

TO RECEIVE A BID PACKAGE, BIDDER MAY EITHER DOWNLOAD THE BID FROM THE AUTHORITY'S WEBSITE AT <http://www.state.nj.us/turnpike/purchasing.html> OR REQUEST A BID BY COMPLETING THIS FORM AND FAXING IT TO THE NUMBER STATED BELOW FOR RECORD KEEPING PURPOSES. WE REQUEST THAT THE BIDDER COMPLETE THIS FORM AND RETURN TO US, EVEN WHEN BIDDER IS DOWNLOADING THE BID. THIS IS THE ONLY NOTICE OF BIDDING FOR THE FOLLOWING GOODS / SERVICES YOU WILL RECEIVE.

**THE NEW JERSEY TURNPIKE AUTHORITY
PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT**

P.O. Box 5042
581 Main Street
Woodbridge, New Jersey 07095-5042
Tel. - 732-750-5300
Fax - 732-750-5399

REQUEST FOR BIDS

TITLE: COMPACT EXCAVATORS

BID NO: R-98711

DUE DATE: March 20, 2013

TIME: 2:00 PM

SUBMIT BIDS BEFORE THE DUE DATE AND TIME TO THE ABOVE ADDRESS
BIDDER INFORMATION (PLEASE PRINT)

NAME OF BIDDING ENTITY

ADDRESS

CITY, STATE AND ZIP CODE

E-MAIL ADDRESS

REPRESENTATIVE TO CONTACT-NAME & TITLE

TELEPHONE NO.

FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO.

FAX NO

WE HAVE DOWNLOADED THE BID FROM THE AUTHORITY WEBSITE

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FAX NO.

BUSINESS CORPORATION _____ PARTNERSHIP _____ INDIVIDUAL

OTHER (SPECIFY): _____

BIDDER GUIDELINES/CHECKLIST

PURSUANT TO N.J.S.A. 27:23-6.1 AND N.J.A.C. 19:9-2.1 et seq. BID PROPOSALS WHICH FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:

1. Bid proposals must be received at or before the public opening time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 581 Main Street, Woodbridge, New Jersey 07095. Telephone or Facsimile proposals will not be accepted. The accompanying self-addressed envelope should contain or be attached to the bid proposal.
2. The bid proposal must include all price information. Proposal prices shall include delivery of all items F.O.B. destination or as otherwise provided. Price quotes must be firm through issuance of contract.
3. All bid proposal prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the bidder.
5. **See the Authority’s Instructions to Bidders (attached) for a complete list of the Authority’s standard contract Terms and Conditions, as well as REQUIRED FORMS that must be included with the bid proposal or the bid will be rejected.**
6. **Bidders shall include the following documents with their bid:**
 - (a) State of New Jersey Division of Revenue Business Registration Certificate(s)
 - (b) Certification of Registration with the Secretary of State (only if a foreign (non-NJ) corporation)
 - (c) Acknowledgement of Requirement for Disclosure of Political Contributions (ELEC)
 - (d) Public Works Contractor Registration Certificate(s) (if applicable)
 - (e) Affirmative Action Information Sheet with Certificate or Form AA302
 - (f) Signed Mandatory Equal Employment Opportunity Language
 - (g) SBE/WBE/MBE Certificates and Form
 - (h) Vendor Disclosure Form (EO129 - Location of Services)
 - (i) Notice of Set-Off for State Tax (P.L. 1999, c.159)
 - (j) Automobile Waiver
 - (k) Insurance Requirement
7. **This Request for Bids requires the following Mandatory Documents or the bid will be rejected:**

Stockholder/Partnership Disclosure Statement
8. Bidder must sign the Bid
9. 3-Year Open-End Option

REQUEST FOR BIDS
THIS IS NOT AN ORDER

Sealed Bid R-98711 will be received at the New Jersey Turnpike Authority Administrative Offices, 581 Main St., Woodbridge, New Jersey, as stated on the cover page at which time and place said bid will be publicly opened and read. Bidders mailing bids should allow for their normal mail delivery time to ensure timely receipt of their Public Bids. Please be advised that using overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any bid not being received by the required date and time.

