



# CITY OF SPRINGFIELD

## Public Works Department

Street • Sanitation • Vehicle Maintenance

2809 Clinard Drive

SPRINGFIELD, TN 37172

Telephone (615) 384-2746

Fax (615) 382-2205

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**BID # 922**

### **INVITATION:**

The City of Springfield is requesting bids for a **Hydraulic Tilting Bucket Attachment with Built-in Universal Quick Hitch Coupler**, utilizing the hydraulically sliding spline technology for a Samsung Wheeled Excavator at the Public Works Department.

### **CONDITIONS:**

Units offered under this advertisement shall be new, standard production models of the latest design in current production.

Materials shall be of good commercial quality for the intended service and shall be produced by use of current manufacturing processes. Material shall be treated to resist rust, corrosion, and wear.

The design of the mechanical members shall be such that the stress imposed through normal shock loads at maximum engine torque shall not cause rupture or permanent deformation of undue wear on any member.

The bidder shall satisfy the purchasing official in that he maintains a store or branch within \_\_\_\_\_ miles (max. 75) of the working location of the machine, with provisions for storing a representative supply of parts for the machine offered and with provisions for securing parts from the manufacturer within a reasonable length of time.

Bidders must submit with their bid a thorough and concise Warranty on the proposed equipment, printed specifications and advertising literature on the unit they propose to furnish.

Minimum warranty of one (1) year – On-site, Parts & Labor

Bidder shall supply one (1) service and repair manual and two (2) operator safety manuals with each unit.

The bidder shall list on a separate sheet of paper any variations from, or exceptions to, the conditions and specifications of this bid. This sheet shall be labeled "Exception(s) to Bid Conditions and Specifications" and shall be attached to the bid.



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Purchaser desires delivery to be completed within 90 days from date of award. Bidder certifies delivery will be completed \_\_\_\_\_ days from date of award.

The price or prices quoted shall include all transportation charges fully prepaid to the City of Springfield, Tennessee, Public Works Facility.

Awards will be made to the lowest responsible bidder. The quality of the articles to be supplied, their conformity with the specifications, their suitability to requirements, delivery terms and guarantee clauses shall be taken into consideration. Guarantee Clauses: Clauses requiring specific guarantees to cover parts delivery, parts repair, total repairs and resale value may be included.

If it is determined that adjustments are required on the existing excavator that cannot be performed in the field, then The City of Springfield, Public Works Department will deliver and pick-up completed Samsung Excavator to successful bidder within 75 miles of Springfield.

Bidders shall inspect the existing Samsung Excavator at the City of Springfield's Public Works Facility to determine existing mechanical and hydraulic connections, compatibility of the proposed Bucket Attachment.

Existing Samsung Wheeled Excavator may be inspected from 7:30AM to 4:30PM, Monday thru Friday at 2809 Clinard Drive, Springfield, Tennessee 37172.  
Phone 615-384-2746

The purchaser reserves the right to reject any or all bids, to waive any informality in bids, to accept in whole or in part such bid or bids as may be deemed in the best interest of the purchaser.

**BID PROPOSAL**

**Bid # 922**

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**BASE BID:**

**PURCHASE & INSTALLATION  
Of Tilting Bucket Attachment  
With Quick Hitch Coupler  
(Compatible with City's  
Samsung excavator)**

**Lump Sum Price \_\_\_\_\_**

**(Per attached specifications)**

Please submit complete specification sheet with bid.

\*\*\*\*\*

Respectfully submitted,

\_\_\_\_\_  
(Signature Bidder)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Company)

\_\_\_\_\_  
(Telephone)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Fax)

## **SPECIFICATIONS**

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### **GENERAL**

**The purpose of these specifications are to describe a Hydraulic Tilting Coupler to replace the existing unit on the City of Springfield's Samsung Wheeled Excavator, Model SE170W-3. Coupler shall be a hydraulic sliding spline technology and designed for a minimum 45,000 pound class machine.**

### **SPECIFICATIONS**

- a. Hydraulically activated bucket tilting attachment device that will provide side to side bucket tilt capability and must include an integral universal quick hitch coupler.**
- b. Tilt attachment must be Helac or equal Power Tilt sliding spline technology**
- c. The attachment shall be sized according to the attachment manufacturer specifications for the excavator**

**Manufacturer: Samsung Wheeled Excavator**

**Model SE170W-3**

**Serial Number EJY0072**

- d. Minimum rotation of bucket is 134 degrees (67degrees left & 67 degrees to right).**
- e. Bucket shall have a 360 degree continual rotation**
- f. Coupler shall be of the hydraulic pin grab design so as to allow the operator the ability to change attachments from the operator seat and compatible with the pin locking system presently on excavator.**

- g. Shall provide constant bucket tilt speed and torque through full range of movement**
- h. Bucket position holding shall be two (2) times the hydraulic tilt force**
- i. All connections both mechanical and hydraulic shall be compatible with the existing Samsung machine and buckets used on this machine presently. All adjustments both mechanical and hydraulic shall be responsibility of the successful bidder.**