

# BID SOLICITATION



City of Chattanooga  
101 East 11th Street, Suite G13  
Chattanooga TN 37402

**BID OPENING DATE AND TIME:**  
**09/10/2009 2:00 PM**  
**BID NUMBER: B0006319**

BUYER: Talley, Debbie J.  
PHONE #: (423) 757 - 5184 ext.  
DELIVERY REQUIRED:

**M**  
**A**  
**I**  
**L**  
**T**  
**O**

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**SEALED BIDS**

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

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Item	Class-Item	Quantity	Unit	Unit Price	Total
	Requisition No: R0126639 Ordering Dept: Fire Buyer & Phone: Debbie Talley (423) 757-0643 ***** ITEMS BEING PURCHASED: Hurst Jaws Of Life Equipment NO SUBSTITUTIONS ***** This Shall Be A Twelve (12) Month Blanket Contract To Supply Hurst Jaws Of Life Equipment. The Contract Term May Be Renewed For An Additional Two (2) Twelve (12) Month Terms Under The Same Terms And Conditions By Mutual Agreement. The City Of Chattanooga And The Contractor May Bilaterally Extend The Contract By Providing Written Confirmation Of Agreement By Both Parties At Least 30 Days Prior To The Contract's Current Expiration Date Into Any Successive Term As Provided Herein. ***** ATTACHMENTS: Specifications (9 Pages) Affirmative Action Plan (2 Pages) ***** Quantities Are Estimates Only The City Of Chattanooga Shall Guarantee No Minimum Or Maximum Amount Purchased During The Lifetime Of The The Contract. ***** *** BIDS MUST BE RECEIVED NO LATER THAN *** *** 2:00 PM EST on September 10, 2009 *** ***** City of Chattanooga (COC) Terms and Conditions posted on Website <a href="http://www.chattanooga.gov/finance/66_standardtermsandconditions.htm">http://www.chattanooga.gov/finance/66_standardtermsandconditions.htm</a> If you can't download call buyer for a copy.				

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS.

ALL BIDS MUST BE SIGNED: The undersigned offers the above quoted prices under the conditions contained herein.

COMPANY: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

NAME AND TITLE: \_\_\_\_\_

The City is Exempt from all Federal and State Tax.  
Bids will be received at the above mentioned address.

TERMS OF PAYMENT: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_

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Item	Class-Item	Quantity	Unit	Unit Price	Total
	<p>NOTE: ALL BIDS MUST BE SIGNED All bids received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Bidder acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.</p> <p>*****</p> <p>The City of Chattanooga reserves the right to reject any and/or all bids, waive any informalities in the bids received, and to accept any bid which in its opinion may be for the best interest of the city.</p> <p>The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color, or national origin.</p> <p>***** NOTE *****</p> <p>PLEASE PROVIDE US WITH THE FOLLOWING INFORMATION:</p> <p>Company Name _____</p> <p>Address _____</p> <p>Phone/Toll-Free No. _____</p> <p>Fax No. _____</p> <p>eMail Address _____</p> <p>Contact Person's Name _____</p> <p>Estimated Delivery _____</p> <p>Minority-Owned Business ___ Small Business ___ Veteran ___</p> <p>Minority Woman Owned Business ___ Disabled Veteran ___</p> <p>Women-Owned Business ___</p> <p>***** ALL ITEMS MUST BE QUOTED F.O.B. DESTINATION ****</p>				

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City of Chattanooga  
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Item	Class-Item	Quantity	Unit	Unit Price	Total
1.0	340-72 Hurst Defender ML-28 Spreader	2.00	EA		
2.0	340-72 Hurst T-41 Telescoping Ram	2.00	EA		
3.0	340-72 Hurst T-59 Telescoping Ran	2.00	EA		
4.0	340-72 Mini Cutter System Complete with Manual power packs	2.00	EA		
5.0	340-72 Hurst Moc Combi with StarGrip Control	2.00	EA		
6.0	340-72 Hurst Moc II Cutters	2.00	EA		
7.0	340-72 30' sections of hydraulic hose	10.00	EA		
8.0	340-72 Four Cycle Power Units	2.00	EA		
				<b>TOTAL:</b>	

