

# Appendix F-2: Proposed Refinements Historic Architecture Technical Report

## Durham-Orange Light Rail Transit Project



*Connecting all points of the Triangle*

Report Prepared by New South Associates, Inc.  
Mary Beth Reed – Principal Investigator  
Ellen Turco – Historian and Co-Author  
Scott Morris – Historian and Co-Author

Reviewed by HDR, Inc.  
Josh Fletcher, RPA –  
Cultural Resources Specialist

**June 2018**



# Supplemental Environmental Assessment Architectural Resources Technical Report

## Attachment F-2d: Resumes of Principal Investigators

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**MARY BETH REED**  
**PRESIDENT/DIRECTOR OF HISTORY**  
mbreed@newsouthassoc.com

## **EDUCATION**

M.A., American Civilization, University of Pennsylvania, 1983  
B.A., Anthropology, University of Arizona, 1976

**YEARS EXPERIENCE:** 27 years **with New South Associates:** 24 years

## **SUMMARY OF EXPERIENCE**

Mary Beth Reed serves New South as Principal Investigator for History and has more than 27 years professional experience in the Southeast, Southwest, and Mid-Atlantic. Ms. Reed has directed research in Arkansas, Alabama, Florida, Louisiana, South Carolina, North Carolina, Georgia, Illinois, Utah, New Jersey, Pennsylvania, Tennessee, Virginia, Maryland, and Washington, D.C. She has worked for various private and governmental clients, including the United States Army Corps of Engineers (USACE) Mobile, Wilmington, Savannah, and Fort Worth districts; the National Park Service; the USDA Forest Service; Departments of Transportation; utilities; and various state agencies. Ms. Reed has considerable federal experience throughout the southeastern U.S. and in the Republic of Panama. She has directed work for several USACE projects, has served as Principal Investigator for the Savannah River Site History Project for the Department of Energy, and continues to work with Cold War preservation planning for the Savannah River Site. Ms. Reed and two others were recently awarded the 2011 M.C. Robinson Prize for Historical Analysis from the National Council on Public History for her work on “The Ranch House in Georgia: Guidelines for Evaluation”. She was also named one of the Outstanding Women in Historic Preservation In Georgia by the Secretary of State in 2002. Ms. Reed’s areas of specialization include management of historic preservation projects; land use history; local history/community studies; architectural, agricultural, and industrial history; urban architecture/history; Cold War history; history of technology; history of granite quarrying; and National Register nominations and survey.

## **SUPERVISORY EXPERIENCE**

- 2016 Principal Investigator.** Cultural Resources Visual Site Assessment for Changes to Lodging Development Management Plan (LDMP) on Privatization of Army Lodging (PAL) Parcel A Aberdeen Proving Ground, Aberdeen, Harford County, Maryland. Directed the historic architecture survey for the Swan Creek Inn Project. Work was conducted for Tetra Tech and the U.S. Department of Defense.
- 2016 Project Manager.** Mountain Valley Pipeline Cultural Resources Survey, Virginia. Supervised reconnaissance architectural resource survey of a 98-mile long pipeline corridor. Survey was in excess of 5,000 acres and located 249 resources outlined in 8 separate survey and effects reports. Work began in 2014 and is ongoing. Work was conducted for Tetra Tech and the Federal Energy Regulatory Commission.
- 2016 Principal Investigator.** Charleston County Historic Resources Survey Update. Supervised the update of the 1992 Charleston County survey which included the survey of 1,319 properties as well as conducting three public meetings and a public workshop. Work conducted for Charleston County Zoning and Planning Department.

## **SUMMARY OF PUBLICATIONS AND PRESENTATIONS**

Author or co-author of one-hundred thirty-one (131) cultural resource management reports, one (1) cultural resource management plan, five (5) historic preservation plans, three (3) histories/popular histories, fifteen (15) historic properties/historic architecture documentations, four (4) research designs, (1) professional publication, and six (6) presented papers and symposia.

**ELLEN TURCO**  
**SENIOR HISTORIAN/ARCHITECTURAL HISTORIAN**  
**NEW SOUTH ASSOCIATES, INC.**

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Greensboro, NC 27401  
eturco@newsouthassoc.com

**EDUCATION**

M.A., Public History, North Carolina State University, 1995  
B.A., Philosophy, Eckerd College, 1992

**YEARS EXPERIENCE:** 20 years **with New South Associates:** 5 years

**SUMMARY OF EXPERIENCE**

Ellen Turco has 20 years of experience conducting architectural and cultural resource surveys in North Carolina, South Carolina and Virginia. Ms. Turco has most worked on projects for the Virginia Department of Transportation, the North Carolina State Historic Preservation Office and local governments. She meets the National Park Service's Professional Qualifications Standards as an Architectural Historian.

