BID FOR PRECAST
CONCRETE BOX CULVERTS

BID NOTICE
SPECIFICATIONS
BID FORM

ATHENS COUNTY ENGINEER:
Jeff Maiden, P.E., P.S.

ATHENS COUNTY COMMISSIONERS:
Lenny Eliason
Chris Chmiel
Charles Adkins

ATHENS COUNTY AUDITOR:
Jill A. Thompson

BID OPENING: 10:00 am., Monday, January 28, 2019

LOCATION: ATHENS COUNTY ENGINEER'S OFFICE
16000 CANAANVILLE RD, ATHENS, OHIO 45701
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NOTICE TO BIDDERS – Furnishing Concrete Box Culverts

Sealed bids for furnishing and delivery of five precast concrete box culverts will be received by the Athens County Engineer at the County Engineer’s office, 16000 Canaanville Rd, Athens, Ohio 45701 until 10:00 a.m., Prevailing Local Time on January 28, 2019 and at that time and place will be publicly opened and read aloud. All bids will be considered valid until 60 days after the opening date, although not accepted or rejected. The five precast concrete box culverts shall also have precast wing walls and headwalls and will be delivered to various locations in Athens County.

Legal notice and bid documents are also posted on the internet at www.athenscountyengineer.org under the “Bids/RFPs” heading.

All pertinent plans, specifications and other relative information can be obtained or examined at the office of the Athens County Engineer, 16000 Canaanville Road, Athens, Ohio 45701, 7:00am-3:30 pm, Monday through Friday. Bidders are advised to email their contact information to engineer@athensoh.org including name, address, phone, fax, and email in order to receive any amendments or other information if bid documents are obtained online.

The Board of County Commissioners of Athens County, Ohio reserves the right to reject any and/or all bids and to waive informalities as may be in the best interest of Athens County.

Jeff Maiden, P.E., P.S.
Athens County Engineer

This notice to be advertised: Sunday, January 13, 2019 and Sunday, January 20, 2019 in The Athens Messenger.
INSTRUCTIONS TO BIDDERS  
PRECAST CONCRETE BOX (4-SIDED) CULVERTS

1. Bids will be accepted until 10:00 a.m., Monday, January 28, 2019 at the Athens County Engineer’s office at which time they will be opened for review and publicly read. All bids shall be marked “Bid for Precast Concrete Box Culverts”.

2. The contract documents shall consist of the advertisement for bids, instructions to bidders, plans, specifications and bid forms, all of which are attached.

3. All bids shall be submitted on the form attached, which may not be changed, modified, deleted or added to in any manner.

4. All bids shall be submitted in the place, time and manner set forth in the advertisement for bids.

5. All materials shall conform to the State of Ohio Department of Transportation (ODOT) Construction and Material Specifications (CMS), 2016 Edition, Section 706.05, except as stated otherwise hereinafter.

6. The contract shall be awarded to the lowest responsible bidder, provided, however, that Athens County reserves the absolute right in its discretion to determine whether any bid is the equivalent of the specifications listed.

7. Athens County reserves the right to reject any and all bids, as well as to waive or assert any irregularity, informality or variation in any bids, as it may appear to be in the best interests of the County.

8. The County reserves the right to award all or parts of this bid and to make a non-exclusive award.

9. All blank spaces in the proposal shall be filled in clearly where indicated, either typed or written in ink. Altering and/or changing any part of this proposal will be sufficient reason for rejection.

10. Bidder warrants that prices, terms, and conditions quoted herewith shall be firm for acceptance for a period of sixty (60) days from the date of the included bid quotation.

11. Bids must meet or exceed minimal standards as outlined.

12. All materials shall be properly crafted and shall not be unloaded until inspected and approved by a County representative. Poor quality control, including honeycombing, poor fit-up between sections, spalling or any other workmanship defect may be cause for rejection. If the materials are accepted, the deficiencies shall be documented by the County and placed on file. The Bidder will be placed on notice of these deficiencies. If the Bidder fails to take corrective action to improve the quality control, the County may refuse to award future projects.

13. Precast wing walls shall be of a pre-approved design from approved manufacturers on file with the ODOT. Manufacturers not approved may submit their structural design criteria, analysis method and structure details for approval. The submitted analysis and details shall be prepared and stamped by an Ohio Registered Professional Engineer. Wing wall bid shall include the cost of all necessary hardware, inserts, and/or shims needed to make necessary connections to conduit and/or footings. Materials and construction shall meet the requirements of ODOT CMS 602.
14. Headwalls shall include cost of all hardware needed to positively connect to conduit section, if cast separately from conduit section. Materials and construction shall meet the requirements of ODOT CMS 602.

