

GENERAL TERMS AND CONDITIONS  
PLEASE READ AND SIGN

REFERENCE: *MECHANICALLY CLEANED BAR SCREEN*

- 1) Sealed bids will be received at the Main Office of the Water Works and Sewer Board located at 931 Noble Street, Anniston, Alabama 36202-2268 until Thursday, OCTOBER 3, 2013 at 10:00 am and then at said place publicly opened and read aloud.
- 2) Each bid must be submitted in a sealed envelope addressed to the Water Works and Sewer Board of the City of Anniston, 931 Noble Street, P.O. Box 2268, Anniston, Alabama 36202-2268. The envelope shall be marked "SEALED BID, MECHANICALLY CLEANED BAR SCREEN, ATTENTION: PHILLIP T. BURGETT, TO BE OPENED 10:00 AM, THURSDAY, OCTOBER 3, 2013". Anyone who has questions regarding this solicitation should contact Phillip T. Burgett of the Board Engineering Department at (256) 241-5002.
- 3) The attached specifications are being provided to potential bidders as guidelines which describe the type and quality of equipment, supply, and/or service the Water Works and Sewer Board is seeking to purchase. The bidder must indicate compliance in the spaces provided or list exceptions to each specification item for consideration. Failure to comply with this provision could be cause for rejection of the bid.
- 4) Whenever the words equal, equivalent or alternate appear in the specifications, they shall be interpreted to mean an item or material or equipment similar to that named, and which is suited to the same use as that named and which is approved by the Board Engineering Department.
- 5) It will be assumed that all bids are based upon the specifications unless the bidder stipulates to the contrary. Exceptions from the specifications may be considered if they do not alter the performance for the intended purpose.
- 6) If it becomes necessary to revise any part of this bid, a written addendum will be provided on the Board website at [awwsb.org](http://awwsb.org). The Water Works and Sewer Board of the City of Anniston is not bound by any oral representations, clarifications, or clarification made in the written specifications by Board employees unless such clarification or change is provided to bidders at [awwsb.org](http://awwsb.org).
- 7) The bidder shall guarantee the units submitted for their bid shall be new and of the latest and most improved model of the current production, and shall be of first quality as to workmanship and materials used in said units. All modifications shall be made at the factory. Equipment shall not have been operated for any purpose other than routine operational testing. Demonstrators will not be accepted.

- 8) All bids shall be typewritten or in ink on the form(s) prepared by the Board. Bids prepared in pencil will not be accepted. All proposals must be signed by officials of the corporation or company duly authorized to sign bids.
- 9) All corrections or erasures shall be initialed and dated by the person authorized to sign bids.
- 10) Prices quoted shall be delivered prices, exclusive of all federal or state excise, sales, and manufacturer's taxes. The Board will assume no transportation or handling charges other than specified in this bid. The Board is tax exempt by law - Article 9 of Code of Alabama (1975) - Title 11-50-322.
- 11) Prices quoted to the Water Works and Sewer Board shall remain firm for a minimum of 60 days from the date of opening of the bid.
- 12) The delivery schedule shall be entered in the appropriate space on the proposal form. If all items cannot be delivered on the same schedule, please note variances.
- 13) The bidder shall assume ultimate responsibility for guaranty of all components of the equipment. All items furnished in accordance with these specifications shall be covered by the manufacturer's and/or supplier's standard warranty or guarantee on new equipment. The minimum warranty period on new equipment must be one year unless otherwise stated.
- 14) The Board reserves the right to request a demonstration of any and all items bid before making the award.
- 15) The Board reserves the right to accept or reject any or all items covered in the request, or any portion(s) thereof, waive formalities or informalities, re-advertise and/or take such other steps decreed necessary and in the best interest of the Board. The Board further reserves the right to reject any and all bids, and to waive any informality in any bid.
- 16) All bids will be awarded to the lowest responsive and responsible bidder. This determination may involve all or some of the following factors: price, conformity to specifications, terms of payment, financial ability to meet the contract, previous performance, facilities and equipment, availability of repair parts, experience, delivery promise, compatibility as required, other costs, and other objective and accountable factors which are reasonable.
- 17) All items bid will be inspected by a representative of the Water Works and Sewer Board upon delivery to ascertain compliance with the specifications. Items not in compliance with the specifications shall be rejected until proper remedial measures are taken to assure compliance. Payment to the successful bidder will be made in accordance with standard payment procedures of the Board.
- 18) Any provisions made in the Invitation for Bids supersedes any provisions outlined here in the General Terms and Conditions
- 19) A bid bond or cashier check in the amount of 5% of bid amount shall be submitted with your proposal.