INTENTION

It is the intention of the Authority to issue a Purchase Order for the purchase of **TWO (2) 12” RUBBER TRACKED COMPACT EXCAVATORS, AS PER ATTACHED SPECIFICATIONS.** Items purchased under this Contract will be delivered as directed by the Authority. Please contact Richard Bava with any questions regarding this procurement at 732-750-5300 X 8636.

BID SHEET INSTRUCTIONS

Prospective Bidders should follow all instructions in this Request for Bids and in the standard Instructions to Bidders issued by the Authority, and any other documents issued by the Authority in connection with this Request for Bids (collectively, “Bid Documents”). Prospective Bidders must examine the Bid Documents carefully before bidding and must ask the Director of Purchasing in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. Any written request for interpretation or correction shall be directed to the Director of Purchasing. Written requests can be submitted by FAX at 732-750-5399. If necessary, an interpretation or correction shall be issued by the Director of Purchasing as an Addendum and FAXED to prospective Bidders who have obtained the Bid Documents. Upon the issuing of an Addendum, the content of the Addendum shall become part of the Bid Documents. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the bid opening date.**

Only written interpretations or corrections issued by the Director of Purchasing by Addendum shall be binding.

The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its Bid, fails to notify the Director of Purchasing of the existence of an ambiguity, inconsistency in the Bid Documents, a Bid will conclusively be presumed to have been based upon the interpretation of such ambiguity or inconsistency. All erasures, interpolations or other physical changes on the Bid form

shall be signed or initialed by the bidder. Bids containing any conditions, omissions, erasures, alterations, or items not called for in this Request for Bids, or irregularities of any kind, may be rejected by the Authority, in its sole discretion, as being incomplete. The bidders shall not attach conditions, limitations or provisos to their Bid, except in cases where "Exceptions" are permitted.

The Authority will accept Approved Equivalent items on this bid. If a bidder is basing the proposal on items other than what is specified, and wishes the items he proposes to be considered as an "Approved Equivalent," the Bidder shall enter a price on the bid sheet then submit on the Exception Sheet in the exact format of the line item on the Request for Bids contained herein, the item number, an item description, including manufacturers name, model number, and packaging quantities of those Items which the Bidder proposes to substitute.

Bidders must quote only one price per line item. If a bidder quotes multiple prices per line item, the bid proposal may be rejected. All items are to be bid FOB Destination. All shipping, handling, and other costs should be considered in the bid price. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases to line item quantities. All items are to be bid FOB Destination. All shipping, handling, and other costs should be considered in the bid price.

Contract award will be made to the lowest, responsible bidder.

REQUEST FOR BIDS

ITEM	QUAN.	UNIT OF MEAS.	DESCRIPTION	UNIT PRICE	TOTAL BID PRICE
1	2	Each	12" RUBBER TRACKED COMPACT EXCAVATORS, AS PER ATTACHED SPECIFICATIONS.	\$	\$

Contract award will be made to the lowest, responsible bidder.

**ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA FAX NO LATER THAN FIVE (5)
BUSINESS DAYS BEFORE BID OPENING**

DELIVERY DATE _____, to sites as specified in the bid specifications.
Discount Terms Based On Net 30 Days Only.

NEW JERSEY TURNPIKE AUTHORITY

AUTHORIZED SIGNATURE

Name of Company and / Authorized Signature of Bidder

SIGNATURE PAGE

ADDENDA / INQUIRIES: COMPLETE (if applicable) BEFORE SUBMITTING BID:
Receipt of Addendum / Inquiries # _____ dated _____ is hereby
acknowledged.
Receipt of Addendum / Inquiries # _____ dated _____ is hereby
acknowledged.

