



March 18, 2022

**STATE OF ALABAMA
COUNTY OF SHELBY**

INVITATION TO BID – WATER FITTINGS AND ACCESSORIES

Sealed bids for **WATER FITTINGS AND ACCESSORIES** will be received in the office of the County Manager, Administration Building- Shelby County, 200 West College St, Room 123, Columbiana, Alabama 35051 until **3:00 p.m. April 5, 2022** at which time bids will be publicly opened and read. The Shelby County Commission reserves the right to reject any or all bids and to waive informalities in awarding this bid to the lowest bidder. Bidders are to state that bids submitted are firm and that no claims for errors will be made after bids are opened and subsequent thereof. If you have any questions concerning this bid, please contact Michael Cain at mcain@shelbyal.com.

GENERAL INFORMATION

All bidders must use our form for submitting their bids. All bids must be sealed and marked in the lower left corner "**BID – WATER FITTINGS AND ACCESSORIES**" with opening date and time. Late bids will not be opened.

Records showing successful bidder(s) and prices quoted will be placed on file and may be examined upon request. If contract is awarded to someone other than lowest bidder, a note of explanation will appear in the file and Commission Minutes.

Should there be a change in ownership or management the contract shall be canceled unless a mutual agreement is reached with the new owner or manager to continue the contract with its present provisions and prices. The contract is not transferable by either party.

The County may cancel this contract at any time for any reason, provided a thirty day written notice is given.

DISQUALIFICATION OF BIDS

Bids may be disqualified before awarding of the contract for any of the following:

- A. Failure to mark envelope as required;
- B. Failure to sign or notarize the bid document; or
- C. Failure to include requested information or other details of the bid.

IMMIGRATION LAW

By signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.

OPEN TRADE

By signing this contract, vendor agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

METHOD OF AWARD

The award will be made to the lowest responsive bidder meeting specifications. It is not the policy of The Shelby County Commission to purchase on the basis of low bid only. Quality, conformity with specifications, purpose for which required, terms of delivery, and past service and experience are among the factors that may be considered in determining the responsive bidder.

The Shelby County Commission reserves the right to award separate contracts for each item, each product, or any combination of products if in the best interest of the Shelby County Commission.

Shelby County requires a purchase order for all purchases/services. Copies of purchase orders shall be required by vendor for orders to be processed and invoices paid.

Please provide your bid response in triplicate, one original and two copies.


Chad Scroggins
County Manager

GENERAL CONDITIONS FOR WATER FITTINGS AND ACCESSORIES

I. CONTRACT PERIOD

The period of this contract will be for **One hundred and eighty (180) days** from date bid is awarded. This contract may be renewed for up to **three (3) years** from the initial award date upon the agreement of both parties. Bid price will remain firm during the period of the contract.

II. DELIVERY

Deliveries shall be made within seven (7) working days from the date of order. The vendor shall notify Water Plant Operator or Shelby County Water Services personnel (the person who ordered the product) of any problems in meeting the mandatory seven (7) working day deadline and the vendor must schedule specific delivery day and time with personnel if the deadline is not met. Excessive failure to deliver within seven (7) working days shall be grounds for rejection of the vendor for future purchases, at the sole discretion of Shelby County. Bulk deliveries of chemicals, if ordered, shall be made in tanker truck. For all chemical deliveries, the truck must be equipped with all the means to safely convey the chemical from the truck to the storage tanks. Any spillage or leakage shall be the responsibility of the vendor.

All quoted prices shall include delivery charges. Deliveries shall be made to the following addresses:

Shelby County Booster Station B-2-N
10610 Old Hwy. 280
Sterrett, AL 35147

Shelby County Field Operations Office
42 Big Oak Circle
Sterrett, AL 35147

III. BILLING

Invoice payments shall be based solely on quantity of items received and the vendors stated bid price. Product shall be billed in **items received** and all prices shall include shipping. Shelby County Water Services does require a Purchase Order for every order placed. Shelby County Water Services is tax exempt (tax exempt #63-6001694).