20) Bidders may be disqualified and rejection of proposals may be recommended for any of (but not limited to) the following causes:

- Failure to use the bid forms furnished by the Board
- Lack of signature by an authorized representative on the bid form
- Failure to properly complete the bid form and vendor compliance
- Unauthorized alteration of the bid form

21) Bidders will submit two (2) names, addresses, telephone numbers of current users of the equipment proposed in the bid

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| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

I HEREBY CERTIFY THAT I HAVE READ AND UNDERSTAND THESE INSTRUCTIONS

\_\_\_\_\_  
SIGNATURE OF BIDDER

\_\_\_\_\_  
NAME OF BIDDER (typed or printed)

PROPOSAL FORM

REFERENCE: *MECHANICALLY CLEANED BAR SCREEN*

THE WATER WORKS AND SEWER BOARD OF THE CITY OF ANNISTON  
931 NOBLE STREET  
P.O. BOX 2268  
ANNISTON, AL 36202-2268

OPENING DATE: OCTOBER 3, 2013, AT 10:00AM

I HEREBY SUBMIT THE FOLLOWING FOR CONSIDERATION IN ACCORDANCE WITH ALL TERMS AND SPECIFICATIONS OF THE ABOVE REFERENCED INVITATION FOR BID:

MAKE: \_\_\_\_\_

MODEL: \_\_\_\_\_

DELIVERY SCHEDULE: \_\_\_\_\_

TOTAL DELIVERY PRICE: \_\_\_\_\_

DELIVERY SCHEDULE SHALL BE NUMBER OF DAYS FROM DATE OF ORDER

THIS BID MUST BE RETURNED ALONG WITH SETS OF DESCRIPTIVE LITERATURE WITH MANUFACTURER'S SPECIFICATIONS

SUBMITTED BY: \_\_\_\_\_

NAME : \_\_\_\_\_

TITLE : \_\_\_\_\_

CORPORATION : \_\_\_\_\_

ADDRESS : \_\_\_\_\_

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

DATE : \_\_\_\_\_

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

WATER WORKS AND SEWER BOARD OF THE CITY OF ANNISTON

SPECIFICATIONS  
MECHANICALLY CLEANED BAR SCREEN

The following specifications are being provided to potential bidders as guidelines that describes the type and quality of equipment/material that the Water Works and Sewer Board is seeking to purchase. The bidder must indicate compliance, or list exceptions to each specification item for consideration and/or acceptance. Failure to comply with this provision could be cause for rejection of the bid. However, deviation from a specification does not preclude equipment from being considered for purchase.

VENDOR COMPLIANCE

1 GENERAL

1.1 It is the intent of these specifications to describe the minimum requirement for a bar screen that:

1.1.1 Is mechanically, front cleaned

\_\_\_\_\_

1.1.2 Capable of providing continuous cleaning without an operator

\_\_\_\_\_

1.1.3 Provide cleaning top to bottom the entire width of the bar rack

\_\_\_\_\_

1.1.4 Have a design that requires no regular maintenance to any continuously submerged part

\_\_\_\_\_

1.1.5 Have a design without any lower submerged sprockets

\_\_\_\_\_

1.1.6 Be capable of passing 21 MGD with a head loss of 20 inches of water or less at a velocity of 2 fps

\_\_\_\_\_

1.1.7 Be capable of adapting to the channel as shown in the exhibit included herein

\_\_\_\_\_

1.2 All equipment and components shall be bid new, unused, and the machine shall be serviced and ready for installation upon delivery

\_\_\_\_\_

- 1.3 A demonstration may be required prior to award. Vendors shall have two weeks to provide this demonstration after being contacted. Demonstration will only be accepted if the equipment demonstrated matches the equipment bid 

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- 1.4 The dealer and manufacturer shall provide a minimum of five (5) year warranty parts and labor included on all equipment. All warranty coverage shall be F.O.B. destination 

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- 1.5 Vendor has been engaged in the manufacture of this type equipment of a period of not less than five (5) years 

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- 1.6 Descriptive literature and specifications of the equipment must be attached to the bid 

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- 1.7 Owner's manual shall be provided with the equipment 

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- 1.8 State nearest factory parts and service location and phone number: 

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2 SCREEN

2.1 Bar Rack

2.1.1 The bar rack assembly shall be designed to be easily mounted and adapted to the existing channel and conveyor configuration shown in the attached exhibit. The assembly shall be structurally sound when mounted according to manufacturer recommendations and shall be capable of withstanding all forces due to normal operation and potential blinding. The rack shall be 

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capable of being removed without disturbing anchor bolts.

