

Bid Specifications for Culvert Replacement on Jackson St., White Bluff, TN

Replacement of Two Culverts with Associated Road and Site Work

General Information

This document outlines the bid specifications for the replacement of two existing culverts on Jackson Street in White Bluff, Tennessee. The project consists of removing the existing structures, installing two (2) new thirty-inch (30") diameter by thirty foot (30') long reinforced concrete culverts, placing rip rap protection at all culvert ends, and repairing the asphalt roadbed to pre-construction standards or better. All work shall comply with Tennessee Department of Transportation (TDOT) and local municipal standards.

All bidders must comply with the following specifications. **Bid Submission Form with required documentation must be submitted to White Bluff Town Hall, 52 Graham St., P. O. Box 300, White Bluff, TN 37187 by 3:00pm Wednesday, October 1st, 2025.**

Project Location

- Street: Jackson Street
- Town: White Bluff, Tennessee
- Specific Locations: As identified and marked on map provided by the municipality.

Scope of Work

The successful contractor shall furnish all materials, equipment, labor, supervision, insurance, and permits required to complete the following tasks:

- Mobilization and demobilization
- Site preparation and traffic control
- Removal and proper disposal of existing culverts and associated debris
- Excavation for new structures
- Installation of two (2) thirty-inch (30") diameter by thirty foot (30') long reinforced concrete culverts
- Placement of rip rap at all inlet and outlet ends of both culverts
- Restoration of embankment and surrounding areas
- Reconstruction and repair of the asphalt roadbed and surface as required
- Erosion and sediment control throughout construction
- Final site cleanup and restoration

Materials Specifications

1. Reinforced Concrete Culverts

- Quantity: Two (2)
- Size: thirty-inch (30") (internal diameter) x thirty foot (30') (length) for each culvert
- Type: Reinforced concrete pipe (RCP)
- Joints: Watertight gasketed joints, if applicable
- Markings: Each pipe section must bear manufacturer's certification and batch identification

2. Rip Rap

- Stone Type: Durable natural stone; free of shale, clay, or other deleterious materials
- Size: Class A-1 or equivalent, with average diameter of eight to twelve inches (8"-12")
- Placement: Thickness and footprint per standard TDOT detail; placed at the inlet and outlet of each culvert to prevent erosion

3. Backfill and Bedding

- Bedding: Clean, well-graded crushed stone or gravel, compacted to a stable base per TDOT standards
- Backfill: Suitable excavated material or imported fill, compacted

4. Asphalt Roadbed and Surface

- Base Material: Crushed stone base, minimum 8 inches compacted thickness or as directed by the municipality
- Binder Course: Hot-mix asphalt, minimum 2 inches compacted thickness
- Surface Course: Hot-mix asphalt, minimum 1.5 inches compacted thickness, matching existing grade and profile
- All asphalt materials and installation methods shall meet current TDOT Standard Specifications for Road and Bridge Construction

Construction Requirements

- All work shall be performed in accordance with applicable safety regulations, including but not limited to OSHA standards.
- Contractor is responsible for all necessary notifications, permits, and coordination with local authorities and utility companies.
- Traffic control shall be provided at all times in accordance with the Manual on Uniform Traffic Control Devices (MUTCD). Detours or alternating one-lane flow may be required; clear signage and flaggers must be provided as needed.

- All removed material and debris must be disposed of in accordance with local, state, and federal requirements. Proof of legal disposal shall be provided upon request.
- Excavations shall be protected, sloped, or shored as necessary to ensure the safety of workers and the public. Contractor shall prevent unauthorized access to the site.
- Culverts must be set to the correct line and grade
- Rip rap must be placed to prevent migration of fine material and ensure long-term stability.
- Asphalt pavement must be restored to a uniform, smooth surface consistent with the existing roadway, free from ridges, depressions, or visible seams.
- Any disturbed areas beyond the roadway must be restored with seed and mulch or sod, as required, to promote vegetative establishment.

Quality Control and Testing

- All materials shall be subject to inspection and approval by the owner or owner's representative before installation.
- Compaction testing for backfill and roadbed materials shall be performed as needed to verify compliance with specifications.
- Finished asphalt surface shall be tested for smoothness and compaction according to TDOT standards.

Submittals

Prior to beginning work, the contractor must submit the following for approval:

- Manufacturer's data and certification for all culvert pipe and materials
- Source and gradation of rip rap
- Proposed traffic control plan
- Construction schedule with key milestones
- Evidence of required permits and insurance

Schedule and Work Hours

- All work shall be completed within 30 calendar days of the Notice to Proceed, unless otherwise approved by the owner.
- Normal work hours are 7:00 a.m. to 6:00 p.m., Monday through Saturday. Work outside these hours requires prior approval.
- Contractor shall provide written notice at least 48 hours prior to any road closures or significant traffic impacts.

Site Restoration and Cleanup

- Upon completion of the project, all disturbed areas must be restored to pre-construction condition or better.
- All excess materials, debris, and equipment must be removed from the site.
- Contractor is responsible for removing any temporary signage, barriers, or controls once work is complete and the site is deemed safe for public use.

Payment and Retainage

- All payments will be made according to the schedule of values and completion milestones agreed upon prior to commencement.
- A retainage of 10% will be withheld until final inspection and acceptance of all work.

Warranty

- Contractor shall provide a minimum one (1) year warranty on all materials and workmanship from the date of final acceptance.
- Any defects or failures discovered within the warranty period shall be corrected at no cost to the owner.

Bid Submittal Requirements

- Completed bid form.
- List of references for similar projects completed within the past five years
- Proof of required licensure and insurance
- Proposed project schedule

Please direct any questions regarding these specifications to Jeff Martin, Town of White Bluff Projects Administrator at (615) 202-1375 or jeff.martin@townofwhitebluff.com or designee. Site visits prior to bid submittal are strongly recommended to ensure accurate bids and understanding of site conditions.

Bid Submission Form

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Bid Submission Form with required documentation must be submitted to White Bluff Town Hall, 52 Graham St., P. O. Box 300, White Bluff, TN 37187 **by 3:00pm Wednesday, October 1st, 2025.**

- Total project cost (includes labor, materials, equipment, mobilization, and incidentals)

\$ _____

- References for at least three comparable projects completed in the past five years. (use an additional sheet(s), if necessary)

1.

2.

3.

- Certificate of insurance naming Owner as additional insured for the duration of the project and applicable licenses.

- Proposed project schedule:

○ General date of availability to start project _____

○ Duration of project _____

○ Phasing plans, if any (use an additional sheet(s) if necessary)

"X" indicates approximate locations of culverts to be replaced on Jackson St. (highlighted in yellow).
Call Jeff Martin @ 615-202-1375 with any questions.