- Historic and architectural resource survey
- National Register nominations
- National Register evaluations
- Section 106 compliance

**KEY EXPERIENCE**

**2013 Author and Architectural Historian.** *Intensive-Level Historic Architectural Analysis of Myatt's Mill Complex for the Replacement of Bridge 277 on SR 1006 (Old Stage Road) over Black Creek.* NRHP evaluation of twentieth-century recreational site that included a store, former grist mill, rental housing units, and landscape features such as a pond and dam, and circulation patterns. Identified historical trend and developed local context for millponds converted from agricultural production to recreational uses.

**2011 Architectural Historian.** *Historic American Engineering Record (HAER) Documentation of C.M. Thomas Coal Trestle.* Supervised production of large-format photography and measured as-built drawings, developed history and context for industrial coal trestles. Completed in fulfillment of Memorandum of Agreement between NC SHPO and the Federal Highways Administration.

**REPRESENTATIVE TECHNICAL REPORTS**

2013 Lowry, Sarah, Shawn Patch, Lauren Souther, and Ellen Turco. *Geophysical And Archaeological Survey of the Proposed Currituck Ferry Landing Improvements, Currituck County, North Carolina.* Report submitted to North Carolina Department of Transportation.

2013 Turco, Ellen. *Historic Context for Stronarch's Alley City Block, Raleigh, North Carolina.* Work performed for Raleigh Historic Development Commission, Inc.

**SCOTT MORRIS**  
**ASSISTANT HISTORIAN/ARCHITECTURAL HISTORIAN**  
**NEW SOUTH ASSOCIATES, INC.**  
smorris@newsouthassoc.com

## **EDUCATION**

M.H.P., Heritage Preservation, Georgia State University – 2016  
B.A., Anthropology, Arizona State University – 2001

## **SUMMARY OF EXPERIENCE**

Scott Morris served New South Associates as a Field Assistant and Lab Analyst for 9 years prior to assuming his role as an Assistant Historian and Architectural Historian. He has conducted historical research, completed architectural surveys and evaluations, produced technical reports, and completed a National Register of Historic Places (NRHP) nomination. Mr. Morris has conducted fieldwork in Georgia, South Carolina, and Puerto Rico.

## **AREAS OF EXPERTISE**

- Architectural History of Georgia and the Southeast
- 20<sup>th</sup> Century Architecture

## **KEY PROJECT EXPERIENCE**

- 2018-present American Small House Guidelines.** Mr. Morris is developing guidelines for the identification, documentation, and evaluation of American Small Houses in the state, providing a history and typology of the style and procedures for its documentation and National Register evaluation. Work conducted for the Georgia Department of Natural Resources, Historic Preservation Division.
- 2017 NRHP Multiple Property Documentation of Puerto Rico Army National Guard Facilities, Puerto Rico.** Mr. Morris surveyed thirty-three National Guard armories and associated facilities across the island of Puerto Rico and created an architectural typology for these resources. Work was conducted for the Army Corps of Engineers.
- 2017 Architectural Survey for Road Improvements in Gwinnett County, Georgia.** Mr. Morris conducted field investigations and reported on historic resources within the limits of fourteen road improvement projects. Work was completed for the Georgia Department of Transportation.
- 2017 Architectural Survey of Buena Vista Road, Muscogee County, Georgia.** Mr. Morris surveyed a mile-long portion of Buena Vista Road, documenting historic residential districts, commercial buildings, and individual houses. Work was completed for the Georgia Department of Transportation.
- 2017 Moody Air Force Base Facility Inventory.** Conducted buildings and structures survey of 182 Cold War resources at Moody Air Force Base. Work conducted for Potomac-Hudson Engineering and the U.S. Army Corps of Engineers.
- 2017 Cartersville-Bartow County Airport Cultural Resources Survey, Bartow County, Georgia.** Conducted historic resources survey for the Old Alabama Road storm drainage system and land acquisition for Cartersville-Bartow County Airport runway approach. Work conducted for Croy Engineering.