2.1.2 Consideration of the optimum operation angle from vertical for the proposed screen unit relative to the existing headworks configuration shown in the exhibit shall be considered in the design of the unit

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2.1.3 The bar rack assembly shall have a base plate or bar geometry or other means necessary to prevent debris accumulation in the channel at the base of the screen assembly

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2.1.4 Bars

2.1.4.1 The bars shall provide ¼” clear openings for the full width of the channel

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2.1.4.2 The bars shall have a cross section that is tear or trapezoidal-shaped so as to allow ease of passage of particles that are smaller than the clear opening

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2.1.5 The bar rack assembly including bars shall be AISI 316 Stainless Steel

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2.2 Discharge Chute

2.2.1 A discharge chute or plate shall be mounted on the bar screen unit in order to adapt to existing configuration and to provide proper landing of debris onto the existing conveyor

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2.2.2 The chute shall be AISI 304 Stainless Steel

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2.3 Rakes

2.3.1 Rakes shall consist of identical or alternating types of rake combinations to assure conveyance of any debris build-up from the front surface of the bar rack and any imbedded debris to the discharge chute

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2.3.2 The spacing of the rakes shall be 7' or less, but the rake quantity shall be sufficient for adequate cleaning of the bars and ensure proper chain alignment

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2.3.3 The speed and spacing of the rakes shall allow for at least 1 discharge per minute

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2.3.4 The rakes shall be AISI 316 Stainless Steel

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2.3.5 Rake Wiper/Scraper

2.3.5.1 A wiper shall be mounted on the unit to remove debris from the rake/rake teeth

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2.3.5.2 The wiper shall be designed and mounted to prevent damage to it or the rakes from binding debris

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2.4 Chains



2.4.1 Chains shall accommodate a simple screen assembly design requiring no submerged moving parts such as sprockets, bearings, or rollers

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2.4.2 Chains shall be AISI 304 Stainless Steel

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## 2.5 Chain Drive

### 2.5.1 Drive Sprockets

2.5.1.1 Drive sprockets shall be coated ASTM A48, Class 40 cast iron

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2.5.1.1.1 Sprocket teeth shall have Brinell hardness of 375

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### 2.5.2 Drive Shaft

2.5.2.1 Drive shaft shall be AISI 1018 carbon steel having a tensile strength of 85,000 psi, straight and true, continuous between bearings, and shall be of ample diameter to transmit power

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### 2.5.3 Bearings

2.5.3.1 All shaft bearings shall have lubrication fittings.

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### 2.5.4 Drive Unit

2.5.4.1 Motor

2.5.4.1.1 The motor shall be of TEFC design, 0.5 hp minimum, 460V, 3 ph, 60 Hz

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#### 2.5.4.2 Overload Protection

2.5.4.2.1 The drive unit shall be provided with shear pin protection against overload

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2.5.4.2.2 The drive unit shall also be provided with a limit switch, motor overload relay, or other method of redundant overload protection

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### 2.6 Control

2.6.1 Control shall be provided by the manufacturer for the screen unit

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2.6.2 At a minimum, the control shall be equipped with an H-O-A switch, push button start/stop, and status lights

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2.6.3 Controls shall be contained in NEMA 4X rated stainless steel enclosure suitable for wall mounting

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### 2.7 Installation Hardware

2.7.1 The screen unit shall include all hardware necessary to complete installation including, but not limited

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to bolts, nuts, screws, fasteners,  
grout, and anchors

2.7.1.1 All applicable hardware shall  
be AISI 316 Stainless Steel

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3 OTHER ITEMS INCLUDED

3.1 The following items *should* be included in  
the bid price

3.1.1 Delivery of assembled unit to the  
jobsite at Choccolocco Creek  
WWTP, 35 Friendship Road,  
Oxford, AL 36203

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3.1.2 Eight hours of on-site technical  
assistance

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3.1.3 Operation and maintenance manuals  
(two copies)

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3.1.4 The bidder should become familiar  
with existing configuration and  
conditions at the installation site at  
Choccolocco Creek WWTP, 35  
Friendship Road, Oxford, AL 36203  
to ensure that the equipment  
proposed will conform, adapt, and fit  
in the existing proposed space

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4 ITEMS NOT INCLUDED

4.1 The following items *should not* be included  
in the bid price

4.1.1 Site work relative to installation of  
the equipment

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- 4.1.2 Installation of units including mounting and external hard wiring \_\_\_\_\_
- 4.1.3 Unloading or placement of equipment \_\_\_\_\_
- 4.1.4 Conduit, wiring, junction boxes, or other common electrical accessories \_\_\_\_\_
- 4.1.5 Removal of existing equipment for accommodation of screen unit \_\_\_\_\_