CHECK BOX IF NO ADDENDA/INQUIRY ISSUED

(All Addenda / Inquiries must be acknowledged as indicated above.)

BID IRREVOCABLE: This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this bid except in those instances where an unsuccessful bidder has filed a Protest pursuant to N.J.A.C. 19:9-2.12. Upon notification of a Protest, Bidders are required to hold their prices for an additional 90 days. All bidders will be notified in writing of the action taken by the Authority.

OFFER/CERTIFICATION: The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this bid with full authority so to do; and that all statements contained in this bid and in this certification are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

AUTHORIZED SIGNATURE: _____

Print Name and Title: _____

Bidding Entity: _____

Address: _____

City, State, Zip: _____

Telephone #: _____ Fax: _____

Date: # _____

NEW JERSEY TURNPIKE AUTHORITY

NO RESPONSE BID SURVEY

BID REQUISITION NUMBER: R-98711

BID TITLE: 12" RUBBER TRACKED COMPACT EXCAVATORS

If you do not choose to respond to this Bid, please complete the form below:

Name of Company _____

Reason you did not respond (Check all that apply)

- Cannot supply product or service
- Cannot meet technical specifications
- Cannot meet delivery specifications
- Cannot meet legal requirements
(i.e. bid/performance/security/insurance, etc.)
- Cannot provide a competitive price at this time
- Interested in receiving specifications for informational purposes only.
- Insufficient lead time to respond
- Other :(please be specific)

Do you wish to remain on our mailing list?

Yes No

Additional comments: _____

Signed :(optional) _____

Company: _____

ADDITIONAL YEARS PURCHASING OPTION, for R-98711

BID TITLE: 12” RUBBER TRACKED COMPACT EXCAVATORS

3- Year Open End Option: The Authority shall have the option for one (1) Model Year* from the date of Contract, to order additional units conforming to the requirements of these specifications at the same price and under the same terms and conditions as those required herein.

The Authority shall further have the option to purchase additional units conforming to these specifications for two (2) additional Model Years. Any unit(s) offered during the two (2) subsequent Model Years shall be of the model equivalent to that specified herein. In the latter instances, if there have been any price changes in the two subsequent Model Years, the vendor shall submit a request to the Authority covering the aforesaid price changes, and shall include appropriate explanation and justification for any such price changes.

Any such request for price adjustment shall be in writing and directed to the Director, Purchasing Department and shall be accompanied by the following evidence as a basis for your request;

1. The published price lists for equipment, which were in effect at the time of your original proposal.
2. The equivalent published price lists in effect at the time of your request.
3. Any additional evidence which the Authority deems necessary in the evaluation of your request.

The Authority shall, within its sole discretion, have the right to accept the price changes proposed by the vendor or if it so desires re-bid the requirement.

*Model Year is defined as the Model Year of the Manufacturer of the unit(s) offered by you in this Request For Quotation. In that instance where proposals are for equipment for which “Model Year” and “Production Cut-Off Dates” are undefined or non-existent, the “Model Year” is defined, for bid purposes, as one calendar year from the date on which the Contract is accepted. The last date on which orders may be placed for the Model currently in effect is_____.

NEW JERSEY TURNPIKE AUTHORITY

GENERAL INSTRUCTIONS AND SPECIFICATIONS FOR: RUBBER TRACKED COMPACT EXCAVATOR AND ACCESSORIES

Quantity	Description	Maximum Delivery Date
2	8,000 lbs. Minimum Operating Weight, 12" Rubber Tracked Compact Excavator With ROPS Cab and Accessories	120 Days After Receipt of Order

SPECIFICATIONS: RTCE-2013 RUBBER TRACKED COMPACT EXCAVATOR

COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations. The unit and all associated equipment furnished shall be capable of passing the New Jersey State Motor Vehicle Inspection Laws, where applicable.

