

INVITATION TO BID

FOR

**2014 416F RUBBER TIRE BACKHOE
Or EQUIVALENT**



BRUNSWICK, GEORGIA

I. GENERAL

A. Invitation

1. Notice is hereby given that Brunswick – Glynn County Joint Water Sewer & Commission, hereinafter JWSC, will receive sealed bids in the Procurement Department, JWSC 700 Gloucester Street, Suite 300, Brunswick, Georgia 31520 **until 3:00 p.m. EST on Thursday, September 4, 2014 for 2014 416F Rubber Tire Backhoe Loader or its “Equivalent” for the JWSC.**

NO BIDS WILL BE ACCEPTED AFTER THE ABOVE TIME.

2. Bids will be publicly opened and read in the Executive Director’s Conference Room on Thursday, September 4, 2014 starting at 3:00 p.m. EST.

B. Bid Documents

3. Bid documents will be made available at the JWSC procurement department, 700 Gloucester Street, Suite 300 Brunswick, Georgia 31520 (912) 261-7100 or www.bgjws.org under bids & rfp’s.

C. Sealed Bids

SEALED BIDS shall be delivered or mailed to:

Brunswick – Glynn County
Joint Water & Sewer Commission
Attn: Drexal D. Paulk
700 Gloucester Street, Suite 300
Brunswick, Georgia 31520
(912) 261-7100
dpaulk@bgjwsc.org

Mark the outside of the envelope
“2014 416F RUBBER TIRE BACKHOE LOADER OR EQUIVALENT”

D. Validity

1. No bid may be withdrawn for a period of sixty (60) days after time has been called on date of bid opening.
2. All prices shall be Delivered Prices, FOB Destination, after deducting all non-applicable taxes, including trade in value for 930 Loader, to requesting department or office. Vehicle shall be ready to use.

E. Forms

1. The enclosed JWSC bid form shall be used. Use of other bid documents may deem the bid to be non-responsive.

F. Reservations

1. JWSC reserves full freedom (in addition to the right to reject any and all bids) in awarding bids to consider all available factors including, but not limited to, price, the provision of needed and unneeded features, usefulness to the using department and prior JWSC experience. Hence, JWSC may award bids to other than the lowest bidder if in the judgment of the Board of Commissioners the interest of the JWSC will be best served by award to another. Any required information not submitted with bids shall deem bid non-responsive.

2. **Unless otherwise specified, manufacturer's names, trade names, brand names, information and/or catalog numbers listed herein are intended only to identify the quality level desired. They are not intended to limit competition. The bidder may offer any equivalent product that meets or exceeds the specification. If bids are based on equivalent products, the bidder shall indicate on the bid form the alternate manufacturer's name and catalog number and shall include complete descriptive literature and/or exceeds this specification. JWSC reserves the right to be the sole judge of what is equal and acceptable. If bidder fails to name a substitute, he shall furnish goods identical to the bid specifications.**

G. Delivery of said 416F Rubber Tire Backhoe Loader or Equivalent will be delivered to:

Brunswick-Glynn Joint Water & Sewer Commission

Dunbar Creek Wastewater Treatment Plant

ATTN: Mark Ryals

601 Palmetto Street

St. Simons Is., GA 31522

Call Mr. Mark Ryals twenty-four (24) hours in advance of delivery: (912) 261-7146

**ATTACHMENT A
GENERAL BID SPECIFICATIONS**

I. GENERAL

Current production model 14-foot class backhoe loader. Manufacturer to supply minimum 12 month unlimited hour warranty with an additional 12 months or 2000 hours on all components. All specifications advertised must comply with SAE or ISO standards.

II. SAFETY AND SECURITY

Unit to be equipped with the following: Roll over protective structure (ROPS) and falling object protective structure (FOPS), retractable seat belt meeting SAE J1040, SAE J386 and SAE 231 criteria. Unit to also be equipped with lever type park brake, which automatically disengages transmission when engaged. Vandalism protection to include the following lockable components: cab doors, front engine grill, fuel fill, hydraulic fill and external toolbox. All locks must be opened with the engine start key. Loader service strut. Front and rear buttons for horn, reverse alarm and battery isolator.

