

RECORD OF DECISION ATTACHMENT A: FINAL SECTION 106 MEMORANDUM OF AGREEMENT



D.C. TO RICHMOND SOUTHEAST HIGH SPEED RAIL

**MEMORANDUM OF AGREEMENT
AMONG THE VIRGINIA HISTORIC PRESERVATION
OFFICE, THE FEDERAL RAILROAD ADMINISTRATION,
ADVISORY COUNCIL OF HISTORIC PRESERVATION,
AND THE VIRGINIA DEPARTMENT OF RAIL AND
PUBLIC TRANSPORTATION REGARDING THE
WASHINGTON, D.C. TO RICHMOND, VIRGINIA
SOUTHEAST HIGH SPEED RAIL PROJECT**

WHEREAS, the Federal Railroad Administration (FRA) and the Federal Highway Administration, in cooperation with North Carolina Department of Transportation and Virginia Department of Rail and Public Transportation (DRPT), completed a Tier I Final Environmental Impact Statement and Record of Decision in accordance with the National Environmental Policy Act (NEPA) (42 U.S.C. § 4321 *et seq.*) in July and October 2002, respectively, for the proposed Southeast High Speed Rail corridor from Washington, D.C. to Charlotte, North Carolina, (SEHSR Project), which determined the preferred corridor for detailed analysis in Tier II environmental studies for individual portions of the larger corridor; and

WHEREAS, a Programmatic Agreement developed pursuant to 36 C.F.R. § 800.14(b) among FRA, the Virginia State Historic Preservation Office (Virginia SHPO), North Carolina State Historic Preservation Office, DRPT, the North Carolina Department of Transportation, Rail Division, and the Advisory Council on Historic Preservation (ACHP) was signed on April 12, 2016 for the SEHSR Project (the SEHSR PA); and

WHEREAS, Stipulation VIII of the SEHSR PA requires that FRA, in consultation with the Virginia SHPO, DRPT, and ACHP, if participating, develop a Memorandum of Agreement (MOA) should a project have an adverse effects on historic properties; and

WHEREAS, FRA, Virginia SHPO, DRPT, and ACHP, if participating, are Signatories to this MOA to assure that ensuing stipulations are met; and

WHEREAS, DRPT proposes to construct a 123-mile portion of the SEHSR Project that involves construction of infrastructure improvements to support increased frequency and higher-speed intercity passenger rail service in the travel corridor between Washington, D.C. and Richmond/Centralia, Virginia (DC2RVA), such as constructing additional main line tracks and track crossovers, straightening curves in existing tracks, improving intercity passenger stations and station areas, improving sidings and signals, and implementing roadway crossing safety improvements, within a long-established surface transportation corridor (Project); and

WHEREAS, FRA anticipates receiving a future request from DRPT to provide federal financial assistance to construct the Project, including activities such as design, property

acquisition, and demolition, though funding sources have not yet been determined, and it is expected that there will be a combination of federal, state and local funding that may be allocated in phases; and

WHEREAS, if FRA provides federal financial assistance to construct the Project, the Project would constitute an undertaking under Section 106 of the National Historic Preservation Act (NHPA) as amended (54 U.S.C. § 306108) (Section 106); and

WHEREAS, the NHPA and the SEHSR PA require FRA, as the lead federal agency for the Project, to take into account the effects of its undertakings on properties included in or eligible for inclusion in the National Register of Historic Places (NRHP), including consultation with other parties, and to provide ACHP a reasonable opportunity to comment prior to commencement of work on the Project; and

WHEREAS, FRA is the Project's lead federal agency for the Tier II environmental study under the NEPA and pursuant to the NEPA, FRA prepared and published a Draft Environmental Impact Statement (Draft EIS) in September 2017, and a Final Environmental Impact Statement (Final EIS) in summer 2019 for the Project, which is being coordinated with the Section 106 process pursuant to 36 CFR 800.8(a); and

WHEREAS, pursuant to 36 C.F.R. § 800.2(c)(4), FRA has requested DRPT participate in consultation and, by letter dated December 11, 2014, has authorized DRPT to initiate consultation with the Virginia SHPO; and

WHEREAS, pursuant to 36 C.F.R. § 800.6(c)(2)(iii), FRA has consulted with DRPT and has invited them to sign this MOA as an Invited Signatory to this MOA; and

WHEREAS, pursuant to 36 C.F.R. § 800.2(c), FRA identified Native American tribes, local governments and other groups with a vested interest in the prehistory and history of the project area (Consulting Parties) to potentially participate in the process; and

WHEREAS, pursuant to 36 C.F.R. § 800.2(c)(2), FRA invited the Pamunkey Indian Tribe, Chickahominy Indian Tribe, Eastern Chickahominy Indian Tribe, Upper Mattaponi Indian Tribe, Rappahannock Indian Tribe, Nansemond Indian Tribe, Monacan Indian Tribe, and Catawba Indian Nation participate in consultation in letters sent in July 2015 and February 2018; and

WHEREAS, on February 23, 2018, the Upper Mattaponi Indian Tribe accepted FRA's invitation; and

WHEREAS, the remaining tribes did not respond to the invitation, but FRA is assuming that the Virginia-based tribes (Pamunkey Indian Tribe, Chickahominy Indian Tribe, Eastern Chickahominy Indian Tribe, Rappahannock Indian Tribe, Nansemond Indian Tribe, and Monacan Indian Tribe) are Consulting Parties and are treating them as such; and

WHEREAS, pursuant to 36 C.F.R. § 800.2(c)(3), FRA, invited the following local governments to be Consulting Parties between January 2015 and July 2018, and they have elected to participate: Arlington County, Caroline County, City of Alexandria, City of Fredericksburg, City of Richmond, Hanover County, Prince William County, and Town of Ashland; and

WHEREAS, pursuant to 36 C.F.R. § 800.2(c)(3), FRA, invited the following local governments to be Consulting Parties between January 2015 and July 2018, and each group either elected to not participate or did not reply to the invitation: Fairfax County, Henrico County, Spotsylvania County, and Stafford County; and

WHEREAS, pursuant to 36 C.F.R. § 800.2(c)(5), FRA, invited the following groups to be consulting parties between January 2015 and February 2019, and they have elected to participate: Alexandria Archaeology, American Battlefield Protection Program (ABPP), Ashland Museum, Central Virginia Battlefields Trust (CVBT), Civil War/Battlefield Preservation Trust (CWT), Historic Fredericksburg Foundation, Inc. (HFFI), Historic Richmond Foundation, Marine Corps Base Quantico, National Park Service (NPS)- Northeast Regional Office, NPS- Captain John Smith Chesapeake National Historical Trail, NPS- Fredericksburg Division (which includes the Fredericksburg & Spotsylvania National Military Park), NPS- George Washington Memorial Parkway, NPS- National Capital Region, NPS- Potomac Heritage National Scenic Trail, NPS- Richmond Division, NPS- Washington-Rochambeau National Historical Trail, National Trust for Historic Preservation (NTHP), and Preservation Virginia; and

WHEREAS, pursuant to 36 C.F.R. § 800.2(c)(5), FRA invited the following groups to be Consulting Parties to the Project on January 6, 2015 and they declined to participate or did not reply to the invitations: ACL & SAL Railroad Historical Society, Arlington Historical Society, Caroline Historical Society, Center for Neighborhood Revitalization, Chesterfield Historical Society, Hanover County Historical Society, Inc., Henrico County Historical Society, Historic Alexandria Foundation, Historic Prince William, Inc., Historical Society of Fairfax County, Virginia, Inc., and Stafford County Historical Society; and

WHEREAS, pursuant to 36 C.F.R. § 800.4(a)(1) and as defined in 36 C.F.R. § 800.16(d), FRA in consultation with the Virginia SHPO determined that the direct Area of Potential Effects (APE) for this Project is the entire area of ground disturbing activities and staging areas for rail and road modifications (project limits of disturbance), to include construction, along the 123-mile corridor and the Virginia SHPO concurred in a letter dated February 2, 2015; and

WHEREAS, pursuant to 36 C.F.R. § 800.4(a)(1) and as defined in 36 C.F.R. § 800.16(d), FRA, in consultation with the Virginia SHPO, determined that the indirect APE is the entire area of ground-disturbing activities and staging areas plus any areas within the viewshed of the corridor where indirect affects to a resource's setting and feeling could occur, typically comprising a 500-foot wide corridor along all sides of the limits of disturbance, 1,000 feet near proposed overpasses, one (1) city block in urban areas, and additional areas as warranted due to viewsheds and vistas; and

WHEREAS, pursuant to 36 C.F.R. § 800.4(b) and Stipulation VI of the SEHSR PA, DRPT conducted identification and evaluation-level architectural and archaeological investigations of the entire APE between 2015 and 2018, and the results of the cultural resource investigations have been coordinated with the Virginia SHPO and other Consulting Parties (see Appendix A for a full list); and

WHEREAS, a total of 120 historic properties listed in, eligible for, or assumed eligible for the NRHP have been identified within the Project APE, and FRA determined, in consultation with the Virginia SHPO and the other Consulting Parties, that the Project will have an adverse effect on twenty-one (21) of these historic properties (listed north to south; see Table 1 and Appendix B for additional details and mapping): Richmond, Fredericksburg, and Potomac Railroad (RF&P) (Virginia Department of Historic Resources [DHR] Inventory No. 500-0001), RF&P Bridge over Occoquan River (DHR Inventory No. 500-0001-0022), Rippon Lodge (DHR Inventory No. 076-0023), Civil War Campsite (Site 44ST1223), Rappahannock River Railroad Bridge and Associated Structures/Platform (DHR Inventory No. 111-0132-0025), Bridge/Marye's Mill (Site 44SP0187), Fredericksburg Historic District (DHR Inventory No. 111-0132), Block 49/Train Station (Site 44SP0688), Block 48/Train Station (Site 44SP0687), Earthwork/Jackson's Earthwork (Site 44SP0468), Doswell Historic District (DHR Inventory No. 042-5448), Doswell Depot and Tower (DHR Inventory No. 042-0093), Berkleytown Historic District (DHR Inventory No. 166-5073), Laurel Industrial School Historic District (DHR Inventory No. 043-0292), Main Building/Robert Stiles Building (DHR Inventory No. 043-0292-0001), Shockoe Valley & Tobacco Row Historic District (DHR Inventory No. 127-0344), Main Street Station Parking Lot/Railroad (Site 44HE1098), Railroad Warehouse (Site 44HE1097), Main Street Station and Trainshed (DHR Inventory No. 127-0172), Seaboard Air Line Railroad Corridor (DHR Inventory No. 127-6271), and Warehouse (Site 44HE1094); and

WHEREAS, FRA, in consultation with the Virginia SHPO and the other Consulting Parties, developed this MOA in accordance with Stipulation VIII of the SEHSR PA in order to address the Project's adverse effects on historic properties; and

WHEREAS, in accordance with 36 C.F.R. § 800.6(a)(1), FRA notified the ACHP of its adverse effect determination on June 20, 2018, and the ACHP has chosen to participate in the consultation pursuant to 36 CFR § 800.6(a)(1)(iii) and the SEHSR PA; and

WHEREAS, the list of historic properties, project effects, and mitigation strategies included in this MOA formulated by FRA, DRPT, ACHP, and the Virginia SHPO, have been disseminated to the Consulting Parties by DRPT through numerous emails, letters, and in-person meetings held by DRPT in Richmond, Fredericksburg, and Washington, D.C., as well as through dissemination of hard copies of the draft MOA on December 28, 2018 (see Appendix C for a list of correspondence); and

WHEREAS, pursuant to 36 C.F.R. § 800.2(d), FRA invited public input on the Project and history-related studies through public information meetings at numerous venues held in

November 2014, June 2015, December 2015, October 2017, and October 2018, and through numerous in-person meetings and emails with individual property owners and other interested parties; and

WHEREAS, FRA and DRPT have shared with the public information about the overall Project, including its effects on historic properties, multiple times via the NEPA process as outlined in the Final EIS.

NOW, THEREFORE, FRA, DRPT, the Virginia SHPO, and the ACHP (collectively referred to as the Signatories) agree that the Project shall be implemented in accordance with the following stipulations in order to take into account the effect of the undertaking on historic properties.

STIPULATIONS

FRA, in coordination with DRPT, shall ensure that the following stipulations are carried out:

I. APPLICABILITY

- A. This MOA is binding on FRA only if FRA provides financial assistance for the construction of the Project.
- B. Notwithstanding Stipulation I.A., this MOA applies to all of DRPT's activities necessary to advance the Project toward and/or through construction due to the involvement of federal permits which necessitate compliance with Section 106 of the National Historic Preservation Act, including, but not limited to, further design, acquisition of property for the Project, demolition of acquired properties, and construction that are funded with any amount of financial assistance from FRA or non-federal funds.
- C. Nothing herein shall be interpreted as agreement by DRPT that Section 106 applies to other projects with independent utility that use exclusively non-federal funds.

II. MITIGATION MEASURES FOR ADVERSELY AFFECTED HISTORIC PROPERTIES (listed north to south)

A. RF&P Railroad (DHR Inventory No. 500-0001)

- 1. Within one (1) year of the receipt of funding for the Project as described under Stipulation V(C), DRPT shall document, or cause to be documented through the engagement of a qualified consultant, all bridges to be removed as a result of the Project and are contributing elements to the RF&P. DRPT shall prepare, or cause to be prepared, photographic documentation of each structure consistent with guidance found in "Photographic Documentation for National Park Service

Basic Survey” and DHR’s “Photographic Documentation for Virginia Department of Historic Resources (DHR) Survey” (Updated 2016); and complete a Virginia SHPO Intensive Level Survey form for each structure in the Virginia SHPO’s Virginia-Cultural Resource Information System (VCRIS). DRPT shall also ensure that each structure is documented in a written report. The report shall address, at a minimum, the physical description and historical context of each structure. DRPT shall submit the photographs, VCRIS form, and report concurrently to FRA, Virginia SHPO, property owner, and other Consulting Parties, as appropriate, for review and comment, as described under Stipulation IV(B) and (C). DRPT shall disseminate final copies to FRA, Virginia SHPO, property owner, and the Virginia Museum of History & Culture, for their collections, and to the other Consulting Parties upon written request. Final VCRIS forms and associated packets shall be given to the Virginia SHPO at this time for their archives.

