



Bid Packet #2018-04-05

REMOVING EXISTING CULVERTS AND INSTALLATION OF
REPLACEMENT CULVERTS WITHIN SALINE COUNTY ROADS

Angel .Koder
PURCHASING SPECIALIST | 200 N. MAIN ST. BENTON, AR 72015

**Bid Document for Removing Existing Culverts and
Installation of Replacement Culverts within
Saline County Roads
Bid Number 2018-04-05**

BID OPENING LOCATION:

Saline County Courthouse
200 N. Main Street, Suite 116
Benton, AR 72015

MAIL BID TO OR DELIVER TO:

Saline County Courthouse
200 N. Main Street, Suite 116
Benton, AR 72015

Bid Opening Date: April 5, 2018

Time: 10:00 A.M.

Sealed bids for furnishing all labor, materials, tools, equipment, SB-2, and any other incidentals necessary to complete each item of work listed in the Bid Schedule of the Bid form; including profit, overhead costs, and applicable taxes and fees to remove old existing culverts (hereinafter "culvert", "culverts", or "pipe") and installation of replacement culverts within Saline County Roads.

Bidding documents may be obtained from Saline County Courthouse, 200 N. Main Street, Suite 116, Benton, AR 72015 during regular business hours, 8:00 a.m. – 4:30 p.m., Monday – Friday.

Instruction to Bidders:

To be considered responsive, Bids must be made in accordance with the following instructions:

1. RECEIPT AND OPENING OF BIDS:

Saline County (hereinafter called the "Owner") invites Bids on the Bid Form attached hereto, all blanks which must be appropriately filled in. Bids will be received by the Saline County Purchasing Specialist, Suite 116, Saline County Courthouse, 200 North Main Street, Benton, Arkansas, until 10:00 a.m. April 5, 2018.

The Owner may consider informal any Bid not prepared and submitted in accordance with the provisions hereof and may waive any irregularities or reject any or all Bids. Bids received prior to the time of opening will be kept unopened. ***Any Bid received after the time and date specified will not be considered.*** No responsibility will be assumed by any person for the premature opening of a Bid not properly addressed and identified, such bids will be rejected.

2. PREPARATION OF BID:

Use Bid Form found herein. Bid prices are to be filled in ink or typewritten, in both words and figures. The signature of the individual authorized to bind the Bidder shall be in longhand. Each bid must be submitted in a sealed envelope bearing on the outside the name of Bidder, address,

and Bid Number for which bid is submitted, clearly written, and "**BID ENCLOSED**" noted on the envelope.

3. **CONDITIONS OF WORK:**

Before submitting a Bid, Bidders shall carefully examine the General Conditions of the Contract, the Specifications under the Contract, visit the site(s) of the work, fully inform themselves as to all existing conditions and limitations, and shall include in the Bid the sums to cover the cost of **all items** included in the Contract.

Insofar as possible the Contractor, in carrying out his work, must employ such methods or means as will not cause any interruption of, or interference with others.

4. **LAWS AND REGULATIONS:**

The Bidder's attention is directed to the fact that all applicable State laws, county ordinances, and rules and regulations of all authorities have jurisdiction over construction of the project and shall apply to the Contract throughout and will be deemed to be included in the Contract the same as though written out in full.

5. **OTHER:**

It shall be understood by submission of Bid that Bidder agrees to the General Conditions as herein specified and if Bid is found to be acceptable to Saline County, the Bid Document will serve as a Contract Agreement with Saline County.

Bids shall specify the prices for culvert installation of various sizes of culverts at various locations in the South parts Saline County as shown on the project drawings. The culverts will be supplied by the Saline County Road Department, located at 5555 Cynamide Road, Benton, Arkansas. The Bid amount must include loading culverts at the Saline County Road Department location and delivering/hauling culvert(s) to installation site. The existing culvert(s) and material surrounding it will be removed and disposed of properly in a timely manner.

