

BID #WG20-15 ROADWAY PIPE SPECIFICATIONS
PIPE, CONCRETE - CIRCULAR & ARCH

Roadway and/or side drain pipe shall be in accordance with the "Latest Edition of the Alabama Department of Transportation Specifications for Highway Construction for Roads and Bridges, Section 850."

Manufacturer shall furnish test reports when requested.

Prices per linear foot shall be submitted for circular and arch shapes for standard manufactured sizes. Prices per linear foot shall also be submitted for Beveled End Sections for Circular and Arch shapes for standard.

Prices shall include all costs, including freight and delivered to various locations within Baldwin County as directed when pipe is ordered.

Bidders shall also submit prices to include all costs, excluding freight, and shall be for less than truck load quantities F.O.B. County vehicle at bidder's supply location. Specify supply location.

Prices bid shall be applicable for material to be ordered for a **one (1) calendar year**. Calendar year will begin the day of bid award.

Prices bid shall be per linear foot. Prices bid shall be quoted with Gaskets and POPITS, (one per lifting eye).

Bidders to provide beveled ends as either cut or scored at no extra charge. (Typical slopes of 2:1, 3:1, 4:1, horizontal to vertical).

It is the intent of the Commission to award to one (1) bidder for each group/category.

A BID GUARANTEE OF \$500.00 WILL BE INCLUDED WITH THE BID.

BID #WG20-15 RESPONSE FORM
Pipe, Concrete - Circular & Arch

Date:_____

Company Name_____

Address_____

Phone Number () _____

Fax Number () _____

Authorized Signature_____

(please print or type Name)

Position_____

Supply Location_____

BID #WG20-15 RESPONSE FORM
Pipe, Concrete - Circular & Arch

Please include this completed form with your list of sizes and prices bid.

Description	Delivered	Picked Up
15" RCP C-3	_____	_____
15" BEVELED END SECTION	_____	_____
18" RCP C-3	_____	_____
18" BEVELED END SECTION	_____	_____
21" RCP C-3	_____	_____
24" RCP C-3	_____	_____
24" BEVELED END SECTION	_____	_____
27" RCP C-3	_____	_____
30" RCP C-3	_____	_____
30" BEVELED END SECTION	_____	_____
36" RCP C-3	_____	_____
36" BEVELED END SECTION	_____	_____
42" RCP C-3	_____	_____
48" RCP C-3	_____	_____
54" RCP C-3	_____	_____
60" RCP C-3	_____	_____
66" RCP C-3	_____	_____
72" RCP C-3	_____	_____
84" RCP C-3	_____	_____
96" RCP C-3	_____	_____
18"x11" RCP C-3 ARCH	_____	_____
18"X11" BEVELED END SECTION	_____	_____
22"X13" RCP C-3 ARCH	_____	_____
22"X13 BEVELED END SECTION	_____	_____
29"X18" RCP C-3 ARCH	_____	_____
29"x18" BEVELED END SECTION	_____	_____
36"x23" RCP C-3 ARCH	_____	_____
36"X23" BEVELED END SECTION	_____	_____
44"x27" RCP C-3 ARCH	_____	_____
44"X27" BEVELED END SECTION	_____	_____
51"x31" RCP C-3 ARCH	_____	_____
58" X 36" RCP C-3 ARCH	_____	_____
65" X40" RCP C-3 ARCH	_____	_____
73"X45" RCP C-3 ARCH	_____	_____
88"X54" RCP C-3 ARCH	_____	_____

BID #WG20-15 ROADWAY PIPE SPECIFICATIONS

HIGH DENSITY POLYETHYLENE CORRUGATED PIPE

Manufacturer shall furnish test reports upon request of the County Engineer or his designated representative.

Pipe shall include all costs, including freight, and shall be quoted per foot of pipe, delivered to Baldwin County. Each pipe shall contain one (1) coupling which will be included in the price of the pipe.

Pipe shall also be quoted excluding freight and shall be quoted per foot of pipe, picked up by Baldwin County from the supply location. Specify supply location. Each pipe will contain one (1) coupling which will be included in the price of pipe.

The use of specific names and numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer's, but is solely for the purpose of indicating the type, size and quality of equipment considered best adapted to Baldwin County.

Prices bid shall be applicable for material to be ordered for a **one (1) calendar year**. Calendar year will begin the day of bid award.

It is the intent of the Commission to award to one (1) bidder for each group/category.

A BID GUARANTEE OF \$500.00 WILL BE INCLUDED WITH THE BID.

