

**ARKANSAS STATE HIGHWAY COMMISSION
ArDOT - EQUIPMENT AND PROCUREMENT DIVISION
BID INVITATION**

Contract Number: H-18-214J

BID OPENING LOCATION: ArDOT Equipment & Procurement Division 11302 West Baseline Road Little Rock, AR 72209	MAIL TO: ArDOT Equipment and Procurement Division P.O. Box 2261 Little Rock, AR 72203	DELIVER TO: ArDOT Equipment & Procurement Division 11302 West Baseline Road Little Rock, AR 72209
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Bid Opening Date: November 7, 2017 Time: 11:00 a.m.

Sealed bids for furnishing the commodities and/or services described below, subject to the Standard Bid Conditions of this bid invitation will be received at the above-noted mail and delivery locations until the above-noted bid opening date and time, and then publicly opened at the above-noted bid opening location. **Bids must be submitted on this form, with attachments when appropriate, or bids will be rejected. Late bids and unsigned bids will not be considered.**

In compliance with this Bid Invitation and subject to all the Conditions thereof, the undersigned offers and agrees to furnish any and all items upon which prices are quoted, at the price set opposite each item.

Company Name: _____

Name (Type or Print): _____

Address: _____

Title: _____

Phone: _____ Fax: _____

City: _____ State: _____ Zip: _____

E-mail Address: _____

Federal Tax ID or Social Security No.: _____

Signature: _____

Signature must be legible, original (not photocopied) and in ink.
Unsigned bids will be rejected.

Item No.	Description
	<p>Supply Contract for furnishing to the Arkansas Department of Transportation (hereafter called "ArDOT") <u>Corrugated Pipe Culvert</u> at pricing set forth on the attached Bid Form for the period beginning January 1, 2018 thru June 30, 2018.</p> <p><u>FOB</u> – Statewide</p> <p>The Bid Invitation, Bid Form and Bid Information are parts of the contract and by this reference are incorporated herein as fully and effectively as if set forth in detail herein.</p> <p>It shall be understood that by submission of bid that bidder agrees to the conditions herein specified and, if bid is found acceptable by ArDOT either in whole or in part, shall consider this bid a contract agreement bound under these conditions. The parties hereto agree that this contract in all things shall be governed by the Laws of the State of Arkansas.</p> <p>All bidders should complete and return the Eligible Bidder Certification (Attachment A) and Disclosure Form (see Page 2 of Standard Bid Conditions – Item 18) issued with this bid. A current copy of the DFA Illegal Immigrant Contractor Disclosure Certification (see Page 2 of Standard Bid Conditions – Item 17) should also be submitted with bid. These forms are kept on file and remain current for one year from date of submission. Forms do not need to be submitted again, during that time, unless there is a status change.</p> <p>Bid Bond in the amount of \$500.00 required of all bidders at time of bid opening or bid will be rejected. <u>Personal and company checks are not acceptable as Bid Bonds.</u> See Condition 4 on page 1 of Standard Bid Conditions.</p> <p>Performance Bond in an amount to be determined by ArDOT, not to exceed \$5,000.00, will be required of successful bidder prior to providing goods/services. <u>Personal and company checks are not acceptable as Performance Bonds.</u> See Condition 4 on page 1 of Standard Bid Conditions.</p> <p>ALL OR NONE BIDS WILL NOT BE CONSIDERED.</p> <p>TWO SIGNED COPIES OF BID INVITATION AND BID FORM MUST BE SUBMITTED. PLEASE PROVIDE THREE ADDITIONAL COPIES TO EXPEDITE DISTRIBUTION OF INFORMATION TO PARTICIPATING BIDDERS.</p> <p>Bids and Specifications are available on-line by going to the ArDOT Web Site – www.arkansashighways.com and clicking on "Commodities and Services Bids/Contracts Information". Tabulations will also be available at this site after award of bid/contract. If you have any questions, call this office at 501-569-2667.</p> <p>28-02</p>