ENERGY STAR REQUIREMENTS: If applicable for items specified in bid package, the vendor must provide products that earn ENERGY STAR and meet the ENERGY STAR specifications for energy efficiency. The vendor is encouraged to visit energystar.gov for complete product specifications and updated lists of qualifying products. The ENERGY STAR label must also be affixed to each delivered item. The bidder's signature on the signature page certifies that items so indicated that have earned ENERGY STAR and meet the ENERGY STAR specifications or other standards for energy efficiency will be supplied.

ERRORS AND OMISSIONS: Inadvertent omissions or errors in the attached specifications must be brought to the attention of the New Jersey Turnpike Authority's Director of Purchasing at 732-750-5300 before bid submission date. If the bidder discovers any errors or omissions in the work undertaken and executed by them, they shall also immediately notify Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 who shall promptly verify the same. If, with knowledge of such error or omission and prior to the correction thereof, the bidder proceeds with any work affected hereby, they shall do so at their own risk and the work so done shall not be considered as work done under and in performance of this Agreement unless and until approved and accepted.

PILOT MODEL: Questions, which arise before or during the preparation of the pilot model, shall be addressed in writing via e-mail from the vendor to Peter Perperas (Project Supervisor), perperas@turnpike.state.nj.us at the New Jersey Turnpike Authority on a not to delay basis. The awarded bidder shall make available one **fully completed** pilot model for inspection and approval by the Authority. The unit shall be transported (responsibility of the awarded vendor) to the NJTA Garden State Parkway Division's Telegraph Hill Maintenance Facility located at Garden State Parkway Exit 116 in Holmdel, NJ 07733.

DELIVERY INSTRUCTIONS:

- A. Vendor must contact Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 for authorization to schedule date and time prior to delivery. Any work that needs to be completed including all pre-delivery preparation shall be done prior to delivery. **Deliveries shall be made to the NJTA Garden State Parkway Division Telegraph Hill Central Maintenance Facility located at GSP Exit 116 in Holmdel, NJ 07733.**
- B. Vendor shall be responsible for all delivery, shipping and pick-up expenses.
- C. All units must be pre-delivery serviced, completely assembled, operational, and cleaned prior to delivery.
- D. The following administrative package **must** accompany all deliveries:
- Certificate of Origin: stamped “Sales Tax Satisfied” and shall be made out to New Jersey Turnpike Authority, 581 Main St. Woodbridge, NJ 07095. Certificate of Origin shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
 - Invoice: purchase order number must be displayed on vendors invoice. Invoice shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
 - Warranty forms properly executed.
 - Four (4) keys for each unit shall be furnished. **NO EXCEPTIONS**
 - Four (4) keys, keyed alike for toolboxes or similar compartments shall be furnished for each unit. **NO EXCEPTIONS**
 - Delivery of all units fully completed and fully compliant shall be made no later than one hundred twenty (120) days after receipt of Purchase Order.
 - In the event the vendor fails to timely deliver the units, the vendor shall pay the Authority liquidated damages in the amount of \$800.00 per unit for each calendar day (**No Exceptions for Liquidated Damages**) beyond the maximum delivery date, as per Dataquest’s Rental Rate Blue Book for Construction Equipment.
- E. All units shall be delivered with a minimum of a half tank of fuel.
- F. **Deliveries made directly from the manufacturer to the Authority shall not be acceptable.**

WARRANTY: All units delivered must be guaranteed to be free from defects in materials, design and workmanship for a minimum of one (1) year from the time of acceptance by the New Jersey Turnpike Authority. All warranties shall start upon written acceptance of units by the New Jersey

Turnpike Authority. Warranty must include service availability from any manufacturers authorized dealer establishment most closely located to Parkway and Turnpike area. This repair facility may not be further than 100 miles from Telegraph Hill Central Maintenance Facility in Holmdel, NJ 07733 or Central Shops Maintenance Facility located in Hightstown, NJ 08520. If warranty service is required, the vendor who supplied the unit shall provide for pickup, delivery and repair of unit at no charge to the New Jersey Turnpike Authority. The vendor shall also have a program to include an in-house warranty. All warranty periods shall start from date of acceptance of unit by the New Jersey Turnpike Authority.

