



South Carolina
Department of Transportation

KERS
#26938
NHPA
18-JW0008

December 14, 2018

Joseph E. Wilkinson
Review Coordinator for Transportation Projects
State Historic Preservation Office
SC Department of Archives & History
8301 Parklane Road
Columbia, SC 29223

RE: Phase I Cultural Resources Survey of the U.S. 521 over Big Pine Tree Creek Bridge Replacement

Dear Mr. Wilkinson:

Please find attached a copy of the above-referenced report that describes cultural resources investigations conducted for the proposed replacement of the bridge that carries U.S. 521 over Big Pine Tree Creek in **Kershaw County**, South Carolina. The bridge replacement plans have not been finalized, but the structure will be replaced either on current alignment or slightly to the west of the current alignment. The preferred alternative for the replacement of the bridge is replacement on current alignment.

The cultural resources survey area included a 0.7-mile (1.13-km) portion of U.S. 521 as well as a 475 foot stretch of Ehrenclou Drive extending to the west from its intersection with U.S. 521. The Area of Direct Effect (ADE) for the project, which was subjected to archaeological survey, extends 200 feet from the centerline of U.S. 521 and 100 feet from the centerline of Ehrenclou Drive. The Area of Potential Effect (APE) for the project, which was examined for above-ground resources, was defined as a 300 foot buffer around the ADE.

One new archaeological site, ^{38KE1173}~~38KE1178~~, was recorded during the survey, and one isolated find was documented.

The isolated find, ISO 1, consisted of two non-diagnostic quartz flakes recovered from a single shovel test pit. Delineation shovel tests excavated in the area surrounding the positive test were sterile. As an isolated find, ISO 1 is **not eligible** for the National Register of Historic Places (NRHP).

Site ¹¹⁷³~~38KE1178~~ is a canal known as the Big Pine Tree Creek Canal. The canal extends approximately 400 meters to connect two sections of the Big Pine Tree Creek channel, and is about 10 meters wide. Timber elements believed to comprise the remains of a lock or dam were found in a portion of the canal. Historical research suggests that the canal dates to the late 18th century. Site ~~38KE1178~~¹¹⁷³ is recommended **eligible** for the NRHP under Criteria A and B, due to its association with early canal building and commerce in South Carolina, and for its association with John Christian Senf, an important figure in canal building in South Carolina. The canal may also be eligible under Criteria C and D.

One previously recorded archaeological site, 38KE1122, the remains of a late 19th/early 20th century brickworks, was revisited during the survey. Disturbances to the site that appeared to



be related to the installation of silt fencing were documented on a portion of this site, but these disturbances were mostly confined to areas within the previously disturbed roadway right of way. The NRHP eligibility of 38KE1122 is **unassessed** pending further testing.

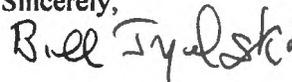
The preferred (on-alignment) option for the proposed replacement of the U.S. 521 bridge should result in no impacts to previously undisturbed portions of the archaeological sites identified or revisited during the current survey. As such, the proposed bridge replacement should not damage elements contributing to the NRHP eligibility of site 38KE1178³ or potentially contributing to the eligibility of site 38KE1122.

The architectural resources survey resulted in the documentation of one previously unrecorded structure. Resource # 1855 is the circa 1940 T-beam bridge that carries U.S. 521 over Big Pine Tree Creek. The bridge is a common type and has been extensively altered since it was initially constructed. Resource # 1855 is therefore recommended **not eligible** for the NRHP.

If the preferred alignment for the US 521 bridge replacement is selected and no alternative is chosen that alters or varies from the construction limits proposed for this alignment, the department has determined that **no historic properties will be affected** by this undertaking. Should project plans change or construction limits be extended, as a result of a change in the preferred alternative or for other reasons, further consultation and investigation may be necessary to determine the potential effects of this undertaking.

Per the terms of the Section 106 Programmatic Agreement executed on October 6, 2017, the Department is providing this information on behalf of the Federal Highway Administration. It is requested that you review the enclosed material, and, if appropriate, indicate your concurrence in the Department's findings. Please respond within 30 days if you have any objections or if you have need of additional information.

Sincerely,



Bill Jurgelski
Archaeologist

WMJ:wmj

I (~~do not~~) concur in the above determination.

Signed: Joseph E. Wilkinson Date: 12/14/2018

ec: Shane Belcher, FHWA
Bryan Printup, Tuscarora Nation
Russell Townsend, Eastern Band of Cherokee Indians
Stephen J. Yerka, Eastern Band of Cherokee Indians
Elizabeth Toombs, Cherokee Nation
LeeAnne Wendt, Muscogee (Creek) Nation

cc: Wenonah G. Haire, Catawba Nation
Sheila Bird, United Keetoowah
Keith Derting, SCIAA

File: ENV/WMJ