

RCC Greenway Construction

**Roan Mountain State Park
1015 Hwy 143
Roan Mountain, TN 37687**

This request for bids is for a Contract to furnish all material, equipment, supplies, and labor necessary to construct a one and one half (1.5) -mile roller compacted concrete (RCC) pavement greenway inside Roan Mountain State Park. This work consists of constructing an approximately seven thousand nine hundred and twenty (7,920) -linear feet by five (5) -foot-wide roller compacted concrete pavement as an exposed pavement surface on a subgrade layer as shown in *Figure 1*. Pavement shall connect into existing boardwalks in areas.

General Conditions

- 1) On-Site work shall be performed between receipt of signed Contract or Purchase Order and October 1, 2026, unless granted a written exception by the TN Greenways and Trails Coordinator.
- 2) For this project, the Contractor and applicable subcontractors shall possess an active BC-B, BC-C, BC-19, or HRA-B Tennessee Contractor license prior to submitting a bid. Failure of the Contractor and applicable subcontractors to provide copies of their appropriate license shall result in the disqualification of the bid. All licenses shall be verified via Tennessee Commerce and Insurance database before project award.
- 3) The Contractor shall not assign this Contract or enter a subcontract for this project without prior written approval of TN Greenways and Trails Coordinator. The Contractor's bid shall include a Declaration of Intended Use of Subcontractor(s) form that clearly states the intent to use a subcontractor, along with their name and license number. TN Greenways and Trails Coordinator reserve the right to reject a bid in whole or a subcontractor, based upon failure to possess an appropriate active TN contractor's license. After project award, any proposed substitution or addition of a subcontractor shall require written TN Greenways and Trails Coordinator acceptance and approval before being allowed on-site or perform any work under this Contract. All subcontractors are required to have an active TN contractor license for the applicable work to be performed before and throughout the project. Any proposed subcontractor failing to meet these requirements is not allowed to perform work on any portion of this project.
- 4) All work shall comply with state-approved versions of the IBC, standards, regulations, other applicable codes, manufacturer's recommendation, and best practices. The Contractor is responsible for all permits and associated fees.

- 5) Only the TN Greenways and Trails Coordinator can approve any alterations, modifications, and substitutions of the specifications or requirements of the project. No additional work shall be authorized unless pre-approved by either the TN Greenways and Trails Coordinator in writing. The Park/Hospitality staff are not authorized to make any changes, deletions, or additions to the project or accept any portion of the work. This Contract shall be modified only by a written agreement signed by all parties. Any work performed outside of the written scope without any written change orders will be the responsibility of the Contractor or others and not the State. All questions, directives, and acceptance shall come only from the TN Greenways and Trails Coordinator.
- 6) The Contractor shall keep the jobsite clean and safe and leave in a neat and tidy manner.
- 7) All material substitutions shall be pre-approved prior to bid acceptance.
- 8) All materials shall be installed according to the manufacturers' recommendation, industry best practice, and applicable code.
- 9) All dimensions listed are approximate. The Contractor is solely responsible for verifying actual dimensions prior to ordering any materials or bidding. No allowances shall be made due to a bidder neglecting to visit the site and verifying dimensions and conditions.
- 10) All work performance under this Contract shall be under the full-time direction of the Contractor. The Contractor shall be responsible for work and performance, and damages of any subcontractors and/or independent contractors or laborers hired in connection with the work under this Contract.
- 11) The Contractor shall adhere to all applicable laws, regulations, and best practices regarding RCC construction, machinery, and tool safety. All work shall meet Best Management Practices for Roller Compacted Concrete pavements and standards identified in the most recent version of ***ACPA Guide Specification | Roller-Compacted Concrete Pavements***.

Scope of Work

1. The Contractor shall clear, grub, excavate, and prepare the subgrade by compacting soils at moisture contents and densities that will ensure uniform and stable pavement support. Prior to proof rolling the grade and placing RCC material, the Contractor shall ensure that the surface of the subgrade is clean and free of foreign material, ponded water, and frost.
2. Prior to placing RCC pavement, the Contractor shall check for any soft or yielding subgrade areas by proof rolling over the entire area to be paved. The Contractor shall correct and make any soft or yielding subgrade areas stable prior to RCC layer construction. The Contractor shall remove any unsuitable soil and replace with acceptable material. The Contractor shall allow for fifty thousand dollars (\$50,000) in base bid for addressing unsuitable soils. The Contractor shall ensure that the subgrade is uniformly moist at the time of RCC material placement. If moistening certain areas is necessary, ensure that the method of sprinkling will not form mud or pools of free-standing water.
3. The Contractor shall provide and install a minimum of four (4) -inches of #33C compacted stone subbase along the entire length and width of the new trail.
4. At the two bridges and boardwalk, the Contractor shall provide and install sufficient gabion stone to raise / ramp the finished compacted subbase and four (4) -inch RCC for a smooth transition onto these structures with a lip of no more than ¼-inch and a ramp slope of no more than five percent (5%) from starting point. The Contractor shall provide and install sufficient rip-rap to protect the exposed sides of the ramp and trail.
5. The Contractor shall provide and install a single four (4) -inch-thick lift (approximately seven thousand, nine hundred and twenty {7,920} -linear feet x five {5} -feet width) utilizing paving machine(s) equipped with a high-density screed capable of placing the RCC material to a minimum of ninety percent (90%) of the reference wet density in accordance with ASTM D1557 or equivalent test method, prior to any additional compaction. The Contractor shall furnish materials conforming to the latest version of the standard materials specifications in *Table 1* and utilize well-graded fine and coarse aggregate between the combined upper and lower limit aggregate band as shown in *Table 2*.
6. The Contractor shall utilize self-propelled vibratory dual steel drum and/or pneumatic rollers for primary and final compaction efforts to meet the in-place, wet-density requirements, as well as walk-behind vibratory rollers or plate tampers for compacting areas inaccessible to larger rollers.