All invoices shall be billed to:

Shelby County Water Services
200 West College Street, Room 145
Columbiana, AL 35051
ap-water-landfill@shelbyal.com

IV. ESTIMATED ANNUAL USE

Products will be ordered on an *AS NEEDED* basis. Minimum quantities for chemical orders, other than bulk orders, may be one (1) tote or one (1) pallet. Estimated quantities for products are:

See attached bid documents for quantities.

V. BID QUALIFICATIONS

All BIDDERS must submit product information with bids. Information to be submitted must show the product proposed meets all the specifications listed below and list **ALL EXCEPTIONS** to the specifications in a separate document. Failure to submit these exceptions may be cause for disqualification.

VI. METHOD OF AWARD

The intention is to award this bid to one supplier on a Total basis for Groups 1-4. Failure to provide a bid price for all items within a Group will be cause for disqualification of the bid for that entire Group. However, Shelby County Commission reserves the right to award separate contracts for each group or combination of groups if in the best interest of the Shelby County Commission. Successful bidders are required to provide any or all items within the Group awarded at the unit prices offered in the bid. Unit prices shall be firm and no increase in price shall be allowed during the one hundred and eighty (180) days that the award is in effect. Failure to furnish any item within the Group at the bid price during the one hundred and eighty (180) day award period may be cause for disqualification from future bid processes for the Group of items awarded. Group 5 will be awarded to the vendor or vendors that are awarded any of Groups 1-4 and submit information for this bid.

QUOTATION SHEET
Shelby County Water Services
BID: WATER FITTINGS AND ACCESSORIES

THE UNDERSIGNED OFFERS THESE PRICES, TERMS, AND DELIVERY AS PER BID
GENERAL CONDITIONS AND SPECIFICATIONS:

NAME OF COMPANY: _____

BY: (Please Print): _____

SIGNATURE: _____

COMPANY ADDRESS: _____

PHONE: _____

E-MAIL ADDRESS: _____

BID BOND: _____

(If Applicable)

BIDS SUBMITTED ARE FIRM AND NO CLAIMS FOR ERRORS WILL BE MADE AFTER
BIDS ARE OPENED AND SUBSEQUENT THEREOF.

Sworn to and subscribed before me this

the _____ day of _____,

_____, Notary Public

My Commission Expires: _____

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
1	3/4" High Pressure Regulator (75-125psi) Watts 25AUB-HP or Equal			400		
2	3/4" Union Tailpiece - Watts # 1139959			100		
3	3/4" O-Ring - Watts # 1101192			100		
4	1" High Pressure Regulator (75-125psi) Watts 25AUB-HP or Equal			400		
5	1" Union Tailpiece - Watts # 1139960			100		
6	1" O-Ring - Watts # 1101930			100		
7	2" High Pressure Regulator (75-125psi) Watts 25AUB-HP or Equal			10		
8	1" x 3/4" Back Flow Preventor With Meter Connector Attached Watts 710U2 or Equal			400		
9	1" Back Flow Preventor With Meter Connector Attached Watts 710U2 or Equal			400		
10	2" Back Flow Preventor With Meter Connector Attached Watts 007QT or Equal			10		
11	2" Double Check Repair Kit (complete) Watts 0887192 (Valve)			50		
12	2" Double Check Repair Kit (rubbers only) Watts 0887188 (Valve)			50		
13	3/4" Brass Ball Type Corporation Stop - Ford FB10003 or Equal			25		
14	1" Brass Ball Type Corporation Stop -Ford FB10004 or Equal			400		