This specification applies to high density polyethylene corrugated pipe with an integrally formed smooth waterway. Nominal sizes for which this specification is applicable are 4-48-inch diameter. Sizes 4-36 inch (n-12) shall have a full circular cross-section, with an outer corrugated pipe wall and an essentially smooth inner wall (waterway). Corrugations for these sizes may be either annular or spiral. Sizes 42 and 48 inch (n12 HC) shall consist of an essentially smooth waterway braced circumferentially with circular ribs which are formed simultaneously with an essentially smooth outer wall. All sizes shall conform to the ASSHTO classification "Type S" (which describes pipe with a smooth waterway).

All pipe joints are to be 20 feet long unless indicated otherwise by the County Engineer or his designated representative. In the event that the pipe must be less than 20 feet then it shall be cut by the supplier at no extra charge.

Pipe manufactured for these specifications shall comply with the requirements for test methods, dimensions, and markings found in ASSHTO designation M252 and M294*. Pipe and fittings shall be made from virgin PE compounds which conform with the requirements of cell class 324420C as defined and described in ASTM D3350.

High density corrugated polyethylene plastic pipe with an integral smooth interior wall meeting AASHTO M294 Type S.

The minimum paralleled plate stiffness values when tested in accordance with ASTM D2412 shall be as follows:

Bid #WG20-15 ROADWAY PIPE SPECIFICATIONS**HDPE Pipe**

DIAMETER	PIPE STIFFNESS
4" (100 mm)	50 psi (340 kPa)
6" (150 mm)	50 psi (340 kPa)
8" (200 mm)	50 psi (340 kPa)
10" (250 mm)	50 psi (340 kPa)
12" (300 mm)	50 psi (340 kPa)
15" (250 mm)	42 psi (290 kPa)
18" (450 mm)	34 psi (240 kPa)
24" (600 mm)	34 psi (240 kPa)
30" (750 mm)	28 psi (200 kPa)
36" (900 mm)	22 psi (150 kPa)
42" (1050 mm)	19 psi (140 kPa)
48" (1200 mm)	17 psi (120 kPa)

The fittings shall not reduce or impair the overall integrity or function of the pipe line. Fittings may be either molded or fabricated. Common corrugated fittings include in-line joint fittings, such as couplers and reducers, and branch or complimentary assembly fittings such as tees, wyes, and end caps. These fittings may be installed by various methods, such as snap-on, screw-on, bell and spigot, and wrap around. Couplings shall provide sufficient longitudinal strength to preserve pipe alignment and prevent separation at the joints. Only fittings supplied or recommended by the pipe manufacturer shall be used. Where designated on the plans, a neoprene or rubber gasket shall be supplied.

Couplings must provide for covering at least two (2) corrugations on either side of connecting sections.

Installation of the pipe specified above shall be in accordance with ASTM recommended practice D2321 as covered elsewhere in these specifications.

BID #WG20-15 RESPONSE FORM

Polyethylene Pipe

Date: _____

Out of State _____ or _____ If yes,
Yes No Registration Number

Company Name: _____

Address: _____

Company Rep _____

(Rep. Name Typed or Printed)

Position: _____

Phone: _____

Fax: _____

Financing through another agency beside yourself _____ or _____
Yes No

If yes, must attach a copy of the financing agreement and all conditions to this response from.

Financing Agency Authorized Signature**Please include this completed form with your list of sizes and prices bid.**

Pipe Dia. Size	Delivered To County	Picked Up By County
4"	\$ _____	\$ _____
6"	\$ _____	\$ _____
8"	\$ _____	\$ _____
10"	\$ _____	\$ _____
12"	\$ _____	\$ _____
15"	\$ _____	\$ _____
18"	\$ _____	\$ _____
24"	\$ _____	\$ _____
30"	\$ _____	\$ _____
36"	\$ _____	\$ _____
42"	\$ _____	\$ _____
48"	\$ _____	\$ _____

BID #WG20-15 ROADWAY PIPE SPECIFICATIONS
HIGH PERFORMANCE POLYPROPYLENE PIPE (PP)

Manufacturer shall furnish test reports upon request of the County Engineer or his designated representative.

Pipe shall include all costs, including freight, and shall be quoted per foot of pipe, delivered to Baldwin County.

Pipe shall also be quoted excluding freight and shall be quoted per foot of pipe, picked up by Baldwin County from the supply location. Specify supply location.

The use of specific names and numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer's, but is solely for the purpose of indicating the type, size and quality of equipment considered best adapted to Baldwin County.

Prices bid shall be applicable for material to be ordered for a **one (1) calendar year**. Calendar year will begin the day of bid award.

It is the intent of the Commission to award to one (1) bidder for each group/category.

A BID GUARANTEE OF \$500.00 WILL BE INCLUDED WITH THE BID.