2. Within one (1) year of the receipt of funding for Project construction, as described under Stipulation V(C), DRPT shall complete, or cause to be completed through the engagement of a qualified consultant, two (2) oral histories of past and present RF&P and/or CSX Transportation (CSX-T) employees who have extended tenures with the resource and particularly historic structures along the corridor, if such individuals are available. Interviews shall be taped, and transcriptions of the interviews shall be submitted to the Virginia SHPO, the Library of Virginia, the Virginia Museum of History & Culture, HFFI, and the Richmond History Center for their collections, and the other Consulting Parties upon written request.
3. Within four (4) years of receipt of Project construction funding as described in Stipulation V(C), DRPT shall create, or cause to be created through the engagement of a qualified consultant, a web-based “story map” highlighting the 120 historic properties located within the Project APE. The story map shall include photographs, narratives, and mapping details of all resources (as appropriate to comply with the Archeological Resources Protection Act of 1979) digitally tied to an overall GIS-based map of the project corridor. Draft materials for the story map shall be submitted concurrently to FRA, Virginia SHPO, and other Consulting Parties for review and comment, as appropriate, as described under Stipulation IV(B) and (C). The hosting location for the story map shall also be discussed at this time and may include one of the consulting parties or another historically focused webpage. DRPT shall finalize the story map and notify FRA, Virginia SHPO, and the other Consulting Parties when the webpage goes live.

B. RF&P Bridge over Occoquan River (DHR Inventory No. 500-0001-0022)

1. Draft designs for the new bridge over the Occoquan River shall be compatible with the architectural and historic character of the existing structure and nearby historic properties. DRPT shall submit draft design plans for the new bridge at

the schematic, 30%, 65%, and 90% stages concurrently to FRA, Virginia SHPO, property owner, and other Consulting Parties, as appropriate, for review and comment, as described under Stipulation IV(B) and (C). The design packet shall include a set of bridge plans and elevations, as well as a schematic showing the proposed bridge design in relation to the existing Bridge over Occoquan River to show proposed visual modifications.

2. Within one (1) year of the receipt of funding for Project construction in this segment as described under Stipulation V(C), DRPT shall produce, or cause to be produced through the engagement of a qualified consultant, measured drawings of the existing RF&P Bridge over the Occoquan River prior to any alterations. The drawings shall conform to the guidelines specified by the NPS as set forth in Historic American Buildings Survey/Historic American Engineering Record (HABS/HAER) Guidelines (<http://www.cr.nps.gov/hdp/standards/haerguidelines.htm>).
3. Within one (1) year of the receipt of funding for Project construction in this segment as described under Stipulation V(C) and concurrent with the measured drawings, DRPT shall engage a professional photographer with experience in preparing large-format, black-and-white, archival-quality photographic documentation for HAER and HAER-type documentation projects to complete large-format photographs of the existing RF&P Bridge over Occoquan River. Photographs shall comply with HABS/HAER Photographs Specifications and Guidelines (<http://www.cr.nps.gov/hdp/standards/HABS/photospecs.pdf>) and DHR's "Photographic Documentation for Virginia Department of Historic Resources Survey (Updated 2016). Negatives and print sizes shall be 4" x 5". Negatives and prints shall be processed, labeled, and packaged according to HABS/HAER archival standards. A list of photo captions (index to photos) and a site plan of the building showing the location and direction of the photographs (key to photos) shall be included.

Photographic views shall show the bridge and associated railway, as well as the surrounding landscape. Overview and detail photos of the bridge shall be provided, documenting as much as possible of the engineering and construction methods for the property including exterior elevations and detailed views of significant architectural or historical features.

4. Within six (6) months of the completion of the measured drawings and large-format photography, DRPT shall prepare or cause to be prepared through the engagement of a qualified consultant, a first draft HAER Outline Format report documenting the bridge. The report shall include any archival research collated on the history of the bridge as it relates to the RF&P, a physical description of the bridge, copies of the measured drawings and large-format photographs collected as part of II.B.2 and II.B.3 above, and any additional data gathered during this process. The draft shall be submitted concurrently to FRA, Virginia SHPO, and other Consulting Parties, as appropriate, for review and comment,

as described under Stipulation IV(B) and (C). DRPT shall submit final documents to FRA, the Virginia SHPO, the Library of Virginia, the Virginia Museum of History & Culture, the Fairfax County Historical Society, the Prince William Historic Society, and to the other Consulting Parties upon written request.

C. Rippon Lodge (DHR Inventory No. 076-0023)

1. The adverse effect on Rippon Lodge is caused by the installation of a new railroad bridge across Neabsco Creek. As such, draft designs for the new Neabsco Creek Bridge shall be compatible with the architectural and historic character of the existing structure and nearby historic properties. DRPT shall submit draft design plans for the new bridge at the schematic, 30%, 65%, and 90% stages concurrently to FRA, Virginia SHPO, Prince William County Department of Planning as property owner, and other Consulting Parties, as appropriate, for review and comment, as described under Stipulation IV(B) and (C). The design packet shall include a set of bridge plans and elevations, as well as a schematic showing the proposed bridge design in relation to the existing Neabsco Creek Bridge to show proposed visual modifications.
2. Prior to beginning construction and within one (1) year of the receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall create, or cause to be created through the engagement of a qualified consultant, a cultural landscape study of the Neabsco Creek watershed between Rippon Lodge and the Neabsco Creek Bridge. The study shall follow the Secretary of the Interior's Standards for conducting historic landscape studies as well as applicable guidance found in NPS Bulletin #18, *How to Evaluate and Nominate Designed Historic Landscapes* and other appropriate publications and guidance documents. The landscape study shall include, at a minimum, completing archival research on this segment of Neabsco Creek focusing on historic images and maps of this corridor and gathering spatial data on the current parameters of the waterway in this area. The data shall be used to create a contextual narrative on the evolution of the waterway over time inclusive of GIS overlays and photodocumentation. The ensuing cultural landscape report shall be submitted concurrently to FRA, Virginia SHPO, Prince William County, and other Consulting Parties, as appropriate, for review and comment, as described under Stipulation IV(B) and (C). DRPT shall disseminate final copies to FRA, Virginia SHPO, and Prince William County Planning Office for their collections, and to the other Consulting Parties upon written request.
3. Within one (1) year of the completion of the cultural landscape study, DRPT shall fund the fabrication and installation of an interpretive sign near the Rippon Lodge/Neabsco Creek vista as part of Prince William County's signage initiative program to disseminate information about the historical viewshed to the general public. In consultation with FRA, Virginia SHPO, Prince William County, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be

prepared through the engagement of a qualified consultant, draft text and layout for the interpretive sign. The draft text and layout shall be submitted to FRA, Virginia SHPO, and other Consulting Parties, as appropriate, for review and comment, and Prince William County Planning Department for review and approval, as described under Stipulation IV(B) and (C). If the interpretive sign text and layout are approved by William County, DRPT shall produce the interpretive sign and install the panel in a location deemed suitable after consultation with FRA, Virginia SHPO, Prince William County, and other Consulting Parties, as appropriate. Prince William County is under no obligation to approve the signage. If the Prince William County Planning Department does not approve the signage to be a part of their marker and signage program, DRPT shall consult with FRA, Virginia SHPO, Prince William County, and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the historic viewshed to the public.

4. Within one (1) year of the completion of the cultural landscape study, DRPT shall engage a qualified consultant to restore the viewshed between Rippon Lodge and the Neabsco Creek rail bridge through the removal of underbrush as depicted in Appendix D. Mature trees shall be left extant. DRPT shall consult with FRA, Virginia SHPO, Prince William County Planning Department, and other Consulting Parties, as appropriate, on plans associated with the vegetative removal. Prince William County is under no obligation to approve the vegetative clearing. If the Prince William County Planning Department does not approve the vegetative clearing, DRPT shall consult with FRA, Virginia SHPO and other Consulting Parties, as appropriate, to determine an appropriate method to restore the historic viewshed.

D. Civil War Campsite (Site 44ST1223)

1. DRPT shall avoid Site 44ST1223 to the greatest extent possible. For the portions of the archaeological site that cannot be avoided, prior to ground disturbing activities and within two (2) years of receipt of Project construction funding in this segment as described under Stipulation V(C), DRPT shall conduct an intensive pedestrian survey with mapping of all visible surface features and GIS map overlays followed by Phase III archaeological data recovery in areas with the potential for intact subsurface remains. The archaeological work shall include the following components:
 - a. DRPT shall develop a draft data recovery plan for the investigations and submit the plan concurrently to FRA, Virginia SHPO, property owner, NPS-Fredericksburg Division, ABPP, CWT and Consulting Parties, as appropriate, for review and comment, as described under Stipulation IV(B) and (C). The plan shall be consistent with the Secretary of the Interior's *Standards and Guidelines for Archaeological Documentation* (48 Fed. Reg. 44734-37, September 29, 1983) and take into account ACHP's publication, *Treatment of Archaeological Properties* (1980). The plan shall include:

- 1) The property, properties, or portions of properties where site-specific data recovery plans shall be carried out;
 - 2) Any property, properties, or portions of properties that will be destroyed or altered without data recovery;
 - 3) The research questions to be addressed through data recovery, with an explanation of their relevance and importance;
 - 4) The methods to be used with an explanation of their relevance to the research questions;
 - 5) The methods to be used in analysis, data management, and dissemination of data, including a schedule;
 - 6) The proposed disposition of recovered materials and records;
 - 7) Proposed methods of disseminating the results of the work to interested individuals and/or organizations who have expressed an interest in the data recovery; and
 - 8) A schedule for the submission of progress reports to FRA, the Virginia SHPO, property owner, NPS- Fredericksburg Division, ABPP, CWT, and other Consulting Parties, as appropriate.
- b. Upon revision of the plan and acceptance of a data recovery plan by FRA and Virginia SHPO, DRPT shall complete or cause to be completed through the engagement of a qualified consultant all pedestrian survey, mapping, GIS overlays, and archaeological excavation described in the recovery plan. The report shall meet all state standards for data recovery reports and include required components. DRPT shall submit draft copies of the ensuing report concurrently to FRA, Virginia SHPO, property owner, NPS- Fredericksburg Division, ABPP, CWT, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). Final copies of the report shall be disseminated to FRA, Virginia SHPO, property owner, NPS- Fredericksburg Division, ABPP, CWT, and Library of Virginia for their collections, and to the other Consulting Parties upon written request. A final VCRIS form and associated packet shall be given to the Virginia SHPO at this time for their archives.
2. Using the information gathered during the mapping and data recovery, within four (4) years of the receipt of Project construction funding in this segment as described under Stipulation V(C), DRPT shall produce, or cause to be produced through the engagement of a qualified consultant, a scholarly article discussing the historical and archaeological importance of this site. DRPT shall consult with FRA, Virginia SHPO, NPS- Fredericksburg Division, and other Consulting Parties, as appropriate, regarding the location for submittal for publication. The

final publication submittal location shall be determined based on consensus of those parties involved in the consultation. DRPT shall submit the article to the agreed upon publication and shall have no other obligations with respect to any actions that may be taken by the publisher once the article is submitted and accepted or declined, except that DRPT shall undertake any revisions or provide other assistance requested by the publisher if the article is accepted for publication.

3. Within one (1) year of the completion of the archaeological report, DRPT shall fund the fabrication and installation of an interpretive sign in a location deemed appropriate by NPS- Fredericksburg Division as part of their signage initiative program to disseminate information about Civil War camps to the general public. In consultation with FRA, Virginia SHPO, NPS- Fredericksburg Division, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared through the engagement of a qualified consultant, draft text and layout for the interpretive sign. The draft text, layout, and proposed location for placement of the interpretive sign shall be submitted to FRA, Virginia SHPO, and other Consulting Parties, as appropriate, for review and comment, and NPS- Fredericksburg Division for review and approval, as described under Stipulation IV(B) and (C). Within six (6) months after the interpretive sign the text, layout, and location are approved by NPS- Fredericksburg Division, DRPT shall produce the interpretive sign and install it. NPS- Fredericksburg Division is under no obligation to approve the interpretive sign. If NPS- Fredericksburg Division does not approve the interpretive sign to be a part of their marker and signage program, DRPT shall consult with FRA, Virginia SHPO and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the historic site to the public.

E. Rappahannock River Railroad Bridge and Structures/Platform (DHR Inventory No. 111-0132-0025)

1. Draft designs for the new Rappahannock River Bridge, associated structures in downtown Fredericksburg, and new platform shall be compatible with the architectural and historic character of the existing structure and nearby historic properties and meet the guidelines set forth for new construction in the Old and Historic Fredericksburg District, under the auspice of the Fredericksburg Architectural Review Board (ARB). DRPT shall submit draft design plans for the new bridge at the schematic, 30%, 65%, and 90% stages concurrently to FRA, Virginia SHPO, property owner, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). The design packet shall include a set of bridge plans and elevations, as well as a schematic showing the proposed bridge design in relation to the existing Rappahannock River Railroad Bridge and Structures/Platform to show proposed visual modifications.

2. Within one (1) year of the receipt of funding for Project construction in this segment as described under Stipulation V(C), DRPT shall produce, or cause to be produced through the engagement of a qualified consultant, measured drawings of the existing bridge, structures and platform prior to any alterations. The drawings shall conform to the guidelines specified by the NPS as set forth in Historic American Buildings Survey/Historic American Engineering Record (HABS/HAER) Guidelines (<http://www.cr.nps.gov/hdp/standards/haerguidelines.htm>).
3. Within one (1) year of the receipt of funding for Project construction in this segment as described under Stipulation V(C) and concurrent with the measured drawings, DRPT shall engage a professional photographer with experience in preparing large-format, black-and-white, archival-quality photographic documentation for HAER and HAER-type documentation projects to complete large-format photographs of the existing Rappahannock River Railroad Bridge and Structures/Platform. Photographs shall comply with HABS/HAER Photographs Specifications and Guidelines (<http://www.cr.nps.gov/hdp/standards/HABS/photospecs.pdf>) and DHR's "Photographic Documentation for Virginia Department of Historic Resources Survey (Updated 2016). Negatives and print sizes shall be 4" x 5". Negatives and prints shall be processed, labeled, and packaged according to HABS/HAER archival standards. A list of photo captions (index to photos) and a site plan of the bridge showing the location and direction of the photographs (key to photos) shall be included.

Photographic views shall show the bridge and associated railway, structures within downtown Fredericksburg, and extant platform, as well as the surrounding landscape. Overview and detail photos of the bridge and other elements shall be provided, documenting as much as possible of the engineering and construction methods for the property including exterior elevations and detailed views of significant architectural or historical features.