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
15	2" Brass Ball Type Corporation Stop - Ford FB10007 or Equal			10		
16	2" Threaded Brass Cap			50		
17	3/4" Angle Curb Stops - Ford BA43-332W or Equal			25		
18	1" Angle Curb Stops - Ford BA43-444W or Equal			400		
19	3/4" Straight Curb Stop - Ford B43-332W or Equal			10		
20	1" Straight Curb Stop - Ford B43-444W or Equal			25		
21	3/4" x 1/16" Rubber Washers			1000		
22	3/4" x 1/8" Rubber Washers			1000		
23	3/4" Grip Joint - Gasket/Nut Assembly - Ford GJN 4-3			200		
24	1" Grip Joint - Gasket/Nut Assembly - Ford GJN 4-4			200		
25	3/4" Pack Joint - Gasket/Nut Assembly - Ford NG-D4			200		
26	1" Pack Joint - Gasket/Nut Assembly - Ford NG-F4			200		
27	2" Meter Adapter Kits (Flange Type) Ford CF31-77 or Equal			25		
28	2" Bronze Gate Valves Screw Joint - NIBCO T113 or Equal			25		

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
29	3/4" Brass Ball Valves Screw Joint - NIBCO T580 or Equal			25		
30	1" Brass Ball Valves Screw Joint - NIBCO T580 or Equal			25		
31	2" Brass Ball Valves Screw Joint			10		
32	2" Dual Check Valve - Ford HFS31-777 or Equal			10		
33	3/4" Meter Adapters - Ford A-14 or Equal			800		
34	1" Meter Adapters - Ford A-34 or Equal			800		
35	2" Flange Bolts, Nuts and Washers			40		
36	1" x 1/16" Rubber Washers			1000		
37	1" x 1/8" Rubber Washers			1000		
38	3/4" Brass Meter Coupling, Ford C38-23-2.5 or Equal			800		
39	1" Brass Meter Coupling, Ford C38-44-2.625 or Equal			800		
40	2" Brass Meter Coupling, Ford C38-77-3.0625 or Equal			20		
41	1" Compression To Compression Coupling - Ford C44-44 or Equal			100		
42	1" Compression To Male Coupling - Ford C84-44 or Equal			75		

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
43	1" Compression To Female Coupling - Ford C14-44 or Equal			75		
44	1" Compression L or 90 - Ford L44-44 or Equal (Elbow)			250		
45	1" Compression Tees - ford T444-444Q or Equal			25		
46	2" Compression to Compression Coupling - Ford C44-77 or Equal			40		
47	2" Compression to Male for PVC (Adapter)			10		
48	2" Compression to Female for PVC (Adapter)			10		
49	2" IPS Female Compression x CTS (Adapter)			10		
50	2" IPS Male Compression x CTS (Adapter)			10		
51	3/4" Compression Coupling - Ford C44-33 or Equal			50		
52	3/4" Female to Compression Coupling - Ford C14-33 or Equal			25		
53	3/4" Male to Compression Coupling - Ford C84-33 or Equal			25		
54	3/4" x 1" Compression Tee - Ford T444-334 or Equal			25		
55	2" I 2500 Resilient Wedge Gate Valve, NRS with 2" Operating Nut, Screw Joint or Equal			10		
56	3/4" Brass Coupling - Iron Pipe Threads - Merit or Equal			50		

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
57	1" Brass Coupling - Iron Pipe Threads - Merit or Equal			50		
58	2" Brass Coupling - Iron Pipe Threads - Merit or Equal			25		
59	3/4" x Close Brass Nipple - Trenton or Equal			800		
60	1" x Close Brass Nipple - Trenton or Equal			800		
61	2" x Close Brass Nipple - Trenton or Equal			25		
62	3/4" x 2" Brass Nipple - Trenton or Equal			40		
63	3/4" x 3" Brass Nipple - Trenton or Equal			25		
64	3/4" x 4" Brass Nipple - Trenton or Equal			25		
65	3/4" x 5" Brass Nipple - Trenton or Equal			25		
66	1" x 2" Brass Nipple - Trenton or Equal			25		
67	1" x 3" Brass Nipple - Trenton or Equal			25		
68	1" x 4" Brass Nipple - Trenton or Equal			25		
69	1" x 5" Brass Nipple - Trenton or Equal			25		
70	1" x 6" Brass Nipple - Trenton or Equal			25		