ArDOT - STANDARD BID CONDITIONS

1. **GENERAL:** Any special terms and conditions included in the invitation for bid override these standard terms and conditions. The standard terms and conditions and any special terms and conditions become part of any contract entered into if any or all parts of the bid are accepted by the Arkansas Department of Transportation (ArDOT).
2. **ACCEPTANCE AND REJECTION:** ArDOT reserves the right to reject any or all bids, to accept bids in whole or in part (unless otherwise indicated by bidder), to waive any informalities in bids received, to accept bids on materials or equipment with variations from specifications where efficiency of operation will not be impaired, and to award bids to best serve the interest of the State.
3. **PRICES:** Unless otherwise stated in the Bid Invitation, the following will apply: (1) unit prices shall be bid, (2) prices should be stated in units of quantity specified (feet, each, lbs., etc.), (3) prices must be F.O.B. destination specified in bid, (4) prices must be firm and not subject to escalation, (5) bid must be firm for acceptance for 30 days from bid opening date. In case of errors in extension, unit prices shall govern. Discounts from bid price will not be considered in making awards.
4. **BID BONDS AND PERFORMANCE BONDS:** If required, a **Bid Bond** in the form of a cashier's check, certified check, or surety bond issued by a surety company, in an amount stated in the Bid Invitation, must accompany bid. **Personal and company checks are not acceptable as Bid Bonds.** Failure to submit a Bid Bond as required will cause a bid to be rejected. The Bid Bond will be forfeited as liquidated damages if the successful bidder fails to provide a required Performance Bond within the period stipulated by ArDOT or fails to honor their bid. When a bidder claims and can show clear and convincing evidence that a material mistake was made in the bid and was not the bid intended, the bidder may be permitted to withdraw their bid prior to award without forfeiture of bid bond. Cashier's checks and certified checks submitted as Bid Bonds will be returned to unsuccessful bidders; surety bonds will be retained. The successful bidder will be required to furnish a **Performance Bond** in an amount stated in the Bid Invitation and in the form of a cashier's check, certified check, or surety bond issued by a surety company, unless otherwise stated in the Bid Invitation, as a guarantee of delivery of goods/services in accordance with the specifications and within the time established in the bid. **Personal and company checks are not acceptable as Performance Bonds.** In some cases, a cashier's check or certified check submitted as a Bid Bond will be held as the Performance Bond of the successful bidder. Cashier's checks or certified checks submitted as Performance Bonds will be refunded shortly after payment has been made to the successful bidder for completion of all terms of the bid; surety bonds will be retained. Surety bonds must be issued by a surety company authorized to do business in Arkansas, and must be signed by a Resident Local Agent licensed by the Arkansas State Insurance Commissioner to represent that surety company. Resident Agent's Power-of-Attorney must accompany the surety bond. Certain bids involving labor will require Performance Bonds in the form of surety bonds only (no checks of any kind allowed). These bonds shall not only serve to guarantee the completion of the work, but also to guarantee the excellence of both workmanship and material until the work is finally accepted and the provisions of the Plans, Specifications, and Special Provisions fulfilled. In such cases, the company issuing the surety bond must comply with all stipulations herein and must be named in the U. S. Treasury listing of companies holding Certificates of Authority as acceptable sureties on Federal Bonds and as acceptable reinsuring companies. Any excess between the face amount of the bond and the underwriting limitation of the bonding company shall be protected by reinsurance provided by an acceptable reinsuring company. Annual Bid and Performance Bonds on file with E & P Division must have sufficient unencumbered funds to meet current bonding requirements, or the bid will be rejected, unless the balance is submitted as set forth above, prior to bid opening.
5. **TAXES:** The ArDOT is not exempt from Arkansas State Sales and Use Taxes, or local option city/county sales taxes, when applicable, and bidders are responsible to the State Revenue Department for such taxes. These taxes should not be included in bid prices, but where required by law, will be paid by the ArDOT as an addition thereto, and should be added to the billing to the ArDOT. The ArDOT is exempt from Federal Excise Taxes on all commodities except motor fuels; and excise taxes should not be included in bid prices except for motor fuels. Where applicable, tax exemption certificates will be furnished by the ArDOT.
6. **"ALL OR NONE" BIDS:** Bidders who wish to bid "All or None" on two or more items shall so stipulate on the face of bid sheet; otherwise, bid may be awarded on an individual item basis.
7. **SPECIFICATIONS:** Complete specifications should be attached for any substitution or alternate offered, or where amplification is necessary. Bidder's name must be placed on all attachments to the bid.
8. **EXCEPTIONS TO SPECIFICATIONS:** Any exceptions to the bid specifications must be stated in the bid. Any exceptions to manufacturer's published literature must be stated in the bid, or it will be assumed that bidder is bidding exactly as stated in the literature.
9. **BRAND NAME REFERENCES:** All brand name references in bid specifications refer to that commodity or its equivalent, unless otherwise stated in Bid Invitation. Bidder should state brand or trade name of item being bid, if such name exists.
10. **FREIGHT:** All freight charges should be included in bid price. Any change in common carrier rates authorized by the Interstate Commerce Commission will be adjusted if such change occurs after the bid opening date. Receipted common carrier bills that reflect ICC authorized rate changes must be furnished.

