**SPECIFICATION SHEET**

**CULVERTS MATERIALS**

This bidder from whom culvert products are being purchased shall provide written notice to the County of any change in price at least five (5) business days in advance. Upon receipt of written notice, Montgomery County shall request current price quotes in writing from all responsible and responsive offers. Montgomery County will record all quotes. This quote should be mailed certified to the Montgomery County Government Center, 1580 Constitution Row Ste A, Crawfordsville IN 47933.

All bids must be made upon Revised (1987) Form No. 95 (prescribed by the State Board of Accounts), which with the Forms of Proposal and Non-Collusion Affidavit attached thereto must be duly executed and sworn to. Bids must in all ways comply with the laws of the State of Indiana.

All bids returned must have a notarized Form NEP-3, Contractor's Nepotism Policy Compliance Affidavit.

All bids will be awarded to the most responsive and responsible bidder. The Montgomery County Board of Commissioners reserves the right to reject any and all bids if it determines it is in the County’s best interest to do so and to waive any informality in bidding.

Bidders shall make available to the County a confidential copy of the retrade price on the day of delivery to substantiate base price. Prices must be received by the County one day prior to delivery.

Montgomery County may test product delivered through an independent laboratory and will compare with specification submitted with bid. Any loads delivered which fail to meet specifications or certified standard analysis shall be removed and replaced by the supplier at no cost to Montgomery County.

Any portion of the bid, which will or may be subcontracted, shall be specified including the name of the subcontractor.

Bidder shall submit unit prices FOB as designated in Montgomery County. Materials to be included in the line or class are: galvanized-aluminized hardware, galvanized and aluminized pipes, bands and other metal culvert materials. Corrugated Metal Culvert Pipe and other Drainage Products. Delivery time and availability of material to be listed and considered as a part of bid.

**EACH BIDDER MUST SPECIFY ON THE OUTSIDE OF THE ENVELOPE, WHICH ITEM IS BEING BID.**

**All Deliveries must be made via State Road 47 N to Memorial Drive .**

**SPECIFICATION SHEET**

**Precast Concrete Box Culverts**

**SPECIFICATION FOR PRECAST CONCRETE BOX CULVERTS**

Box Culverts (for twenty (20) or less):

Precast concrete box culverts consisting of various sizes, for highway use designed in accordance with HS-20 loading or as specified by the Montgomery County Engineering Department. All prices quoted to be FOB job site Montgomery County.

**EACH BIDDER MUST SPECIFY ON THE OUTSIDE OF THE ENVELOPE, WHICH ITEM IS BEING BID.**

**SPECIFICATION SHEET**

**Corrugated Metal Culvert Pipe and Other Drainage Products**

1. 9,000 FT OR LESS CORRUGATED METAL CULVERT PIPE, *W'* X 2 2/3" CORRUGATIONS, SPIRAL, RIVETED, GALVANIZED STEEL, BITUMINOUS COATED, ALUMINIZED TYPE II AND PLASTICOTE. QUOTE UNIT PRICES PER LINEAR FOOT ON SIZES TO INCLUDE 8" THRU 96" DIAMETER, AND ARCH SIZES 17" X 13" THRU 112" X 75". DRAINAGE ITEMS SHALL BE FABRICATED FROM COPPER BEARING STEEL. SHEET MANUFACTURER CERTIFICATIONS MUST ACCOMPNANY BID. LAPPED LONGITUDINAL AND CIRCUMFERENTIAL SEAMS MUST BE FACTORY RIVETED. ALSO STRUCTUAL PLATE PIPE, PIPE ARCHES, AND ARCHES BOTH STEEL AND ALUMINUM, QUOTE UNIT PRICES PER LINEAR FOOT ASSEMBLED/UNASSEMBLED AND DELIVERED AS DESIGNATED WITH SAID COUNTY.
2. 600 FT OR LESS ALUMINUM BOX CULVERT, ASSEMBLED/UNASSEMBLED DELIVERED TO JOBSITE.
3. 6,000 FT OR LESS HIGH DENSITY POLYETHYLENE CULVERT PIPE 12" THRU 60" DIAMETER. ALL POLYETHYLENE PIPES MUST HAVE A SMOOTH INTERIOR. NON PRESSURE STORM SEWER APLLICATIONS.  (1\*)

ITEM NO. A, B, AND C SHALL BE CONSIDERED AS A UNIT, WITH BID TO BE COMPLETE FOR ALL ITEMS, MATERIAL TO BE DELIVERED AND UNLOADED AS SPECIFIED BY COUNTY ENGINEERING DEPARTMENT. QUOTE NET PRICES ONLY. NO DISCOUNTS.

DELIVERY TIME AND AVAILABILITY OF MATERIAL TO BE LISTED AND CONSIDERED AS A PART OF BID.

ALL MATERIALS MUST MEET ALL FEDERAL & INDIANA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

**EACH BIDDER MUST SPECIFY ON THE OUTSIDE OF THE ENVELOPE, WHICH ITEM IS BEING BID.**

\*l.) Pipe shall meet the requirements of AASHTO M294 Type S. The pipe shall have a smooth interior and annular corrugated exterior. Manning's "n" value for use in design shall not exceed 0.010. Minimum pipe stiffness shall be 16 pii for 54-inch and 14 pii for 60-inch. Pipe shall be joined with a bell coupler. Gaskets shall be installed in the bell by the pipe manufacturer. The coupler shall be attached to one end of each length of pipe and meet silt tight requirements. Pipe material shall be high density polyethylene meeting the requirements of ASTM D3350 Cell Classification 324450C; or ASTM D1248 Type III, Class 4, Grade P33.

Installation shall be in accordance with ASTM D2321 with the exception that minimum cover in trafficked areas shall be one foot.