4. Prior to beginning construction and within four (4) years of the receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall create, or cause to be created through the engagement of a qualified consultant, a cultural landscape study of the Rappahannock River watershed and historic transportation crossings within the City of Fredericksburg, bounded by the Blue/Grey Parkway bridge on the south and Hawke Street on the north. The cultural landscape study shall follow the Secretary of the Interior's Standards for conducting historic landscape studies as well as applicable guidance found in NPS Bulletin #18, *How to Evaluate and Nominate Designed Historic Landscapes* and other appropriate publications and guidance documents. The cultural landscape study shall include, at a minimum, completing archival research on this segment of the Rappahannock River focusing on historic images and maps of this corridor, recording historic transportation crossings in this area including bridges and ferries, and gathering spatial data on the current parameters of the waterway in this area. In addition,

the work shall document the extant railroad bridge crossing as an iconic vista in various cultural media in the twentieth century. The data shall be used to create a contextual narrative on the evolution of the waterway over time inclusive of GIS overlays and photodocumentation. The cultural landscape study shall also include copies of the measured drawings and photographs as collected during tasks II.E.2 and II.E.3 above. The ensuing cultural landscape study shall be submitted concurrently to FRA, Virginia SHPO, City of Fredericksburg, HFFI, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall disseminate final copies to FRA, Virginia SHPO, City of Fredericksburg, Central Rappahannock Regional Library, and HFFI for their collections, and to the other Consulting Parties upon written request. Full-sized copies of the measured drawings and large-format photographs will also be placed on file with the Virginia SHPO and Central Rappahannock Regional Library.

F. Bridge/Marye's Mill (Site 44SP0187), Block 49/Train Station (Site 44SP0688), and Block 48/Train Station (Site 44SP0687)

1. These three (3) sites (44SP0187, 44SP0688, and 44SP0687) are all located within three (3) adjacent blocks in downtown Fredericksburg. DRPT shall avoid, to the greatest extent possible, all three (3) sites. For the portions of the archaeological sites that cannot be avoided and where appropriate, prior to ground disturbing activities and within two (2) years of receipt of Project construction funding in this segment as described under Stipulation V(C), DRPT shall conduct an intensive pedestrian survey with mapping of all visible surface features and GIS map overlays at each site (as appropriate) followed by Phase III archaeological data recovery in areas with the potential for intact subsurface remains. The archaeological work at all three sites shall include the following components:
 - a. DRPT shall develop a separate draft data recovery plan per site for the investigations and submit the plan concurrently to FRA, Virginia SHPO, City of Fredericksburg, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). The plan shall be consistent with the Secretary of the Interior's *Standards and Guidelines for Archaeological Documentation* (48 Fed. Reg. 44734-37, September 29, 1983) and take into account ACHP's publication, *Treatment of Archaeological Properties* (1980). Each plan shall include:
 - 1) The property, properties, or portions of properties where site-specific data recovery plans shall be carried out;
 - 2) Any property, properties, or portions of properties that will be destroyed or altered without data recovery;
 - 3) The research questions to be addressed through data recovery, with an explanation of their relevance and importance;

- 4) The methods to be used with an explanation of their relevance to the research questions;
 - 5) The methods to be used in analysis, data management, and dissemination of data, including a schedule;
 - 6) The proposed disposition of recovered materials and records;
 - 7) Proposed methods of disseminating the results of the work to interested individuals and/or organizations who have expressed an interest in the data recovery; and
 - 8) A schedule for the submission of progress reports to FRA, Virginia SHPO, the City of Fredericksburg, and other Consulting Parties, as appropriate.
- b. Upon revision of the plan and acceptance of the three (3) data recovery plans by FRA and Virginia SHPO, DRPT shall complete, or cause to be completed through the engagement of a qualified consultant, all pedestrian survey, mapping, GIS overlays, and archaeological excavation described in the recovery plan at each site. Depending on the approved data recovery plan, one (1) report containing data on all three (3) excavations may be produced, or three separate documents may be completed. In either case, the report(s) shall meet all state standards for data recovery reports and include required components. DRTP shall submit draft copies of the ensuing report concurrently to FRA, Virginia SHPO, City of Fredericksburg, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). Final copies of the report shall be disseminated to FRA, Virginia SHPO, City of Fredericksburg, Central Rappahannock Regional Library, and Library of Virginia for their collections, and to the other Consulting Parties upon written request. Final VCRIS forms and associated packets shall be given to the Virginia SHPO at this time for their archives.
2. Using the information gathered during the mapping and data recovery, within four (4) years of the receipt of Project construction funding in this segment as described under Stipulation V(C), DRPT shall produce, or cause to be produced through the engagement of a qualified consultant, a cohesive scholarly article discussing the historical and archaeological importance of these three (3) sites. FRA, DRPT, Virginia SHPO, City of Fredericksburg, and other Consulting Parties, as appropriate, shall discuss the location for submittal for publication, and the final publication submittal location shall be determined based on consensus of involved parties. DRPT shall submit the article to the agreed upon location and shall have no other obligations with respect to any actions that may be taken by the publisher once the article is submitted and accepted or declined, except that DRPT shall undertake any revisions or provide other assistance requested by the publisher if the article is accepted for publication.

3. Within three (3) years of receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall provide, or cause to be provided through the engagement of a qualified consultant, a lecture for the general public on the results of the archaeological studies on these three sites, preferably to be presented in the City of Fredericksburg. This lecture shall be advertised in the Fredericksburg area and the surrounding region.
4. Within one (1) year of completion of the new passenger facility in Fredericksburg associated with this project, DRPT shall fund the fabrication and installation of an interpretive sign near the passenger facility as part of the City of Fredericksburg's signage initiative program to disseminate information to the general public about the history of this area and the archaeological studies completed at Sites 44SP0187, 44SP0688, and 44SP0687. In consultation with FRA, Virginia SHPO, the City of Fredericksburg, HFFI, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared through the engagement of a qualified consultant, draft text and layout for the interpretive sign. The draft text, layout, and proposed location for placement of the interpretive sign, shall be submitted to FRA, Virginia SHPO, HFFI, and other Consulting Parties, as appropriate, for review and comment, and City of Fredericksburg for review and approval, as described under Stipulation IV(B) and (C). Within six (6) months after the interpretive sign text, layout, and location are approved by City of Fredericksburg DRPT shall produce the interpretive sign and install it. The City of Fredericksburg is under no obligation to approve the interpretive sign. If the City of Fredericksburg does not approve the interpretive sign to be a part of their marker and signage program or if a suitable location for placement cannot be found, DRPT shall consult with FRA, Virginia SHPO, HFFI, and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the historic properties to the public.
5. Within one (1) year of completion of the new passenger facility in Fredericksburg associated with this project, DRPT shall fund the fabrication and installation of a museum exhibit within the passenger facility to disseminate information to the general public about the history of this area and the archaeological studies completed at Sites 44SP0187, 44SP0688, and 44SP0687. In consultation with FRA, Virginia SHPO, the City of Fredericksburg, HFFI, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared through the engagement of a qualified consultant, draft text and layout for the exhibit. The draft text and layout shall be submitted to FRA, Virginia SHPO, City of Fredericksburg, HFFI, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). Six (6) months after finalizing the text and layout for the exhibit, DRPT shall produce and install the exhibit within the station.

G. Fredericksburg Historic District (DHR Inventory No. 111-0132)

1. Draft designs for the new parking deck in downtown Fredericksburg shall be compatible with the architectural and historic character of the surrounding historic district and meet the guidelines set forth for new construction in the Old and Historic Fredericksburg District, under the auspice of the Fredericksburg ARB. DRPT shall submit draft design plans for the new structure at the schematic, 30%, 65%, and 90% stages concurrently to FRA, Virginia SHPO, City of Fredericksburg, Fredericksburg Architectural Review Board, HFFI, and the other Consulting Parties for review and comment as described under Stipulation IV(B) and (C). The design packet shall include a set of structure plans and elevations, as well as a schematic showing the proposed structure design in relation to the surrounding historic district to show proposed visual modifications.
2. Within four (4) years of receipt of Project construction funding in this segment as described in Stipulation V(C), DRPT shall create, or cause to be created, a historic context on the evolution of the rail system in downtown Fredericksburg. This includes acquiring archival data on the establishment of and modifications to the rail line between the Rappahannock River and Hazel Run. The data obtained during the research shall be compiled into a report. DRPT shall submit a draft report concurrently to FRA, Virginia SHPO, City of Fredericksburg, HFFI, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall disseminate the final report to FRA, Virginia SHPO, City of Fredericksburg, HFFI, Central Rappahannock Regional Library, and Library of Virginia, and to public libraries and historical societies for their collections; and to the other Consulting Parties, upon written request.
3. Within three (3) years of receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall provide, or cause to be provided through the engagement of a qualified consultant, a lecture for the general public on the results of the contextual study on the evolution of the railroad in Fredericksburg, preferably to be presented in the city. This lecture shall be advertised in the Fredericksburg area and the surrounding region.
4. Within three (3) years of receipt of funding for Project construction in this segment, as described under Stipulation V(C) and concurrent with the public presentation, DRPT shall consult with FRA, Virginia SHPO, City of Fredericksburg, HFFI, and other Consulting Parties, as appropriate, to find an appropriate website, such as the Local History page of the Central Rappahannock Regional Library, to host an abbreviated narrative on the history of the railroad in Fredericksburg, as well as details of the Project. DRPT shall request that the identified website host the contents for a minimum of two (2) years. If no website host can be identified, DRPT shall consult with FRA, Virginia SHPO, City of Fredericksburg, HFFI, and other Consulting Parties, as

appropriate, to identify another means to disseminate the abbreviated narrative to the public. DRPT shall submit a draft of the webpage content concurrently to FRA, Virginia SHPO, City of Fredericksburg, HFFI, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C).

H. Earthwork/ Jackson's Earthwork (Site 44SP0468)

1. DRPT shall, to the extent possible, avoid Site 44SP0468. For the portions of the archaeological site that cannot be avoided, DRPT shall conduct an intensive pedestrian survey with mapping of all visible surface features and GIS map overlays followed by Phase III archaeological data recovery in areas with the potential for intact subsurface remains prior to ground disturbing activities and within two (2) years of receipt of Project construction funding in this segment as described under Stipulation V(C). The archaeological work shall include the following components:
 - a. DRPT shall develop a draft data recovery plan for the investigations and submit the plan concurrently to FRA and Virginia SHPO for review and approval, and to the property owner, NPS- Fredericksburg Division, ABPP, CWT, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). The plan shall be consistent with the Secretary of the Interior's *Standards and Guidelines for Archaeological Documentation* (48 Fed. Reg. 44734–37, September 29, 1983) and take into account ACHP's publication, *Treatment of Archaeological Properties* (1980). The plan shall include:
 - 1) The property, properties, or portions of properties where site-specific data recovery plans shall be carried out;
 - 2) Any property, properties, or portions of properties that will be destroyed or altered without data recovery;
 - 3) The research questions to be addressed through data recovery, with an explanation of their relevance and importance;
 - 4) The methods to be used with an explanation of their relevance to the research questions;
 - 5) The methods to be used in analysis, data management, and dissemination of data, including a schedule;
 - 6) The proposed disposition of recovered materials and records;
 - 7) Proposed methods of disseminating the results of the work to interested individuals and/or organizations who have expressed an interest in the data recovery; and

- 8) A schedule for the submission of progress reports to FRA, the Virginia SHPO, property owner, NPS- Fredericksburg Division, ABPP, CWT, and other Consulting Parties, as appropriate.
 - b. Upon revision of the plan and approval of a data recovery plan by FRA and Virginia SHPO, DRPT shall complete, or cause to be completed through the engagement of a qualified consultant, all pedestrian survey, mapping, GIS overlays, and archaeological excavation described in the recovery plan. The report shall meet all state standards for data recovery reports and include required components. DRPT shall submit draft copies of the ensuing report concurrently to FRA, Virginia SHPO, property owner, NPS- Fredericksburg Division, ABPP, CWT, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). Final copies of the report shall be disseminated to FRA, Virginia SHPO, property owner, NPS- Fredericksburg Division, ABPP, CWT, and Library of Virginia for their collections, and to other Consulting Parties upon written request. DRPT will give to the Virginia SHPO a final VCRIS form and associated packet for DHR's archives.
2. Using the information gathered during the mapping and data recovery, within four (4) years of the receipt of Project construction funding in this segment as described under Stipulation V(C), DRPT shall produce, or cause to be produced through the engagement of a qualified consultant, a scholarly article discussing the historical and archaeological importance of this site. FRA, DRPT, Virginia SHPO, NPS- Fredericksburg Division, ABPP, CWT, and other Consulting Parties, as appropriate, shall discuss the location for submittal for publication, and the final publication submittal location shall be determined based on consensus of involved parties. DRPT shall submit the article to the agreed upon location and shall have no other obligations with respect to any actions that may be taken by the publisher once the article is submitted and accepted or declined, except that DRPT shall undertake any revisions or provide other assistance requested by the publisher if the article is accepted for publication.
 3. Within one (1) year of the completion of the archaeological report, DRPT shall fund the fabrication and installation of an interpretive sign in a location deemed appropriate by the NPS- Fredericksburg Division as part of their signage initiative program to disseminate information about Civil War camps to the general public. In consultation with FRA, Virginia SHPO, NPS- Fredericksburg Division, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared through the engagement of a qualified consultant, draft text and layout for the interpretive sign. The draft text, layout, and proposed location for placement of the interpretive sign shall be submitted to FRA, Virginia SHPO, and other Consulting Parties, as appropriate, for review and comment; and to NPS- Fredericksburg Division for review and approval, as described under Stipulation IV(B) and (C). Within six (6) months after the interpretive sign, the text, layout, and location are approved by NPS- Fredericksburg Division, DRPT shall produce and install the interpretive sign. NPS- Fredericksburg Division is

under no obligation to approve the signage. If the NPS- Fredericksburg Division does not approve the interpretive sign to be a part of their marker and signage program or if a suitable location for placement cannot be found, DRPT shall consult with FRA, Virginia SHPO, NPS- Fredericksburg Division, and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the historic site to the public.