11. **SAMPLES, LITERATURE, DEMONSTRATIONS:** Samples and technical literature must be provided free of any charge within 14 days of ArDOT request, and free demonstrations within 30 days, unless ArDOT extends time. Failure to provide as requested within this period may cause bid to be rejected. Samples, literature and demonstrations must be substantially the same as the item(s) being bid, unless otherwise agreed to by ArDOT. Samples that are not destroyed will be returned upon request at bidders expense. Samples from successful bidders may be retained for comparison with items actually furnished.
12. **GUARANTY:** Unless otherwise indicated in Bid Invitation, it is understood and agreed that any item offered or shipped on this bid shall be newly manufactured, latest model and design, and in first class condition; and that all containers shall be new, suitable for storage or shipment and in compliance with all applicable laws relating to construction, packaging, labeling and registration.
13. **BACKORDERS OR DELAY IN DELIVERY:** Backorders or failure to deliver within the time required may constitute default. Vendor must give written notice to the ArDOT, as soon as possible, of the reason for any delay and the expected delivery date. The ArDOT has the right to extend delivery if reasons appear valid. If reason or delivery date is not acceptable, vendor is in default.
14. **DEFAULT:** All commodities furnished will be subject to inspection and acceptance by ArDOT after delivery. Default in promised delivery or failure to meet specifications authorizes the ArDOT to cancel award or any portion of same, to reasonably purchase commodities or services elsewhere and to charge full increase, if any, in cost and handling to defaulting vendor. Applicable bonds may be forfeited.
15. **ETHICS:** *"It shall be a breach of ethical standards for a person to be retained, or to retain a person, to solicit or secure a State contract upon an agreement of understanding for a commission, percentage, brokerage, or contingent fee, except for retention of bona fide employees or bona fide established commercial selling agencies maintained by the contractor for the purpose of securing business."* (Arkansas Code, Annotated, Section 19-11-708).
16. **NOTICE OF NONDISCRIMINATION:** The Arkansas State Highway Commission, through ArDOT, complies with all civil rights provisions of federal statutes and related authorities that prohibit discrimination in programs and activities receiving federal financial assistance. Therefore, ArDOT does not discriminate on the basis of race, sex, color, age, national origin, religion (not applicable as a protected group under the Federal Motor Carrier Safety Administration Title VI Program), disability, Limited English Proficiency (LEP), or low-income status in the admission, access to and treatment in the ArDOT's programs and activities, as well as the ArDOT's hiring or employment practices. Complaints of alleged discrimination and inquiries regarding the ArDOT's nondiscrimination policies may be directed to Joanna P. McFadden Section Head – EEO/DBE (ADA/504/Title VI Coordinator), P. O. Box 2261, Little Rock, AR 72203, (501)569-2298, (Voice/TTY 711), or the following email address: joanna.mcfadden@ardot.gov. Free language assistance for Limited English Proficient individuals is available upon request. This notice is available from the ADA/504/Title VI Coordinator in large print, on audiotape and in Braille.
17. **PROHIBITION OF EMPLOYMENT OF ILLEGAL IMMIGRANTS:** Pursuant to Arkansas Code Annotated 19-11-105, all bidders must certify prior to award of a contract that they **do not** employ or contract with any illegal immigrant(s) in its contract with the state. Bidders shall certify online at <https://www.ark.org/dfa/immigrant/index.php>.
18. **DISCLOSURE:** Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that order, **shall** be a material breach of the terms of this contract. Any contractor, whether an individual or entity, who fails to make the required disclosure or who violates any rule, regulation, or policy **shall** be subject to all legal remedies available to the agency.

ATTACHMENT A

ELIGIBLE BIDDER CERTIFICATION

The Bidder represents and warrants for itself, its employees and its subcontractors and certifies they:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this Bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph two (2) of this Certification;
4. Have not within a one-year period preceding this application/Bid had one or more public transactions (Federal, State, or local) terminated for cause or default; and

The Bidder represents, warrants and acknowledges the understanding that restrictions placed on the employment of labor or on the scale of pay for the work on a contract will be the requirements of the Fair Labor Standards Act (Federal Wage-Hour Law) of 1938, 28 USC §201 et seq., and other applicable labor laws.

The person executing this Certification further represents, warrants and affirms the truthfulness and accuracy of the contents of the statements submitted on or with this Certification and understands that the provisions of 31 USC §3801 et seq. are applicable thereto.

BIDDER NAME

BY: _____

Signature

TITLE: _____

CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM

Failure to complete all of the following information may result in a delay in obtaining a contract, lease, purchase agreement, or grant award with any Arkansas State Agency.

SUBCONTRACTOR: _____ SUBCONTRACTOR NAME: _____
 Yes No

IS THIS FOR:

TAXPAYER ID NAME: _____ Goods? Services? Both?

