

BID SOLICITATION



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

BID OPENING DATE AND TIME:
05/13/2008 2:00 PM
BID NUMBER: B0005157

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.

BUYER: Dickey, Natalie
PHONE #: (423) 425 - 6383 ext.
DELIVERY REQUIRED: 05/13/2008 2:00 PM

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Item	Class-Item	Quantity	Unit	Unit Price	Total
	Requisition No.: R0108680 Ordering Dept.: P&R Buyer: Natalie Dickey Phone: 423-643-6383 Being Purchased: Repairs at Greenway Farm ***** *** BIDS MUST BE RECEIVED NO LATER THAN *** *** 2:00 PM EST on <May 13, 2008> *** ***** ***** Pre Bid Meeting ***** May 5, 2008 at 2:00 PM Greenway Farm 5051 Gann Store Road Hixson, TN 37343 ***** Attachments: -Specifications 4 Pages -Affirmative Action Plan 2 Pages -Requirements for Insurance 2 Pages ***** City of Chattanooga (COC) Terms and Conditions posted on Website http://www.chattanooga.gov/finance/66_standardtermsandconditions.htm If you can't download call buyer for a copy. 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. *****				

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The City is Exempt from all Federal and State Tax.
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TERMS OF PAYMENT: _____

COMPANY: _____

TELEPHONE NUMBER: _____

SIGNATURE: _____

NAME AND TITLE: _____

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	<p>Any manufacturer's names, trade names, brand names, or catalog numbers used in the specifications are for the purpose of describing and establishing general quality levels. Such references are not intended to be restrictive. Bids will be considered for any brand which meets or exceeds the quality of the specifications listed for any item.</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>Employer's ID No. _____</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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Item	Class-Item	Quantity	Unit	Unit Price	Total
1.0	<p>Background One location within the Chattanooga Parks and Recreation Department jurisdictional authority has been identified as containing structures in need of repair. In all circumstances, the structural cracks appear to have been caused as a result of foundation settlements and associated shifting of support.</p> <p>The specific parks and buildings of concern are;</p> <p>1.Greenway Farms Carport. Cracks can be seen on the North Side.</p> <p>Reports of this location were prepared by March Adams and Associates, and contain more specific details. This report is available for review.</p> <p>Scope of Work 1.Greenway Farm *Raise and Stabilize 42 LF of the North Wall beneath the carport. Slab Jack a 750ft² concrete Slab. Assume 25 ft to bedrock.</p> <p>**Complete list of specifications for repair work needed at Greenway attached.*****</p>	1.00	EA		
				TOTAL:	

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CHATTANOOGA PARKS AND RECREATION STRUCTURAL REPAIR NEEDS AT SELECT LOCATIONS

Background

One location within the Chattanooga Parks and Recreation Department jurisdictional authority has been identified as containing structures in need of repair. In all circumstances, the structural cracks appear to have been caused as a result of foundation settlements and associated shifting of support.

The specific parks and buildings of concern are;

1. **Greenway Farms Carport.** Cracks can be seen on the North Side.

Reports of this location were prepared by March Adams and Associates, and contain more specific details. This report is available for review. :

Scope of Work

1. **Greenway Farm**

- Raise and Stabilize 42 LF of the North Wall beneath the carport. Slab Jack a 750ft² concrete Slab. Assume 25 ft to bedrock.

Assumptions

The following assumptions should be made in evaluation of the scope of work and preparation for the bidding process;

- A. Base of footer does not exceed three (3) ft below the finished grade.
- B. Footer does not exceed one (1) foot in thickness.
- C. Footer exposure does not exceed one (1) ft beyond the masonry wall.
- D. Depth to solid strata is as listed in the scope of work.

SPECIFICATIONS

These specifications have been written for Ram Jack® proprietary procedures. All other cost effective means and methods will be considered. If an alternate procedure is bid, bidder must provide sufficient procedural details for bid evaluation.

STEEL PIER SPECIFICATIONS

PIER COLUMN

1. 2 2/8" O.D. high-carbon tubing,

2. 0.216" wall thickness,
3. weight – 6.5 pounds per linear foot,
4. 2 3/8" connector – 0.19" wall thickness, precision cut, 12" length, with 6" protruding length,
5. Lead section is plugged and has a 3 1/2" O.D. expansion ring to reduce sidewall friction as the pier is advanced. The lead section is 10" long and has a 9.6 sq inch bearing surface and
6. Pier sections are 5' or 7' long.