I. Doswell Historic District (DHR Inventory No. 042-5448)

1. Within two (2) years of the receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall complete, or cause to be completed through the engagement of a qualified consultant, a NRHP nomination form for the historic district. DRPT shall submit the draft nomination form concurrently to FRA, Hanover County, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C); and to Virginia SHPO for review and approval pursuant to the agency's established procedures and regulations for the Register Program. DRPT shall submit the final draft of the NRHP nomination to Virginia SHPO for listing to the NRHP as prescribed by the agency's established procedures and regulations for the Register Program. DRPT shall have no other obligations with respect to any actions that may be taken by Hanover County, the property owners, the Virginia SHPO, or any other entity relating to the nomination of the property to the NRHP. The Virginia Board of Historic Resources is under no obligation to approve the nomination for listing to the NRHP.
2. Within two (2) years of the receipt of funding for Project construction in this segment, as described under Stipulation V(C) and concurrent with the NRHP nomination, DRPT shall fund the fabrication and installation of a Virginia state historical highway marker, in accordance with Va. Code Ann. §§ 10.1–2202, 10.1–2204, and 10.1–2209, which govern the State Historical Highway Markers Program, to be located within the Doswell Historic District to disseminate information about the history of Doswell to the general public. The historical highway marker shall summarize the historical significance of the Town of Doswell and the related railroad history in this area. In consultation with FRA, Virginia SHPO, Hanover County, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared, draft text for the state historical highway marker. DRPT shall submit the draft text for the state historical highway marker to the Virginia SHPO historical highway marker program for review and approval pursuant to the agency's established procedures and regulations for the State Historical Highway Markers Program; and to Hanover County and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). The Virginia SHPO shall then perform its respective role, as prescribed by the agency's established procedures and regulations for the Virginia State Historical Highway Markers Program.

The Virginia Board of Historic Resources is under no obligation, and nothing in this MOA should be construed to require the Virginia Board of Historic Resources, to approve the state historical highway marker. If the Virginia Board of Historic Resources approves the state historical highway marker, DRPT shall request that the Virginia Department of Transportation (VDOT) install the state historical highway marker within six (6) months after its approval. The VDOT is under no obligation to accept this request. If the Virginia Board of Historic Resources does not approve the state historical highway marker, DRPT shall consult with FRA, Virginia SHPO, Hanover County, and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the Doswell Historic District to the public.

3. Within two (2) years of the receipt of funding for Project construction in this segment, as described under Stipulation V(C) and concurrent with the marker, DRPT shall consult with FRA, Virginia SHPO, Hanover County, Hanover County Historical Commission, and other Consulting Parties to find an appropriate website, such as Hanover's Historic Places page of the Hanover County Historical Society's webpage (<http://www.hchs.us/places.html/>), to host an abbreviated narrative on the history of Doswell, as well as details of the Project. DRPT shall request that the identified website host the contents for a minimum of two (2) years. If no website host can be identified, DRPT shall consult with FRA, Virginia SHPO, Hanover County, and other Consulting Parties to identify another means to disseminate the abbreviated narrative to the public. DRPT shall submit a draft of the webpage content concurrently to FRA, Virginia SHPO, Hanover County, Hanover County Historical Commission, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C).

J. Doswell Depot and Tower (DHR Inventory No. 042-0093)

1. Within one (1) year of the receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall produce, or cause to be produced through the engagement of a qualified consultant, measured drawings of the existing depot and tower prior to any alterations. The drawings shall conform to the guidelines specified by the NPS as set forth in Historic American Buildings Survey/Historic American Engineering Record (HABS/HAER) Guidelines (<http://www.cr.nps.gov/hdp/standards/haerguidelines.htm>). Copies of the drawings will be archived at the Virginia SHPO and the Hanover County Department of Planning.
2. Within one (1) year of the receipt of funding for Project construction in this segment, as described under Stipulation V(C) and concurrent with the measured drawings, DRPT shall engage a professional photographer with experience in preparing large-format, black-and-white, archival-quality photographic documentation for HAER and HAER-type documentation projects to complete large-format photographs of the existing depot and tower. Photographs shall

comply with HABS/HAER Photographs Specifications and Guidelines (<http://www.cr.nps.gov/hdp/standards/HABS/photospecs.pdf>) and DHR's "Photographic Documentation for Virginia Department of Historic Resources Survey (Updated 2016). Negatives and print sizes shall be 4" x 5". Negatives and prints shall be processed, labeled, and packaged according to HABS/HAER archival standards. A list of photo captions (index to photos) and a site plan of the building showing the location and direction of the photographs (key to photos) shall be included.

Photographic views shall show both the depot and the tower, as well as the surrounding landscape. Overview and detail photos of the depot, tower, and other elements shall be provided, documenting as much as possible of the engineering and construction methods for the property including exterior elevations and detailed views of significant architectural or historical features. Copies of the photographs will be archived at the Virginia SHPO and the Hanover County Department of Planning.

3. Prior to construction of the Project in this area and after the measured drawings and HAER photographic documentation is completed, DRPT shall employ a qualified structural engineer with demonstrated experience working with historic properties to carefully move the tower. The tower shall be installed outside of the Project limits of disturbance using the Secretary of the Interior's Standards for Reconstruction and NPS Preservation Briefs, Technical Notes, and other relevant guidance and accepted historic preservation practices, as appropriate. DRPT shall consult on the final location of the tower with FRA, Virginia SHPO, Hanover County, property owners, and other Consulting Parties, as appropriate, prior to moving the historic building.
4. Within two (2) years of the receipt of funding for Project construction in this segment as described under Stipulation V(C), DRPT shall fund the fabrication and installation of an interpretive sign near either the depot or the moved tower as part of Hanover County's signage initiative program to disseminate information about the historic of the railroad in this area, the Project, and the process to move the tower to the general public. In consultation with FRA, Virginia SHPO, Hanover County, the property owners, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared through the engagement of a qualified consultant, draft text and layout for the interpretive sign. The draft text, layout, and proposed location for placement of the interpretive sign, shall be submitted to FRA, Virginia SHPO, the property owners, and other Consulting Parties, as appropriate, for review and comment; and Hanover County for review and approval, as described under Stipulation IV(B) and (C). Within six (6) months after the interpretive sign text, layout, and location are approved by Hanover County, DRPT shall produce the interpretive sign and install it. Hanover County is under no obligation to approve the interpretive sign. If Hanover County does not approve the signage to be a part of their marker and signage program or if a suitable location for placement

cannot be found, DRPT shall consult with FRA, Virginia SHPO, Hanover County, and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the historic properties to the public.

K. Berkleytown Historic District (DHR Inventory No. 166-5073)

1. Draft designs for the new structural overpass of Archie Cannon Road shall be compatible with the architectural and historic character of the adjacent historic district and comply with all applicable Town of Ashland design standards. DRPT shall submit draft design plans for the new structure at the schematic, 30%, 65%, and 90% stages concurrently to FRA, Virginia SHPO, Town of Ashland, Ashland Museum, and the other Consulting Parties for review and comment as described under Stipulation IV(B) and (C). The design packet shall include a set of structure plans and elevations, as well as a schematic showing the proposed structure design in relation to the adjacent historic district to show proposed visual modifications.
2. Within one (1) year of the receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall complete, or cause to be completed through the engagement of a qualified consultant, two (2) oral histories of individuals with an extended tenure living and/or working within the Berkleytown Historic District and are knowledgeable of the history and evolution of the area, to include area residents, town staff, or members of the Ashland Museum, among others. Interviews shall be taped, and transcriptions of the interviews shall be submitted to FRA, Virginia SHPO, Town of Ashland, Ashland Museum, and the Library of Virginia for their collections, and the other Consulting Parties upon written request.
3. Within two (2) years of the receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall complete, or cause to be completed through the engagement of a qualified consultant, a NRHP nomination form for the historic district. DRPT shall submit the draft nomination form concurrently to FRA, Town of Ashland, Ashland Museum, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C); and to the Virginia SHPO for review and approval pursuant to the agency's established procedures and regulations for the Register Program. DRPT shall submit the final draft of the NRHP nomination to Virginia SHPO for listing to the NRHP as prescribed by the agency's established procedures and regulations for the Register Program. DRPT shall have no other obligations with respect to any actions that may be taken by the Town of Ashland, the property owners, the Virginia SHPO, or any other entity relating to the nomination of the property to the NRHP. The Virginia Board of Historic Resources is under no obligation to approve the nomination for listing to the NRHP.

4. Within two (2) years of the receipt of funding for Project construction in this segment, as described under Stipulation V(C) and concurrent with the NRHP nomination, DRPT shall fund the fabrication and installation of a Virginia state historical highway marker, in accordance with Va. Code Ann. §§ 10.1–2202, 10.1–2204, and 10.1–2209, which govern the State Historical Highway Markers Program, to be located within the Berkleytown Historic District to disseminate information about the history of Berkleytown to the general public. The historical highway marker shall summarize the historical significance of the community. In consultation with FRA, Virginia SHPO, Town of Ashland, Ashland Museum, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared, draft text for the state historical highway marker. DRPT shall submit the draft text for the state historical highway marker to the Virginia SHPO historical highway marker program for review and approval pursuant to the agency's established procedures and regulations for the State Historical Highway Markers Program, and to the Town of Ashland, Ashland Museum, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). The Virginia SHPO shall then perform its respective role, as prescribed by the agency's established procedures and regulations for the Virginia State Historical Highway Marker Program.

The Virginia Board of Historic Resources is under no obligation, and nothing in this MOA should be construed to require the Virginia Board of Historic Resources, to approve the state historical highway marker. If the Virginia Board of Historic Resources approves the state historical highway marker, DRPT shall request that VDOT install the state historical highway marker within six (6) months after its approval. The VDOT is under no obligation to accept this request. If the Virginia Board of Historic Resources does not approve the state historical highway marker, DRPT shall consult with FRA, Virginia SHPO, the Town of Ashland, Ashland Museum, and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the Berkleytown Historic District to the public.

5. Within two (2) years of the receipt of funding for Project construction in this segment, as described under Stipulation V(C) and concurrent with the NRHP nomination, DRPT shall complete, or cause to be completed through the engagement of a qualified consultant, narrative text associated with a walking tour of the historic district. Text is to be completed in partnership with the Ashland Museum. DRPT shall submit the draft walking tour text concurrently to FRA, Virginia SHPO, Town of Ashland, Ashland Museum, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall submit the final draft of the walking tour text to the Town of Ashland to use if it so chooses, and in a manner it deems appropriate. DRPT shall have no other obligations with respect to any actions that may be taken by the Town of Ashland, the Ashland Museum, the property owners, the Virginia SHPO, or any other entity relating to the walking tour.

L. Laurel Industrial School Historic District (DHR Inventory No. 043-0292) and Main Building/Robert Stiles Building (DHR Inventory No. 043-0292-0001)

1. Draft designs for the new structural overpass of Hungary Road shall be compatible with the architectural and historic character of the adjacent historic district and nearby historic properties and comply with all applicable City of Richmond design standards. DRPT shall submit draft design plans for the new structure at the schematic, 30%, 65%, and 90% stages concurrently to FRA, Virginia SHPO, Henrico County, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). The design packet shall include a set of structure plans and elevations, as well as a schematic showing the proposed structure design in relation to the adjacent historic district and nearby historic properties to show proposed visual modifications.
2. Within four (4) years of receipt of Project construction funding in this segment as described under Stipulation V(C), DRPT shall create, or cause to be created through the engagement of a qualified consultant, a historic context on late-nineteenth/early-twentieth century reform schools in Central Virginia. This includes acquiring archival data on the Laurel Industrial School Historic District and other similar institutions in central Virginia, completing an abbreviated architectural study of nearby, extant facilities that functioned in a similar capacity, and briefly identifying comparable facilities in other parts of the state for contextual analysis. The data obtained during the research shall be compiled into a report. DRPT shall submit a draft report concurrently to FRA, Virginia SHPO, Henrico County, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall disseminate the final report to FRA, Virginia SHPO, Henrico County, and Library of Virginia, and public libraries and historical societies for their collections; and to the other Consulting Parties upon written request. If appropriate, DRPT shall provide final VCRIS forms and associated packet to the Virginia SHPO at this time for their archives related to any facilities documented as part of this research that are not currently in their records.
3. As part of the contextual research completed above, DRPT shall create, or cause to be created through the engagement of a qualified consultant, a historic map and aerial study of the Laurel Industrial School Historic District and surrounding area. A series of georeferenced, GIS-based overlays shall be created to illustrate the evolution of the landscape and road system in this area. The resulting documents shall include a series of illustrations and an accompanying narrative describing the history of the road system and landscape near the intersection of Hungary Road and the railroad. DRPT shall submit a draft report concurrently to FRA, Virginia SHPO, Henrico County, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall disseminate the final report and associated digital data to FRA,

Virginia SHPO, Henrico County, and Library of Virginia, and public libraries and historical societies for their collections; and to the other Consulting Parties upon written request.

4. Within four (4) years of the receipt of funding for Project construction in this segment as described under Stipulation V(C), DRPT shall fund the fabrication and installation of an interpretive sign near the Main Building/Robert Stiles Building as part of Hanover County's signage initiative program to disseminate information about the historic of the surrounding historic district, the Main Building/Robert Stiles Building, and association of this area with the railroad to the general public. In consultation with FRA, Virginia SHPO, Henrico County, the property owner, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared, draft text and layout for the interpretive sign. The draft text and layout and proposed location for placement of the interpretive sign shall be submitted to FRA, Virginia SHPO, the property owner, and other Consulting Parties, as appropriate, for review and comment; and to Henrico County for review and approval, as described under Stipulation IV(B) and (C). Within six (6) months after the interpretive sign text, layout, and location are approved by Henrico County, DRPT shall produce the interpretive sign and install it. Henrico County is under no obligation to approve the interpretive sign. If Henrico County does not approve the interpretive sign to be a part of their marker and signage program or if a suitable location for placement cannot be found, DRPT shall consult with FRA, Virginia SHPO, Henrico County, and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the historic properties to the public.