The Contractor shall ensure that the finished surface, when tested with a minimum length four (4) -foot straightedge, does not vary from the straightedge by more than three hundred seventy-five hundredths (0.375) - inches (nine {9} mm) at any one point across the width of the pavement. The final surface texture after rolling and curing shall be smooth and uniform over the entire area of pavement.

7. The finished pavement surface shall be congruous with the grade of the adjacent natural ground with maximum allowable tolerance of one and one half (1.5) -inches (thirty-eight {38} mm).
8. The Contractor shall fill in shoulders with a minimum of two (2) -inches native soil, prepare disturbed areas with Harley rake, and provide and install seed and straw. Seed mixture shall be selected by Park Manager.

Additional Terms and Conditions

- 1) All aspects of this job shall be left in a finished condition: All finish work and final cleanup are included in this Contract.
- 2) The Contractor shall be responsible for determining where all utilities are on the job site and care should be taken to protect the utilities from any damage caused by the demolition/construction. This shall include any underground utilities around the job site area. If damage occurs, it shall be repaired within a twenty-four (24) -hour period from the time damage occurs.
- 3) The Contractor shall perform work on regular time and shall invoice work time and material not to exceed the quoted price. Any variance in quote shall be addressed only with a representative of the TN Greenways and Trails Coordinator before any additional work is undertaken or materials ordered.
- 4) Work shall be scheduled to avoid any interference with normal operation of the Park as much as possible. During the construction period, coordinate construction schedules and operations with the Park Manager. **Work shall be conducted during the normal business hours of Monday through Friday, 8:00 a.m. to 4:30 p.m., unless an alternate schedule is approved by TN Greenways and Trails Coordinator.**
- 5) The successful Contractor shall schedule and attend a pre-construction conference where a pre-construction form shall be signed by TN Greenways and Trails Coordinator, Contractor and Park Manager or Park representative before work can begin. The Contractor shall also schedule and attend a final inspection where a final inspection form shall be signed by TN Greenways and Trails Coordinator, Contractor and Park Manager or Park representative before final invoice shall be paid.
- 6) The Contractor shall protect areas adjacent to his work and shall be required to repair any damage they may cause. The Contractor shall protect work of other trades. The Contractor shall correct any painting related damage by cleaning, repairing, or replacing, and refinishing

as directed by TN Greenways and Trails Coordinator. The Contractor shall leave residences and other buildings in a habitable manner after hours by securing unfinished openings.