III. ENGINE:

Turbocharged, water-cooled, 4-cycle, direct injection diesel engine with 4 valves per cylinder. Equipped with cold start aid (ether start aid will not be accepted). Coolant protection to -30 degrees F. . Must conform to; EPA Interim Tier 4 regulations without the use of exhaust after treatment.

Displacement:	4 cylinder, 268 in ³ (4.4 liter) minimum.
Air Cleaner:	A self cleaning pre-cleaner with automatic expulsion of excess dust. Filtration provided by two-stage system consisting of primary and secondary elements.
Fuel Filtration:	Two-stage fuel filtration system utilizing a water/sediment separator and spin-on secondary filter element. Warning lamp, which indicates the presence of water in the fuel, is included in the instrument cluster.
Lubrication:	Full flow pressure lubrication with spin-on filter cartridge.
Horsepower Output:	Minimum 91 SAE J1995 gross engine HP at 2,200 RPM
Throttle Control:	To be hand and foot operable.
Cooling System:	Air to fluid coolers. Separately serviceable radiator, hydraulic cooler and transmission cooler.

IV. TRANSMISSION:

Separate unit mounted to engine containing torque converter and all transmission components. Connected to the drive axles via driveshafts.

Type: Four speeds forward and reverse. Single lever powershift transmission. 12 inch torque converter

Lubrication and Cooling systems: Air to fluid type transmission oil cooler equipped. Pressure lubrication with spin-on cartridge filter.

Transmission Disconnect: Electrically operated on loader control lever to allow disengagement of transmission for shifting or loader operations.

V. REAR AXLE:

Separate unit rigidly mounted to mainframe and connected to transmission via driveshaft.

Type: Heavy-duty double reduction. Outboard planetary gear final reduction. With no less than 55,125 lbs static load rating.

Traction control: Limited slip differential to provide automatic equalization of wheel spin under conditions of unequal footing.

VI. BRAKES:

Type: Sealed wet multiple disc. Must be able to operate brake pedals independently as turning brakes or locked together for road operation.

Actuation: Hydraulically operated.

Park Brake: Over center actuation disc type brake. Transmission shifts to neutral when brake is actuated.

VII. FRONT AXLE 4WD:

4WD Type: Industrial duty, with outboard planetary final reduction, shift on the go. 11 degrees of axle oscillation either side of centerline. Ground Clearance: 11 inches minimum

Tread width:	Front tires must ride inside specified loader bucket cutting width.
Steering:	Hydrostatic power, with priority valve or dedicated steering pump. Steering wheel lock to lock turns - no greater than 3.00 in each direction. 55-degree steering angle
4 wheel brake:	Operator selectable 2 wheel drive / 4 wheel braking feature to give braking effect through the drive shaft when service brake is engaged.

VIII. ELECTRICAL SYSTEM:

Type:	12-volt system with 95 amp (minimum) alternator. Electrical connections meet IP67 for connections located in the cab and meet IP69 for connections outside the cab.
Battery:	Single, rated at 900 cold cranking amps. Maintenance free design.
Lighting:	Four halogen work lights front and four halogen work lights rear (total of eight), stop lights, turn signals, four way hazard flashers.
Instrumentation:	Gauges and readouts consisting of a tachometer, fuel gauge, engine coolant temperature gauge, digital hour meter and clock. Light and alarm for battery charge condition, coolant temperature, engine oil pressure, transmission oil pressure, transmission oil temperature, air cleaner restriction, parking brake engagement, and water in the fuel. Light indicators for front work lights on, rear work lights on, turn signal, and 4 way flashers
Circuit Protection:	Fuses and relays located in common panel.
Accessory:	12-volt outlet for accessories; mobile phone holder.

IX. SEAT/OPERATOR PLATFORM:

Seat:	Suspension seat with adjustments for weight, seat angle, back angle. Armrests and 2 inch retractable seat belt as standard.
Canopy:	Entry from right and left side. Full sure grip molded floor, cup holders, storage compartment, tilt steering column, front

windshield with 2 speed plus intermittent wiper and washer and interior rear view mirror.