EXCEPTION SHEET: Exception sheet is furnished with each set of specifications. Bidders making exceptions must note exceptions by item and indicate substitution in lieu and submit with bid, detailed specifications on the substitution. If the vendor is submitting an alternate product, component, feature or part to what is referenced in the specifications, the proposals **must** be accompanied by descriptive literature, marked and indicate the exact items to be furnished, with an engineering drawing of the same. **Failure to supply information requested may result in rejection of bid.** Where no exception is taken, the word "None" shall be neatly printed or typed on the exception sheet. **Failure to supply information and/or failure to complete the bidder's exception spaces in the prescribed manner may disqualify bid. It shall be understood that if no exception is taken, the vendor shall supply all material exactly as specified. No substitution will be permitted after receipt of bids.**

UNIT INFORMATION FORM: Vendor shall complete the entire Unit Information Form. **Failure to complete form may result in rejection of bid.**

MANUFACTURER'S PRODUCTION SHEET: The vendor shall furnish one (1) copy of the actual Factory Production Sheet for each unit provided. The copies of the Factory Production Sheet shall be submitted at the time of the Authority's inspection of the unit.

TRAINING: It shall be the responsibility of the successful bidder to supply all safety, operational and service training to New Jersey Turnpike Authority personnel in accordance with all applicable ANSI and OSHA regulations. The safety and operational training shall consist of a complete review and understanding of the manufacturer's owner manual, along with actual operation of equipment. The instructor shall emphasize all proper uses for safe operation. The training shall include but not limited to all general troubleshooting of the hydraulic system and associated electronics. The instructor shall also emphasize the proper use of tools and test equipment along with general shop safety. The service seminars shall be similar to factory and manufacture type schools. The training shall be scheduled and take place at two (2) sites consisting of eight (8) hours at each site designated by the New Jersey Turnpike Authority.

LABELS: Plastic stick-on labels shall not be acceptable.

ADVERTISEMENTS: No Dealer advertisements shall appear on unit or any other related equipment.

ACCESSORIES: All accessories shall be manufacturer installed when the item is available from the manufacturer.

FACILITIES: Bidders shall represent a manufacturer, which has in operation a factory adequate for the manufacture of the equipment, which it proposes to furnish. The manufacture(s) whose associated equipment or products are bid shall have a full service warranty and parts supply facility that can guarantee availability of parts within 24 hours after telephone order and shall be located within a 100 mile radius of either Central Shops Maintenance Facility (exit 8 on the NJ Turnpike) located in Hightstown, NJ 08520 or Telegraph Hill Central Maintenance Facility (exit 116 on the GSP) located in Holmdel, NJ 07733. This facility will be required to establish an in-house warranty program and provide all warranty work related to the equipment in the bid proposal. The bidder shall submit the locations, names and telephone numbers of people who are authorized to service the equipment or who can be reached for emergency service.

Location _____

Phone # _____

Contact _____

Name & Title

**SPECIFICATIONS: RTCE-2013
RUBBER TRACKED COMPACT EXCAVATOR**

INTENT: The intent of this specification is to describe and govern the purchase of an 8,000 lbs. **minimum** operating capacity; 12" rubber tracked compact excavator with ROPS enclosed cab and accessories. The unit shall be new and of the latest design and be in current production at the time of the submission of bid. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items, when available.