Installation of the replacement culvert shall be backfilled with compacted SB-2. The SB-2 material is to be provided by the Bidder. Saline County Road Department will randomly have compaction tests run on the compacted SB-2. The cost of the compaction test will be paid for by Saline County. Bidder must provide and install finished surface to match existing County Road surface after consolidation. In matching existing adjoining asphalt surfaces a minimum humping of the compacted SB-2 may be required. The new SB-2 surface shall extend from across the trench from saw cut to saw cut.

NOTE: Should equipment and personnel be available for assistance with loading the culverts, the Saline County Road Department may accommodate the Bidder.

Bid prices shall remain in effect for a period of (1) year. The term of the Contract shall be from the date of the award and will run for one year from that date. The Contract is subject to extension

annually for up to three (3) additional years, with an extension to be mutually agreed upon by Saline County and the Bidder. Either party may cancel with a thirty (30) day written notice.

BID SCHEDULE:

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the below unit prices.

Unit prices shall be shown in figures.

Lengths shown are only an estimate for Bidding proposes only.

TAXES: Saline County 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. ALL APPLICABLE TAXES SHALL BE INCLUDED IN THE BID. The total sales & use tax rate in the City of Benton is 9.0%. The County is exempt from Federal Excise Taxes on all commodities except motor fuels; and excise taxes should not be included in Bid prices except from motor fuels. Where applicable, tax exemption certificates will be furnished by the County.

LIST OF VARIABLE QUANTITIES

PIPE #	ROAD NAME	ROAD STA.	PIPE SIZE/SHAPE by County	LENGTH IN FEET	INSTALLATION COST PER FOOT	PIPE INSTALLATION COST (LENGTH * COST PER FT.)
1301	CHICOT RD	0+73	30" ARCH CONC	64.00		
1302	CHICOT RD	9+92	48" ARCH CONC	64.00		
1303	CHICOT RD	25+71	24" ARCH CONC	64.00		
1304	CHICOT RD	37+78	18" ARCH CONC	56.00		
1306	CHICOT RD	53+32	30" ARCH CONC	104.00		
1307	CHICOT RD	75+14	48" ARCH CONC	48.00		
1308	CHICOT RD	78+18	24" ARCH CONC	40.00		
1309	CHICOT RD	95+78	18" ARCH CONC	40.00		
1310	CHICOT RD	101+91	18" ARCH CONC	40.00		
1311	CHICOT RD	113+69	42" ARCH CONC	48.00		
1312	CHICOT RD	148+12	18" ARCH CONC	40.00		
1313	CHICOT RD	156+54	24" ARCH CONC	40.00		
1314	CHICOT RD	209+39	18" ARCH CONC	40.00		
1315	CHICOT RD	217+16	18" ARCH CONC	40.00		
1316	CHICOT RD	230+48	24" ARCH CONC	40.00		
1317	CHICOT RD	237+49	18" ARCH CONC	40.00		
1318	CHICOT RD	246+29	18" ARCH CONC	40.00		
1320	CHICOT RD	272+11	24" ARCH CONC	40.00		
1321	CHICOT RD	278+27	36" ARCH CONC	40.00		