BRACKET ASSEMBLY

1. **Support Bracket – The support bracket transfers the load from the foundation to the pier column.**
 - a) The support bracket is composed of a 10" section of heavy – wall steel tubing 4.5" O.D. The tubing weighs 18 lbs. per linear foot and is a high grade, high carbon steel.
 - b) Structural steel gussets are welded to the support sleeve by gas-wire (mig) welding. The gussets are 1/2" A-36 structural steel.
 - c) An angle of 1/2" structural steel is welded to the top of the gusset for load displacement. The dimensions are: 7" high by 10" wide and extends 9 1/2" to the forward edge of the gusset.
2. **Extended Guide Sleeve – dissipates the eccentricity of the working load onto the pier column.**
 - a) 48" section of N-80 high-carbon steel tubing - 3.5" O.D.,
 - b) 0.25" wall thickness and weighs 9.3 lbs per linear foot.

Note: guide sleeve length will vary according to loads, soil type, driving depths and other considerations.

3. **Securing Apparatus – selectively secures the bracket in a vertical position relative to the pier column**
 - a) Structural steel strap 3/4" thick x 2" wide x 5" long,
 - b) 1" I.D. x 2" length carbon steel tubing is welded to the strap,
 - c) Two – 1" nuts, 2 1/2" in length, are welded to flanges on either side of the support bracket. Two 1" nuts secure the support strap in place.
 - d) Two – 1" all-thread bolts connect the bracket to the support strap.

Steel Pier Installation

1. **Pier Material** – The piers are columns constructed of high carbon tubing. Manufacturing is under stringent quality controlled procedures, yielding high tensile strength and consistent hardness. The 2 7/8” outside diameter of the pier lends itself to maximum penetration power through sub-surface soil strata because there is less surface friction between the pier and soil as the pier is driven downwards. The high tensile strength maintains a resistance to buckling.
2. **Pier Connection** – The pier connector is composed of a smaller diameter section of the same high quality tubing and is permanently secured into one end of each pier section. The connector is a slip joint, which fit inside the next pier section. No final weld is made on the slip joint in the field application.
3. **Foundation Bracket** – The foundation support bracket is designed to perform with two primary advantages:
 - A. Since the pier column is hydraulically advanced reacting against the weight of the structure, it is essential that no unnecessary energy be expended due to excess friction during the driving process. The **Ram Jack®** bracket has an extended guide sleeve that virtually eliminates the friction that is generated as the pier column is advanced through the support bracket. Longer guide sleeves are advised for piers that are driven over 25 feet in low density of soft soils and also, when loads are in excess of 20,000 lbs and in soft soils. (Conventional Sleeve brackets can consume as much as 40% of the available driving power due to this friction).
 - B. Symmetrical Weight Transfer – The foundation support bracket is installed under the foundation of the structure and extends 9” beneath the grade beam. The point of contact with the bottom of the foundation is approximately 6” to 8” from the face of the foundation. The **Ram Jack®** bracket is designed to transfer the load of the structure onto the pier column in axially loaded alignment. This eliminates the buckling induced by eccentric load transfer that is associated with conventional bracket designs.

The **Ram Jack®** steel pier is principally an end-bearing member with little or no support derived from surface friction. A 0.25” thick friction reducer compresses the soil away from the piling surface. The low surface friction on the 2 7/8” pier tubing allows the driving energy to be directed to penetration power.

Typical driving force is approximately 50,000 lbs on residential structures. There are 9.6 sq inches of surface area on the base of the pier. Oftentimes multiple stratas of sandstone, shale or limestone are sheared through to achieve final resistance on firm strata.

Piers typically drive 18 to 22 feet deep to encounter refusal and final point bearing. At this depth, sidewall friction is insignificant. Sidewall friction seldom affects pier driving appreciably unless driving depths are over 40 feet in semi weathered shale soils, such as are found in the Chattanooga area.

Additional Information Requested

1. Warranty Period
2. Insurance Coverage

REQUIREMENTS FOR INSURANCE COVERAGE

The Contractor shall not commence work under these Contract Documents until he has obtained all insurance required herein nor shall the Contractor allow any Subcontractor to commence work on his subcontract until similar insurance required of the Subcontractor has been obtained by the Subcontractor. Insurance shall be placed by the Contractor with one or more insurance carriers licensed to do business in the State of Tennessee. Each insurance policy shall be renewed ten (10) days before the expiration date of the policy.

Certificates of insurance shall be filed with the City prior to commencement of the work. These certificates shall contain a provision that coverage's afforded under the policies will not be changed or canceled unless at least fifteen (15) days' written notice has been given to the city. The Contract shall not be binding upon the city until the insurance coverage required herein has been obtained and certificates have been filed with the City.