M. Shockoe Valley & Tobacco Row Historic District (DHR Inventory No. 127-0344)

1. Draft designs for the platform and other structural changes to Main Street Station and the surrounding rail facilities in Shockoe Bottom shall be compatible with the architectural and historic character of the surrounding historic district and meet the guidelines set forth in the City Old and Historic District, under the auspice of the Richmond Commission of Architectural Review. DRPT shall submit draft design plans for the new platform and other structural changes at the schematic, 30%, 65%, and 90% stages concurrently to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Richmond Commission of Architectural Review, Historic Richmond Foundation, Preservation Virginia, NTHP, and Consulting Parties for review and comment as described under Stipulation IV(B) and (C). The design packet shall include a set of structure plans and elevations, as well as a schematic showing the proposed structure design in relation to the surrounding historic district and nearby historic properties to show proposed visual modifications.
2. Within four (4) years of receipt of Project construction funding in this segment as described in Stipulation V(C), DRPT shall create, or cause to be created through the engagement of a qualified consultant, a historic context on the

association of the RF&P railroad, the downtown Richmond segment of the Virginia Central Railroad, and other precursors of the Chesapeake and Ohio/Seaboard Railroad and the slave trade in Virginia. This includes acquiring archival data on the establishment and proliferation of the slave trade in Shockoe Bottom and associated activities between Richmond and Washington, D.C along the rail lines, as well as gathering reconnaissance-level data on any extant buildings or known archaeological sites along the rail corridor between Washington, D.C. and Richmond that have an association with the slave trade. The task shall also include community engagement and ethnographic research regarding the significance of the slave trade in Shockoe Bottom and surrounding district to the descendent community. DRPT or its consultants, as applicable, shall consult with Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Richmond Commission of Architectural Review, Historic Richmond Foundation, Preservation Virginia, NTHP, and Consulting Parties, as appropriate, to identify community members to include in such ethnographic research. The data obtained during all phases of research shall be compiled into a report and georeferenced on modern aerial maps to create a series of GIS-based overlays. DRPT shall submit a draft report concurrently to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall disseminate the final report to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, Library of Virginia, and public libraries and historical societies for their collections; and to the other Consulting Parties upon written request. The digital data obtained as part of this process shall also be disseminated to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, Library of Virginia, and to other groups who have an interest in this topic upon written request, provided that the dissemination meets the requirements set forth in the Archeological Resources Protection Act.

3. Within four (4) years of receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall provide, or cause to be provided through the engagement of a qualified consultant, a lecture for the general public on the results of the contextual study on the association of the RF&P and associated railroads and the slave trade, preferably to be presented in Richmond. The exact time and location will be determined based on consultation with Consulting Parties, with a goal of maximizing opportunities for public attendance. This lecture shall be advertised in Richmond, Fredericksburg, Alexandria, and other areas highlighted in the research.
4. Within four (4) years of funding in this segment as described in Stipulation V(C) and concurrent with the preparation of the RF&P and associated railroads and slave trade context, DRPT shall fund the fabrication and installation of a

Virginia state historical highway marker, in accordance with Va. Code Ann. §§ 10.1–2202, 10.1–2204, and 10.1–2209, which govern the State Historical Highway Markers Program, to be located near the site of Lumpkin’s Jail/Devil’s Half Acre (Site 44HE1053) to disseminate information about the site, the nearby Burial Ground for Negroes (Site 44HE1089), and the associated slave trade in this area to the general public. In consultation with FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared, draft text for the state historical highway marker. DRPT shall submit the draft text for the state historical highway marker to the Virginia SHPO historical highway marker program for review and approval pursuant to the agency’s established procedures and regulations for the State Historical Highway Markers Program; and to the City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). The Virginia SHPO shall then perform its respective role, as prescribed by the agency’s established procedures for the Virginia State Historical Highway Markers Program.

The Virginia Board of Historic Resources is under no obligation, and nothing in this MOA should be construed to require the Virginia Board of Historic Resources, to approve the state historical highway marker. If the Virginia Board of Historic Resources approves the state historical highway marker, DRPT shall request that VDOT install the state historical highway marker within six (6) months after its approval. The VDOT is under no obligation to accept this request. If the Virginia Board of Historic Resources does not approve the state historical highway marker, DRPT shall consult with FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the slave trade and associated sites of significance in this area to the public.

5. Within four (4) years of receipt of Project construction funding in this segment as described in Stipulation V(C) and concurrent with the context preparation, DRPT shall work with the City of Richmond, City of Richmond Planning and Preservation Division, Virginia SHPO, Historic Richmond Foundation, Preservation Virginia, NTHP, and Consulting Parties, as appropriate, to establish boundaries for a potential historic district (or other appropriate historic resource type) that encompasses resources associated with the slave trade in Shockoe Bottom. The geographic data shall be added to the ongoing historic district research completed by the Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, and others on file at the Virginia SHPO office. DRPT shall submit a draft boundary and any other pertinent data concurrently to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation,

Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall disseminate the final boundary and other pertinent data to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and the other Consulting Parties upon written request. The digital data obtained as part of this process will also be used to update the Virginia SHPO online site database provided that the dissemination meets the requirements set forth in the Archeological Resources Protection Act.

N. Main Street Station Parking Lot/Railroad (Site 44HE1098), Railroad Warehouse (44HE1097), and Warehouse (Site 44HE1094)

1. These three (3) sites are all located within two (2) adjacent blocks in Shockoe Bottom. DRPT shall avoid all three (3) sites (44HE1098, 44HE1097, and 44HE1094) where possible. For the portions of the archaeological sites that cannot be avoided and where appropriate, DRPT shall conduct Phase III archaeological data recovery in areas with the potential for intact subsurface remains prior to ground disturbing activities and within two (2) years of receipt of Project construction funding in this segment as described under Stipulation V(C). The archaeological work at all three (3) sites shall include the following components:
 - a. DRPT shall develop a separate draft data recovery plan per site for the investigations and submit the plan concurrently to FRA and Virginia SHPO for review and approval, and to City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). The plan shall be consistent with the Secretary of the Interior's *Standards and Guidelines for Archaeological Documentation* (48 Fed. Reg. 44734–37, September 29, 1983) and take into account ACHP's publication, *Treatment of Archaeological Properties* (1980). Each plan shall include:
 - 1) The property, properties, or portions of properties where site-specific data recovery plans shall be carried out;
 - 2) Any property, properties, or portions of properties that will be destroyed or altered without data recovery;
 - 3) The research questions to be addressed through data recovery, with an explanation of their relevance and importance;
 - 4) The methods to be used with an explanation of their relevance to the research questions;

- 5) The methods to be used in analysis, data management, and dissemination of data, including a schedule;
 - 6) The proposed disposition of recovered materials and records;
 - 7) Proposed methods of disseminating the results of the work to interested individuals and/or organizations who have expressed an interest in the data recovery; and
 - 8) A schedule for the submission of progress reports to FRA, Virginia SHPO, City of Richmond, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate.
- b. Upon revision of the plan and approval of the three (3) data recovery plans by FRA and Virginia SHPO, DRPT shall complete, or cause to be completed through the engagement of a qualified consultant, all GIS overlays and archaeological excavation described in the recovery plan at each site. Depending on the approved data recovery plan, one (1) report containing data on all three (3) excavations may be produced, or three (3) separate documents may be completed. In either case, the report(s) shall meet all state standards for data recovery reports and include required components. DRPT shall submit draft copies of the ensuing report concurrently to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties for review and comment as described under Stipulation IV(B) and (C). Final copies of the report shall be disseminated to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and Library of Virginia for their collections, and to other Consulting Parties upon written request. Final VCRIS forms and associated packets will be given to the Virginia SHPO at this time for their archives.
2. Using the information gathered during the mapping and data recovery, within four (4) years of the receipt of Project construction funding in this segment as described under Stipulation V(C), DRPT shall produce, or cause to be produced through the engagement of a qualified consultant, a cohesive scholarly article discussing the historical and archaeological importance of these three sites. FRA, DRPT, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, shall discuss the location for submittal for publication, and the final publication submittal location shall be determined based on consensus of involved parties. DRPT shall submit the article to the agreed upon location and shall have no other obligations with respect to any actions that may be taken by the publisher once the article is submitted and accepted or declined, except that DRPT shall undertake any revisions or provide other assistance requested by the publisher if the article is accepted for publication.

3. Within three (3) years of receipt of funding for Project construction in this segment, as described under Stipulation V(C), DRPT shall provide, or cause to be provided through the engagement of a qualified consultant, a lecture for the general public on the results of the archaeological studies on these three (3) sites, preferably to be presented in the City of Richmond. This lecture shall be advertised in the Richmond area and the surrounding region.
4. Within three (3) years of the receipt of funding for Project construction in this segment as described under Stipulation V(C), DRPT shall fund the fabrication and installation of an interpretive sign within or near Main Street Station as part of station's interior design or exterior landscaping to disseminate information about the history of this area and the archaeological studies completed at Sites 44HE1098, 44HE1097, and 44HE1094 to the general public. In consultation with FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, property owner, and other Consulting Parties, as appropriate, DRPT shall prepare, or cause to be prepared, draft text and layout for the interpretive sign. The draft text, layout, and proposed location for placement of the interpretive sign shall be submitted to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, for review and comment; and owners and managers of Main Street Station for review and approval, as described under Stipulation IV(B) and (C). Within six (6) months after the interpretive sign text, layout, and location are approved by the owners and managers of Main Street Station DRPT shall produce the interpretive sign and install it. The owners and managers of Main Street Station are under no obligation to approve the interpretive sign. If the owners and managers of Main Street Station do not approve the signage to be a part of their facility or if a suitable location for placement cannot be found, DRPT shall consult with FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, to determine an appropriate method to interpret the historic properties to the public.

O. Main Street Station and Trainshed (DHR Inventory No. 127-0172)

1. Draft designs for platform modifications to Main Street Station and Trainshed shall be compatible with the architectural and historic character of the building and nearby historic properties and meet the guidelines set forth in the City Old and Historic District, under the auspice of the Richmond Commission of Architectural Review. DRPT shall submit draft design plans for modifications at the schematic, 30%, 65%, and 90% stages concurrently to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Richmond Commission of Architectural Review, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as

appropriate, for review and comment as described under Stipulation IV(B) and (C). The design packet shall include a set of structure plans and elevations, as well as a schematic showing the proposed platform structure design in relation to the building and nearby historic properties to show proposed visual modifications.

2. Within four (4) years of receipt of Project construction funding in this segment as described in Stipulation V(C), DRPT shall create, or cause to be created through the engagement of a qualified consultant, a historic context on the evolution of the rail system in downtown Richmond. This includes acquiring archival data on the establishment of and modifications to the earliest rail lines in the city, development of the RF&P rail line and other nineteenth-century rail lines downtown, creation of the Atlantic Coast Line Railroad and the Seaboard Air Line Railroad, and the physical impacts of the different lines on downtown Richmond, including buildings, structures, and landscapes that represent this evolution. The data obtained during the research shall be compiled into a report. DRPT shall submit a draft report concurrently to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall disseminate the final report to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and Library of Virginia, and public libraries and historical societies for their collections; and to the other Consulting Parties upon written request.
3. Within four (4) years of receipt of Project construction funding in this segment as described in Stipulation V(C) and upon completion of the context, DRPT shall create, or cause to be created through the engagement of a qualified consultant, an abbreviated narrative on the history of the railroad in Richmond with accompanying visuals, as well as details of the Project, and post the document on a webpage deemed appropriate for the subject matter, such as the Online Exhibits page of the Valentine Museum's webpage (<https://thevalentine.org/exhibitions/online/>). The data can be uploaded as a stand-alone webpage or as a downloadable .pdf. The data shall remain on their webpage for a minimum of two (2) years. DRPT shall submit a draft of the webpage content concurrently to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, The Valentine, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall disseminate the final webpage to The Valentine for their placement on the webpage. The Valentine is under no obligation to approve the webpage. If the Valentine does not approve the webpage content to be a part of their digital programming, DRPT shall consult with FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Historic Richmond Foundation, Preservation Virginia, NTHP, and other

Consulting Parties, as appropriate, to determine an appropriate method to disseminate this data to the public.

P. Seaboard Air Line Railroad Corridor (DHR Inventory No. 127-6271)

1. Draft designs for modifications to contributing resources to the Seaboard Air Line Railroad Corridor shall be compatible with the architectural and historic character of the rail corridor and any applicable design standards for their respective localities. DRPT shall submit draft design plans for modifications at the schematic, 30%, 65%, and 90% stages concurrently to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Richmond Commission of Architectural Review, Historic Richmond Foundation, Preservation Virginia, NTHP, and other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). The design packet shall include a set of structure plans and elevations, as well as a schematic showing the proposed structure design in relation to the building and nearby historic properties to show proposed visual modifications.
2. Within four (4) years of receipt of Project construction funding in this segment as described in Stipulation (C), DRPT shall create, or cause to be created through the engagement of a qualified consultant, a historic context on railroad depots and associated facilities along the Seaboard Air Line Railroad in Virginia. This includes acquiring archival data on the history of past and present historic buildings developed as part of the Seaboard Air Line Railroad system between Richmond and the North Carolina state line.

As part of this contextual study, DRPT shall document, or cause to be documented through the engagement of a qualified consultant, all stations and towers that are contributing elements to the Seaboard Air Line Railroad that have not been previously recorded with the Virginia SHPO. The DRPT shall prepare, or cause to be prepared, photographic documentation of each structure consistent with guidance found in “Photographic Documentation for National Park Service Basic Survey” and DHR’s “Photographic Documentation for Virginia Department of Historic Resources (DHR) Survey” (Updated 2016); and complete a Virginia SHPO Intensive Level Survey form for each recorded depot and tower in the Virginia SHPO’s VCRIS system.

The data obtained during the contextual research and architectural study shall be documented in a written report. DRPT shall submit a draft report concurrently to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Richmond Commission of Architectural Review, Historic Richmond Foundation, Preservation Virginia, NTHP, and the other Consulting Parties, as appropriate, for review and comment as described under Stipulation IV(B) and (C). DRPT shall disseminate the final report to FRA, Virginia SHPO, City of Richmond, City of Richmond Planning and Preservation Division, Richmond Commission of Architectural Review, Historic Richmond

Foundation, Preservation Virginia, NTHP, Virginia Museum of History & Culture, Library of Virginia, and public libraries and historical societies for their collections; and to the other Consulting Parties, upon written request. Final VCRIS forms and associated packets shall be given to the Virginia SHPO at this time for their archives.

III. PROFESSIONAL QUALIFICATIONS

- A. All cultural resource work carried out pursuant to this MOA shall be conducted by or under the direct supervision of an individual or individuals who meet, at a minimum, the Secretary of the Interior's Professional Qualifications Standards for Preservation Professionals (48 Fed. Reg. 44738–44739 (September 29, 1983)).
- B. In preparing all archaeological studies resulting from this MOA, the preparer shall take into account ACHP's publications, *Section 106 Archaeology Guidance* (2009) and *Recommended Approach for Consultation on Recovery of Significant Information from Archeological Sites* (1999) as well as state-specific archaeological guidelines on best practice and procedure, as applicable.
- C. In preparing all architectural studies resulting from this MOA, the preparer shall take into account guidelines on specific architectural projects issued by the U.S. Department of the Interior/National Park Service (such as the Bulletin entitled *How To Complete the National Register Registration Form*) and state-specific guidelines on best practices and procedures, as applicable.

