

***Colonel Ruby Bradley Bridge  
Roane County  
State Project # U344-33-12.76  
Federal Project # STP-0033(243)D  
FR#: 16-146-RO***



***STATE LEVEL OF HISTORIC DOCUMENTATION***

***October 2019***

***West Virginia  
Department of Transportation  
Division of Highways  
Engineering Division  
Environmental Section  
(304) 558-2885***

## STATE LEVEL HISTORIC DOCUMENTATION COLONEL RUBY BRADLEY BRIDGE

Location: US Route 33, over Spring Fork  
Spencer  
Roane County  
West Virginia

USGS Spencer Quadrangle

Date of Construction: 1932

Builder: Haynes Construction Company

Present Owner: West Virginia Department of Transportation  
Division of Highways  
1900 Kanawha Boulevard, Building 5, Room A-110  
Charleston, WV 25305

Present Use: Vehicular Bridge

Significance: The Colonel Ruby Bradley Bridge is significant for its engineering design and technology

Project Information: The project has been undertaken due to the poor condition of the bridge. Any future deterioration of the bridge would result in its closure, the existing bridge warrants replacement. The documentation was undertaken in July 2019 accordance with a Memorandum of Agreement among the West Virginia Department of Transportation and West Virginia State Historic Preservation Office. These measures are required prior to replacement of this National Register eligible structure.

Sondra L. Mullins, Historical Services Unit Leader  
West Virginia Division of Highways  
Charleston, WV 25301  
September 30, 2019

The Colonel Ruby Bradley Bridge is in the Town of Spencer in Roane County on US 33, over Spring Creek. The bridge was built in 1932 and was rehabilitated in 1996. It has a 30-foot roadway and was originally designed for two lanes of traffic, but was converted to three lanes in the 2000's. The bridge is named after hometown hero Colonel Ruby Bradley, the most decorated woman in United States military history.



The existing bridge consists of five spans of cast-in-place concrete T-Beams supported on three-column piers and wall-type abutments. The bridge carries three lanes of traffic and two sidewalks with an overall deck width of 42 feet and an overall length of 227 feet. West of the bridge, US Route 33 is Main Street, composed of three lanes with an overall roadway width of 39 feet with sidewalks on east side. The eastern approach roadway to the bridge expands to four lanes at the intersection with Williams Drive. The current average daily traffic (ADT) for this crossing is 10,300 and 13,800 for the traffic year of 2033. Over the years the bridge has been repaired several times. The bridge is listed in poor condition and in need of replacement.

The Colonel Ruby Bradley Bridge is eligible for the National Register of Historic Places under Criterion C for its engineering significance. The bridge displays high artistic value through the combination of decorative lamp posts, brackets, and massive piers with arched detail.



## BIBLIOGRAPHY

KCI and Mead & Hunt. West Virginia Statewide Historic Bridge Survey: Final Survey Report. May 2014.

West Virginia Division of Highways, Bridge Files, Maintenance Division, Building 5, Capitol Complex, Charleston, West Virginia.

West Virginia Division of Highways, *Phase 1 Cultural Resources Management Report – Colonel Ruby Bradley Bridge*, Engineering Division, 1334 Smith Street, Charleston, West Virginia, November 2015.

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Photo #1 - Bridge plaque



Photo #2 - US Geodetic Survey Benchmark



Photo #3 - Bridge and stream sign with decorative railing and lamp post



Photo #4 - Looking upstream from bank





Photo #5 - Elevation view looking upstream



Photo #6 - Elevation view looking downstream



Photo #7 - Concrete parapet railing



Photo #8 - Bridge milepost and builder plaque





Photo #9 - Creek view looking upstream



Photo #10 - Bridge plaque at abutment two



Photo #11 - View of underneath the bridge at abutment 1 & pier 4



Photo #12 - Creek view looking downstream





Photo #13 - Bridge deck and railing



Photo #14 - Railing and lamppost on abutment two side







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Photographer: Sondra Mullins

July 2019

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No original plans exist. Attached is the 1997 Bridge Inspection Report.