BIDDER’S INSTRUCTIONS

IT SHALL BE THE BIDDER’S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED “APPROVED EQUIVALENTS” MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED “APPROVED EQUIVALENTS” MAY CAUSE REJECTION OF BID. WHERE “MINIMUM/MAXIMUM” IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

GENERAL:	COMPLY	
	YES	NO
A. 8,000 lbs. minimum operating capacity, 12" rubber tracked compact excavator with ROPS enclosed cab and accessories.		
B. The unit shall be new and of the latest design and be in current production at the time of the submission of bid.		
C. All standard and optional equipment shall be Original Equipment Manufacturer (OEM) items, when available. NO EXCEPTIONS		
D. Bidders shall supply detailed specifications, technical sheets, and brochures describing exact equipment that shall be provided. NO EXCEPTIONS		
E. Supplier shall be responsible for proper unit weight distributions to provide proper balance of unit when excavator is being operated at full capacity.		
ENGINE:		
A. 3-cylinder, liquid cooled diesel engine.		
B. The engine power shall be a minimum of 30 hp at 2400 rpm’s.		
C. Cubic inch displacement shall not be less than 100 cubic inches.		
D. Engine shall be Interim Tier 4 compliant.		
E. Fuel filter shall have a water separator.		
F. Engine shall have an automatic pre-heat.		

G. Engine shutdown system: <ul style="list-style-type: none"> • Engine coolant temperature • Engine oil pressure • Engine rpm 		
COOLING:		
A. Coolant recovery tank shall be provided and shall be able to display coolant level.		
B. Fan guard shall be supplied with unit.		
POWER TRAIN:		
A. Two (2) speeds shall be standard with auto-shifting when travel motors encounter heavier load.		
B. Speeds: <ul style="list-style-type: none"> • Low-1.5 mph minimum • High-2.8 mph minimum 		
HYDRAULIC SYSTEM:		
A. The hydraulic system shall have a variable displacement piston pump and a gear pump.		
B. Hydraulic pump shall provide 26 gpm for piston pump.		
C. Flow capacity to gear pump for bucket, boom, arm, and attachment operation shall be 29 gpm.		
D. The auxiliary pump flow shall be approximately 17 gpm.		
E. The controls shall be hydraulic, pilot operated for boom, arm, bucket, swing, boom-swing, backfill blade, travel, and auxiliary functions.		
F. The hydraulic oil tank shall have an oil level sight gauge.		
G. Auxiliary hydraulics with convenient flat face quick-couplers that shall connect and disconnect under pressure shall be supplied.		
ELECTRICAL:		
A. The alternator shall be rated at 90 amps.		
B. 12-volt maintenance free battery with 500 CCA.		
C. Switches and electrical connectors shall be sealed from moisture and dirt.		
UNDERCARRIAGE:		
A. The undercarriage shall have high-density rubber tracks.		
B. The steel core shall have curved ends to protect the rubber shoe edge from damage when riding on curbs.		
C. The width of the rubber track shall be 12".		
D. The ground pressure with rubber tracks shall be 4.5 psi.		
E. Track ground contact with rubber tracks shall be no less than 5'.		
UPPER STRUCTURE:		
A. The upper structure shall be capable of a 360° rotation.		
B. The swing boom to the left shall be no less than a 75° arc.		
C. The swing boom to the right shall be no less than 55°.		
D. When the operator station rotated 90° to the tracks, the rear overhang over the side shall not exceed 3.5" when the excavator is equipped with a long arm and counterweight.		
E. The boom cylinder shall be protected with a guard.		