YOUR LAST NAME: _____ FIRST NAME: _____ M.I.: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____ COUNTY: _____

AS A CONDITION OF OBTAINING, EXTENDING, AMENDING, OR RENEWING A CONTRACT, LEASE, PURCHASE AGREEMENT, OR GRANT AWARD WITH ANY ARKANSAS STATE AGENCY, THE FOLLOWING INFORMATION MUST BE DISCLOSED:

FOR INDIVIDUALS*

Indicate below if: you, your spouse or the brother, sister, parent, or child of you or your spouse is a current or former: member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee:

Position Held	Mark (✓)		Name of Position of Job Held <small>(senator, representative, name of board/ commission, data entry, etc.)</small>	For How Long?		What is the person(s) name and how are they related to you? <small>(i.e., Jane Q. Public, spouse, John Q. Public, Jr., child, etc.)</small>	
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Relation
General Assembly							
Constitutional Officer							
State Board or Commission Member							
State Employee							

None of the above applies

FOR AN ENTITY (BUSINESS)*

Indicate below If any of the following persons, current or former, hold any position of control or hold any ownership interest of 10% or greater in the entity: member of the General Assembly, Constitutional Officer, State Board or Commission Member, State Employee, or the spouse, brother, sister, parent, or child of a member of the General Assembly, Constitutional Officer, State Board or Commission Member, or State Employee. Position of control means the power to direct the purchasing policies or influence the management of the entity.

Position Held	Mark (✓)		Name of Position of Job Held <small>(senator, representative, name of board/ commission, data entry, etc.)</small>	For How Long?		What is the person(s) name and what is his/her % of ownership interest and/or what is his/her position of control?		
	Current	Former		From MM/YY	To MM/YY	Person's Name(s)	Ownership Interest (%)	Position of Control
General Assembly								
Constitutional Officer								
State Board or Commission Member								
State Employee								

None of the above applies

Contract and Grant Disclosure and Certification Form

Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this contract. Any contractor, whether an individual or entity, who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the agency.

As an additional condition of obtaining, extending, amending, or renewing a contract with a state agency I agree as follows:

1. Prior to entering into any agreement with any subcontractor, prior or subsequent to the contract date, I will require the subcontractor to complete a **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM**. Subcontractor shall mean any person or entity with whom I enter an agreement whereby I assign or otherwise delegate to the person or entity, for consideration, all, or any part, of the performance required of me under the terms of my contract with the state agency.

2. I will include the following language as a part of any agreement with a subcontractor:

Failure to make any disclosure required by Governor's Executive Order 98-04, or any violation of any rule, regulation, or policy adopted pursuant to that Order, shall be a material breach of the terms of this subcontract. The party who fails to make the required disclosure or who violates any rule, regulation, or policy shall be subject to all legal remedies available to the contractor.

3. No later than ten (10) days after entering into any agreement with a subcontractor, whether prior or subsequent to the contract date, I will mail a copy of the **CONTRACT AND GRANT DISCLOSURE AND CERTIFICATION FORM** completed by the subcontractor and a statement containing the dollar amount of the subcontract to the state agency.

Signature _____	Title _____	Date _____
Vendor Contact Person _____	Title _____	Phone No. _____

Agency Use Only				
Agency Number _____	Agency Name _____	Agency Contact Person _____	Contact Phone No. _____	Contract or Grant No. _____

**ARKANSAS STATE HIGHWAY COMMISSION
ArDOT - SUPPLY CONTRACT FOR
CORRUGATED PIPE CULVERT**

BID FORM

CONTRACT NO. H-18-214J

BIDDER _____

All material furnished under this contract must comply with Section 606.02, ArDOT Standard Specifications of 2014 and Standard Drawing PCM-1 (Rev. 2-27-14). (Specifications are accessible on our web site at www.arkansashighways.com).

The size and thickness for corrugated steel shown are for 2-2/3 x 1/2 inch corrugations. Substitution will be allowed in accordance with Standard Drawing PCM-1.

Prices quoted shall be FOB any point in Arkansas accessible by rail, motor transport or improved roads, without regard to quantities included in any shipment.

Prices are subject to discount of _____% for payment of invoices within _____ days.