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## HURST MOC II

# High Strength Large Capacity Curved Blade Cutter

1. The cutter opening at tips will be no less than 7 inches (180 mm).
2. The cutter will be of a curved blade design.
3. The cutter will produce at least 152,900 pounds of cutting force at the pivot bolt area.
4. The cutter must feature a star-grip control mechanism for ease of operation. The mechanism shall be separate and independent from the rear handle to provide added control in close-quarter operation. It must provide a "dead-man" actuator, whereby the unit stops functioning when hand pressure is released.
5. The cutter will utilize Hurst phosphate ester fluid; being fire resistant, electrically non-conductive and non-corrosive.
6. The maximum operating pressure to the tool will be 5000 psi.
7. The blades of the tool should be attached to the piston rod via removable links, for ease of repair, efficient power transmission and smooth operation.
8. The body of the tool should be of aluminum forging for its lightweight, strength and long life.
9. The tool should have two handles. One located at the center of the tool and the other located below the control mechanism.
10. The tool is to have two pigtail hoses attached, with quick disconnects on the end for the attachment of additional hose lengths.
11. The tool must be compliant with NFPA 1936; 2005 Edition and cutting classification A7/B9/C6/D7/E8.
12. The tool will not weigh more than 47 pounds (214 kg)

## HURST MOC ULTRA – 362R428

# High Strength Large Capacity Curved Blade Cutter

1. The cutter opening at tips will be no less than 5.7 inches (145 mm).
2. The cutter will be of a curved blade design.
3. The cutter will produce up to 195,126 pounds of cutting force (868 kN) and is able to cut 1.57 in (40 mm) round stock steel of a 58,015 psi (400 N/mm<sup>2</sup>) tensile strength.
4. The cutter must feature a star-grip control mechanism for ease of operation. The mechanism shall be separate and independent from the rear handle to provide added control in close-quarter operation. It must provide a "dead-man" actuator, whereby the unit stops functioning when hand pressure is released
5. The tool should have a dual pilot check valve. This is to prevent accidental movement of the blades in the event of power loss.
6. The cutter will utilize Hurst phosphate ester fluid; being fire resistant, electrically non-conductive and non-corrosive.
7. The maximum operating pressure to the tool will be 5000 psi (35 MPa) to provide long life.
8. The blades of the tool should be made of heat-treated, forged alloy steel; attached to the piston rod via removable links, for ease of repair, efficient power transmission and smooth operation.
9. The body of the tool should be of aluminum forging for its lightweight, strength and long life.
10. The tool should have two handles. One located at the center of the tool and the other located below the control mechanism.
11. The tool is to have two 20 in. (508 mm) double jacketed nylon reinforced hoses with a 4:1 burst pressure, with quick disconnects on the end for the attachment of additional hose lengths
12. The tool shall be as compact as possible. It can not be any longer than 29.6 in (751 mm), wider than 9.4 in (240 mm) or higher than 9.0 in (228 mm).

**13.** The tool must be compliant with NFPA 1936; 2005 Edition. Cutting classification A8/B8/C6/D8/E8.

**14.** The tool will not weigh more than 46 pounds (21 kg) including oil.

# MLT-32 Spreader

1. The tool shall produce a spreading distance of no less than 32 in (813 mm). The maximum spreading force will be 31,500 lbs (140 kN) and will have a maximum pulling force of 16,500 lbs (73 kN).
2. The tips are to be serrated and made from investment cast heat-treated steel. The tips of the tool must be removable for ease of repair and for the accommodation of optional tips. They are to be held in place by a field replaceable detent ball pin.
3. The tool should have a chain and shackle package for pulling operations. There should be two chains of at least 6 ft (1.83 mm) included. The package should include a shackle for attachment of the chains to the tool. This should not require the removal of the tips for attachment.
4. The arms of the tool should be of an aluminum alloy and attached via removable links, for ease of repair, efficient power transmission and smooth operation.
5. The body of the tool should be of aluminum alloy for its lightweight, strength and long life.
6. The tool should have three handles. One located across the center of the tool and the other two located on the sides of the body.
7. The tool should have a dual pilot check valve. This is to prevent accidental movement of the arms in the event of power loss.
8. The tool should have a 3-way directional control mechanism, actuated by thumb pressure. The control mechanism should be protected on both sides to prevent jamming during operation. The control mechanism must provide a shear seal "dead man" actuator, whereby the unit stops functioning when hand pressure is released.
9. The tool must use genuine Hurst phosphate ester hydraulic fluid, being fire resistant, electrically non-conductive and non-corrosive.
10. The maximum operating pressure to the tool will be 5,000 psi to provide long life.