This specification applies to **High Performance Polypropylene Pipe (PP)** with a smooth interior and annular exterior corrugations. Nominal sizes for which this specification is applicable are 12-60-inch diameter. PP pipes shall meet the requirements of AASHTO M 330 and the latest addition of the **ALDOT Standard Specifications for Highway Construction**.

All pipes shall have a gasketed integral bell & spigot joint included.

All pipe joints are to be 20 feet long unless indicated otherwise by the County Engineer or his designated representative. In the event that the pipe must be less than 20 feet then it shall be cut by the supplier at no extra charge.

BID #WG20-15 RESPONSE FORM

High Performance Polypropylene

Date: _____

Out of State _____ or _____ If yes,
Yes No Registration Number

Company Name: _____

Address: _____

Company Rep _____

(Rep. Name Typed or Printed)

Position: _____

Phone: _____

Fax: _____

Financing through another agency beside yourself _____ or _____
Yes No

If yes, must attach a copy of the financing agreement and all conditions to this response from.

Financing Agency Authorized Signature**Please include this completed form with your list of sizes and prices bid.**

Pipe Dia. Size	Delivered To County	Picked Up By County
12"	\$ _____	\$ _____
15"	\$ _____	\$ _____
18"	\$ _____	\$ _____
24"	\$ _____	\$ _____
30"	\$ _____	\$ _____
36"	\$ _____	\$ _____
42"	\$ _____	\$ _____
48"	\$ _____	\$ _____
60"	\$ _____	\$ _____

BID #WG20-15 ROADWAY PIPE SPECIFICATIONS

PIPE - CORRUGATED ROUND AND ARCH BITUMINOUS COATED (METAL)

Roadway and/or side drain pipe shall be in accordance with Section 850.02 of Alabama Highway Department Standard Specifications for Roads and Bridges.

Manufacturer shall furnish test reports when requested.

Prices shall be submitted for both round and arch pipe, Bituminous coated in standard manufacturer sizes plus bands.

Prices shall include all costs, including freight, and shall be for truck load quantities delivered to various locations within Baldwin County as directed when pipe is ordered. Specify total pounds per truck load.

Also, prices shall include all costs, excluding freight, and shall be for less than truck load quantities F.O.B. County vehicle at bidder's supply location. Specify supply location.

Prices bid shall be applicable for material to be ordered for a **one (1) calendar year**. Calendar year will begin the day of bid award.

It is the intent of the Commission to award to one (1) bidder for each group/category.

A BID GUARANTEE OF \$500.00 WILL BE INCLUDED WITH THE BID.

BID #WG20-15 RESPONSE FORM

Pipe - Corrugated Round and Arch Bituminous Coated (Metal)

Date: _____

Company Name _____

Address _____

Phone Number () _____

Fax Number () _____

Authorized Signature _____

(please print or type Name)

Position _____

Supply Location _____

Please include this completed form with your list of sizes and prices bid.

BID #WG20-15 ROADWAY PIPE**Pipe – Corrugated Round & Arch Bituminous Coated (Metal)
Bid Response****Corrugated Metal Culvert Pipe (2.66")**

Diameter	Gage	Picked up Amount	Delivered Amount
6"	16	_____	_____
8"	16	_____	_____
10"	16	_____	_____
12"	16	_____	_____
15"	16	_____	_____
18"	16	_____	_____
21"	16	_____	_____
24"	16	_____	_____
30"	16	_____	_____
36"	16	_____	_____
42"	16	_____	_____
48"	16	_____	_____
15"	14	_____	_____
18"	14	_____	_____
21"	14	_____	_____
24"	14	_____	_____
30"	14	_____	_____
36"	14	_____	_____
42"	14	_____	_____
48"	14	_____	_____
54"	14	_____	_____
21"	12	_____	_____
24"	12	_____	_____
30"	12	_____	_____
36"	12	_____	_____
42"	12	_____	_____
48"	12	_____	_____
54"	12	_____	_____
60"	12	_____	_____
66"	12	_____	_____
72"	12	_____	_____
78"	12	_____	_____
36"	10	_____	_____
42"	10	_____	_____
48"	10	_____	_____
54"	10	_____	_____
60"	10	_____	_____

66"	10	_____	_____
72"	10	_____	_____
78"	10	_____	_____
84"	10	_____	_____
90"	10	_____	_____
96"	10	_____	_____

48"	8	_____	_____
54"	8	_____	_____
60"	8	_____	_____
66"	8	_____	_____
72"	8	_____	_____
78"	8	_____	_____
84"	8	_____	_____
90"	8	_____	_____
96"	8	_____	_____

Size	Gage	Picked up Amount	Delivered Amount
17x13	16	_____	_____
21x15	16	_____	_____
24x18	16	_____	_____
28x20	16	_____	_____
35x24	16	_____	_____
42x29	16	_____	_____
49x33	16	_____	_____
57x38	16	_____	_____