CORRUGATED STEEL ROUND PIPE CULVERT

	<u>Zinc Coated (Galvanized)</u>		<u>Asphalt Coated</u>	
	<u>Item #</u>	<u>Price per Linear Foot</u>	<u>Item #</u>	<u>Price per Linear Foot</u>
18" Diameter - 16 GA.	1.	_____	7.	_____
24" Diameter - 16 GA.	2.	_____	8.	_____
30" Diameter - 16 GA.	3.	_____	9.	_____
36" Diameter - 14 GA.	4.	_____	10.	_____
42" Diameter - 14 GA.	5.	_____	11.	_____
48" Diameter - 14 GA.	6.	_____	12.	_____

	<u>Polymer Precoated Metallic Coated</u>	
	<u>Item #</u>	<u>Price per Linear Foot</u>
18" Diameter - 16 GA.	13.	_____
24" Diameter - 16 GA.	14.	_____
30" Diameter - 16 GA.	15.	_____
36" Diameter - 14 GA.	16.	_____
42" Diameter - 14 GA.	17.	_____
48" Diameter - 14 GA.	18.	_____
60" Diameter - 14 GA.	19.	_____

**ARKANSAS STATE HIGHWAY COMMISSION
ArDOT - SUPPLY CONTRACT FOR
CORRUGATED PIPE CULVERT**

BID FORM

CONTRACT NO. H-18-214J

BIDDER _____

CORRUGATED STEEL ARCH PIPE CULVERT

	<u>Zinc Coated (Galvanized)</u>		<u>Asphalt Coated</u>	
		Price per		Price per
	<u>Item #</u>	<u>Linear Foot</u>	<u>Item #</u>	<u>Linear Foot</u>
21" x 15" (18") - 16 GA.	20.	_____	26.	_____
28" x 20" (24") - 16 GA.	21.	_____	27.	_____
35" x 24" (30") - 14 GA.	22.	_____	28.	_____
42" x 29" (36") - 14 GA.	23.	_____	29.	_____
49" x 33" (42") - 14 GA.	24.	_____	30.	_____
57" x 38" (48") - 12 GA.	25.	_____	31.	_____

Polymer Precoated Metallic Coated

		Price per
	<u>Item #</u>	<u>Linear Foot</u>
21" x 15" (18") - 16 GA.	32.	_____
28" x 20" (24") - 16 GA.	33.	_____
35" x 24" (30") - 14 GA.	34.	_____
42" x 29" (36") - 14 GA.	35.	_____
49" x 33" (42") - 14 GA.	36.	_____
57" x 38" (48") - 12 GA.	37.	_____
66" x 51" (60") - 14 GA.	38.	_____

ALUMINUM COATED ROUND CORRUGATED STEEL PIPE CULVERT

		Price per
	<u>Item #</u>	<u>Linear Foot</u>
18" Diameter - 16 GA.	39.	_____
24" Diameter - 16 GA.	40.	_____
30" Diameter - 16 GA.	41.	_____
36" Diameter - 14 GA.	42.	_____
42" Diameter - 14 GA.	43.	_____
48" Diameter - 14 GA.	44.	_____

**ARKANSAS STATE HIGHWAY COMMISSION
ArDOT - SUPPLY CONTRACT FOR
CORRUGATED PIPE CULVERT**

BID FORM

CONTRACT NO. H-18-214J

BIDDER _____

ALUMINUM COATED ARCH CORRUGATED STEEL PIPE CULVERT

	<u>Item #</u>	<u>Price per Linear Foot</u>
21" x 15" (18") Diameter - 16 GA.	45.	_____
28" x 20" (24") Diameter - 16 GA.	46.	_____
35" x 24" (30") Diameter - 14 GA.	47.	_____
42" x 29" (36") Diameter - 14 GA.	48.	_____
49" x 33" (42") Diameter - 14 GA.	49.	_____
57" x 38" (48") Diameter - 12 GA.	50.	_____

Coupling Bands for the above shall be furnished as required and will be paid as follows:

- 18" - 36" Price of 1.0 Linear Feet of pipe of the specified diameter.
- 42" - 48" Price of 1.5 Linear Feet of pipe of the specified diameter.

PLASTIC PIPE CULVERT

	Polyethylene	
		<u>Price per</u>
	<u>Item #</u>	<u>Linear Foot</u>
18" Diameter	51.	_____
24" Diameter	52.	_____
30" Diameter	53.	_____
36" Diameter	54.	_____
42" Diameter	55.	_____
48" Diameter	56.	_____
60" Diameter	57.	_____

Coupling Bands for the above shall be furnished as required and will be paid as follows:

- 18" - 24" NO CHARGE
- 30" - 36" Price of 1.0 Linear Feet of pipe of the specified diameter.
- 42" - 60" Price of 1.5 Linear Feet of pipe of the specified diameter.