15. Prior to fabrication, shop drawings shall be provided to Athens County for approval.

16. Once the County begins construction of each Structure, the County will notify Bidder of the exact date delivery needed and the Bidder hereby agrees to deliver each structure within one week of that exact date of delivery. See anticipated schedule in the table below:

<table>
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<th>Structure</th>
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<th>Precast Delivery/Setting</th>
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SPECIFICATIONS AND CONDITIONS
ATH-OPWC BOX CULVERTS PROJECT

Structure: ATH-CR34-7.26

Units shall be bid per specifications.

The LUMP SUM bid price shall include:
Construction of precast culvert (4-sided), wing walls, and headwalls per specifications.
Delivery to job site (5240 Wildman Rd, Coolville, OH 45723).
Load Rating (HL-93) booklet for Structure.

Items to be completed by Athens County Engineer Staff:
Excavation and preparation of site.
Pour footers.
Crane and setting of structures.

The following specifications shall be the minimum accepted. Any deviation from such shall be clearly indicated on a separate sheet submitted with the bid.

Dimensions: 10' 0" Wide x 5' 0" High (ID)
32 Feet Length of box – Skew: N/A
⇒ Per County Engineer drawing

Top/Bottom: HL-93 Load Rating, Thickness and reinforcing per manufacturer.

Side Walls: HL-93 Load Rating, Thickness and reinforcing per manufacturer.

Headwall: 6"-12" typical height. Manufacturer to provide means of connection for precast wall.
⇒ Per County Engineer drawing

Wing Wall: Manufacturer to provide means of connection for precast wall.
⇒ Per County Engineer drawing

Concrete: f’c = 5,000 psi @ 28 Days for culvert sections
f’c = 4,000 psi @ 28 Days for wing walls
1" Chamfer on all corners

Connections: Per manufacturer’s details

Bidders may include additional information as desired.

Anticipated date of delivery and setting: 3/8/2019
Units shall be bid per specifications.

The **LUMP SUM** bid price shall include:
Construction of precast culvert (4-sided), wing walls, and headwalls per specifications.
Delivery to job site (5240 Wildman Rd, Coolville, OH 45723).
Load Rating (HL-93) booklet for Structure.

**Items to be completed by Athens County Engineer Staff:**
Excavation and preparation of site.
Pour footers.
Crane and setting of structures.

The following specifications shall be the minimum accepted. Any deviation from such shall be clearly indicated on a separate sheet submitted with the bid.

**Dimensions:**
8' 0" Wide x 4' 0" High (ID)
42 Feet Length of box – Skew: 28° RF
⇒ Per County Engineer drawing

**Top/Bottom:**
HL-93 Load Rating, Thickness and reinforcing per manufacturer.

**Side Walls:**
HL-93 Load Rating, Thickness and reinforcing per manufacturer.

**Headwall:**
6“-12” typical height. Manufacturer to provide means of connection for precast wall.
⇒ Per County Engineer drawing

**Wing Wall:**
Manufacturer to provide means of connection for precast wall.
⇒ Per County Engineer drawing

**Concrete:**
f’c = 5,000 psi @ 28 Days for culvert sections
f’c = 4,000 psi @ 28 Days for wing walls
1" Chamfer on all corners

**Connections:**
Per manufacturer’s details

Bidders may include additional information as desired.

**Anticipated date of delivery and setting:**
3/25/2019
Structure:  ATH-CR9-2.55

Units shall be bid per specifications.

The LUMP SUM bid price shall include:
Construction of precast culvert (4-sided), wing walls, and headwalls per specifications.
Delivery to job site (5240 Wildman Rd, Coolville, OH 45723).
Load Rating (HL-93) booklet for Structure.

Items to be completed by Athens County Engineer Staff:
Excavation and preparation of site.
Pour footers.
Crane and setting of structures.

The following specifications shall be the minimum accepted. Any deviation from such shall be clearly indicated on a separate sheet submitted with the bid.

Dimensions:  10' 0" Wide x 3' 0" High (ID)
            32 Feet Length of box – Skew: 14.7° RF
            ➔ Per County Engineer drawing

Top/Bottom:  HL-93 Load Rating, Thickness and reinforcing per manufacturer.

Side Walls:  HL-93 Load Rating, Thickness and reinforcing per manufacturer.