IV. PREPARATION AND REVIEW OF DOCUMENTS

- A. All studies, technical reports, and treatment plans prepared pursuant to this MOA shall be consistent with pertinent standards and guidelines including, as applicable, *The Secretary's Standards and Guidelines for Historical Documentation* (48 Fed. Reg. 44728-30), *The Secretary's Standards and Guidelines for Architectural and Engineering Documentation* (48 Fed. Reg. 44730-34), *Archaeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines* (48 Fed. Reg. 44716-44742, September 29, 1983), ACHP's *Treatment of Archaeological Properties: A Handbook*, ACHP's *Recommended Approach for Consultation on Recovery of Significant Information from Archaeological Sites* (1999), and the Virginia SHPO's *Guidelines for Conducting Historic Resources Survey in Virginia* (October 2017), or subsequent revisions or replacements to these documents and are in accordance with 36 C.F.R. § 800.11(d) and (e) per the SEHSR PA Stipulation IV.
- B. DRPT shall provide the Virginia SHPO two (2) copies (one [1] bound archival hard copies and one [1] in Portable Document Format (PDF) on compact disc or other electronic format that is acceptable to DRPT and Virginia SHPO) of all draft and final reports prepared pursuant to this MOA. DRPT shall also provide a hardcopy of any draft and final report to the Consulting Parties to this MOA unless a Consulting Party requests the material in another format acceptable to DRPT. The requesting

Consulting Party must submit such requests to DRPT in writing. DRPT shall provide a hardcopy of all final reports to all non-Consulting Party recipients as identified in the stipulations above.

- C. The Virginia SHPO and the other Consulting Parties agree to provide comments on all Project plans, technical reports, treatment plans, and other documentation arising from this MOA to DRPT within thirty (30) calendar days of receipt of complete information. If DRPT does not receive comments from the Virginia SHPO or the other Consulting Parties within the thirty (30) calendar-day review period, DRPT may assume that the non-responding party has no comments. DRPT shall ensure that all comments received within the thirty (30) calendar-day review period are addressed in the final product.
- D. Notwithstanding any other commitments herein to distribute documentation to FRA, DRPT shall provide FRA with a final copy of any Project plans, technical reports, treatment plans, and other documentation arising under this MOA once it has been agreed upon by Virginia SHPO and DRPT and any relevant Consulting Parties. All submissions to FRA should be in electronic format unless electronic format is not feasible or practical.

V. ANTI-DEFICIENCY ACT AND APPROPRIATIONS

- A. All requirements set forth in this MOA requiring the expenditure of Federal Government funds are expressly subject to the availability of appropriated funds. Nothing in this MOA shall be interpreted to establish obligations or require payments in violation of the Anti-Deficiency Act (31 U.S.C. § 1341). DRPT shall notify the Signatories and Consulting Parties when it has acquired the funding for the Project, including funding for any phase of the project, as contemplated in Stipulation V(C).
- B. All requirements set forth in this MOA requiring the expenditure of Commonwealth of Virginia funds are expressly subject to the appropriation of funds by the Virginia General Assembly, and, if applicable, the allocation of funds by the Commonwealth Transportation Board.
- C. Funding sources for construction of the Project have not yet been determined. It is expected that there will be a mix of federal, state and local funding. There is a potential for funding to be available in phases. The mitigation measures for the treatment of adversely affected historic properties described in Stipulation II will apply as funding is obtained for the Project phase where each resource is physically located. There is no obligation to implement the mitigation measures identified in Stipulation II prior to receipt of funding.
- D. DRPT is responsible for the successful completion and funding of any mitigation measures pursuant to Stipulation II.

VI. UNEXPECTED DISCOVERIES AND IMPACTS

- A. In the event that previously unidentified archaeological resources are discovered during ground disturbing activities within the APE, but outside of the boundaries of an archaeological site that has been determined to be not eligible for the NRHP in its entirety, DRPT shall immediately halt all construction work within one-hundred (100) feet of the discovery and in the surrounding area where further subsurface resources can reasonably be expected to occur and immediately notify FRA and the Virginia SHPO of the discovery. In the case of potentially prehistoric or historic Native American sites, FRA shall also notify federally recognized Indian tribes with interest and DRPT shall notify appropriate federally recognized Indian tribes and/or Virginia Indian tribes within two (2) working days of the discovery. Notification of completion of activities shall be done in accordance with Stipulation IV pending Virginia SHPO approval of the action.
- B. DRPT shall ensure that an archaeologist meeting the *Secretary of the Interior's Professional Qualification Standards* (48 FR 44739) investigates the work site and the resource within seven (7) days, and then DRPT shall forward to FRA, the Virginia SHPO, the other Consulting Parties and, if necessary, the federally recognized Indian tribes with an interest in the area and appropriate Virginia Indian tribes, an assessment of the NRHP eligibility of the resource (36 C.F.R pt. 60.4), determination of project effect, and proposed treatment actions to resolve any adverse effects on historic properties. The Virginia SHPO, the other Consulting Parties and, if participating, the federally recognized Indian tribes and the Virginia Indian tribes, shall respond within five (5) working days of receipt of DRPT's assessment of NRHP eligibility of the resource and proposed action plan. DRPT, in coordination with FRA, shall take into account the recommendations of the Virginia SHPO, the other Consulting Parties and, if participating, the federally recognized Indian tribes and the Virginia Indian tribes regarding NRHP eligibility of the resource and the proposed action plan, and then carry out the appropriate actions.
- C. In the event that above-ground historic properties within the APE, but not among the 21 adversely effected historic properties listed in this MOA, are inadvertently affected during construction, DRPT shall immediately halt all construction work within fifty (50) feet of the impacted historic property and in the surrounding area, and immediately notify FRA the Virginia SHPO, and the other Consulting Parties of the issue.
- D. DRPT shall ensure that an architectural historian or historic architect meeting the *Secretary of the Interior's Professional Qualification Standards* (48 Fed. Reg. 44739) investigates the work site and the historic property within seven (7) days, and then DRPT shall forward to FRA, the Virginia SHPO, and the other Consulting Parties an assessment of effect to the historic property and proposed treatment actions to resolve any adverse effects on historic properties. The Virginia SHPO and the other Consulting Parties shall respond within five (5) working days of receipt of DRPT's assessment of effect and proposed treatment actions. DRPT, in consultation with FRA, shall take into account the comments and recommendations of the

Virginia SHPO and the other Consulting Parties regarding the assessment of effect and the proposed treatment actions, and then carry out the treatment actions.

- E. DRPT shall ensure that ground disturbing activities within the affected area do not proceed until the appropriate treatment measures are developed and implemented or a determination of ineligibility is made.

VII. HUMAN REMAINS

DRPT shall ensure that human skeletal remains and associated funerary objects encountered during the course of actions taken as a result of this MOA shall be treated in accordance with the Regulations Governing Permits for the Archaeological Removal of Human Remains (Virginia NRHP 390–01–02) found in Va. Code Ann. §§ 10.1–2305, *et seq.*, the Virginia Antiquities Act as well as ACHP’s “Policy Statement Regarding Treatment of Burial Sites, Human Remains, and Funerary Objects” adopted on February 23, 2007. DRPT shall obtain a permit from the Virginia SHPO for the removal of human remains in accordance with the regulations stated above, as appropriate.

VIII. USE OF MOA BY OTHER FEDERAL AGENCIES

In the event that a Federal agency other than FRA is considering funding, permits, licenses, or approvals for the Project, such Federal agency may become a signatory to this MOA as a means of complying with its responsibilities under Section 106 for its undertaking relating to the Project. To become a signatory to this MOA, the agency official must provide written notice to the Signatories that the agency agrees to the terms of the MOA, specifying the extent of the agency’s intent to participate in the MOA. The participation of the agency is subject to approval by the Signatories, who must respond to the written notice within thirty (30) days or the approval will be considered implicit. Any necessary amendments to the MOA as a result will be considered in accordance with Stipulation X.

IX. DISPUTE RESOLUTION

- A. Should any Signatory, Consulting Party, or member of the public object in writing to FRA regarding any action carried out or proposed with respect to any undertakings covered by this MOA, or to the implementation of this MOA, FRA shall notify the other Signatories of the objection and consult with the objecting party to attempt to resolve the objection within thirty (30) days of receipt of the written objection.
- B. If after initiating such consultation, FRA determines within the thirty (30) day period in subparagraph (A) of this Stipulation IX that the objection cannot be resolved through consultation with the objecting party, FRA shall then consult with all Signatories to resolve the objection. If the objection still cannot be resolved within thirty (30) days of all Signatories being advised of the objection and so consulted, FRA shall then forward all documentation relevant to the objection to ACHP, including a proposed response to the objection, and request ACHP’s comment on the objection as described in subsection (C) of this Stipulation IX.

C. When forwarding relevant documentation and a proposed response to ACHP, FRA shall request that within thirty (30) days after receipt ACHP exercise one of the following options:

1. Advise FRA that ACHP concurs with FRA's proposed response to the objection, whereupon the FRA shall respond to the objecting party accordingly; or
2. Provide FRA with one (1) or more ACHP recommendations for resolving the objection, which FRA shall take into account in reaching a final decision regarding its response to the objection, which it shall render within ten (10) days of receiving ACHP's recommendation(s).

D. Should ACHP not exercise one (1) of the above options within thirty (30) days after receipt of all pertinent documentation and proposed response, FRA may make a final decision on the dispute and proceed accordingly.

E. FRA shall take into account any ACHP recommendation provided in accordance with this Stipulation IX with reference only to the subject of the objection. FRA's responsibility to carry out all other actions under this MOA that are not the subject of an objection made pursuant to this Stipulation IX shall remain unchanged.

F. At any time during implementation of the measures stipulated in this MOA should an objection pertaining to this MOA be raised by a member of the public, FRA shall notify the Signatories to this MOA and take the objection into account, consulting with the objector and with the Signatories to this MOA in an effort to resolve the objection to follow the SEHSR PA Stipulation XI (B).

X. AMENDMENTS

Any Signatory to this MOA may propose to FRA that the MOA be amended, whereupon FRA shall consult with the other Signatories to consider such an amendment. All Signatories to the MOA must agree to the proposed amendment in accordance with 36 C.F.R. § 800.6(c)(7).

XI. TERMINATION

- A. If any Signatory to this MOA determines that its terms will not or cannot be carried out, that party shall immediately consult with the other Signatories to attempt to develop an amendment per Stipulation X, above. If within thirty (30) days (or another time period agreed to by all signatories) an amendment cannot be reached, any signatory may terminate the MOA upon written notification to the other signatories. Once the MOA is terminated, and prior to work continuing on the undertaking, FRA must either (a) execute an MOA pursuant to 36 CFR § 800.6 or (b) request, take into account, and respond to the comments of the ACHP under 36

CFR § 800.7. FRA shall notify the signatories as to the course of action it will pursue.

- B. If FRA and DRPT decide they shall not proceed with the Project, they shall so notify the other Signatories and Consulting Parties in writing, and this MOA shall become null and void.
- C. If FRA, DRPT, Virginia SHPO, or ACHP determines that they cannot implement the terms of this MOA, or if the Virginia SHPO or ACHP determines that this MOA is not being properly implemented, FRA and DRPT jointly, or the Virginia SHPO or ACHP individually, may propose to the other parties that this MOA be amended or terminated.
- D. Termination shall include the submission of a technical letter report to the Virginia SHPO by DRPT, in coordination with FRA, on any work done up to and including the date of termination. DRPT shall ensure that any associated collections and records recovered are curated in accordance with state guidelines.

XI. EFFECTIVE DATE

This MOA shall be effective as of the date of the last signature of the Signatories.

XII. DURATION

This MOA shall continue in full force and effect for fifteen (15) years after the effective date. At any time in the six (6)-month period prior to the expiration of that initial term, the Signatories may consult to consider extending or modifying this MOA. No extension or modification shall be effective unless all Signatories to the MOA have agreed to it in writing. Any extension or modification of this MOA shall be in accordance with Stipulation X.

XIII. NO WAIVER OF SOVEREIGN IMMUNITY

Nothing in this MOA shall be deemed a waiver of a Signatory's sovereign immunity.

XIV. EXECUTION

This MOA may be executed in counterpart. FRA shall ensure that each of the Signatories is provided a copy of the executed MOA.

Execution of this MOA by FRA, ACHP, DRPT, and the Virginia SHPO, and its submission to ACHP pursuant to 36 C.F.R. § 800.6(c), is evidence that FRA has afforded ACHP an opportunity to comment on the proposed Project and its effects on historic properties, and that FRA has taken into account the effects of the Project on historic properties.

**MEMORANDUM OF AGREEMENT
AMONG THE VIRGINIA HISTORIC PRESERVATION OFFICE,
THE FEDERAL RAILROAD ADMINISTRATION, ADVISORY COUNCIL OF
HISTORIC PRESERVATION,
AND THE VIRGINIA DEPARTMENT
OF RAIL AND PUBLIC TRANSPORTATION
REGARDING THE WASHINGTON, D.C. TO RICHMOND, VIRGINIA
SOUTHEAST HIGH SPEED RAIL PROJECT**

FEDERAL RAILROAD ADMINISTRATION

By: Marlys Osterhues Date: 7/9/2019
Marlys Osterhues, *Division Chief*
Environment and Corridor Planning Divisions


**MEMORANDUM OF AGREEMENT
AMONG THE VIRGINIA HISTORIC PRESERVATION OFFICE,
THE FEDERAL RAILROAD ADMINISTRATION, ADVISORY COUNCIL OF
HISTORIC PRESERVATION,
AND THE VIRGINIA DEPARTMENT
OF RAIL AND PUBLIC TRANSPORTATION
REGARDING THE WASHINGTON, D.C. TO RICHMOND, VIRGINIA
SOUTHEAST HIGH SPEED RAIL PROJECT**

VIRGINIA STATE HISTORIC PRESERVATION OFFICE

By:  Date: 7/9/19
Julie V. Langan, Director, Virginia Department of Historic Resources

**MEMORANDUM OF AGREEMENT
AMONG THE VIRGINIA HISTORIC PRESERVATION OFFICE,
THE FEDERAL RAILROAD ADMINISTRATION, ADVISORY COUNCIL OF
HISTORIC PRESERVATION,
AND THE VIRGINIA DEPARTMENT
OF RAIL AND PUBLIC TRANSPORTATION
REGARDING THE WASHINGTON, D.C. TO RICHMOND, VIRGINIA
SOUTHEAST HIGH SPEED RAIL PROJECT**

ADVISORY COUNCIL ON HISTORIC PRESERVATION






By:  Date: 7/16/19
John M. Fowler, *Executive Director*






**MEMORANDUM OF AGREEMENT
AMONG THE VIRGINIA HISTORIC PRESERVATION OFFICE,
THE FEDERAL RAILROAD ADMINISTRATION, ADVISORY COUNCIL OF
HISTORIC PRESERVATION,
AND THE VIRGINIA DEPARTMENT
OF RAIL AND PUBLIC TRANSPORTATION
REGARDING THE WASHINGTON, D.C. TO RICHMOND, VIRGINIA
SOUTHEAST HIGH SPEED RAIL PROJECT**






VIRGINIA DEPARTMENT OF RAIL AND PUBLIC TRANSPORTATION






By: Jennifer F. Mitchell Date: 7/3/19
Jennifer Mitchell, *Director*


Table 1: Summary of Mitigation Per Adversely Effected Historic Property (Listed North to South).

