGH FLOW	37.4 GPM MIN
PUMP 2 LOW FLOW	29.1 GPM MIN

**COMPLY:** \_\_\_\_\_

**ACCESSORIES**

- Cab Enclosure w/ Heat & AC FOLD UP FRONT DOOR
- Sound Reduction
- Hydraulic Bucket Positioning Return to dig
- Engine Block Heater
- Deluxe Instrument Panel
- 14 Pin Power Attachment Control Kit
- POWER QUICK ATTACH SYSTEM FOR BUCKET ATTACHMENT
- 3-Point Seat Belt
- AIR RIDE SEAT
- Radio
- FACTORY INSTALLED FALLING OBJECT PROTECTION (ROPS/FOPS LEVEL2)

**COMPLY:** \_\_\_\_\_

**ATTACHMENTS**

- All attachments shall be mounted on a quick-change mechanism. No attachments will be considered unless it can be removed or mounted by an experienced operator within two minutes or less.
- The quick change mechanism shall incorporate two handles that drive spring loaded, wear compensating wedges into the attachment ensuring a tight attachment fit-up.
- The quick change mechanism shall be driven by hydraulics.
- A remote attachment control device shall be available for specified attachments to start the loader and operate the attachment from outside the operator control area.
- A single control unit shall be provided which will control all available attachments.
- High flow hydraulics shall be included.
- Six (6) Heavy Duty Buckets with 88" cutting edges.
- Six (6) Heavy Duty Fork Frames with 48" pallet forks.
- One (1) Flatliner Model FL48 (See Attachment 1) with carbide teeth.
- One (1) Complete set of replacement carbide teeth for the Flatliner Model FL48

**COMPLY:** \_\_\_\_\_**SERVICEABILITY**

- Engine shall be transversely mounted to provide easy access to daily maintenance items.
- Access shall be available to the following through the rear door/tailgate and rear screen.
  - Air cleaner
  - Alternator
  - Battery
  - Cooling system (engine oil and hydraulic oil cooler) for cleaning
  - Engine oil and fuel filters
  - Engine oil drain and dipstick
  - Starter
  - DPF/SCR catalyst housing
- Easy access shall be provided to all lift arm grease points.
  - Lift arm pins and connecting points shall be of a single plane design.
- Quick-Tach pivots shall have replaceable wear bushings.
- Rod end of the tilt cylinder shall have a replaceable bushing.
- Tailgate shall be constructed from a ¼" thick solid steel door.
- Tailgate shall have an optional lock for vandal proofing.
- Tailgate shall be equipped with doorstop to hold door open while servicing.
- Tip-up operator cab shall give access to certain hydraulic system components.

**COMPLY:** \_\_\_\_\_**SAFETY EQUIPMENT**

- An enclosable operator cab with side screens shall be provided as standard equipment. Cab shall meet SAE standards J1040 and J1043 for Rollover Protective Structure and Falling Object Protective Structure. Minimum inside cab width of 33" (838 mm).
- An electric switch operated parking brake shall be furnished.
- Additional operator protection shall be provided by a seat bar or similar device which restricts lift arm operation when not in use.
- A lift arm support device shall assist in servicing the loader shall be provided.
- Grab handles shall assist the operator in mounting and dismounting the loader shall be provided.
- Loader shall be equipped with an interlock control system which requires that the operator be seated in the loader with the seat bar down in place and the engine running before the hydraulic lift, tilt and the traction drive system can be operated. The auxiliary hydraulics shall deactivate when the operator raises the seat bar. Should the engine not start or a system problem occur with the lift arms raised, the lift arms can be lowered by turning the lift arm by-pass control knob clockwise ¼ turn. Then, pull up and hold until the lift arms slowly lower.
- Shall have operational instructions and warning decals with pictorials and international symbols plus some messages in English.
- Shall have a weather resistant operator handbook written in English attached to the loader.
- Loader shall include an alarm package including a horn and backup alarm.
- 4 way flashing lights shall be provided.
- Turn signals shall be provided.
- FOPS Level II shall be provided.
- Fire extinguisher kit shall be provided.