**ARKANSAS STATE HIGHWAY COMMISSION
ArDOT - SUPPLY CONTRACT FOR
CORRUGATED PIPE CULVERT**

BID FORM

CONTRACT NO. H-18-214J

BIDDER _____

PLASTIC PIPE CULVERT

Polypropylene

	<u>Item #</u>	<u>Price per Linear Foot</u>
18" Diameter	58.	_____
24" Diameter	59.	_____
30" Diameter	60.	_____
36" Diameter	61.	_____
42" Diameter	62.	_____
48" Diameter	63.	_____
60" Diameter	64.	_____

Coupling Bands for the above shall be furnished as required and will be paid as follows:

18" - 24" NO CHARGE

30" - 36" Price of 1.0 Linear Feet of pipe of the specified diameter.

42" - 60" Price of 1.5 Linear Feet of pipe of the specified diameter.

ARKANSAS STATE HIGHWAY COMMISSION
ArDOT - SUPPLY CONTRACT FOR
CORRUGATED PIPE CULVERT
BID INFORMATION

CONTRACT NO. H-18-214J

Page 1 of 2

1. The Arkansas Department of Transportation, hereinafter referred to as "ArDOT," will enter into a term contract with the successful bidder(s) to furnish Corrugated Pipe Culvert for the period set forth in the Bid Invitation.
2. A bid may be withdrawn, modified, or corrected by the bidder after it has been submitted provided written request to do so is filed with the Equipment and Procurement Division prior to the time set for opening bids. Telegrams, faxes or letters received before time set for opening bids will be accepted and attached to the unopened bid, and the bid will be considered withdrawn, modified, or otherwise changed accordingly. No proposal may be withdrawn, modified, corrected, or otherwise changed after the time set for opening bids.
3. Under terms of this contract, ArDOT is not obligated to purchase any specific quantity or to make purchases at any specific time during the contract period.
4. Where awards are made to corporations organized in states other than Arkansas, bidders shall at their own expense furnish a certified copy of certificate of authority and license to do business in Arkansas, which will remain on file with ArDOT. No contract will be executed in favor of such corporation until certificate shall have been furnished.
5. If a contract supplier is unable to load and start shipment of materials within seventy-two (72) hours after receipt of an individual order, he shall immediately notify the ordering District and ArDOT - Equipment and Procurement Division in Little Rock. In such event, ArDOT shall have the right to cancel the order and purchase the material on the open market. Any increase in cost occasioned by purchasing the material from other than the contract supplier may be billed to the contract supplier or deducted from payments due. This provision is not intended to allow any supplier 72 hours to make shipments of material ordered where immediate shipment is designated and required to avoid loss to the State.
6. Invoices for material furnished should be submitted in quintuplicate to the headquarters of the District ordering the material. Invoices submitted to the Little Rock Central Office will cause delay in payments.
7. ArDOT reserves the right to cancel this contract, or any part thereof, upon giving the vendor fifteen days notice of its intent to terminate. The contract shall automatically terminate as of the date given in said notice. Otherwise, prices bid shall remain in effect for the contract term.
8. Cooperative Purchasing: Procedures are being developed to permit other tax-supported entities* in Arkansas (cities, counties, state agencies, school districts, etc.) to purchase from this Contract on an individual basis under the same specifications and conditions, and at the pricing set forth by each vendor, all at the discretion of each vendor in each case. Prices could be reduced by a vendor for minor alterations in conditions (changing minimum order quantities, etc.) as agreed by both parties, but could not be raised above the contract bid price under any circumstances. Vendors would not be required to sell to any such entity under this Contract, and those entities would not be obligated to purchase from the Contract.

Should these procedures be approved during the term of this contract, each entity wishing to purchase from the Contract would make contact directly with the appropriate vendor(s). ArDOT would remain “out of the loop” for such transactions: all contact, orders, invoices, payments, etc. regarding such transactions must take place exclusively between the tax-supported entity and the vendor. ArDOT would be held harmless of any and all liability arising from such transactions.

*Tax-supported entities are defined as those receiving more than half of total funding from appropriated tax funds.

CORRUGATED STEEL PIPE (ROUND)