Resource Name	Image	NRHP Nom	Interp Signage	Intensive Arch'ture Survey	Cultural Landsep Report	GIS Mapping & Overlays	HABS/ HAER/ Analysis	Arch'y Data Recovery	Webpage	Public Talk	Oral Histories	Scholarly Article	Structure Treatmt	Other
Richmond, Fredericksburg and Potomac Railroad (500-0001)				X							X			Web-based Story Map on 120 Historic Properties
RF&P Bridge over Occoquan River (500-0001-0022)							X						X	
Rippon Lodge (076-0023)			X		X								X	Assist with Vegetative Removal/ Underbrush Clearing to Restore Viewshed
Site 44ST1223- Civil War Campsite			X			X		X				X		
Rappahannock River Railroad Bridge & Structures/ Platform (111-0132-0025)					X		X						X	

Resource Name	Image	NRHP Nom	Interp Signage	Intensive Arch'ture Survey	Cultural Landscp Report	GIS Mapping & Overlays	HABS/ HAER/ Analysis	Arch'y Data Recovery	Webpage	Public Talk	Oral Histories	Scholarly Article	Structure Treatmt	Other
Site 44SP0187- Bridge/Marye's Mill			X			X		X		X		X		Artifact Display in New Rail Station
Fredericksburg Historic District (111-0132)									X	X		X	X	Context of RR History in Fredericks- burg
Site 44SP0688- Block 49/Train Station			X					X		X		X		Artifact Display in New Rail Station
Site 44SP0687- Block 48/Train Station			X					X		X		X		Artifact Display in New Rail Station
Site 44SP0468- Earthwork/ Jackson's Earthwork			X			X		X				X		

Resource Name	Image	NRHP Nom	Interp Signage	Intensive Arch'ture Survey	Cultural Landscp Report	GIS Mapping & Overlays	HABS/ HAER/ Analysis	Arch'y Data Recovery	Webpage	Public Talk	Oral Histories	Scholarly Article	Structure Treatmt	Other
Doswell Historic District (042-5448)		X	X						X					
Doswell Depot and Tower (042-0093)			X				X							Move Tower
Berkleystown Historic District (166-5073)		X	X								X		X	Aid in Text for Walking Tour of District
Laurel Industrial School Historic District (043-0292)			X			X							X	
Main Building/ Robert Stiles Building (043-0292-0001)			X										X	Context on Reform Schools in Central VA

Resource Name	Image	NRHP Nom	Interp Signage	Intensive Arch'ture Survey	Cultural Landscp Report	GIS Mapping & Overlays	HABS/ HAER/ Analysis	Arch'y Data Recovery	Webpage	Public Talk	Oral Histories	Scholarly Article	Structure Treatmt	Other
Shockoe Valley & Tobacco Row Historic District (127-0344)			X			X				X	X (research & interviews with descendent comm'y)		X	Context on VA RR & Slave Trade; Boundary Delineation for Slave Trade MPD
Site 44HE1098- Main Street Station Parking Lot/Railroad			X					X		X		X		
Site 44HE1097- Railroad, Warehouse			X					X		X		X		
Main Street Station and Trainshed (127-0172)									X				X	Context on RR history of Richmond
Seaboard Air Line Railroad Corridor (127- 6271)				X									X	Context on SAL Stations in VA

Resource Name	Image	NRHP Nom	Interp Signage	Intensive Arch'ture Survey	Cultural Landscp Report	GIS Mapping & Overlays	HABS/ HAER/ Analysis	Arch'y Data Recovery	Webpage	Public Talk	Oral Histories	Scholarly Article	Structure Treatmt	Other
Site 44HE1094- Warehouse			X					X		X		X		

APPENDIX A: List of Cultural Resource Reports Completed on the DC2RVA Project Area

Archaeological Sites/Resources (in publication order)

Klein, Mike, Emily Calhoun, Marco González, and Earl E. Proper

2015 *Archaeological Background Review and Predictive Model for the Washington, D.C. to Richmond, Virginia, Southeast High Speed Rail Corridor*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

McCloskey, Kevin, Earl Proper, Curtis McCoy, Emily Calhoun, Morgan MacKenzie, and Joseph Blondino

2016 *Phase IB Archaeological Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Rosslyn to Alexandria (ROAF) through Buckingham Branch/Hospital Wye (BBHW) Segments*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

McCloskey, Kevin, Emily Calhoun, Kerry González, and Mike Klein

2018 *Phase IB Archaeological Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Preferred Alternative Limits of Disturbance*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Buildings, Structures, Objects, and Districts (in publication order)

Staton, Heather Dollins, and Adriana Lesiuk

2015 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Dahlgren Junction to Fredericksburg (DJFB) Segment, City of Fredericksburg and Stafford County*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Staton, Heather Dollins, Adriana Lesiuk, and M. Chris Manning

2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Arkendale to Dahlgren Junction (ARDJ) Segment Stafford County*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Staton, Heather D., Adriana T. Lesiuk, and Emily K. Anderson

2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Rosslyn to Alexandria (ROAF) Segment Arlington County and the City of Alexandria*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Staton, Heather Dollins, Adriana T. Lesiuk, Emily K. Anderson, and Earl P. Proper
2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Alexandria to Franconia (AFFR) Segment City of Alexandria and Fairfax County*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Manning, M. Chris, Earl Proper, Adriana Lesiuk, and Heather Dollins Staton
2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Franconia to Lorton (FRLO) Segment Fairfax County*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Staton, Heather Dollins, M. Chris Manning, and Adriana Lesiuk
2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Lorton to Powells Creek (LOPC) Segment Prince William and Fairfax Counties*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Anderson, Emily K., and Heather D. Staton
2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Fredericksburg to Hamilton (FBHA) and Hamilton to Crossroads (HAXR) Segments, Spotsylvania County*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Manning, M. Chris, and Michelle Salvato
2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Crossroads to Guinea (XRGU), Guinea to Milford (GUMD), and Milford to North Doswell (MDND) Segments Spotsylvania, Caroline, and Hanover Counties*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Lesiuk, Adriana T., and M. Chris Manning
2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Elmont to Greendale (ELGN) Segment, Hanover and Henrico Counties*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Sylvester, Caitlin C., and Heather D. Staton
2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Greendale to SAY/WAY (GNSA), SAY/WAY to AM Jct (SAAM) and Buckingham Branch/Hospital Wye (BBHW) Segments, Henrico County and City of Richmond*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Anderson, Emily K., and Heather D. Staton

2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project AM Jct to Centralia - S Line (AMCE) and AM Jct to Fulton Yard (AMFY) Segments, City of Richmond and Chesterfield County.* DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Lesiuk, Adriana T., and Heather D. Staton

2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project WAY to Centralia – A Line (WACE) Segment, Chesterfield County and City of Richmond.* DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Peckler, Danae

2016 *Architectural Reconnaissance Survey for the Washington, D.C. to Richmond, Virginia High Speed Rail Project North Doswell to Elmont (NDEL) Segment, Hanover County.* DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Chase, Kristine A.

2017 *Architectural Reconnaissance Survey of Structures for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Rosslyn to Alexandria (ROAF) through Buckingham Branch/Hospital Wye (BBHW) Segments.* DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Moss, Adriana T., and Kerri S. Barile

2018 *Addendum: Architectural Reconnaissance Survey of the LOD Expansion Area for the Washington, D.C. to Richmond, High Speed Rail Project, Arlington, Caroline, Chesterfield, Hanover, Henrico, Fairfax, Prince William, Stafford, and Spotsylvania Counties and the Cities of Alexandria, Fredericksburg, and Richmond, Virginia.* DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Barile, Kerri S., Kristine A. Chase, Sean Maroney, Adriana T. Moss, Danae Peckler, and Heather Dollins Staton

2018 *Architectural Intensive Investigations for the Washington, D.C. to Richmond Southeast High Speed Rail (DC2RVA) Project (Report A).* DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Barile, Kerri S., Melissa Butler, Adriana T. Moss, Danae Peckler, Heather Dollins Staton, Caitlin Sylvester, and Lenora Wiggs

2018 *Architectural Intensive Investigations for the Washington, D.C. to Richmond Southeast High Speed Rail (DC2RVA) Project (Report B).* DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Barile, Kerri S., Melissa Butler, Adriana T. Moss, Heather Dollins Staton, Caitlin Sylvester, and Lenora Wiggs

2018 *Architectural Intensive Investigations for the Washington, D.C. to Richmond Southeast High Speed Rail (DC2RVA) Project (Report C)*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

Combined Cultural Resources/Reconnaissance Studies (in publication order)

Staton, Heather Dollins, and Earl E. Proper

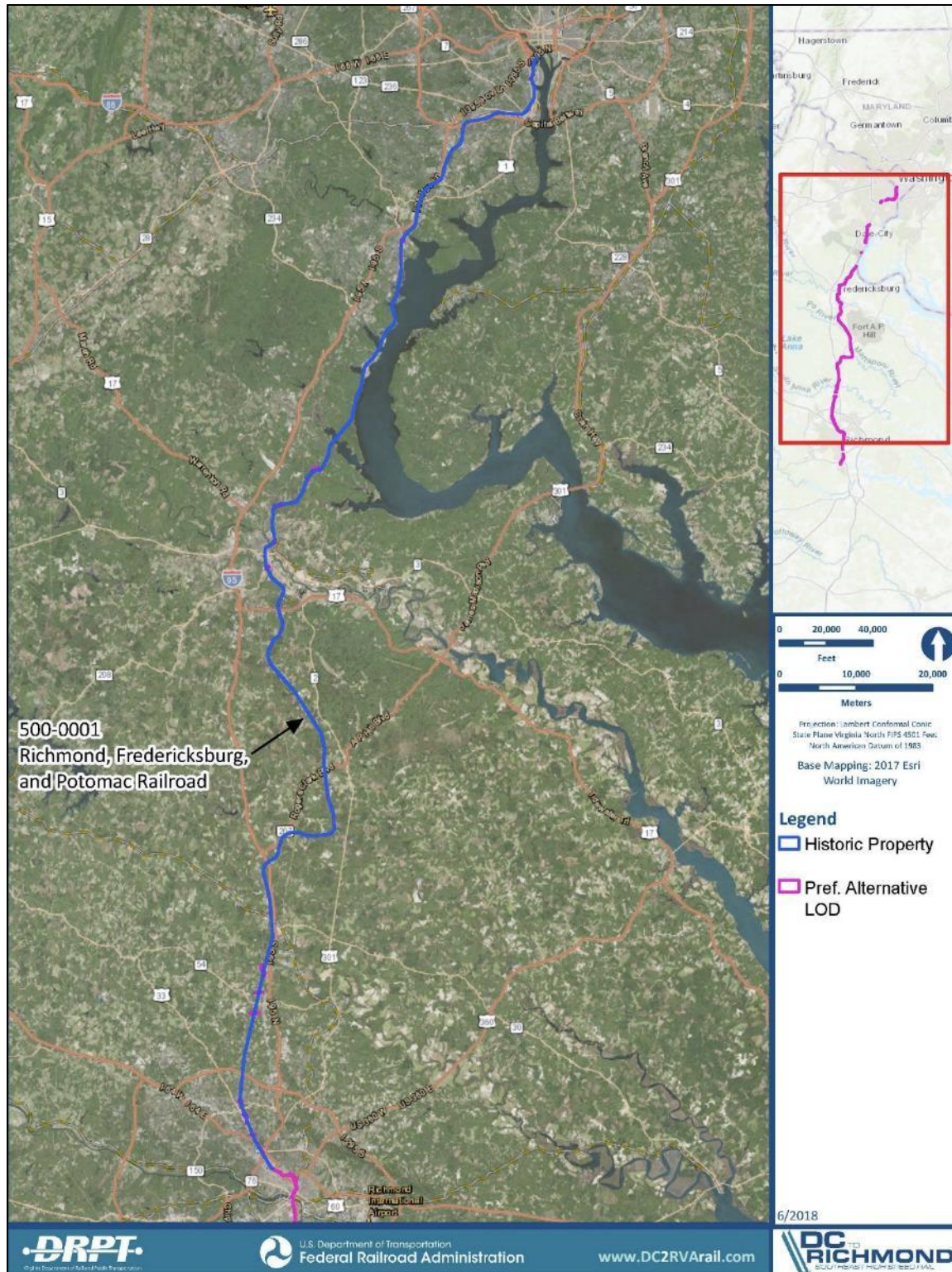
2016 *Archaeological and Architectural Phase IA Study for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Ashland Bypass (ASBP) Segment, Hanover County*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