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
71	2" x 2" Brass Nipple - Trenton or Equal			25		
72	2" x 3" Brass Nipple - Trenton or Equal			25		
73	2" x 4" Brass Nipple - Trenton or Equal			25		
74	2" x 6" Brass Nipple - Trenton or Equal			25		
75	2" x 12" Brass Nipple - Trenton or Equal			25		
76	2" x 24" Brass Nipple - Trenton or Equal			25		
77	2" x 36" Brass Nipple - Trenton or Equal			6		
78	2" x 48" Brass Nipple - Trenton or Equal			6		
79	3/4" x 1-1/4" Brass Bushings			50		
80	1" x 3/4" Brass Bushings - Merit or Equal			100		
81	2" x 3/4" Brass Bushings			20		
82	2" x 1" Brass Bushings			20		
83	3/4" Brass Unions - Merit or Equal			20		
84	1" Brass Unions - Merit or Equal			20		

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
85	2" Brass Unions - Merit or Equal			10		
86	3/4" x 2" Brass Bell Reducer - Merit or Equal			10		
87	2" 90 Degree Brass Elbows			40		
88	2" Brass Tee			40		
89	2" Brass 45 Degree Fitting (Elbow)			20		
90	5/8" x 3/4" x 12" Resetter - Ford VHH42 -12W			10		
91	5/8" x 3/4" x 15" Resetter - Ford VHH42 -15W			10		
92	5/8" x 3/4" x 18" Resetter - Ford VHH42 -18W			10		
93	1" x 12" Resetter - Ford VHH44 - 12 W			10		
94	1" x 15" Resetter - Ford VHH44 - 15 W			10		
95	1" x 18" Resetter - Ford VHH44 - 18W			10		
96	3/4" Repair Clamps Ford Style FLSC-088-3R			50		
97	1" Repair Clamps Ford Style FLSC-113-3R			50		
98	2" Repair Clamps Ford Style FLSC-213-6R			24		

GROUP 1		VENDOR NAME:				
BID ITEM#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
99	3/4" PEXa Water Service Line, 100' coils, per foot			200		
100	1" PEXa Water Service Line, 100' coils, per foot			200		
101	3/4" Stainless Steel Inserts for PEXa Water Service Line (PEX ftg)			100		
102	1" Stainless Steel Inserts for PEXa Water Line (PEX ftg)			100		
103	2" x 7 1/2" Repair Clamp for PVC FF126375			10		
104	2" x 12 1/2" Repair Clamp for PVC FF1263125			10		
105	3" x 7 1/2" Repair Clamp for PVC FF137075			10		
106	3" x 12 1/2" Repair Clamp for PVC FF1370125			10		
GROUP 1 TOTAL						

GROUP 2		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
201	12" x 18" Rectangular Meter Box <i>Polyplastic or Equivalent with cast iron, hinged reader lid NDS -1200-DICIR or Equal</i>			100		
202	18" x 24" Rectangular Meter Box <i>Polyplastic or Equivalent with cast iron, hinged reader lid NDS -1500-DICIR or Equal</i>			400		
203	24" x 36" Rectangular Meter Box <i>Polyplastic or Equivalent with cast iron, hinged reader lid NDS - 126BCDMCIFB or Equal</i>			10		
204	12" x 18" Concrete Meter Box with lid: 36-H			25		
205	Meter Box Lid for 12" x 18" Concrete Meter Box (Lid Only)			25		
206	Meter Box Lid for 12" x 18" Meter Box (Lid Only) NDS-D1200-DICIRLD or Equal			25		
207	Meter Box Lid for 18" x 24" Meter Box (Lid Only) NDS-D1500-DICIRLD or Equal			500		
208	Meter Box Lid for 24" x 36" Meter Box (Lid Only) NDS Bolt Down, Drop-in Plastic w/ Cast Iron Reader Cover or Equal			10		
209	13" x 24" Rectangular Meter Box, 20k lb. Rated, <i>Polyethylene with polyethylene lid with 2" thru hole and recess for Badger transmitter; Sigma RMB132412NSW-W (Box) & N1324BLKWAT-TS (Lid) or Equal (See Specifications)</i>			400		
GROUP 2 TOTAL						