**JACKIE H. TYSON**  
**HISTORIAN/ARCHITECTURAL HISTORIAN**  
jtyson@newsouthassoc.com

## **EDUCATION**

M.H.P., Historic Preservation, University of Kentucky – 2006  
B.A., Anthropology, Georgia State University – 2001

**YEARS EXPERIENCE:** 14 years **with New South Associates:** 8 years

## **SUMMARY OF EXPERIENCE**

Jackie Tyson has considerable experience in conducting historic research, historic architectural surveys and evaluations, National Register of Historic Places (NRHP) eligibility determinations, and produces technical reports. Ms. Tyson has conducted professional projects and research for the Georgia State Historic Preservation Office (SHPO) and is familiar with the compliance review procedures and personnel in the State of Georgia. She has experience working in Georgia, Florida, South Carolina, North Carolina, Kentucky, West Virginia, Mississippi, Alabama, Washington, and Pennsylvania. Ms. Tyson is well versed in the historic architecture of Georgia and in architectural survey and evaluation. Ms. Tyson's areas of expertise include:

- Architectural history survey
- Section 106 compliance
- NEPA compliance for cultural resources
- Historic research and context development
- Public history/interpretive materials

## **KEY PROJECT EXPERIENCE**

- 2017**        **Historian.** Fort Jackson History. One of two historians that prepared a history of Fort Jackson, South Carolina in celebration of the fort's 100th anniversary. Conducted historic research, helped to define the fort's periods of significance, and collaborated to write the report. She also contributed to illustrated popular report. The study was conducted for Mission & Installation Contracting CMD.
- 2015**        **Historian.** Georgia Department of Natural Resources Historic Context. Created a booklet/brochure that narrates the history of Georgia's Department of Natural Resources. Work conducted for the Department of Natural Resources.
- 2014**        **Project Manager.** Army Material Command, Various Integrated Cultural Resource Management Plans (ICRMP).
- 2011**        **Historian.** Integrated Cultural Resource Plan (ICRMP) Update for Red River Army Depot, Texas. Served as preservationist and author on an update to the ICRMP including the cultural resources, management requirements, and procedures at the Red River Army Depot, located in Bowie County, Texas.
- 2010-2011**    **Historian.** Natchez World War I Veterans Plaques Project. Completed in-depth research to update WWI veterans memorial plaques for the U.S. Courthouse in Natchez, MS. On-going project includes producing an exhibit for the courthouse interpreting the original 1924 plaques, which omitted African American veterans.



## Josh Fletcher, RPA

Cultural Resources Specialist

Josh Fletcher has more than 15 years of experience in contributions to NEPA documents and project management. Before joining HDR, Josh was a senior project manager for Brockington and Associates for 20 years and has worked with HDR on a large number of transportation and energy projects. His experience includes community outreach, extensive cultural resources management, consultation, and mitigation efforts, and coordination with SHPO offices.

### EDUCATION

MA, Archaeology, University of South Carolina, 1999

BS, Architectural Design, Clemson University, 1993

### REGISTRATIONS

Register of Professional Archaeologists, United States

### OFFICE LOCATION

North Charleston, SC

### INDUSTRY TENURE

20 years

### HDR TENURE

<1 year

### PAPERS

2010. *This Grand House--R. T. Wilson, Jr.'s Palmetto Bluff*. Paper presented at Forty-Third Annual Meeting of the Society for Historical Archaeology Conference, Amelia Island, Florida.

### PROFESSIONAL MEMBERSHIPS

Council of South Carolina Professional Archaeologists

Register of Professional Archaeologists

### RELEVANT EXPERIENCE

#### **SC 41 Improvements, Charleston and Berkeley Counties, SC**

Charleston County, the Town of Mount Pleasant and SCDOT are partnering to improve capacity and ease traffic congestion within the SC 41 corridor. The project study area extends from Clements Ferry Road in Berkeley County to US 17 in Charleston County. Proposed improvements may include improvements to SC 41 and/or other existing roadways within the corridor. Alternatives that include segments of new location roadways are also being considered. The NEPA process is underway and preliminary alternatives are being developed based on collected data.

