

REQUEST FOR QUOTATION	<p style="text-align: center;">TROY SCHOOL DISTRICT</p> <p style="text-align: center;">1140 RANKIN, TROY, MICHIGAN 48083</p> <p style="text-align: center;">248-823-4052</p> <p style="text-align: center;">FAX: 248-823-4077</p>	REQUISITION
No. 9460		
DUE DATE NO LATER THAN 10-31-07 3 p.m.		DATE 10-16-07

REQUEST FOR QUOTE – NOT AN ORDER

THIS FORM MUST BE UTILIZED WHEN RESPONDING TO THIS REQUEST
BID ENVELOPE ENCLOSED

THE RFQ NUMBER MUST APPEAR ON ALL QUOTATIONS AND RELATED CORRESPONDENCE, THIS IS NOT AN ORDER

Quantity	DESCRIPTION	UNIT PRICE	AMOUNT
	<p>Please supply us with your bid to furnish the Troy School District with HYDRAULIC SWEEPER BROOMS_w/QUICK CHANGE BRUSH CORE per the attached specifications.</p> <p style="text-align: center;">Copies of the bid are available at: www.troy.k12.mi.us/purchasing/items_out_for_bid.htm</p> <p style="text-align: center;">Bid recaps will be available at: troy.k12.mi.us/purchasing/index.htm</p> <p style="text-align: center;"><u>FACSIMILE BID IS NOT ACCEPTABLE</u></p> <p>Bids will not be accepted if submitted after the deadline specified (local time) in the advertisement to bid or in the information to bidders. The late submission of a bid makes the bid nonrepsonsive and is a material defect which shall not be waived by the Board of Education. Delays in the mail will not be considered. All Late bids in the mail will be returned to the bidder unopened.</p> <p>Proposal for the submission of alternatives by vendors will be accepted and reviewed. However, if any substitution or departure is not clearly noted and described, it will be understood that the bid intends to exactly meet the specifications.</p> <p>The Board of Education shall be the sole judge as to whether the proposed goods are "equal" or "approved". Quotations must be mailed or delivered to the Purchasing Office, 1140 Rankin, Troy, MI 48083 no later than 3 p.m. on the date shown above. Michigan State Sales and Use Taxes and Federal Excise Taxes do not apply unless otherwise indicated. Exemption certificates will be furnished when necessary. This request imposes no obligations on the buyer. The Board of Education reserves the right to accept or reject any or all bids or to split awards by items or to accept bids, which will best serve the Board of Education.</p>		

THIS AREA MUST BE FILLED IN

DELIVERY TIME	PRICES FIRM FOR	NAME OF COMPANY	TELEPHONE NO.
TERMS		NO. & STREET	FAX #
FOB DELIVERED	ALL DELIVERY CHARGES MUST BE INCLUDED IN PRICES SHOWN	CITY, STATE & ZIP CODE	E-MAIL
CONTACT PERSON (PLEASE PRINT)		SIGNATURE	DATE

TROY SCHOOL DISTRICT

SPECIFICATIONS

HYDRAULIC SWEEPER BROOM w/QUICK CHANGE BRUSH CORE 2 UNITS

PART I

LOADER MOUNTED HYDRAULIC DRIVE SWEEPER FOR JCB 520-40 LOADALL GENERAL CLAUSE AND CONDITIONS

1. The units furnished under this specification shall be of the latest improved model in current production (as offered to commercial trade) and shall be of good quality as to workmanship and material used. This bid represents that all the equipment offered in this advertisement shall be new.
2. Owners and operator's manuals, parts manuals, and service manuals, explaining all operations, parts and components, will accompany each sweeper.
3. All parts not specifically mentioned which are necessary for the unit to be complete and ready for operation or which are normally furnished as standard equipment are included. All parts shall conform in strength, quality, and workmanship to the accepted standards of the industry.

PART II

SPECIFICATIONS FOR JCB 520-40 LOADALL MOUNTED HYDRAULIC DRIVE SWEEPER

1. It is the purpose and intent of this specification to describe a JCB 520-40 Loadall mounted hydraulic drive sweeper capable of sweeping at a 30⁰ angle to the left or right. The sweeper shall be mounted to the JCB Loadall quick attach, be driven from the machine(s) hydraulic system and lifted with the Loadall boom. Unit to be furnished shall meet these specifications or exceed all requirements herein.
2. **HYDRAULIC SYSTEM:** The sweeper shall be powered by the Loadall hydraulic system.
 - 2.1 Hydraulic requirements – The hydraulic motors on the sweeper shall be sized to match the hydraulic output of the JCB 520-40. A single 24 cubic inch displacement hydraulic motor shall be provided, for maximum brush speeds of 110 to 232 rpm.

2.2 All hoses shall be of adequate pressure rating and size for minimum heat build up. Hoses, hose quick couplers and ORFS fittings shall be supplied with the sweeper.