**COMPLY:** \_\_\_\_\_



**WARNING LIGHTS:**

3.375" x 7.625" semi-oval, amber LED warning lights, model M7AC / M7FC integral flasher, scan lock patterning and clear lenses with chrome plated surface mount flange adapters shall be mounted in the following locations:

- Two (2) mounted on the front top of the cab, one (1) each side
- Two (2) mounted on the back top of the cab, one (1) each side

NOTE: Each directional LED is to be programmed and flash in a rotating pattern. Final placement of all lighting shall be approved by RIDOT Motor Pool.

**COMPLY:** \_\_\_\_\_

**Warranty:**

Basic	60 month/6,000 hours
Powertrain	60 month/6,000 hours

**COMPLY:** \_\_\_\_\_

**MANUALS:**

Vendor shall provide current editions of all relevant unit manuals. This shall include but not be limited to overhaul and tune-up manuals, diagnostic, wiring, troubleshooting, and parts manuals for engine, transmission, differential and all components. These shall be supplied in both hardcopy and electronic formats.

Two operator's manual detailing the recommended operating procedure shall be delivered with each unit. These shall be supplied in both hardcopy and electronic formats. They shall consist of the following: shop manual, parts manual including exploded views of major components with their part numbers, wiring diagram, operator's manual, and a summary of warranties offered in excess of the standard one year. The manuals shall fully and clearly cover all components of the components installed on unit by the upfitter. Manuals shall also include comprehensive trouble shooting and diagnosis information for all functions. Shop manual shall explain, in detail, procedures for overhauling all major components.

The content of the set will be evaluated for approval at the prototype approval meeting.

Any deviations from this system shall be noted on the bid and approved by the RIDOT Division of Highway & Bridge Maintenance Administration. A complete system description and product literature for major components shall accompany the bid.

Failure to provide manuals may result in 5 percent of total bid being withheld.

**TRAINING:**

A "hands on" operator/technician training session shall be provided at RIDOT Division of Highway & Bridge Maintenance Headquarters. The training session topics will be coordinated through RIDOT Motor Pool section and may include but are not limited to complete unit functions and operation, proper maintenance and operation of all components, engine tune-up and maintenance, and multiplex systems. The training session shall accommodate at least 12 RIDOT employees. Training shall be provided approximately 3 weeks after delivery of the first unit.

**TRAINING RESOURCES**

- A comprehensive Compact Track Loader Operator Training Kit shall be available. The kit shall include a video, classroom and hands-on training.

**DELIVERY SCHEDULE:**

Delivery shall be completed within ninety (90) days of the successful proposal. All bidders shall provide as part of their bid a schedule for the delivery of all trucks to RIDOT 360 Lincoln Ave, Warwick, RI 02888. This date shall be listed as the number of days following issuance of a Notice-to-Proceed that the bidder shall successfully deliver all units to the Rhode Island Department of Transportation. Failure to submit a schedule will result in the bid being considered non-responsive. Failure to meet the schedule will result in 3% retention on the total order.

**CERTIFICATE OF ORIGIN, TITLE and DELIVERY DOCUMENTATION:**

At the time of delivery to the State, each vehicles delivered shall be accompanied by a window sticker, title certificate, "Certificate of Origin," and registration documents.

1. The "Certificate of Origin" shall have the owner listed as "STATE OF RI/FLEET OPERATIONS, ONE CAPITOL HILL, PROVIDENCE, RI 02908." It shall include at a minimum, the following information:
  - THE MANUFACTURER, MODEL NAME AND NUMBER
  - THE MANUFACTURER'S VEHICLE IDENTIFICATION NUMBER (VIN)
  - THE NUMBER OF ENGINE CYLINDERS AND ENGINE TYPE
  - A GENERAL DESCRIPTION OF THE BODY AND GVW #
  - THE ODOMETER DISCLOSURE MUST BE COMPLETED ON THE VENDOR'S SIDE OF "CERTIFICATE OF ORIGIN".
2. Title certificates must be provided.
3. The successful vendors will be required to provide the following:
  - A completed application for registration and Title Certificate (TR-1) with the exception of Sections G and H. Owner to be listed as:  
State of RI/Fleet Operations, One Capitol Hill, Providence, RI 02908.
  - A completed States or Use Tax Exemption Certification - Motor Vehicles. Purchaser to be listed as: State of RI/Fleet Operations, One Capitol Hill, Providence, RI 02908.