# ML-28 DEFENDER SPREADER

1. The tool shall produce a spreading distance of no less than 28 in (711 mm). The spreading force will be no less than 8,318 lbs (37 kN) measured at the tip of the jaw with a maximum spreading force of 44,000 lbs (196 kN) and have a pulling force of no less than 5,845 lbs (26 kN) measured at the shackle hole with a maximum pulling force of 20,000 lbs (89 kN).
2. Tips are to be investment castings and made from heat treated alloy steel. The tips of the tool must be removable for ease of repair and for the accommodation of optional tips. They are to be held in place by a field replaceable detent ball pin.
3. The tool should have a chain and shackle package for pulling operations. The tips should include shackle holes on the tips for attachment of chains to the tool. This should not require the removal of the tips for attachment.
4. The arms of the tool should be made from high strength aluminum alloy and attached via removable links, for ease of repair, efficient power transmission and smooth operation.
5. The body of the tool should be of high strength aluminum alloy forging for its lightweight, strength and long life.
6. The tool should have steel tubular handles.
7. The tool should have a dual pilot check valve. This is to prevent accidental movement of the arms in the event of power loss.
8. The control mechanism shall have a stationary handle with a stargrip actuator allowing easy fingertip actuation. The mechanism must be of deadman design, whereby the unit stops functioning when thumb pressure is released.
9. The tool is to have two 20 in (508 mm) hoses attached with spring guards to prevent kinking and quick disconnects on the end for the attachment of additional hose lengths.
10. The tool must use genuine Hurst Hydraulic fluid.
11. The tool shall be as compact as possible. It cannot be any longer than 30.6 in (776 mm), higher than 8.4 in (214 mm) or wider than 13.5 in (342 mm)
12. The tool must be compliant with NFPA 1936; 2005 edition.
13. The tool will not weigh more than 48.2 lb. (21.9 kg) including oil.

# T-41 Telescopic Ram

1. The ram shall extend to a distance of no less than 41.3 in (1,049 mm). The retracted length is to be no more than 18.7 in (475 mm). The total stroke will be no less than 22.6 in (574 mm).
2. The piston rod shall be made of an alloy steel tube for long life and stability. For ease of operation there shall be a limit of one telescoping piston rod per tool.
3. The tool shall be capable of producing a spreading force of no less than 29,830 lbs (132.7 kN) when opening from 18.7 in (475 mm) to 30.3 in (770 mm). The tool should be capable of producing a spreading of no less than 14,830 lbs (66.0 kN) when opening from 30.3 in (770 mm) to 41.3 in (1,049 mm).
4. The tool cylinder must be of aluminum alloy for long life, low weight and stability.
5. The tool shall include heat-treated, investment-cast steel ram feet for durable gripping, minimizing slippage.
6. The tool should have a dual pilot check valve. This is to prevent accidental movement of the piston rod in the event of power loss.
7. The tool should include a knurled actuator handle. The control mechanism must be of a dead man design, whereby the unit stops functioning when pressure is released.
8. The tool is to have two 20 in (508 mm) double jacketed nylon reinforced hoses with a 4:1 burst pressure attached with quick disconnects on the end for the attachment of additional hose lengths.
9. The tool shall be as compact as possible. It can not be any higher than 9.5 in (241 mm) or wider than 4.4 in (112 mm), including the control mechanism.
10. The tool shall have an operating pressure of 5,000 psi to provide long life.
11. The tool shall not weight more than 40 lbs (18.1 kg)
12. The tool must be compliant with NFPA 1936; 2005 Edition.

# T-59 Telescopic Ram

1. The ram shall extend to a distance of no less than 59.1 in (1,501 mm). The retracted length is to be no more than 24.6 in (625 mm). The total stroke will be no less than 34.5 in (876 mm).
2. The piston rod shall be made of an alloy steel tube for long life and stability. For ease of operation there shall be a limit of one solid steel telescoping piston rod per tool.
3. The tool shall be capable of producing a spreading force of no less than 29,830 lbs (132.7 kN) when opening from 24.6 in (625 mm) to 42.1 in (1,069 mm). The tool should be capable of producing a spreading of no less than 14,830 lbs (66.0 kN) when opening from 42.1 in (1,069 mm) to 59.1 (1,501 mm).
4. The tool cylinder must be of aluminum alloy for long life, low weight and stability.
5. The tool shall include heat-treated, investment-cast steel ram feet for durable gripping, minimizing slippage.
6. The tool should have a dual pilot check valve. This is to prevent accidental movement of the piston rod in the event of power loss.
7. The tool should include a knurled actuator handle. The control mechanism must be of a dead man design, whereby the unit stops functioning when pressure is released.
8. The tool is to have two 20 in (508 mm) double jacketed nylon reinforced hoses with a 4:1 burst pressure attached with quick disconnects on the end for the attachment of additional hose lengths.
9. The tool shall be as compact as possible. It can not be any higher than 9.5 in (241 mm) or wider than 4.4 in (112 mm), including the control mechanism.
10. The tool shall have an operating pressure of 5,000 psi to provide long life.
11. The tool shall not weight more than 49 lbs (22.2 kg)
12. The tool must be compliant with NFPA 1936; 2005 Edition.

