



Atchison County Road & Bridge

SCOPE OF WORK

CULVERT REPLACEMENT

Atchison County Road and Bridge invites bids for the replacement of K.3-5.0, a wooden culvert located on Chautauqua Road North of 286th Road. Specific location is shown on the attached county and vicinity maps. Specific construction requirements are indicated with this package. Contractors are also encouraged to provide alternative value engineering proposals (where possible) for consideration (i.e. slip-lining, pressure grouting, invert paving, etc.).

Project Specific conditions are listed below:

- The project will consist of demolition of the existing 17' x 16' wooden culvert
- Replacement with a 84" diameter x 40' length CMP (provided by Atchison County)
- Contractor furnished aggregate for pipe bedding and backfill
- Contractor furnished foreslope embankment placement and grading
- Roadway replacement including ditch grading as needed for positive drainage
- Riprap armoring of foreslope upstream and downstream of new culvert (including riprap aprons)

Project General conditions are listed below:

- Clearing and Grubbing and tree removal at project locations shall be the responsibility of the Contractor and included with lump sum pricing.

- Any removed concrete debris material may be used as slope stabilization provided there is no exposed reinforcing steel. Reinforcing steel will need to be cut flush with concrete debris edges.
- Removed culvert material shall become the property of the Contractor
- New pipe shall be bedded a minimum of 6" with material meeting KDOT AB3 standards.
- Pipes shall be backfilled and compacted using AB3 material in no more than 8" lifts to the spring line of the pipe. Suitable removed material may be used as backfill to within 12" of roadway surface elevation. All other excess and/or unsuitable material shall become the property of the contractor and must be removed from the site unless otherwise approved by Atchison County. Width of backfill shall be placed to allow for road and shoulder where available. Embankment slopes shall be no steeper than 2:1 unless otherwise approved by Atchison County.
- Contractor shall be responsible for any surveying. Invert elevations of upstream pipes shall be placed a minimum 6" below existing flowline generally matching the grade of the streambed, but not less than 2% minimum pipe slope profile.
- Roadway will consist of fill dirt compacted to KDOT Type B standards and will match existing roadway width.
- Backfill material must be compacted according to KDOT standard specifications for compaction (current edition).
- Rip rap material shall be D50 = 18" placed 3' thick along the embankment at the upstream and downstream ends of the new pipe per the attached detail. Riprap aprons shall extend out from culverts a minimum of 10' length with a width equal to the embankment riprap. Non-woven geotextile fabric is required at all riprap placement locations minimum weight of 10 oz (submittal of specifications to the County for review and approval will be required).
- Existing signage and/or fencing shall be removed and reset as part of the culvert replacements/repairs
- All work shall be coordinated with the Atchison County Road and Bridge Department.

- Atchison County personnel will transport the new CMP culvert material to the project sites when needed with a minimum 24 hours notice provided by the Contractor.
- Utility locates shall be the responsibility of the contractor. Any complications with existing utilities shall be immediately brought to the attention of the Road and Bridge Department for consideration.
- Atchison County Road and Bridge will be responsible for road closure notices, traffic control signs and barricades.
- Refer to drawings for additional specific requirements and conditions.
- Contractor shall maintain comprehensive general liability and property damage insurance, or commercial general liability insurance covering all operations of Contractor, its agents and employees, performed in connection with the work hereunder in an amount of at least \$500,000.00 per occurrence.
- Material and workmanship warranted for one (1) year following project completion.
- Awarded contract shall be completed within 30 days of issuance.

Interested contractors are encouraged to review the project location. Questions will be taken until 3:00 PM July 27, 2022. Submittal of a bid will be confirmation of familiarity with project conditions or exceptions so noted with bid.

Sealed bids will be accepted no later than **5:00 P.M. August 7, 2022** at the County Clerk's office located at the Atchison County Courthouse, 423 N 5th St. Atchison, KS. *Electronic bids will not be accepted.*

Bids will be opened August 8, 2022 at 1:00 P.M. at the Atchison County Courthouse.

Atchison County reserves the right to reject any or all bids or request additional information from any bidder.

Atchison County Road and Bridge

Joseph Snyder, Superintendent

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Bid Sheet					
Location	Diameter	Length	Material	Construction	Bid Amount
Chautauqua RD north of 286 RD	84"	40'	CMP (provided by AtCo)	Remove & Replace	\$

Contractor Name: _____

Contact Person: _____

Contractor Address: _____

Contractor Email: _____

Contractor Phone: _____

Bridge:
LPA #

Inspection Date: City/Co.:

Inspector(s):



NE corner erosion



Erosion at Abutment 1(S)



Abutment 2(N) timber backwall condition



Timber pile NW wing

Bridge:
LPA #

Inspection Date:

City/Co.:

Inspector(s):



Roadway looking North



Channel looking West



Channel looking East



Roadway looking South