PIPE #	ROAD NAME	ROAD STA.	PIPE SIZE/SHAPE- BY COUNTY	LENGTH IN FEET	INSTALLATION COST PER FOOT	PIPE INSTALLATION COST (LENGTH * COST PER FT.)
1322	CHICOT RD	287+76	24" ARCH CONC	40.00		
1324	CHICOT RD	305+19	18" ARCH CONC	40.00		
1325	CHICOT RD	313+29	18" ARCH CONC	40.00		
1326	CHICOT RD	321+29	30" ARCH CONC	40.00		
1327	CHICOT RD	333+21	24" ARCH CONC	40.00		
1328	CHICOT RD	355+33	42" ARCH CONC	48.00		
1329	CHICOT RD	363+25	TWO 48" ARCH CONC	96.00		
1330	KLING RD	0+24	18" ARCH CONC	40.00		
1331	KLING RD	13+81	18" ARCH CONC	32.00		
1332	KLING RD	18+57	18" ARCH CONC	32.00		
1333	KLING RD	30+29	18" ARCH CONC	32.00		
1334	KLING RD	38+70	18" ARCH CONC	32.00		
1335	KLING RD	48+22	30" ARCH CONC	32.00		
1336	KLING RD	59+91	18" ARCH CONC	32.00		
1337	KLING RD	67+79	36" ARCH CONC	32.00		
1338	KLING RD	73+44	18" ARCH CONC	32.00		
1339	KLING RD	80+25	18" ARCH CONC	32.00		
1340	KLING RD	88+18	18" ARCH CONC	40.00		
1341	N. SARDIS RD	41+61	24" ARCH CONC.	40.00		
1342	N. SARDIS RD	53+56	24" ARCH CONC.	40.00		
1343	N. SARDIS RD	62+67	18" ARCH CONC.	40.00		
1344	N. SARDIS RD	122+54	24" ARCH CONC	48.00		
1345	N. SARDIS RD	161+92	18" ARCH CONC	32.00		
1346	N. SARDIS RD	180+81	30" ARCH CONC	40.00		
1347	N. SARDIS RD	194+12	24" ARCH CONC	40.00		
1348	N. SARDIS RD	204+92	36" ARCH CONC	40.00		
1349	N. SARDIS RD	215+05	24" ARCH CONC	40.00		
1350	N. SARDIS RD	222+38	24" ARCH CONC	40.00		
1352	W SAWMILL RD	20+64	36" ARCH CONC	40.00		
1353	W SAWMILL RD	28+86	30" ARCH CONC	40.00		
1354	W SAWMILL RD	41+71	18" ARCH CONC	40.00		
1356	W SAWMILL RD	70+35	42" ARCH CONC	40.00		
1357	W SAWMILL RD	82+91	18" ARCH CONC	40.00		
1358	GRAHAM RD	30+38	36" ARCH CONC.	40.00		
1360	GRAHAM RD	54+57	18" ARCH CONC	40.00		
1361	GRAHAM RD	61+26	18" ARCH CONC	40.00		
1362	GRAHAM RD	71+06	18" ARCH CONC	32.00		
1363	GRAHAM RD	80+72	18" ARCH CONC	32.00		
1364	GRAHAM RD	86+15	18" ARCH CONC	32.00		

PIPE #	ROAD NAME	ROAD STA.	PIPE SIZE/SHAPE- BY COUNTY	LENGTH IN FEET	INSTALLATION COST PER FOOT	PIPE INSTALLATION COST (LENGTH * COST PER FT.)
1365	FAIRPLAY RD	15+57	24" ARCH CONC.	40.00		
1366	FAIRPLAY RD	18+69	18" ARCH CONC.	40.00		
1367	FAIRPLAY RD	40+45	18" ARCH CONC.	40.00		
1368	FAIRPLAY RD	81+60	TWO 42" ARCH CONC.	96.00		
1369	PLEASANT RUN RD	10+06	18" ARCH CONC.	32.00		
1370	PLEASANT RUN RD	17+53	24" ARCH CONC.	32.00		
1371	PLEASANT RUN RD	31+74	18" ARCH CONC.	32.00		
1372	PLEASANT RUN RD	77+65	18" ARCH CONC.	32.00		
1373	PLEASANT RUN RD	92+61	24" ARCH CONC.	32.00		
1374	PLEASANT RUN RD	104+78	18" ARCH CONC.	32.00		
1375	PLEASANT RUN RD	115+89	36" ARCH CONC.	32.00		
1376	TEN MILE RD	13+71	30" ARCH CONC.	32.00		
1377	TEN MILE RD	44+40	24" ARCH CONC.	32.00		
1378	TEN MILE RD	53+24	24" ARCH CONC.	32.00		
1379	TEN MILE RD	57+79	24" ARCH CONC.	32.00		
1380	TEN MILE RD	78+01	18" ARCH CONC.	32.00		