17x13	14	_____	_____
21x15	14	_____	_____
24x18	14	_____	_____
28x20	14	_____	_____
35x24	14	_____	_____
42x29	14	_____	_____
49x33	14	_____	_____
57x38	14	_____	_____
64x43	14	_____	_____

24x18	12	_____	_____
28x20	12	_____	_____
35x24	12	_____	_____
42x29	12	_____	_____
49x33	12	_____	_____
57x38	12	_____	_____
64x43	12	_____	_____
71x47	12	_____	_____
77x52	12	_____	_____

42x29	10	_____	_____
49x33	10	_____	_____
57x38	10	_____	_____
64x43	10	_____	_____
71x47	10	_____	_____
77x52	10	_____	_____
83x57	10	_____	_____

57x38	8	_____	_____
64x43	8	_____	_____
71x47	8	_____	_____
77x52	8	_____	_____
83x57	8	_____	_____

Corrugated Metal Culvert Pipe (5"x1" Corrugation)

Diameter	Gage	Picked up Amount	Delivered Amount
36"	16	_____	_____
42"	16	_____	_____
48"	16	_____	_____
54"	16	_____	_____
60"	16	_____	_____
66"	16	_____	_____
72"	16	_____	_____
78"	16	_____	_____
84"	16	_____	_____
96"	16	_____	_____

36"	14	_____	_____
42"	14	_____	_____
48"	14	_____	_____
54"	14	_____	_____
60"	14	_____	_____
66"	14	_____	_____
72"	14	_____	_____
78"	14	_____	_____
84"	14	_____	_____
90"	14	_____	_____
96"	14	_____	_____

36"	12	_____	_____
42"	12	_____	_____
48"	12	_____	_____
54"	12	_____	_____
60"	12	_____	_____

66"	12	_____	_____
72"	12	_____	_____
78"	12	_____	_____
84"	12	_____	_____
90"	12	_____	_____
96"	12	_____	_____
102"	12	_____	_____
108"	12	_____	_____
114"	12	_____	_____
120"	12	_____	_____

48"	10	_____	_____
54"	10	_____	_____
60"	10	_____	_____
66"	10	_____	_____
72"	10	_____	_____
78"	10	_____	_____
84"	10	_____	_____
90"	10	_____	_____
96"	10	_____	_____
102"	10	_____	_____
108"	10	_____	_____
114"	10	_____	_____
120"	10	_____	_____
126"	10	_____	_____
132"	10	_____	_____
138"	10	_____	_____
144"	10	_____	_____

60"	8	_____	_____
66"	8	_____	_____
72"	8	_____	_____
78"	8	_____	_____
84"	8	_____	_____
90"	8	_____	_____
96"	8	_____	_____
102"	8	_____	_____
108"	8	_____	_____
114"	8	_____	_____
120"	8	_____	_____

Corrugated Metal Culvert Pipe (5"x1" Corrugation)

Size	Gage	Picked up Amount	Delivered Amount
40x31	16	_____	_____
46x36	16	_____	_____
53x41	16	_____	_____
60x46	16	_____	_____
66x51	16	_____	_____
73x55	16	_____	_____
81x59	16	_____	_____
87x63	16	_____	_____
95x64	16	_____	_____
103x71	16	_____	_____
112x75	16	_____	_____
40x31	14	_____	_____
46x36	14	_____	_____
53x41	14	_____	_____
60x46	14	_____	_____
66x51	14	_____	_____
73x55	14	_____	_____
81x59	14	_____	_____
87x63	14	_____	_____
95x64	14	_____	_____
103x71	14	_____	_____
112x75	14	_____	_____
53x41	12	_____	_____
60x46	12	_____	_____
66x51	12	_____	_____
73x55	12	_____	_____
81x59	12	_____	_____
87x63	12	_____	_____
95x64	12	_____	_____
103x71	12	_____	_____
112x75	12	_____	_____
117x79	12	_____	_____
128x83	12	_____	_____
137x87	12	_____	_____
142x91	12	_____	_____
81x59	10	_____	_____
87x63	10	_____	_____
95x64	10	_____	_____
103x71	10	_____	_____
112x75	10	_____	_____

117x79	10	_____	_____
128x83	10	_____	_____
137x87	10	_____	_____
142x91	10	_____	_____
66x51	8	_____	_____
73x55	8	_____	_____
81x59	8	_____	_____
87x63	8	_____	_____
95x64	8	_____	_____
103x71	8	_____	_____
112x75	8	_____	_____
117x79	8	_____	_____
128x83	8	_____	_____
137x87	8	_____	_____
142x91	8	_____	_____