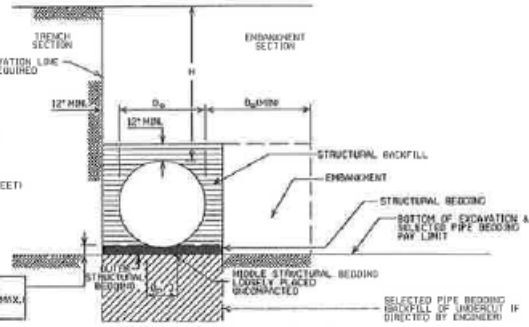
PIPE DIAMETER (INCHES)	MINIMUM COVER TOP OF PIPE TO TOP OF GRAVE (H) (FEET)	METAL THICKNESS (INCHES)			
		0.064	0.079	0.09	0.09
12	1	84	9		
18	1	67	7.5		
24	1	61	6		
30	1	42	4.5	5.9	
36	1	34	3.5	4.7	
42	1	29	3	4	
48	1	24	2.5	3.5	
54	1	20	2	2.5	
60	1	17	1.75	2.25	
66	1	14	1.4	1.9	
72	1	11	1.1	1.55	
78	1	9	0.9	1.2	
84	1	7	0.7	0.9	
90	1	6	0.6	0.75	
96	1	5	0.5	0.6	
102	1	4	0.4	0.5	
108	1	3	0.3	0.4	
114	1	2	0.2	0.3	
120	1	1	0.1	0.2	

CONSTRUCTION SEQUENCE

1. PLACE STRUCTURAL BEDDING MATERIAL TO GRADE. DO NOT COMPACT.
 2. INSTALL PIPE TO GRADE.
 3. COMPLETE STRUCTURAL BACKFILL OPERATION BY WORKING FROM SIDE TO SIDE OF THE PIPE. THE SIDE TO SIDE STRUCTURAL BACKFILL DIFFERENTIAL SHALL NOT EXCEED 24 INCHES ON 1/3 THE SIZE OF THE PIPE, WHICHEVER IS LESS.
- NOTE: STRUCTURAL BACKFILL AND STRUCTURAL BEDDING MATERIAL WILL NOT BE PAID FOR SEPARATELY, BUT COMPENSATION WILL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF METAL PIPE.

INSTALLATION TYPE	MATERIAL REQUIREMENTS FOR STRUCTURAL BACKFILL AND STRUCTURAL BEDDING
TYPE 1	AGGREGATE BASE COURSE (CLASS 4, 5, 6, OR 7)
TYPE 2	SELECTED MATERIALS (CLASS SH-1, SH-2, OR SH-4) OR TYPE 1 INSTALLATION MATERIAL (3)

(3) SH-3 WILL NOT BE ALLOWED.



EMBANKMENT AND TRENCH INSTALLATIONS

1. STRUCTURAL BACKFILL, ENHANCEMENT, AND OUTER STRUCTURAL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY ACCORDING TO THE TYPE OR CLASS OF MATERIAL USED.
2. INSTALLATION TYPE 1 OR 2 MAY BE USED FOR CORRUGATED STEEL OR ALUMINUM PIPE (ROUND).
3. INSTALLATION TYPE 1 SHALL BE USED FOR CORRUGATED STEEL OR ALUMINUM PIPE ARCHES WITH 2 1/2" X 1/2" CORRUGATION.
4. INSTALLATION TYPE 1 OR 2 MAY BE USED FOR CORRUGATED STEEL OR ALUMINUM PIPE ARCHES WITH 3" X 1" CORRUGATION.

GENERAL NOTES

1. METAL PIPE CULVERT CONSTRUCTION SHALL CONFORM TO ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION) WITH APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS, UNLESS OTHERWISE NOTED IN THE PLANS, SECTION AND SUBSECTION REFER TO THE STANDARD CONSTRUCTION SPECIFICATIONS.
2. METAL PIPE CULVERT DESIGN SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, FIFTH EDITION (2000) WITH 2003 INTERIMS.
3. METAL PIPE CULVERT MATERIALS AND INSTALLATIONS SHALL CONFORM TO SECTION 666 AND JOB SPECIAL PROVISION "METAL PIPE".
4. ALL PIPE SHALL BE PROTECTED DURING CONSTRUCTION BY A COVER SUFFICIENT TO PREVENT DAMAGE FROM PASSAGE OF EQUIPMENT.
5. THE MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF THE PIPE PLUS 24 INCHES. THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE MINIMUM WIDTH PRACTICABLE FOR WORKING CONDITIONS.
6. MULTIPLE PIPE CULVERTS SHALL BE INSTALLED WITH A MINIMUM CLEARANCE OF 24 INCHES BETWEEN STRINGS OF PIPE. REFER TO STD. SPEC. RES-2 FOR MINIMUM CLEARANCE WHERE PLANNED AND SECTIONS ARE USED.
7. UNPERVIOUS MATERIAL SHOULD BE PLACED AS DIRECTED BY THE ENGINEER. AT THE ENDS OF THE CULVERT TO PREVENT LOSS OF STRUCTURAL BEDDING WHEN PERVIOUS MATERIAL IS USED FOR STRUCTURAL BEDDING AND/OR BACKFILL.
8. WHEN DIRECTED BY THE ENGINEER, UNSATURATED MATERIAL THAT IS ENCOUNTERED AT THE BOTTOM OF THE EXCAVATED TRENCH BELOW THE AREA IDENTIFIED AS "STRUCTURAL BEDDING" ABOVE WILL BE EXCAVATED AND REPLACED WITH SELECTED PIPE BEDDING. THE QUANTITY OF MATERIAL REQUIRED TO BACKFILL THE UNDERCUT AREA UP TO THE SELECTED PIPE BEDDING PAY LIMIT DESIGNATED ABOVE WILL BE MEASURED AND PAID FOR AS "SELECTED PIPE BEDDING".
9. WHEN THE EXISTING MATERIAL EXCAVATED FOR THE PIPE TRENCH IS DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING THE PIPE ABOVE THE AREA IDENTIFIED AS STRUCTURAL BACKFILL, BORROW MATERIAL OR MATERIAL FROM THE ROADWAY EXCAVATION WILL BE USED TO BACKFILL THE PIPE. IF SUITABLE MATERIAL IS NOT AVAILABLE, THE ENGINEER MAY AUTHORIZE THE USE OF "SELECTED PIPE BACKFILL."