F. The hoses in the articulation joint shall be protected by a guard.		
G. The swing post shall have a single pin to improve the stiffness in the boom and arm.		
FRONT ATTACHMENTS:		
A. Long arm minimum length shall be 5'5".		
B. A long arm option shall be supplied providing an additional 14" digging depth and 12" reach.		
C. The bucket to arm joint shall be wear-resistant and shall be protected with a substance comparable to Tungsten Carbide.		
D. The backfill blade shall be 68" wide.		
E. The backfill blade digging depth shall be no less than 1' drop below ground.		
F. The backfill blade lift shall be no less than 1'2" above ground.		
G. The backfill blade height shall be approximately 13".		
H. A mechanical wedge type bucket coupler shall be provided to make bucket changing easier.		
I. Hydraulic quick-couplers to end of boom shall be supplied.		
OPERATOR'S STATION:		
A. Operator's station shall be a ROPS fully enclosed cab with heat and air conditioning.		
B. Station shall be mounted onto shock absorbing rubber mounts to ensure comfortable operation.		
C. Retractable seatbelt shall be provided.		
D. Controls: <ul style="list-style-type: none"> • Direction, steering, and travel shall be controlled by hand and foot levers. • Thumb buttons control auxiliary hydraulics and boom swing. • Boom and arm functions shall be controlled by joysticks. • High and low travel speed shall be controlled by push button on blade lever. • Functions shall be selectable between ISO and Standard. 		
E. Monitor shall have the following indicators: <ul style="list-style-type: none"> • Engine Oil Pressure • High Coolant Temperature • Engine Pre-heat • Low Fuel • Alternator Voltage 		
F. Warning lights: <ul style="list-style-type: none"> • Engine coolant temperature • Engine oil pressure • Fuel level • Hydraulic malfunction 		
G. Indicators: <ul style="list-style-type: none"> • Auto idle • Auxiliary mode 		

<ul style="list-style-type: none"> • Pre-heat glow • Two-speed (high range) 		
H. Display screen (LCD): <ul style="list-style-type: none"> • Hour meter • Tachometer 		
I. Wrists rests shall be standard in the station.		
J. Cup holder shall be provided.		
K. A storage compartment in the operator's station shall be provided for the operator's manual.		
L. 12-volt auxiliary power port shall be provided.		
M. Horn shall be provided.		
N. Suspension seat shall be adjustable-forward and backwards.		
O. Front and rear work lights.		
P. All other manufacturer's standard items shall be provided with unit.		
FEATURES:		
A. Operating weight shall be a minimum of 8,000 lbs.		
B. Digging depth with long arm shall not be less than 11'.		
C. Digging reach with long arm shall not be less than 18'.		
D. Dump height shall not be less than 11'5".		
E. Maximum transport length shall be 15' 8".		
F. Overall height: 96" maximum .		
G. Bucket digging force shall be approximately 7,000 lbs.		
H. The arm breakout force shall not be less than 3,800 lbs.		
I. The undercarriage X-beams and track frames shall be sloped to shed material build-up for easier cleaning.		
J. All service checks shall be easily accessible.		
K. One (1) 20" quick-coupler bucket shall be supplied.		
L. Fuel tank capacity shall be at least 14 gallons.		
PAINT:		
A. Clean virgin metal and de-slag welds.		
B. Prime all metal.		
C. Two (2) coats DuPont Dulux Orange Enamel # 93-082 or approved equivalent in accordance with DuPont surface preparation and application instructions.		
MANUALS:		
A. The following manuals shall be supplied upon delivery for each unit ordered: <ul style="list-style-type: none"> • Operating-3 • Parts-1 • Maintenance-1 • Repair-1 		

FAILURE TO COMPLETE ALL AREAS MAY RESULT IN REJECTION OF BID

UNIT INFORMATION FORM

(Must be submitted by vendor with bid documents)

EXCAVATOR:

YEAR _____

MAKE _____ MODEL _____

OPERATING WEIGHT _____ LBS.

ENGINE:

YEAR _____

MAKE _____ MODEL _____

NO. OF CYLINDERS _____

_____ HP @ 2,400 RPM'S

BLADE:

LENGTH _____ WIDTH _____

MAKE _____

MODEL _____

ELECTRICAL SYSTEM:

VOLTAGE _____

BATTERY: CCA _____ AMPS

ALTERNATOR-MAKE/MODEL _____

AMPS: _____

FUEL TANK:

CAPACITY _____ GALLONS

BUCKET: (20")

MAKE _____

MODEL _____

SERVICING AGENCY:

LOCATED @ _____

TELEPHONE NO. _____

CONTACT _____

Name & Title