GROUP 3		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
301	Fire Hydrant (3'6" Depth) - Style 129 M & H, American Darling B84B or Equal			5		
302	Fire Hydrant (4'0" Depth) - Style 129 M & H, American Darling B84B or Equal			2		
303	Fire Hydrant (4'6" Depth) - Style 129 M & H, American Darling B84B or Equal			5		
304	6" x 6" Fire Hydrant "T" American Table 5-24 or Equal			5		
305	8" x 6" Fire Hydrant "T" American Table 5-24 or Equal			2		
306	6" x 24" Anchor Coupling			10		
307	6" x 13" Anchor Coupling			10		
308	6" Resilient Wedge Mechanical Joint Gate Valve - Mueller 2360 or Equal			8		
309	8" Resilient Wedge Mechanical Joint Gate Valve - Mueller 2360 or Equal			5		
310	6" Tapping Valve - M & H 4067 or Equal			2		
311	8" Tapping Valve - M & H 4067 or Equal			2		
312	10" Tapping Valve - M & H 4067 or Equal			1		
313	12" Tapping Valve - M & H 4067 or Equal			1		
314	Fire Hydrant Repair Kit - American Darling for (Main Valve Repair Kit) Part #84-35-02, B-84-B Part #84-37, Part #84-36-1			4		

GROUP 3		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
315	Fire Hydrant Repair Kit - Mueller Kit #280357			4		
316	Fire Hydrant Repair Kit - M & H Style 129 Kit #557999			4		
GROUP 3 TOTAL						

GROUP 4		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
401	18" Valve Box 461S			25		
402	24" Valve Box 562S			25		
403	2" x 1" Tapping Saddle for PVC			10		
404	2" x 6" Tapping Saddle for Ductile Iron Ford F202 Series			5		
405	2" x 6" Tapping Saddle for PVC Smith Blair 238-066312-015			10		
406	2" x 8" Tapping Saddle for Ductile Iron Ford F202 Series			10		
407	2" x 8" Tapping Saddle for PVC Smith Blair 238-086312-015			10		
408	2" x 3/4" Tapping Saddle for PVC - Ford S70-203			10		
409	3" x 3/4" Tapping Saddle for PVC Ford S70-303			10		
410	6" x 3/4" Tapping Saddle for PVC Ford S70-603			10		
411	8" x 3/4" Tapping Saddle for PVC - Ford S70-803			10		
412	2" x 1" Tapping Saddle for PVC - Ford S70-204			10		
413	3" x 1" Tapping Saddle for PVC - Ford S70-304			10		
414	4" x 1" Tapping Saddle for PVC - Ford S70-404			10		

GROUP 4		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
415	6" x 1" Tapping Saddle for PVC - Ford S70-604			10		
416	8" x 1" Tapping Saddle for PVC - Ford S70-804			10		
417	4" Mechanical Joint Accessory Packs for Ductile Iron Pipe			30		
418	6" Mechanical Joint Accessory Packs for Ductile Iron Pipe			30		
419	8" Mechanical Joint Accessory Packs for Ductile Iron Pipe			30		
420	10" Mechanical Joint Accessory Packs for Ductile Iron Pipe			10		
421	12" Mechanical Joint Accessory Packs for Ductile Iron Pipe			10		
422	14" Mechanical Joint Accessory Packs for Ductile Iron Pipe			6		
423	16" Mechanical Joint Accessory Packs for Ductile Iron Pipe			6		
424	20" Mechanical Joint Accessory Packs for Ductile Iron Pipe			4		
425	24" Mechanical Joint Accessory Packs for Ductile Iron Pipe			4		
426	30" Mechanical Joint Accessory Packs for Ductile Iron Pipe			4		
427	36" Mechanical Joint Accessory Packs for Ductile Iron Pipe			2		
428	42" Mechanical Joint Accessory Packs for Ductile Iron Pipe			2		