X. LOADER - General Purpose:

Unit to be equipped with an integrally mounted front-end loader meeting the following criteria:

- Loader control with integral transmission disconnect switch.
- Mechanical parallel lift to maintain level load on raise and lower cycles.
- Minimum 1.4 cubic yard capacity heavy duty bucket.
- Minimum 7,670 lbs lift capacity.
- Minimum 13,603 lbs breakout force.
- Minimum 9' 0" dump height.
- Three spool loader valve.
- Bucket return-to-dig (equipped with "off/on" switch).

XI. BACKHOE, MAINFRAME & MANUAL CONTROLS:

Unitized, one piece mainframe with integral backhoe meeting the following criteria:

- Heavy-duty mainframe with sealed swing post pins and swing cylinder pins.
- Fabricated boom and dipper.

Backhoe Control: Floor mounted two lever mechanical controls for operation of the backhoe. Controls must allow the operator to utilize the backhoe both while facing rearward and forward.

Backhoe with
Extending dipper: Maximum dig depth to equal or exceed 14' 7" retracted and 18' 6" extended.
Stabilizer operating width to equal or exceed 10' 10"
Dipper lift at 8 ft. to equal or exceed 7,059 lbs.
Boom lift at ground level to equal or exceed 3,262 lbs.
Dipper breakout force to equal or exceed 8,605 lbs.
Bucket breakout force to equal or exceed 13,730 lbs.
Bucket rotation capable of 201 degrees minimum.
Extending dipper to extend inner section to trench
Synthetic wear pads with external adjustment for extending dipper. Dry type lubricant to be used on extending dipper

XII. HYDRAULIC SYSTEM:

Type:	Open center
Hydraulic Pump:	Variable displacement piston pumps - 44 GPM flow at rated engine rpm. Engine driven, rear mounted for protection and extended service life.
System Pressure:	3,650 psi
Hydraulic Reservoir:	Separate oil reservoir not shared with other systems. Externally mounted to mainframe for easy servicing and lower center of gravity.
Oil Cooler:	Separate loader/backhoe hydraulic system oil cooler.
Hydraulic Hoses:	Abrasion protection of valve to boom hoses. Hoses to have burst pressure at 4 times working pressure.
Pipe work:	Structural steel pipe to withstand minor impacts.

XIII. TIRES 4WD:

4WD Front:	14 x 17.5 - Industrial tread pattern
4WD Rear:	19.5L x 24 R4 Industrial tread pattern

XIV. SERVICEABILITY AND MAINTENANCE:

Service and maintenance design to enhance operator convenience and ease of maintenance.
Daily fluid level checks done electronically with issues displayed in the cab
Tilt engine hood that allows easy access to service points and provides vandal protection.
Front grill screen that is key lockable
All locks must be opened using the engine start key.
Maintenance free battery
External toolbox with integral locking handle

XV. WARRANTY:

Standard Warranty
12 months, no hour limitation with an additional 12 months or 2,000 hour

BID FORM

I certify that my bid meets these minimum specifications. This bid shall be valid and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.

TRADE-IN

Model	Make	Trade Allowance
930	CATEPILLAR, INC (AM)	\$ _____

UNIT PRICE: \$ _____ QTY 1: = Total: \$ _____ (unit price – trade allowance)
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BIDDER INFORMATION	
Company Name:	
Company Address:	
Authorized by: (print or type name)	
Signature:	Date:
Title:	
Telephone Number:	Fax Number:
Email Address:	

REMITTANCE INFORMATION (where payments should be sent)			
Remit to Name:			
Remit to Address:			
City:	State:	Zip:	County:
Phone:	Fax:	Toll Free:	
Contact:		Email:	
Tax ID:		Federal Tax ID:	
Business Type:		Individual	Business

FINANCIAL & LEGAL STABILITY STATEMENT

Please check appropriate item(s):

Firm has the financial capability to undertake the work and assume the liability required if awarded this solicitation.

Firm has the legal capability to undertake the work and assume the responsibilities required if awarded this solicitation. Pending litigations (if any) will not affect the firm's ability to perform on this contract, if awarded.

SUBSCRIBED AND SWORN

BEFORE ME ON THIS THE

_____ DAY OF _____, 201____ My Commission Expires: _____

Notary Public

[NOTARY SEAL]