Adequate insurance coverage shall be maintained by the Contractor at all times. Failure to maintain adequate coverage shall not relieve the Contractor of any responsibilities or obligations under these Contract Documents. In the event any insurance coverage is canceled or allowed to lapse, the Contractor will not be permitted to prosecute the work until adequate and satisfactory insurance has been obtained and certificates of insurance furnished to the City. Failure to keep insurance policies in effect will not be cause for any claims for extension of time under these Contract Documents.

All such policies shall be subject to approval by the City Attorney. Should the City Attorney at any time in his sole discretion determine that the insurance policies and certificate provided may not be sufficient to protect the interests of the City because of the insolvency of the insurance company or otherwise, the Contractor shall replace such policies with policies meeting his approval.

The Contractor shall procure and maintain at his own expense, during the Contract Time, insurance as hereinafter specified:

Workmen's Compensation Insurance that shall protect the Contractor against all claims under applicable state workmen's compensation laws shall be maintained. The Contractor shall also be protected against claims for injury, disease or death of employees which, for any reason, may not fall within the provisions of a workmen's compensation law. This policy shall also include an endorsement providing coverage in all states in which work is performed. The Contractor shall require all the Subcontractors to provide similar Workmen's Compensation Insurance for all the Subcontractors' employees on the work unless such employees are covered by the protection afforded by the Contractor. The liability limits shall not be less than that required by statute.

General Public Liability and Property Damage Insurance that shall be written in comprehensive form and shall protect the Contractor against all claims arising from injuries including death, to members of the public or damage to property of others arising out of any act or omission of the Contractor or his agents, employees, or Subcontractors. In addition, this policy shall specifically insure the contractual liability assumed by the successful bidder to defend and indemnify the City of Chattanooga against such claims or suits.

To the extent that the work may require blasting, explosive conditions or underground operation, the comprehensive general public liability and property damage coverage shall contain no exclusion relative to blasting, explosion, collapse of buildings, or damage to underground property.

The comprehensive general public liability and property damage coverage shall also protect the Contractor against all claims resulting from damage to:

1. Private driveways, walks, shrubbery and plantings;
2. Public utility facilities; and
3. U.S. Government monuments.

The liability limits shall not be less than:

Bodily Injury	\$ 500,000 each person \$1,000,000 each occurrence
Property Damage	\$ 250,000 each occurrence \$ 500,000 aggregate

The general public liability and property damage insurance shall carry an endorsement in form satisfactory to the City to the effect that the Contractor shall save harmless the City from any claims and damage whatsoever, including patent infringement. General public liability and property damage insurance shall be kept in force at all times during the course of the work until such time as the work covered by these Contract Documents has been completed and accepted by the City.

Comprehensive Motor Vehicle Liability and Property Damage Insurance that shall be written in comprehensive form and shall protect the Contractor against all claims for injuries to members of the public and damage to property of others arising from the use of motor vehicles, and shall cover operation on or off the site of all motor vehicles licensed for highway use, whether they are owned, non-owned, or hired.

The liability limits shall not be less than:

Bodily Injury	\$ 250,000 each person \$ 500,000 each occurrence
Property Damage	\$ 100,000 each occurrence

(Name of Contractor)

The above named Contractor is an equal opportunity employer and during the performance of this contract, the Contractor agrees to abide by the Affirmative Action Plan 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. It is the goal of the Contractor to have a workforce with a minimum of 8.6 percent minority and 6.9 percent female employees.
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.
6. During the term of this contract the following non-discriminatory hiring practices shall be employed to provide employment opportunities for minorities and women:
 - a. All help wanted ads placed in newspapers or other publications shall contain the phrase "Equal Employment Opportunity Employer".

- b. Maintain systematic contracts with minority groups and human relations organizations.
 - c. Encourage present employees to refer qualified minority group and female applicants for employment opportunities.
 - d. Use only recruitment sources which state in writing that they practice equal opportunity. Advise all recruitment sources that qualified minority group members and women will be sought for consideration for all positions when vacancies occur.
7. During the term of this contract, the Contractor, upon request of the City of Chattanooga Office of Economic and Community Development, will make available for inspection by the City of Chattanooga Office of Economic and Community Development, copies of payroll records, personnel records, documents and other records that may be used to verify Contractor compliance with these equal opportunity provisions.
8. The Contractor agrees to notify the City of Chattanooga Office of Economic and Community Development of any failure or refusal on the part of the contractor or any subcontractors to comply with the equal opportunity provisions set forth. Any failure of refusal to comply with the aforementioned provisions by the Contractor and/or Subcontractors shall be a breach of this contract.

(Signature of Contractor)

(Title and Name of Construction Company)

(Date)