GROUP 4		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
429	4" Megalug Accessory Packs for Ductile Iron			10		
430	6" Megalug Accessory Packs for Ductile Iron			10		
431	8" Megalug Accessory Packs for Ductile Iron			10		
432	10" Megalug Accessory Packs for Ductile Iron			10		
433	12" Megalug Accessory Packs for Ductile Iron			10		
434	14" Megalug Accessory Packs for Ductile Iron			4		
435	16" Megalug Accessory Packs for Ductile Iron			4		
436	20" Megalug Accessory Packs for Ductile Iron			4		
437	24" Megalug Accessory Packs for Ductile Iron			4		
438	30" Megalug Accessory Packs for Ductile Iron			4		
439	36" Megalug Accessory Packs for Ductile Iron			4		
440	42" Megalug Accessory Packs for Ductile Iron			2		
441	3" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			50		
442	4" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			120		

GROUP 4		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
443	6" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			120		
444	8" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			200		
445	10" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			40		
446	12" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			40		
447	14" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			40		
448	16" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			40		
449	20" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			40		
450	24" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			40		
451	30" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			40		
452	36" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			20		
453	42" Ductile Iron Pipe Pressure Class 350 Slip Joint, per foot			20		
454	8" Restrained Joint Ductile Iron Pipe; Pressure Class 350, per foot			100		
455	10" Restrained Joint Ductile Iron Pipe; Pressure Class 350, per foot			100		
456	12" Restrained Joint Ductile Iron Pipe; Pressure Class 350, per foot			100		

GROUP 4		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
457	14" Restrained Joint Ductile Iron Pipe; Pressure Class 350, per foot			100		
458	4" Mechanical Joint Compact Long Sleeve Ductile Iron			16		
459	6" Mechanical Joint Compact Long Sleeve Ductile Iron			16		
460	8" Mechanical Joint Compact Long Sleeve Ductile Iron			16		
461	10" Mechanical Joint Compact Long Sleeve Ductile Iron			10		
462	12" Mechanical Joint Compact Long Sleeve Ductile Iron			10		
463	14" Mechanical Joint Compact Long Sleeve Ductile Iron			4		
464	16" Mechanical Joint Compact Long Sleeve Ductile Iron			4		
465	20" Mechanical Joint Compact Long Sleeve Ductile Iron			4		
466	24" Mechanical Joint Compact Long Sleeve Ductile Iron			4		
467	30" Mechanical Joint Compact Long Sleeve Ductile Iron			4		
468	36" Mechanical Joint Compact Long Sleeve Ductile Iron			2		
469	42" Mechanical Joint Compact Long Sleeve Ductile Iron			1		
470	6" Mechanical Joint C153 90 Degree Bend			10		

GROUP 4		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
471	4"-12" Ductile Iron MJ Fittings (Not Listed Above), C153, less accessories per pound			750 lbs		
472	14"-24" Ductile Iron MJ Fittings (Not Listed Above), C153, less accessories per pound			1,000 lbs		
473	30"-42" Ductile Iron MJ Fittings (Not Listed Above), C110, less accessories per pound			2,500 lbs		
474	4" Mechanical Joint x IPS Transition Gaskets			30		
475	6" Mechanical Joint x IPS Transition Gaskets			30		
476	8" Mechanical Joint x IPS Transition Gaskets			30		
477	10" Mechanical Joint x IPS Transition Gaskets			10		
478	12" Mechanical Joint x IPS Transition Gaskets			10		
479	14" Mechanical Joint x IPS Transition Gaskets			6		
480	16" Mechanical Joint x IPS Transition Gaskets			6		
481	4" Repair Clamps, Ford Style FS1 15" Length			8		
482	6" Repair Clamps, Ford Style FS1 15" Length			8		
483	8" Repair Clamps, Ford Style FS2 20" Length			10		
484	10" Repair Clamps, Ford Style FS2 20" Length			2		