**POWER UNIT MODEL JL-4GH-SI**

## **Four Cycle Simultaneous Power Unit**

1. The power unit will consist of a hydraulic pump in a reservoir driven by an engine. The reservoir capacity must be no less than 2 gallons (7.6 liters) and utilize Hurst phosphate ester fluid; being fire resistant, electrically non-conductive and non-corrosive.
2. The engine is to be a 5.5 HP, 4-stroke (3.4 kw at 3200 rpm) gasoline Honda GXV 160 motor. It should have electronic ignition for ease of starting and low maintenance requirements. The muffler should have a spark arrestor to limit ignition sources.
3. The hydraulic pump is to be a two-stage radial piston pump. The flow rate of the 1<sup>st</sup> stage shall be no less than .90 gpm; the flow rate of the 2<sup>nd</sup> stage shall be no less than .37 gpm. The pump is to be capable of producing 10,000 psi (690 bar). The system will have a maximum operating pressure of 5,000 psi (345 bar) to provide long pump life. The low-pressure stage shall shift at 2,000 psi (138 bar) for faster operation.
4. The unit should be able to provide power to operate two tools simultaneously. There shall be two separate dump valves. Each tool should be able to operate independently and be able to obtain full pressure and flow at the same time.
5. The engine and reservoir are to be protected by a tubular steel roll cage. It must surround both the engine and reservoir.
6. The power unit is to have anti-vibration isolators to limit unwanted movement.
7. The dimensions of the power unit without connection hoses shall not be any longer than 18.9 in (480 mm), wider than 17.72 in (450 mm) or higher than 19.69 in (500 mm).
8. The tool must be compliant with NFPA 1936; 2005 edition.
9. The power unit shall not weigh more than 87 lbs (39.5 kg).

# Hurst Hydraulic Hose Specifications

1. The hose shall be an Aramid Fiber reinforced nylon and be electrically non-conductive.
2. The hose shall meet SAE 100R8 hose requirements for safety.
3. The hose shall be capable of a 4:1 safety factor with a burst rating of no less than 20,000 psi (1380 bar).
4. The hose shall be equipped with spring guards at both ends to prevent kinking.
5. The hose shall be furnished with quick disconnect couplings with a ¼ turn locking mechanism to prevent inadvertent disconnection.
6. The hose shall be thermoplastic coated to prevent abrasion.
7. The hose must be of a bright contrasting color for high visibility.
8. The hose shall be NFPA 1936; 2005 Edition approved.

## **Affirmative Action Plan**

The City of Chattanooga is an equal opportunity employer and during the performance of this Contract, the Contractor agrees to abide by the equal opportunity goals of the City of Chattanooga as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay, or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin, or handicap.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. In all construction contracts or subcontracts in excess of \$10,000 to be performed for the City of Chattanooga, any contractor and/or subcontractor is further required to file in duplicate within ten (10) days of being notified that it is the lowest responsible bidder, an affirmative action plan with the EEO Director of the City of Chattanooga. This plan shall state the Contractor's goals for minority and women utilization as a percentage of the work force on this project.
5. This Plan or any attachments thereto shall further provide a list of all employees annotated by job function, race, and sex who are expected to be utilized on this project. This plan or attachment thereto shall further describe the methods by which the Contractor or Subcontractor will utilize to make good faith efforts at providing employment opportunities for minorities and women.

During the term of this contract, the Contractor upon request of the City, will make available for inspection by the City of Chattanooga copies of payroll records, personnel documents and similar records or documents that may be used to verify the Contractor's compliance with these Equal Opportunity provisions.

6. The Contractor will include the portion of the sentence immediately preceding paragraph 1 and the provisions of paragraphs 1 through 6 in every subcontract so that such provisions will be requested of each subcontractor. The Contractor agrees to notify the City of Chattanooga of any subcontractor who refuses or fails to comply with these equal opportunity provisions. Any failure or refusal to comply with these provisions the contractor and/or subcontractor shall be a breach of this contract.

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(Signature of Contractor)

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(Title and Name of Company)

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(Date)