3. **BRUSH DRIVE:** The brush drive shall be of “Quick Change” design allowing the brush to be removed and replaced without disconnecting hydraulic lines. The brush shall be retained in the brush frame by a maximum of 4 bolts on each side for quick and easy brush change. The brush shall be driven by one or two hydraulic wheel motor(s), mounted to the brush frame. The motor(s) shall drive the brush directly with keyed, tapered shaft(s) mounted to a hexagonal hub(s) and inserted into the matching hexagonal drives on the brush core. The hydraulic motors shall sit completely inside the brush frame. The brush frame, motor and core shall not extend more than 6 inches wider than the brush. Additional bearings outside the motor to support the core shall not be acceptable.

4. **BRUSH:** The brush shall be 6 foot wide by 32 inches in diameter with a sweep width of 64” when fully angled.

4.1 Sectional type convoluted brushes with poly/wire combination bristles. Each section shall have multiple wire wrap with mechanical clamp or poly melt for bristle retention. Single wire sections shall not be acceptable.

4.2 The brush core shall be a heavy duty round tube with formed 5/8 inch square drive bars in 4 locations to drive the 10 inch (25.4cm) I.D. wafer type brush segments. The drive bars are an integral part of the core tube. Welded on drive bars or framework style cores will not be acceptable. The brush core is the same on both ends and can be reversed from side to side to insure even brush wear.

4.3 The brush hood shall be detachable, bolt together, 16 gauge steel that covers 180° of the top of the brush and each end.

4.4 A rubber strip/dirt deflector shall be mounted on brush hood in front of sweeper. This shall deflect stray dirt and debris downward. The rubber deflector shall bolt directly to the 180° hood.

4.5 A red indicator flag connected to the end of a rod shall be attached to each end of the brush hood. These shall be used to locate the sides of the brush head when in operation.

5. **BRUSH CONTROL:**

5.1 The brush shall be operated with the 3rd function valve on the skid steer loader.

- 5.2 The sweeper shall be lifted using the loader arms.
- 5.3 The brush shall be equipped with hydraulic angle with an electrically operated valve. A 2.5 inch diameter 3500 psi rated cylinder shall angle the sweeper from 30° left to 30° right. The cylinder shall be activated by a sweeper mounted electric control valve. Control of the angle will be in the operator's cab from a sweeper supplied control box.
- 5.4 The brush shall be supported by an adjustable heavy duty spring and chain located between the brush frame and the mounting. Brush pressure shall be adjusted by changing the position of the spring. A heavy duty transport chain shall be provided for transporting the sweeper for long distances.

6. **SWEEPER CONSTRUCTION:**

- 6.1 The brush frame shall be heavy 1/4 inch (.64cm) seamless tube; 3/8 inch (7.62cm) formed and welded plate construction.
 - 6.2 The plate swing shall be half moon shape 1/2 inch (1.27cm) welded plate steel.
 - 6.3 A spring clamp holds the hydraulic hoses to prevent rubbing and damage.
 - 6.4 One heavy duty serrated step shall be mounted to the right side of the mounting assembly.
 - 6.5 The sweeper shall be shipped completely assembled and bolted to a pallet to hook onto the machine(s) without further assembly.
7. **MANUALS:** A manual or manuals containing illustrated parts lists, operation instructions, safety precautions, and routine maintenance procedures shall be furnished with each unit at the time of delivery.
8. **WARRANTY:** We shall warrant the above equipment to be free from defects in design, materials, or workmanship for a period of not less than one (1) year. A copy of the warranty shall be furnished at the time of delivery.

Qty	Description	Unit Price	Total Price
2	LOADER MOUNTED HYDRAULIC DRIVE SWEEPER FOR JCB 520-40 LOADALL WITH ALL ACCESSORRIES AND FULLY ASSEMBLED		
	SHIPPING		
	TOTAL		

TROY SCHOOL DISTRICT Bid 9460 Sweeper Brooms		Co.: Michigan Skid Loader, Inc Terms: Net 30 Days Firm:	Co.: AIS Construction Equip. Corp. Terms: Net 30 Days Firm: 90 Days	Co.: H.P. Forklift, Inc. Terms: Net 30 Firm:
Qty Description				
2	Loader Mounted Hydraulic Drive Sweeper For JCB 520-40 Loadall with all accessories and fully assembled	6,035.00	5,924.00	11,848.00
				7,861.56
				15,723.12
	Shipping	-0-	Included	275.00
	TOTAL	6,035.00	11,848.00	15,998.12

Price includes installation of all controls onto JCB520-40's.

Gordon Equip. - Returned "Unable to Forward"
 Cloverdale Equip. - No Response
 Carleton Equip - No Response
 Bell Forklift Inc. - No Response
 Fraza Forklifts of Detroit - No Response
 National Ladder & Scaffold - No Response
 Aesshilman Equip. - No Response
 Bobcat of Motor City - No Response

Onsite installation includes travel and mileage charges. The optional speed control valve can be added for an additional \$1,800 per machine. Deduct \$500 per machine if district elects to install hydraulic control modules themselves.