GROUP 4		VENDOR NAME:				
Bid Item#	Bid Item Description	MAKE OR MANUFACTURER	MODEL #	ESTIMATED ANNUAL QUANTITY NEEDED	PRICE EACH DELIVERED, \$	EXTENDED TOTAL, \$
485	12" Repair Clamps, Ford Style FS2 20" Length			4		
486	14" Repair Clamps, Ford Style FS2 20" Length			2		
487	16" Repair Clamps, Ford Style FS2 20" Length			2		
488	20" Repair Clamps, Ford Style FS3 20" Length			2		
489	24" Repair Clamps, Ford Style FS3 20" Length			2		
490	30" Repair Clamps, Ford FS3 Style 36" Length			1		
491	36" Repair Clamps, Ford FS3 Style 36" Length			1		
492	42" Repair Clamps, Ford FS3 Style 36" Length			1		
493	2" Knock on Hubs (Plastic)			50		
494	3" Knock on Hubs (Plastic)			12		
495	4" Knock on Hubs (Plastic)			30		
496	6" Knock on Hubs Harco D3139-SDR21 PVC 11G1, or Equal			50		
GROUP 4 TOTAL						

GROUP 5	VENDOR NAME:
Bid Item	% Discount off of List Price
PVC Fittings (Sch. 40 & 80) not on other bids	
PVC Valves (Sch. 40 & 80) Including Viton Seats	
Pex Fittings	
Miscellaneous Water/Wastewater Catalog Items	
Hand Tools	
Power Tools	

BID SPECIFICATIONS FOR WATER FITTINGS AND ACCESSORIES

- I. All brass fittings must meet the "Reduction of Lead in Drinking Water Act" of January 4, 2011 as follows:
 - a. Not containing more than 0.2% lead when used in respect to solder and flux.
 - b. Not more than a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings and fixtures.
- II. All manufacturers and models listed in each group are the standard of quality for each item. "Or Equals" shall be determined by Shelby County Water Services based on the available information and any past experiences by Shelby County Water Services' personnel. Any vendor wishing to submit "Or Equal" items must submit product information with bid. They must also list any exceptions with the listed item in a separate document.
- III. Gaskets used for MJ accessory packs, MJ x IPS transition gaskets, and Megalug accessory packs shall be manufactured in the USA and shall be made from Styrene Butadiene Copolymer (SBR). Gaskets shall be manufactured by Specification Rubber Products, Inc., or Equal.
- IV. Restrained joint pipe shall be Ductile Iron manufactured in accordance with the requirements of ANSI/ AWWA C151/A21.51. Push-on joints for such pipe shall be in accordance with ANSI/AWWA C111/A21.11 "Rubber-Gasket Joints for Ductile-Iron Pipe and Fittings." Pipe thickness shall be designed in accordance with ANSI/AWWA C150/A21.50 "Thickness Design of Ductile-Iron Pressure Pipe," and shall be based on laying conditions and internal pressures. Cement mortar lining and seal coating for pipe and fittings, where applicable, shall be in accordance with ANSI/AWWA C104/A21.4. Asphaltic outside coating shall be in accordance with ANSI/AWWA C151/A21.51 for pipe and ANSI/AWWA C110/A21.10 or ANSI/AWWA C153/A21.53 for fittings. Restrained push-on joints for pipe and fittings shall be designed for a water working pressure of 350 psi for sizes 4" through 24" and 250 psi for sizes 30" through 42". Restrained joint pipe shall be:
 - a. TR Flex as manufactured by US Pipe
 - b. Flex-Ring as manufactured by American Cast Iron Pipe Company
 - c. Or Equal as determined by Shelby County Water Services
- V. PEX Water Service Lines shall be manufactured using the high-pressure method of crosslinking. Pipe shall be certified to AWWA C 904 *Cross-linked Polyethylene (PEX) Pressure Pipe, 1/2 in. (12 mm) Through 3 in. (76 mm), for Water Service* by approved testing agency. In addition, pipe shall be certified to standards ASTM F876, CSA B137.5, NSF 14 and NSF 61, by approved testing agencies, with a standard materials designation code of 3306. Pipe shall demonstrate ability to