INSURANCE & BOND COSTS: \$ _____

TOTAL COST OF CULVERT INSTALLATIONS: \$ _____

Company Name: _____

Address: _____ City: _____

State: _____ Zip: _____ Phone: _____ Fax: _____ Cell: _____

E-mail: _____ Person submitting bid (print): _____

TOTAL BID: _____

*****Signature: _____*****

GENERAL CONDITIONS:

- 1) When submitting an "Invitation to Bid", the Bidder warrants that the commodities covered by the Bid shall be free from defects in material and workmanship under normal use and service. In addition, Bidder must deliver new commodities of the latest design and model, unless otherwise specified in the "Invitation to Bid".
- 2) The County is not exempt from Arkansas Sales and Use Tax. Vendors are to register and pay tax directly to the Arkansas State Revenue Department.
- 3) Identical Bids: In the event of two or more identical low bids, Ark. Code Ann § 14-22-111 shall apply.
- 4) Culvert installation procedures will be followed according to the latest Arkansas State Highway and Transportation specifications.
- 5) Any ambiguity in any Bid as the result of omission, error, lack of clarity or non-compliance by the Bidder with specification, instructions, and all conditions of Bidding shall be construed in the light most favorable to the County.
- 6) All traffic control and traffic safety will be the Bidders responsibility. The Manual on Uniform Traffic Control Devices, MUTCD, shall be followed.
- 7) Saline County Road Department will mark the locations of where a culvert is to be replaced.
- 8) The Contractor / Bidder is to supply Saline County with evidence of having and maintaining proper and complete insurance; public liability, property damage and specifically, Worker's Compensation in accordance with the laws of the State of Arkansas. The Contractor shall pay all premiums and costs. In no way will Saline County be responsible in case of any accident or property damage.
- 9) Saline County reserves the right to reject any and all Bids, to accept in whole or in part, to waive any informalities or technicalities, to accept Bids on material or equipment with variations from specifications in those cases where efficiency of operation will not be impaired and unless otherwise specified by the Bidder, to accept any item in the Bid.
- 10) Maintenance Bond-Bidder is required to be bonded for \$50,000.00 to work in Saline County right-of-ways and must bond with Saline County.
- 11) Bid Bond-ACA 22-9-203 (2)(A)(ii)- Every bid submitted on public construction contracts for the state or any agency or department of the state shall be void unless accompanied by a cashier's check drawn upon a bank or trust company doing business in this state or by a corporate bid bond, except for projects under twenty thousand dollars (\$20,000). The bid bond shall be five percent (5%) of the amount of the bid.
- 12) Performance Bond- Successful bidder shall provide proof of a performance bond in the amount of the total bid price.
- 13) Bidder must produce certification of \$1,000,000.00 in General Liability Insurance. Bid will include all tools, equipment, and labor needed for job.
- 14) Invoices must include an itemized accounting of all charges.
- 15) Accounts are payable (30) days from receipt of invoice.

- 16) Trench excavation protection shall be accomplished as required by the provisions of 29 CFR 1926, Subpart P-Excavations, Trenching, and Shoring; of the Occupational Safety and Health Administration regulations for trench excavations which exceed a depth of five (5) feet.
- 17) If a road is to be closed to install culvert, Contractor must call Saline County Road Department (501)303-5690 and 911 Central at (501) 303-5648 and report the time interval the road will be closed.
- 18) If a no outlet road is to be closed, the Contractor shall contact the effected residents 24 hours prior to the road closure.
- 19) All repairs must be completed by end of work day daily, unless Saline County Road Superintendent has authorized.

MEASUREMENT & PAYMENT:

- i) Measurement of each culvert installed per size and location will be made by the Saline County Road Department Superintendent of actual footage installed as of the "period ending date" of each Partial Payment Estimate. Payment for each culvert will be the product of the measured footage times the per foot installation price Bid for the size and location of each culvert installed. This measurement will be from downstream end of the culvert or flared end section to the upstream end of the culvert or flared end section as measured along the top of installed culvert.
- ii) Undercutting includes excavating unstable soil as directed by the Saline County Road Superintendent and bringing to the site B-Stone, then place and compact material. Undercut volume will be measured on a cubic yard basis to the nearest whole cubic yard as determined by field measurement volume of material actually undercut. Payment will be made at the unit price bid per cubic yard for "Undercutting", which price shall include excavating and disposing of removed material on or off project site and placing and compacting B-Stone up to beginning level of undercutting.
- iii) Extra placed and compacted SB-2, Cl-7 material as approved by Saline County Road Department Superintendent will be paid at the unit price bid times the truck tonnage ticket.