**CONCLUDING STATEMENTS:**

Responses to this solicitation must be submitted in duplicate and each page shall be numbered (ex. 1 of X) and include the vender's name. A Pre-Bid conference will be held for this bid at a date to be determined. Bids must be predicated on the basis of the bidder's full and unencumbered title to the vehicle(s) as of the date of delivery to the State. Bids subject to lien or assignment at the time of delivery to the State, or which stipulate third party or joint payment, will be rejected. Notwithstanding the above, the State reserves the right not to award this contract or to award on the basis of cost alone, to accept or reject any or all proposals, and to award in its best interest. Proposals found to be technically or substantially non-responsive at any point in the evaluation process will be rejected and not considered further. The State may, at its sole

option, elect to require presentation(s) by offerors clearly in consideration for award.

## Attachment 1

### Page 1 of 2

# Keystone Engineering Flatliner FL 48 Specification

**General:** This specification is intended to cover a hydraulically driven asphalt bump grinding and line removal attachment. This attachment is used for smoothing asphalt surfaces by grinding the area above the zero point, alternatively, the grinder can be used to remove pavement markings.

	<b>FL48</b>
<b>Grinding Width</b>	<b>49"</b>
<b>Grinding Depth</b>	<b>0-1"</b>
<b>Number of bits</b>	<b>140</b>
<b>Hydraulic Horsepower (HHP) Requirement</b>	<b>70</b>
<b>Operating Weight (lbs)</b>	<b>3400</b>
<b>Planetary Capacity</b>	<b>19 oz (Half Full)</b>
<b>Planetary Lubrication</b>	<b>90 Weight Gear oil with EP additives</b>

**Drive System:** The drum shall be driven by a hydraulic motor that turns a reduction gearbox. The drum must be supported on the opposite end by an outboard flanged cartridge bearing.

**Housing:** The unit shall be equipped with a rotatable housing that must be able to rotate right to left and rotate forward to back to insure the unit rides on the existing profile of the road. The unit shall have minimum of 8 swivel casters to support the housing's load.

**Averaging Ski:** The unit shall be equipped with an averaging ski must be able to be adjustable with a minimal ski width of 1' and a maximum ski length of 9'.

**Gutter Brooms:** The unit shall be equipped with two cutter brooms that are located on both the right and the left side of the unit directly in front of the adjustable casters to move debris away from the casters.

**Mechanism for Setting Depth:** The unit shall be equipped with a manual device for setting depth. The device must have a minimum of a 2" diameter threaded rod that can be moved up and down to adjust accordingly to find the zero point. The unit shall have the ability to double nut to lock into a fixed position.

**Front Skirt:** The unit shall be equipped with a skirt type device. This device will also reduce the amount of debris that could be ejected from the dome by acting as a shield.

**Internal Water System:** The unit shall be equipped with the ability to flow water through the center of the drum to aid in dust control.



**Attachment 1****Page 2 of 2**

**Cutter Head:** The unit shall be equipped with a 48" cutting mandrel designed specifically for planing/shaving asphalt to close tolerances. The planing/shaving mandrel shall have a minimum of two wraps of flighting with a flat 3/4" carbide or diamond bit on each wrap creating a double hit cutter drum. The carbide bits will overlap each other by .050" on each wrap. Each revolution of the drum will plane/shave the surface at least two complete times.

**Tooling System:** The unit shall be equipped with a bolt-on tooling system that uses a weld-on block and a carbide or diamond tipped bit. The height of the tooth holder block is to be uniform and not vary the cutting radius of the mandrel by plus or minus of .005". The flat carbide or diamond tipped bit is to be uniform in size. The length of the carbide or diamond tipped bit shall be uniform within plus or minus of .005". Both the tooth holder block and the carbide or diamond tipped bit must be completely machined. The carbide or diamond tipped bit must be removable in order to check tolerances.