CORRUGATED ALUMINUM PIPE (ROUND)

PIPE DIAMETER (INCHES)	MINIMUM COVER TOP OF PIPE TO TOP OF GRAVE (H) (FEET)	METAL THICKNESS (INCHES)			
		0.060	0.075	0.085	0.095
12	1	25	30	32	34
18	1	20	22	24	26
24	1	15	17	18	19
30	1	12	14	15	16
36	1	10	11	12	13
42	1	8	9	10	11
48	1	7	8	9	10
54	1	6	7	8	9
60	1	5	6	7	8
66	1	4	5	6	7
72	1	3	4	5	6

EQUIVALENT METAL THICKNESSES AND GAUGES

METAL THICKNESS IN INCHES			GAUGE NUMBER
STEEL	ZINC COATED	ALUMINUM	
0.064	0.0598	0.060	16
0.075	0.0747	0.075	18
0.085	0.0846	0.085	20
0.095	0.0945	0.095	22
0.098	0.0944	0.094	24

CORRUGATED METAL PIPE ARCHES

EQUIV. DIA. (INCHES)	PIPE DIMENSION SPAN X RISE (INCHES)	MINIMUM CORNER RADIUS (INCHES)	MIN. THICKNESS REQUIRED (INCHES)	STEEL				ALUMINUM			
				MIN. HEIGHT OF FILL, "H" (FT.)		MAX. HEIGHT OF FILL, "H" (FT.)		MIN. HEIGHT OF FILL, "H" (FT.)		MAX. HEIGHT OF FILL, "H" (FT.)	
				INSTALLATION	TYPE 1	INSTALLATION	TYPE 1	INSTALLATION	TYPE 1		
18	17x10	3	0.064	2	6	0.060	2	15	6		
24	24x15	3	0.064	2	8	0.060	2	15	8		
30	30x21	3	0.064	2.5	10	0.060	2.5	16	10		
36	36x27	3	0.070	3	12	0.075	3	12	12		
42	42x33	4	0.075	3	12	0.085	3	12	12		
48	48x39	5	0.09	3	13	0.095	3	13	13		
54	54x45	6	0.095	3	14	0.105	3	14	14		
60	60x51	7	0.10	3	15	0.11	3	15	15		
66	66x57	8	0.105	3	16	0.115	3	16	16		
72	72x63	9	0.11	3	17	0.12	3	17	17		

- (1) FOR MINIMUM COVER VALUES, "H" SHALL INCLUDE A MINIMUM 12" OF PAVEMENT AND/OR BASE.
- (2) WHERE THE STANDARD 2 1/2" X 1/2" CORRUGATION AND GAUGE IS SPECIFIED FOR A GIVEN DIAMETER, A PIPE OF THE SAME DIAMETER WITH A 3" X 1" OR 3" X 1/2" CORRUGATION MAY BE SUBSTITUTED, PROVIDING IT IS GAUGED FOR A FILL HEIGHT CONDITION EQUAL TO OR GREATER THAN THE MINIMUM FILL HEIGHT CONDITION FOR THE SPECIFIED GAUGE AND CORRUGATION.

ARKANSAS STATE HIGHWAY COMMISSION		
METAL PIPE CULVERT FILL HEIGHTS & BEDDING		
DATE	REVISION	DATE / FILER
2-22-18	REVISED GENERAL NOTE 1	
2-22-18	REVISED FOR NEW SECTION	
2-22-18	REVISED METAL THICKNESS	
1-05-17	ISSUED	
STANDARD DRAWING PCM-1		