

ARKANSAS STATE HIGHWAY & TRANSPORTATION DEPARTMENT  
EQUIPMENT AND PROCUREMENT OFFICE  
LITTLE ROCK, ARKANSAS

October 1, 2009

NOTICE TO BIDDERS  
ADDENDUM

Bid No. M-10-021P (Job 7-966) - Culvert Replacement  
OPENING DATE: October 6, 2009

**Bid Opening Date has been extended to 11:00 a.m. October 13, 2009.**

The Special Provision for Pipe Culverts has been revised. A revised copy is attached to this addendum to replace the Special Provision in the original bid package.

**ADDENDUM TO BID INVITATION:**


1. Culvert Replacement - Replace approximately 200' of 30" CMP with 48" RCP, Fill 30" CMP and Construct Inlet and Outlet Structures in accordance with Arkansas State Highway and Transportation Department Standard Specifications, Edition 2003, Plans and Special Provisions attached to and made a part of this bid.

The successful bidder will be required to complete job within 120 days after notice to begin from District Engineer.

**ADDENDUM TO ITEMS:**

6. Allow for the alternate installation of Pre-cast Concrete Drop Inlet (Type ST) 5' x 5' x 31'
7. Allow for the alternate installation of Pre-cast Concrete Junction Box (Type ST)

**A SIGNED COPY OF THIS ADDENDUM MUST BE SUBMITTED  
WITH A SIGNED COPY OF BID INVITATION OR BID WILL BE REJECTED.**

  
FOR Danny Keene  
Division Head  
Equipment and Procurement

Company Name: \_\_\_\_\_

Vendor Signature: \_\_\_\_\_

Signature must be legible, original (not photocopied) and in ink.

**ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT**  
**SPECIAL PROVISION - REVISED**  
**JOB 7-966**  
**PIPE CULVERTS**

**DESCRIPTION:** Section 606, Pipe Culverts, of the Standard Specifications shall be expanded to include the method of jacking concrete pipe and the method of tunneling with a steel liner casing. The work shall consist of installing concrete pipe through the existing roadway embankment under Highway 7 at the location shown on the plans or as directed by the Engineer.

**CONSTRUCTION METHODS:** The culvert pipe shall be pushed through the highway embankment in conformity with the lines and grades as shown on the plans or as established by the Engineer. Approved mechanical boring devices shall be used with the pipe jacking method. If the contractor elects to use the method of tunneling with a steel plate liner casing it shall be performed in a manner approved by industry standards and approved by the Engineer.

Tolerance on grade variance will be no more than 0.1' for an entire bore.

Borings should be augered progressively ahead of the leading edge of the advancing pipe as spoil is augered or mucked back through the pipe. Annular void and overbreaks should be minimized by having cutterhead sized closely to pipe diameter and the pipe advanced with cutterhead in close proximity. Overbore should not exceed 5 percent of the pipe diameter. Water used to lubricate or cool bits must be done using a pressure gauge. Water pressure at the bore or auger head shall not exceed 10 psig in the operation.

Tunneling operation shall include installation of plate liner, cradles for pipe, sealing exterior between pipe and plate liner with approved grout or flowable fill material and other incidental items necessary for the completion of the operation.

The Contractor's operations shall be arranged so as to cause a minimum of interference with highway traffic.

Any damage done to the existing roadway or existing culverts due to the jacking operations shall be repaired by the Contractor at no expense to the State.

Reinforced Concrete Pipe Culvert (Class V) of the diameter shown on the plans or as directed by the Engineer shall be used for jacking or tunneling procedures.

The Contractor will use all precaution to prevent damage to the culvert pipe during the pipe jacking or tunneling operation and shall replace any damaged sections at his own expense.

Excavated material may be placed in the roadway embankment if approved by the engineer or otherwise disposed of by the Contractor, but will in no case be left in piles or in such locations that will obstruct drainage or present an unsightly appearance.

**BASIS OF PAYMENT:** Payment for fulfilling the requirements of this Specification shall be considered to be included in the price bid for the size and type of pipe culvert designated.