**Role:** Community Characterization Report Lead and QA/QC for Cultural Resources Technical Reports

#### **Berlin G. Myers Parkway, Phase III, Summerville, SC**

This project is a new location, limited access roadway that runs parallel to the existing Sawmill Branch. Sawmill Branch was channelized more than forty years ago as part of a federal flood control project. Josh led the writing for the Environmental Justice document for the EA and was a QA/QC reviewer for the cultural resource sections.

**Role:** Lead Writer and QA/QC

#### **Carolina Crossroads (I-26/I-20/I-126) Environmental and Engineering Services, Columbia, SC**

HDR is providing engineering and environmental services for the preparation of an EIS, right of way plans and final construction plans for improvements to the I-20/26/126 corridor in Richland and Lexington Counties. Relevant services include notice of intent, project scoping (surveying and mapping, public involvement, purpose and need, traffic studies and analysis, and alternatives analysis), preparation of draft and final EIS, technical memorandums, assistance with record of decision and administrative record.

**Role:** NEPA Writer and QA/QC Reviewer for Cultural Resources Technical Documents and EIS Chapter

#### **Silicon Ranch Corporation (SRC) and Tennessee Valley Authority (TVA), Jonesborough Solar Tract, Washington County, TN**



As a subconsultant to HDR, Josh managed the cultural resources survey for a potential solar farm in Jonesborough. The cultural resources team used new GIS modeling technology to determine if the proposed solar farm would have a visual effect on nearby historic architectural resources identified and assessed during the cultural resources survey.

**Role:** Cultural Resources Project Manager

**UC Synergetic, Summerville-Pepperhill 230 kV Transmission Line, Berkeley and Charleston Counties, SC**

Josh managed the cultural resources survey for UC Synergetic and SCE&G. The transmission line corridor stretched for 7.5 miles and passed through several previously recorded archaeological sites and historic districts. Josh consulted with the SC State Historic Preservation Office (SC SHPO) and the clients to minimize effects to these historic resources.

**Role:** Cultural Resources Project Manager

**Charleston County, Palmetto Commerce Parkway Extension Phase II Project, Charleston County, SC**

Phase II extended four lanes of all new roadway beginning where Phase I ended and continuing to Ashley Phosphate Road at North Spartan Road. The project included an additional 3.9 miles of roadway, landscaped median, divided four-lane roadway, multi-use path and traffic signals. Josh managed the cultural resources survey and consulted extensively with the client and the SC SHPO, since it was determined that the project would have an adverse effect on NRHP-eligible 18<sup>th</sup> century inland rice fields identified during the cultural resources survey. The mitigation package included a number of products and outreach materials to educate the public about the rich and important history of the project area.

**Role:** Cultural Resources Project Manager

**Charleston County, Palmetto Commerce Parkway Phase III Project, Charleston County, SC**

Charleston County proposed to develop the Palmetto Commerce Parkway Phase 3 Project in North Charleston in order to develop a connection from Ladson Road to Aviation Avenue. Josh managed the cultural resources survey and consulted with the USAF and local historical groups.

**Role:** Cultural Resources Project Manager

**US 21 Harbor River Bridge Replacement Design-Build Preparation Services, Beaufort County, SC**

This historic US 21 bridge, built in 1939, connects St. Helena Island with Harbor Island. The main crossing is over the Harbor River. The project lies in the Salkehatchie Coastal Frontage Basin watershed which is comprised of a collection of sea islands and Hunting Island State Park. Josh managed the cultural resources survey, consulted with the Gullah Geechee Heritage Corridor organization, and aided in completing the Section 4(f) document.

**Role:** Cultural Resources Project Manager

**Charleston County, Maybank Highway Improvements Project, Johns Island, SC**

Charleston County's proposed improvements along Maybank Highway from River Road extends approximately one mile east and ends at the Paul J. Gelegotis Bridge over the Stono River. Josh managed the cultural resources survey and consulted with the SC SHPO on possible effects that the project may have on the surrounding Fenwick Historic District.

**Role:** Cultural Resources Project Manager

**Charleston County, I-526 Improvements Project, North Charleston, SC**

This eight-mile segment of Interstate I-526 was identified by the SCDOT for evaluation of future improvements to reduce congestion. To identify the many strategies available for congestion relief and improved capacity of I-526, the project will be pursued in three phases of work. As a subconsultant, Josh managed the cultural resources survey for the SCDOT and consulted with cultural resources staff at the SCDOT and SC SHPO on possible project effects on an NRHP-eligible archaeological site identified during the survey.

**Role:** Cultural Resources Project Manager