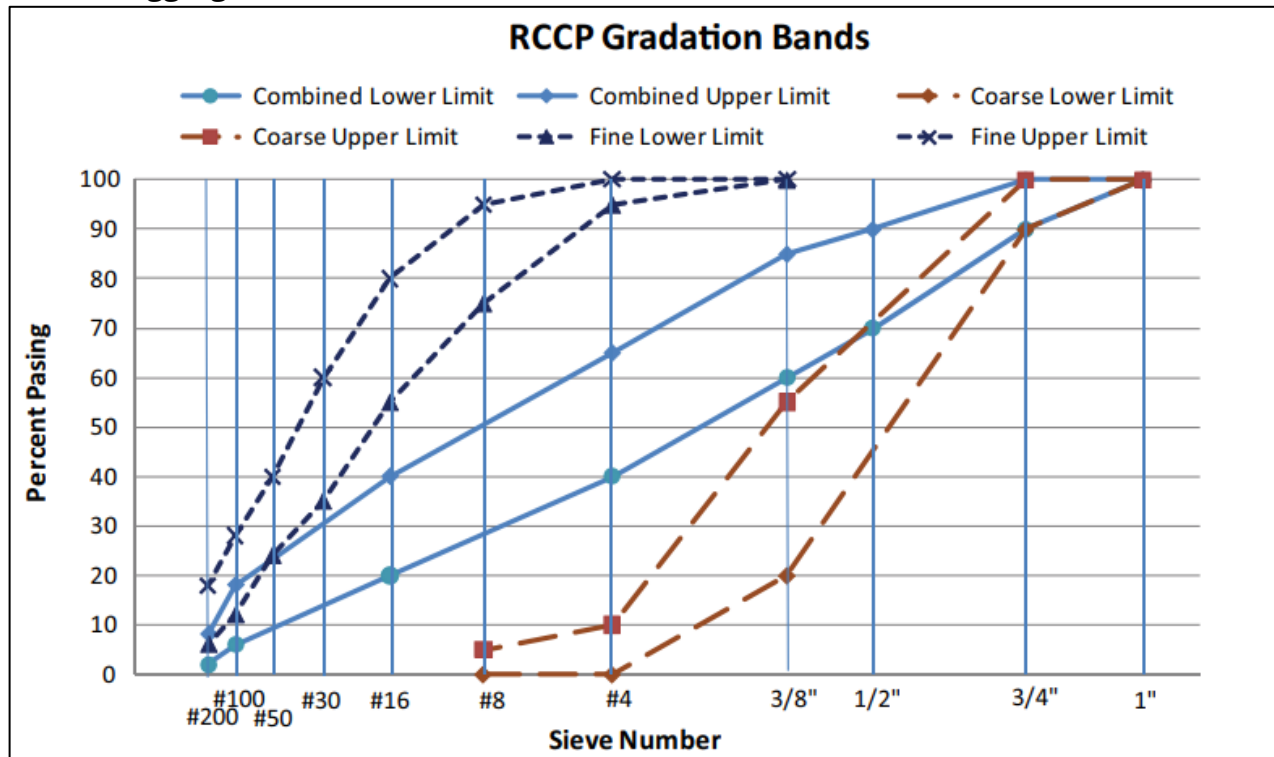
- 7) Workmanship shall be warrantied for not less than one year from date of final inspection. Materials shall be warrantied as per manufacturer's warranty.
- 8) Unless otherwise indicated, all materials, equipment, and supplies shall be new and in good condition, UL listed when applicable, and all work accomplished in a manner acceptable to TN Greenways and Trails Coordinator.
- 9) Clean up of the project site shall be the responsibility of the Contractor. The Contractor shall assure that job site is clean of all materials and debris at end of each day to ensure safety. The Contractor shall clean up and haul away all scrap when work is completed to an approved location off State property.
- 10) At all times, the Contractor shall have a copy of project specifications, permits, and Certificate of Insurance on-site.
- 11) The Contractors and all subcontractors are not authorized to day laborers or temporary labor on this project without the express written permission of TN Greenways and Trails Coordinator.
- 12) Note: Before the Contract resulting from this Invitation to Bid is signed, the apparent successful proposer shall be registered with the Department of Revenue for the collection of Tennessee sales and use tax. The State shall not approve a Contract unless the proposer provides proof of such registration. The foregoing is a mandatory requirement of an award of a Contract pursuant to this solicitation.
- 13) Invoice shall be submitted for payment not before project completion and final project acceptance but also no later than ten (10) days after project completion and acceptance. A copy of the invoice shall be submitted to: Deborah Quist, 160 State Circle, Rocky Top, TN 37769 or Deborah.g.smith@tn.gov.
- 14) TN Greenways and Trails Coordinator Contact for this project is Tom Lamb, 865-469-0555, Thomas.lamb@tn.gov.

Figure 1. Roan Mountain State Park Greenway Routing



Table 1. Standard Materials Specifications

Material	ASTM Specification
Aggregate – Coarse	C33
Aggregate – Fine	C33
Chemical Admixtures	C494
Concrete - Made by Volumetric Batching and Continuous Mixing	C685
Concrete – Ready Mixed	C94
Curing - Liquid Membrane-Forming Compounds	C309
Curing – Sheet Materials	C171
Curing –Emulsified Asphalt	D977
Fly Ash or Calcined Natural Pozzolan	C618
Ground Granulated Blast Furnace Slag	C989
Hydraulic Cement (Performance Specification)	C1157
Portland Cement	C150
Portland Cement – Blended	C595
Silica Fume	C1240
Water	C1602

Table 2. Aggregate Gradation Limits

Declaration of Intended Use of Subcontractor(s)

(To be Completed by Prime Contractor and submitted with bid)

Project Name: **Roan Mountain State Park, RCC Greenway Construction**

License Requirement of Project: active **BC-B, BC-C, BC-19, or HRA-B** Tennessee Contractor

Prime Contractor Name: _____

Prime Contractor License Type: _____ Number: _____

Please Initial the appropriate box

_____ I do not intend to use a subcontractor(s) on this project.

_____ I intend to use the following subcontractor(s) on this project. All subcontractors working in a licensed trade are required to possess a valid contractor license for work planned/ performed, as long as their portion of work is \$25,000 or more.

Subcontractor Name	Trade	License Type	License #

By signing, I understand that any additions or changes regarding the use or substitution of subcontractor(s) requires written pre-approval of TN Greenways and Trails Coordinator prior to subcontractor performing work under this project. Their contractor license information is required and shall be verified prior to approval. The use of day laborers/ temporary help is not authorized on this project.

Contractor Signature: _____

Date: _____