satisfy the performance requirements of section F.7 of PPI TR-3 of PE materials in order to apply a 0.63 design factor resulting in a temperature/pressure rating of 200 psi @ 73.4°F (1380 kPa @ 23°C). Pipe shall be rated for:

- a. 160 psi @ 73.4°F (1103 kPa @ 23°C)
- b. 100 psi @ 180°F (690 kPa @ 82°C) per PPI TR-4

Pipe shall have a co-extruded UV Shield made from UV-resistant high-density polyethylene, color Blue. Pipe shall have minimum recommended UV exposure time of one (1) year when tested in accordance with ASTM F2657, or as per manufacturer's recommendations. Pipe shall be compatible with cold-expansion compression-sleeve fittings certified to ASTM F2080 for installations as cold as -40°F (-40°C). Pipe shall be approved for use with AWWA C800 fittings when using manufacturer's recommended insert. Pipe shall be approved by manufacturer for use with manual plastic pipe squeeze-off tools for temporary stoppage of flow. Pipe shall be approved by manufacturer to be repaired using hot air, if kinked in the field. Pipe shall have the minimum markings: PEXa 3306, CSA B137.5, ASTM F876, F2023 and F2080, NSF-pw-g. Pipe shall carry the following markings every three (3) feet (0.9 meters): Manufacturer's name and trademark, nominal size, PEXa 3306 (material designation code) SDR9 (standard dimension ratio), POTABLE TUBING, AWWA C904, ASTM F876/ F2023 / F2080, CSA B137.5, NSF-pw-g, U.P. Code 160psi/73°F 100psi/180°F 200psi/73°F at 0.63 Design Factor, manufacturing date and footage mark. PEXa shall be:

- a. MUNICIPEX as manufactured by REHAU Construction, LLC.
- b. Or Approved Equal by Shelby County Water Services

VI. Meter Box and lid designed to support 20,000 lb. vertical loads, in accordance with ASSHTO loading process requirements, shall meet the following requirements.

- Meter boxes shall be produced using LLD Polyethylene regrind and virgin resins in a series of laminated walls using a 3 step ROTATIONAL MOLDING process.
 - The outer wall will be formed against an aluminum mold and laminated to the porous (foamed) center wall which shall be laminated to a smooth bright white interior wall.
 - The combined wall thickness shall be ½ inch minimum.
- The meter box shall have an integral flat settling plate (flange) around the base, sufficient to prevent settling when installed in accordance with approved installation methods.
- The meter box shall meet the dimensions from the product listed as the standard of quality below.
- The meter box shall have a pipe cut out 4" in diameter.

- The meter box lid shall be made using injection molding process.
- The meter box lid shall be made with 100% virgin No-Break polymer for consistency in material and quality.
- The meter box lid material density shall be 0.935 to 0.941 g/cc.
- The meter box lid shall meet ADA slip restraint coefficient requirements.
- The meter box lid shall have a 2" thru hole and a recess for Badger transmitters.

The manufacturer and box type that will be standard of quality for this item is a Sigma RMB 132412-NSW (Box) and N1324BLKWAT-TS (Lid). Approved Equals will be determined by Shelby County Water Services based on this standard of quality.

- VII. Group 5 shall be a minimum discount percentage applied to the current list price from the proposed supplier submitted as part of the bid for the different categories listed in the bid items.