



# CITY OF HOUSTON

**Strategic Purchasing Division**  
Administration and Regulatory Affairs  
Department

**Bill White**

Mayor

Calvin D. Wells  
City Purchasing Agent  
P.O. Box 1562  
Houston, Texas 77251-1562

F. 713.247.1811  
<https://purchasing.houstontx.gov>

June 3, 2008

Subject: **Letter of Clarification No. 1,  
Electric Man-up Stockpicker for the Fire Department**

Reference: **Invitation to Bid No.: S34-N22860**

To: All Prospective Suppliers:

This letter of Clarification is issued for the following reasons:

**To revise the bid document technical specifications of the above referenced bid solicitation as follows:**

1. Replace Pages 12 of 23 through 14 of 23 of the original bid document. Replace with Pages 12 of 23 through 14 of 23, marked revised June 3, 2008.

When issued, Letter(s) of Clarification shall automatically become a part of the bid documents and shall supersede any previous specification(s) and/or provision(s) in conflict with the Letter(s) of Clarification. It is the responsibility of the bidder to ensure that it has obtained all such letter(s). By submitting a bid on this project, bidder shall be deemed to have received all Letter(s) of Clarification and to have incorporated them into this bid.

If you should have any questions, or if further clarification is needed regarding this Invitation for Bid, please contact me.

A handwritten signature in black ink that reads "Larry Benka".

Larry Benka  
Procurement Specialist  
713-247-2284  
larry.benka@cityofhouston.net

Attachment: Bid Document Technical Specifications, Pages 12 of 23 through 14 of 23, marked Revised June 3, 2008

BID INVITATION NO. S34-N22860  
SECTION B  
SPECIFICATIONS PART II  
TECHNICAL SPECIFICATIONS

ITEM NO. 1, ELECTRIC, VERY NARROW AISLE (VNA) MAN-UP STOCKPICKER LIFT TRUCK

1.0 It is the intent of these specifications to describe an electric, VNA, man-up turret Stockpicker lift truck, to be used at the Houston Fire Department warehouse at 1205 Dart Street, Houston, Texas 77007. Manufacturer Reference Models are:

Hyster Man-up Model V30ZMU  
Crown Model TSP-6000  
Or City Approved Equal

2.0 SPECIFICATIONS:

- 2.1 Lift Capacity, 3000 lbs minimum at 24 inch load centers
- 2.2 Mast, OEM standard
- 2.3 Lifting Height, 240 inches minimum
- 2.4 Shall be able to place pallets on rack 20 feet above floor level
- 2.5 Top of mast shall clear all overhead obstructions in rack area of warehouse while fork height is 240 inches.
- 2.6 Forks, minimum 42 inches to maximum 48 inches
- 2.7 Lift System, Standard
- 2.8 Rail Guided Operation, Standard Rail
  - 2.8.1 Power Source, Electric, UL Type Construction, 48 volt system
  - 2.8.2 Rail Width, 62 inches, maximum
  - 2.8.3 Rail Height, 5 inches, maximum
- 2.9 Racks, 42 inches, 9 feet wide and 36 inches deep between rails, rack face-to-face clearance 74 inches, front of rack 6 inches behind the rail, must have ability to turn within a 13 foot radius or less and must have glide rollers
- 2.10 Diagnostics, on-board
- 2.11 Battery, 48 volt, in enclosed battery compartment
- 2.12 Pallet Overhang, 3 inches
- 2.13 Data Plate, must reflect load and configuration of machine
- 2.17 48 Volt, 240 Amp, 3 Phase Battery Charger**

3.0 SAFETY FEATURES:

- 3.1 Overhead Guard, OEM Standard
- 3.2 Markings and/or Safety Decals must be clearly visible
- 3.3 Support Gates/Rails on the operator compartment
- 3.4 Adjustable Bucket Seat with Operator Restraints, one OEM standard
- 3.5 Starter Switch with Neutral and Anti-Start, one OEM standard
- 3.6 Full Body Harness including retractable tether to fit sizes medium to large
- 3.7 Safety Mirrors, one on each side**

SECTION B  
SPECIFICATIONS PART II  
TECHNICAL SPECIFICATIONS  
ITEM NO. 1 (CONTINUED)

3.0 SAFETY FEATURES (continued)

- 3.8 Safety Mirrors, one on each side
- 3.9 Horn, one OEM standard
- 3.10 Complete light package, OEM standard
- 3.11 Back-up alarm, one OEM standard
- 3.12 Work lights, switched separate, two front, and one rear

4.0 INSTRUMENTATION:

- 4.1 Keys, Ignition, two
- 4.2 Charging System Gauge, one OEM standard
- 4.3 Indicator Lights, OEM standard

5.0 PRODUCTIVITY:

- 5.1 Platform Rotation, 160 degrees
- 5.2 Turntable Tail-swing, zero
- 5.3 Grade-ability (stowed), 30%
- 5.4 Turning Radius (inside), 6 feet
- 5.5 Turning Radius (outside), 14 feet maximum**
- 5.6 Controls, 24 V DC proportional
- 5.7 Tires, OEM Standard, non-marking**

6.0 TRAINING:

The successful bidder shall provide:

- 6.1 Upon delivery, two separate sessions of instruction to City personnel on the use, operation, maintenance, and safety aspects of the unit at no additional cost to the City.
- 6.2 Two sets of instructional DVDs on the operation of the equipment.
- 6.3 Two sets of instructional DVDs on "the how to" or "what to look for" when performing an inspection of the awarded equipment before and after operation.
- 6.4 Initial training session must be completed within 30 days after receipt of Purchase Order.
- 6.5 Follow up training within 12 months of acceptance and written notification requesting such training from Houston Fire Department Procurement Personnel.

SECTION B  
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ITEM NO. 1 (CONTINUED)

7.0 LITERATURE:

- 7.1 One (1) complete set of parts, service, and operator's instruction manuals shall be delivered with each unit.

8.0 SAFETY:

- 8.1 All equipment supplied must meet all current applicable City, State of Texas, and Federal safety regulations including Occupational Safety and Health Administration (OSHA) requirements. Equipment must have all pertinent guards, lockouts, shutdowns, safety decals etc. for safe operation. All components must be rated for maximum pressure and must meet all applicable safety requirements. If special safety instructions are required for operator's safety, the instructions must be provided with each unit at time of delivery. All parts which form part of the equipment must conform in design, strength and quality of material and workmanship to the highest standards of engineering practice.

9.0 ASSEMBLY:

- 9.1 Unit shall be delivered unassembled. Due to size constraints, unit shall be assembled on site by the successful bidder.

- 9.2 ***It is recommended that a site visit be conducted to view the warehouse and the intended application for the stock picker. Please contact David Swann at 713.247.8966 or Joseph Cavazos at 713.247.8624 to arrange for the site visit.***

10.0 WARRANTY:

- 10.1 Minimum one (1) year warranty on both parts and workmanship shall be provided. The warranty period shall commence the date the City officially accepts the complete item(s). Any warranty work shall be completed without cost to the City within ten (10) days after notification of a service problem. When extended warranties are available as standard, they must be included as a part of the bid. All documents necessary that affect all warranties must be properly applied for and submitted by the successful bidder.

- 10.2 *All applicable freight charges to and from the vendor's repair facility for warranty repair and/or maintenance must be borne by the seller during the warranty period.*

11.0 DELIVERY:

- 11.1 The items specified above, with delivery ticket and/or other required documents shall be delivered PREPAID F.O.B. Destination, to the location shown on the purchase order within one hundred eighty (180) calendar days after receipt of City of Houston Purchase Order.