Removal of Existing Culvert & Installation of Replacement Culvert Specifications:

A. PREPARATION AND LAYOUT

- i) Establish extent of excavation by area and elevation; designate and identify datum elevation.
- ii) Set required lines and levels.
- iii) Maintain bench marks, monuments and other reference points.

B. UTILITIES

- i) Before starting excavation, establish location and extent of underground utilities occurring in work area. It is the responsibility of the Contractor to call "One Call".
- ii) Notify utility companies of lines which are in way of excavation.
- iii) Protect existing utility lines to remain which pass through the work area.
- iv) Protect utility services uncovered by excavation.
- v) On roads with a paved surface, saw cut the pavement across the road on each side of existing culvert a distance great enough to allow room to remove the existing culvert and install the new culvert.

C. Trench Excavation (Clean-up and reshaping) Backfill with Compacted SB-2

- i) Remove existing material above and on each side of the existing culvert to allow the removal of the existing culvert. The finished trench width to place and center the new culvert in must extend a minimum of 2 feet each side of the new culvert to allow room for compaction equipment. Clean and remove any soft material or organics. Identify any soft/weak soils that may need to be removed and bring it to the attention of the Saline Road Department Superintendent. After the Saline County Road Department Superintendent gives his approval, undercut the soft/weak soil. The undercut area is to be filled with B-Stone. Undercut work includes both removal of weak soil and B-Stone backfill.
- ii) Grade the bottom of the trench to provide a firm bedding surface of uniform density along the entire length of the pipe.
- iii) Shape the bottom of the trench to conform to the bottom one quarter of the outside diameter of the circular pipe or the bottom width of arch pipe.
- iv) Lay the pipe beginning at the downstream end with the groove end of the pipe placed facing upstream.
- v) Joint pipe using specified cold applied preformed plastic joint sealant. Clean the pipe joint surface and prime (if recommended by the manufacturer) brush on and allow to dry. Remove protective wrapping from one side of the rope. Lay rope strip side up on the surface of the pipe joint and press the strip firmly to surface of pipe joint end to end continuing around the entire circumference of the joint. Remove the remaining protective wrapping and force pipe into connection until material fills the joint space.
- vi) To insure an even and well filled joint, accomplish the final joining of the pipe by either pushing or pulling by mechanical means each joint of the pipe as it is laid.
- vii) In cold weather, either warm the joint material in a hot water bath, or by other approved methods, to the extent required to keep the material pliable for placement without breaking or cracking or use butyl rubber type joint sealant.

viii) In areas not under pavement of structures "slice-in" the bedding material under the haunches of the pipe with and then hand-tamp or mechanical tamp the backfill up to the horizontal centerline of the pipe.

ix) Compact the backfill on the sides of the pipe and above the pipe to 98% Modified Proctor using a "Jumping Jack", Rammer. Maintain the soils Modified Proctor maximum dry density at or near the optimum moisture content. Round the top surface of SB-2 Backfill to 2" above adjoining road surface.

x) Provide finish road surface to match both elevation of the existing road or to provide a minimum of 7" above top of new pipe.

D. MATERIAL

i) SB-2, Class 7, as outlined in Section 303.02 of the Arkansas Highway and

ii) Transportation Department (AHTD) Standard Specification for Highway

iii) Construction, to be used under pavements, backfill culverts, and surface gravel B-Stone material size shall range from 2.5" to 3.5" diameter and be of the same native stone as the SB-2 material.

iv) Concrete shall have compression strength of 4,000 psi.