Headwall:  6"-12" typical height. Manufacturer to provide means of connection for precast wall.
            ➔ Per County Engineer drawing

Wing Wall:  Manufacturer to provide means of connection for precast wall.
            ➔ Per County Engineer drawing

Concrete:  f'c = 5,000 psi @ 28 Days for culvert sections
            f'c = 4,000 psi @ 28 Days for wing walls
            1" Chamfer on all corners

Connections: Per manufacturer’s details

Bidders may include additional information as desired.

Anticipated date of delivery and setting:  4/23/2019
Units shall be bid per specifications.

The LUMP SUM bid price shall include:
Construction of precast culvert (4-sided), wing walls, and headwalls per specifications. Delivery to job site (5240 Wildman Rd, Coolville, OH 45723). Load Rating (HL-93) booklet for Structure.

Items to be completed by Athens County Engineer Staff:
Excavation and preparation of site. Pour footers. Crane and setting of structures.

The following specifications shall be the minimum accepted. Any deviation from such shall be clearly indicated on a separate sheet submitted with the bid.

Dimensions: 10' 0" Wide x 5' 0" High (ID)
32 Feet Length of box– Skew: N/A ➔ Per County Engineer drawing

Top/Bottom: HL-93 Load Rating, Thickness and reinforcing per manufacturer.

Side Walls: HL-93 Load Rating, Thickness and reinforcing per manufacturer.

Headwall: 6“-12” typical height. Manufacturer to provide means of connection for precast wall. ➔ Per County Engineer drawing

Wing Wall: Manufacturer to provide means of connection for precast wall. ➔ Per County Engineer drawing

Concrete: f’c = 5,000 psi @ 28 Days for culvert sections
f’c = 4,000 psi @ 28 Days for wing walls
1" Chamfer on all corners

Connections: Per manufacturer’s details

Bidders may include additional information as desired.

Anticipated date of delivery and setting: 5/21/2019
Structure: ATH-CR73-3.42

Units shall be bid per specifications.

The LUMP SUM bid price shall include:
Construction of precast culvert (4-sided), wing walls, and headwalls per specifications.
Delivery to job site (5240 Wildman Rd, Coolville, OH 45723).
Load Rating (HL-93) booklet for Structure.

Items to be completed by Athens County Engineer Staff:
Excavation and preparation of site.
Pour footers.
Crane and setting of structures.

The following specifications shall be the minimum accepted. Any deviation from such shall be clearly indicated on a separate sheet submitted with the bid.

Dimensions: 8' 0" Wide x 3' 0" High (ID)
45 Feet Length of box – Skew: 32.7° RF
⇒ Per County Engineer drawing

Top/Bottom: HL-93 Load Rating, Thickness and reinforcing per manufacturer.

Side Walls: HL-93 Load Rating, Thickness and reinforcing per manufacturer.

Headwall: 6"-12" typical height. Manufacturer to provide means of connection for precast wall.
⇒ Per County Engineer drawing

Wing Wall: Manufacturer to provide means of connection for precast wall.
⇒ Per County Engineer drawing

Concrete: f’c = 5,000 psi @ 28 Days for culvert sections
f’c = 4,000 psi @ 28 Days for wing walls
1" Chamfer on all corners

Connections: Per manufacturer’s details

Bidders may include additional information as desired.

Anticipated date of delivery and setting: 6/18/2019
I/we propose to furnish and deliver the box culverts with wing walls and headwalls as specified for:

1. CR34-7.26 Structure, As Per Plan  LUMP SUM BID = $_________________________
2. TR181-0.25 Structure, As Per Plan  LUMP SUM BID = $_________________________
3. CR9-2.55 Structure, As Per Plan  LUMP SUM BID = $_________________________
4. TR27-2.10 Structure, As Per Plan  LUMP SUM BID = $_________________________
5. CR73-3.42 Structure, As Per Plan  LUMP SUM BID = $_________________________

TOTAL FOR ALL STRUCTURES = $______________________

Grand Total in Words ____________________________________________________________

The County reserves the right to award all or parts of this bid and to make a non-exclusive award. The bidder may elect to offer a percentage discount if the County would purchase all five (5) structures from the Bidder.

Percentage discount if all five (5) structures are purchased from Bidder = __________%

NAME (Company) ____________________________________________________________
Address__________________________________________________________

Phone Number (   ) ___________________ Fax (   ) _________________
E-mail address______________________________________________________
Signature_________________________________Date___________________
Name____________________________Title____________________________

Acknowledgement of Addendum(s) (if any):
Addendum(s) Received (circle if applicable)   #1   #2   #3   #4
Signature of Bidder____________________________