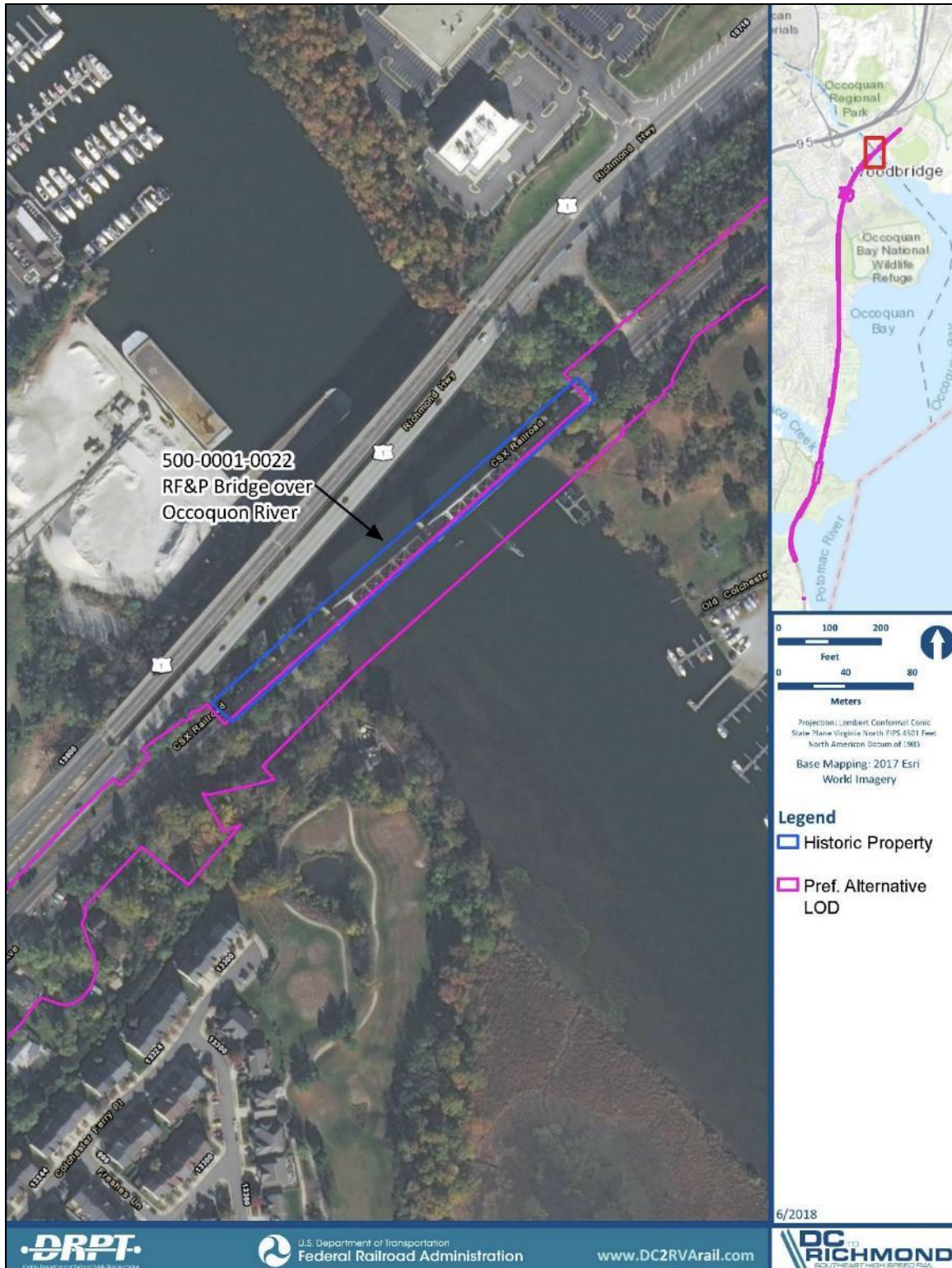
Staton, Heather Dollins, D. Brad Hatch, and Emily Calhoun

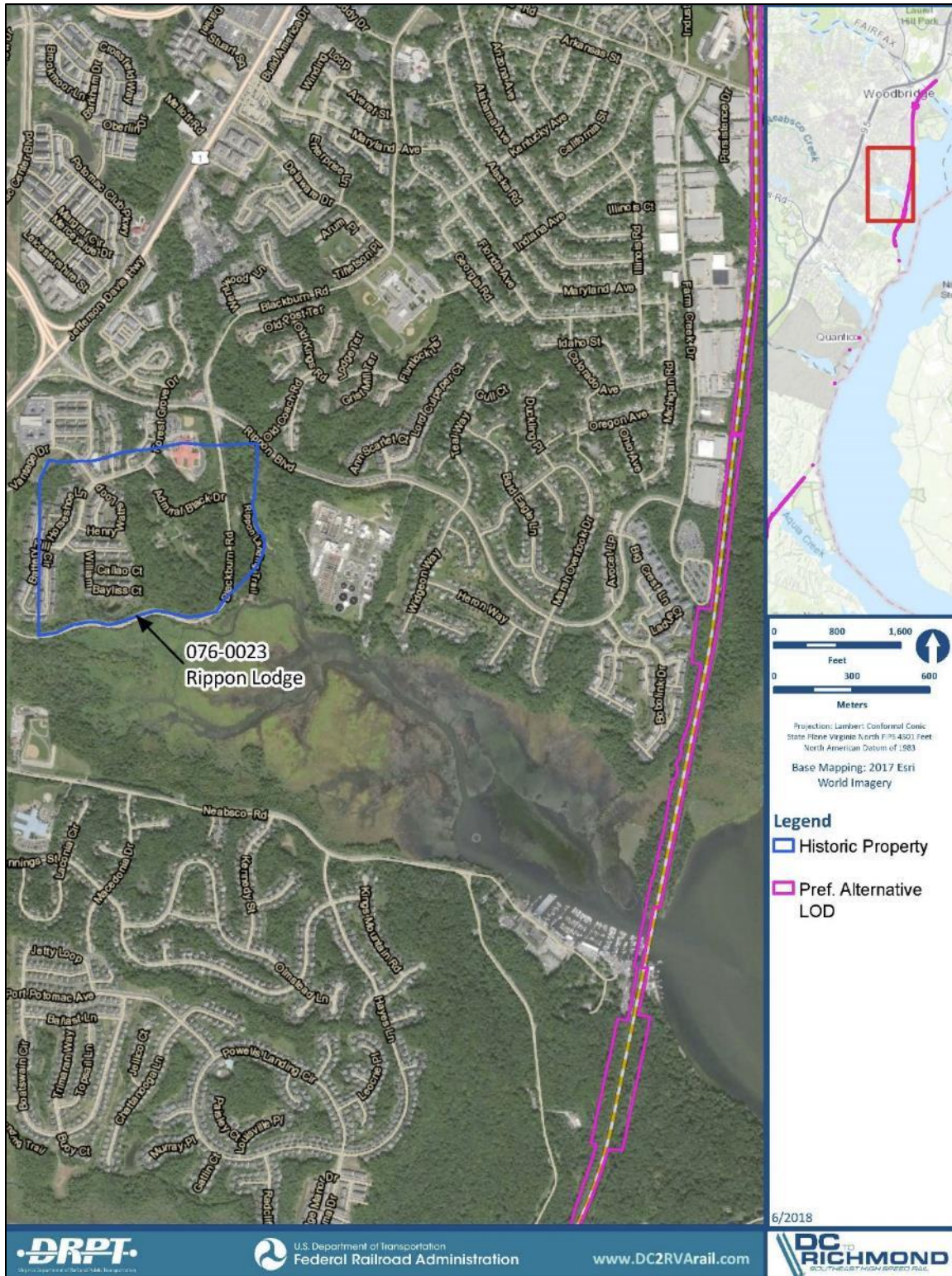
2017 *Archaeological and Architectural Phase IA Study for the Washington, D.C. to Richmond, Virginia High Speed Rail Project Fredericksburg Bypass (FBBP) Segment, Stafford, Caroline, and Spotsylvania Counties*. DC2RVA Project Team/Dovetail Cultural Resource Group, Fredericksburg, Virginia.

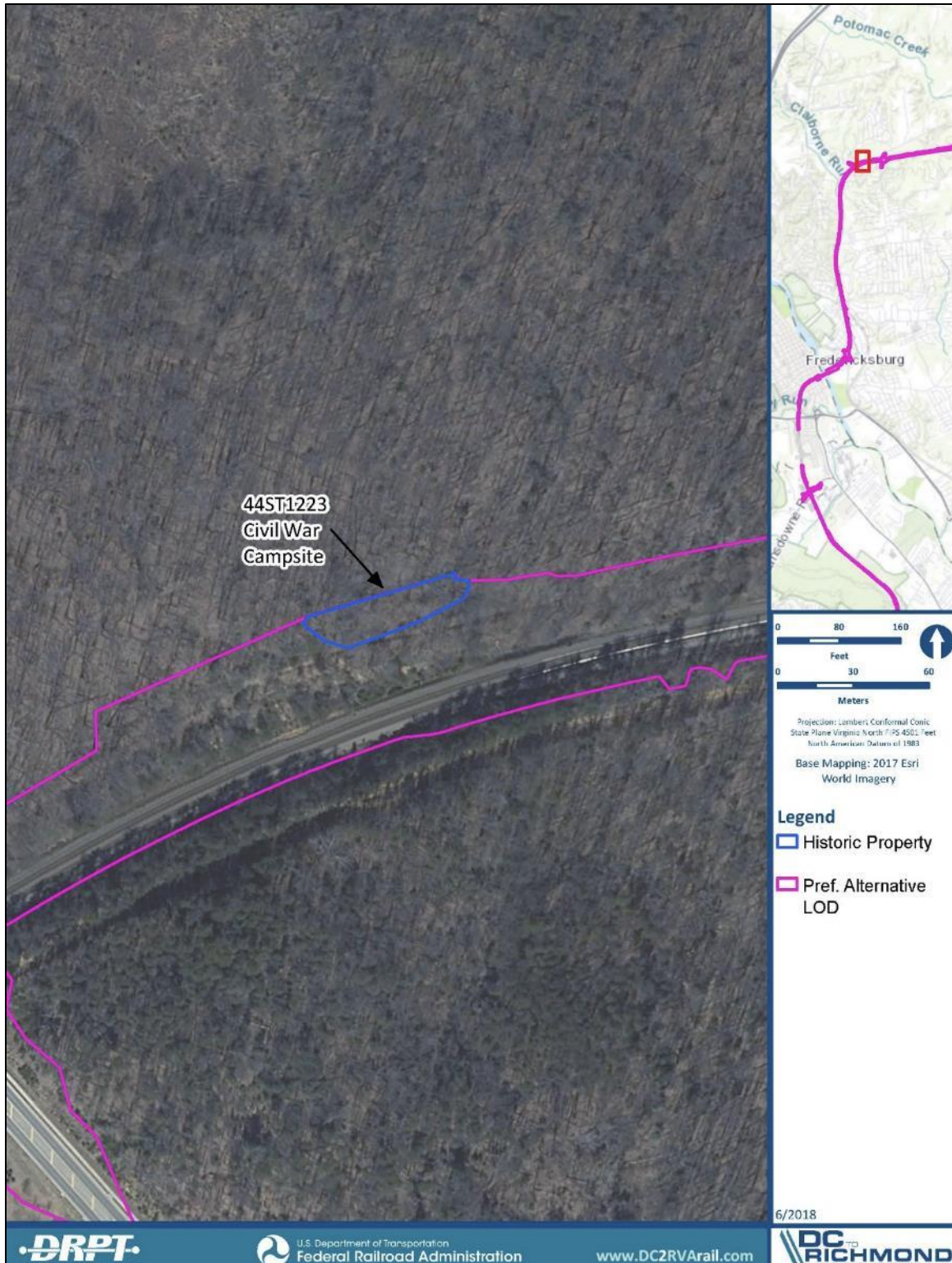
APPENDIX B: Location of 21 Adversely Effected Properties (North to South)

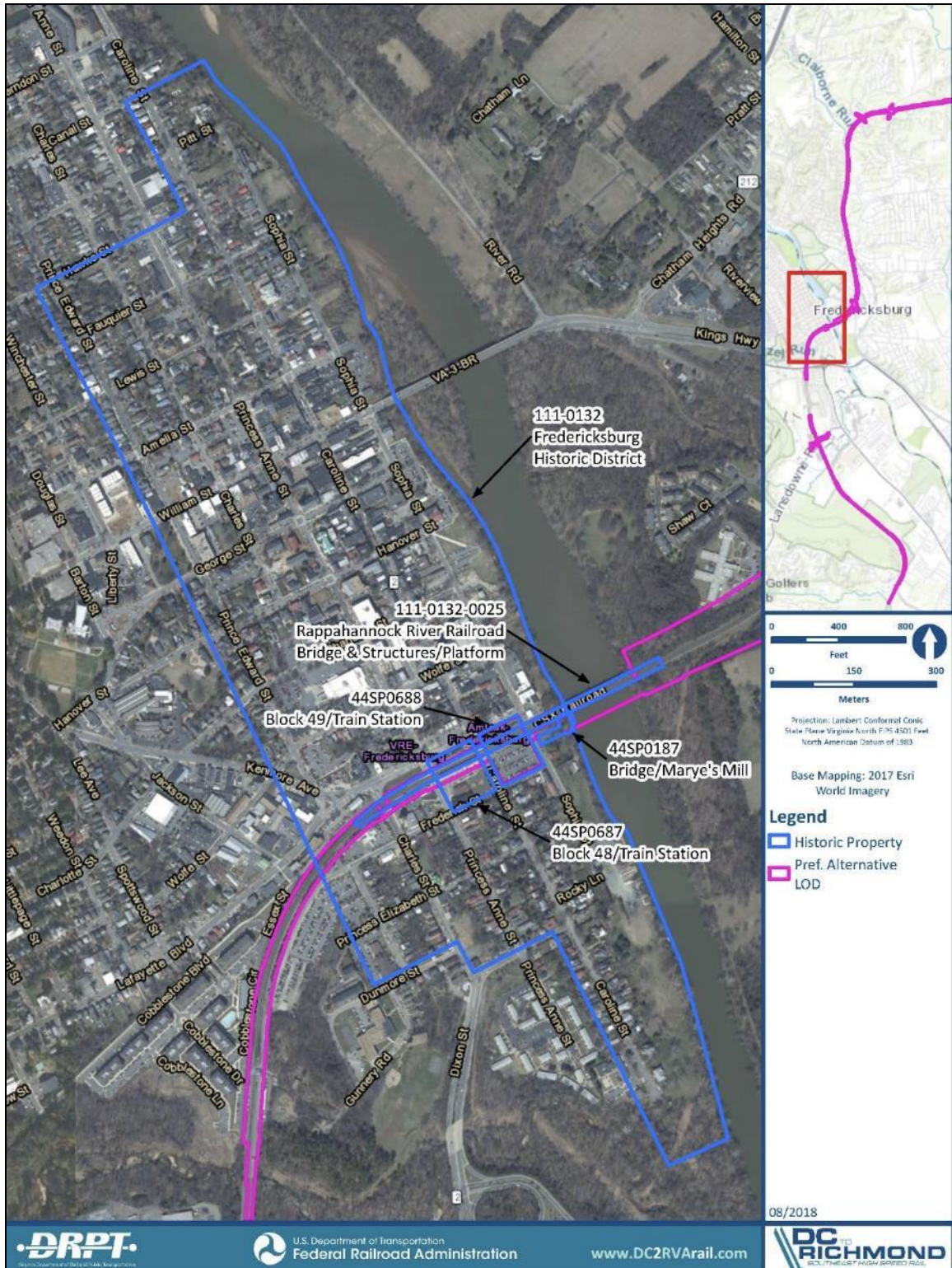
*Maps are not for public distribution per the
Archeological Resources Protection Act of 1979.*

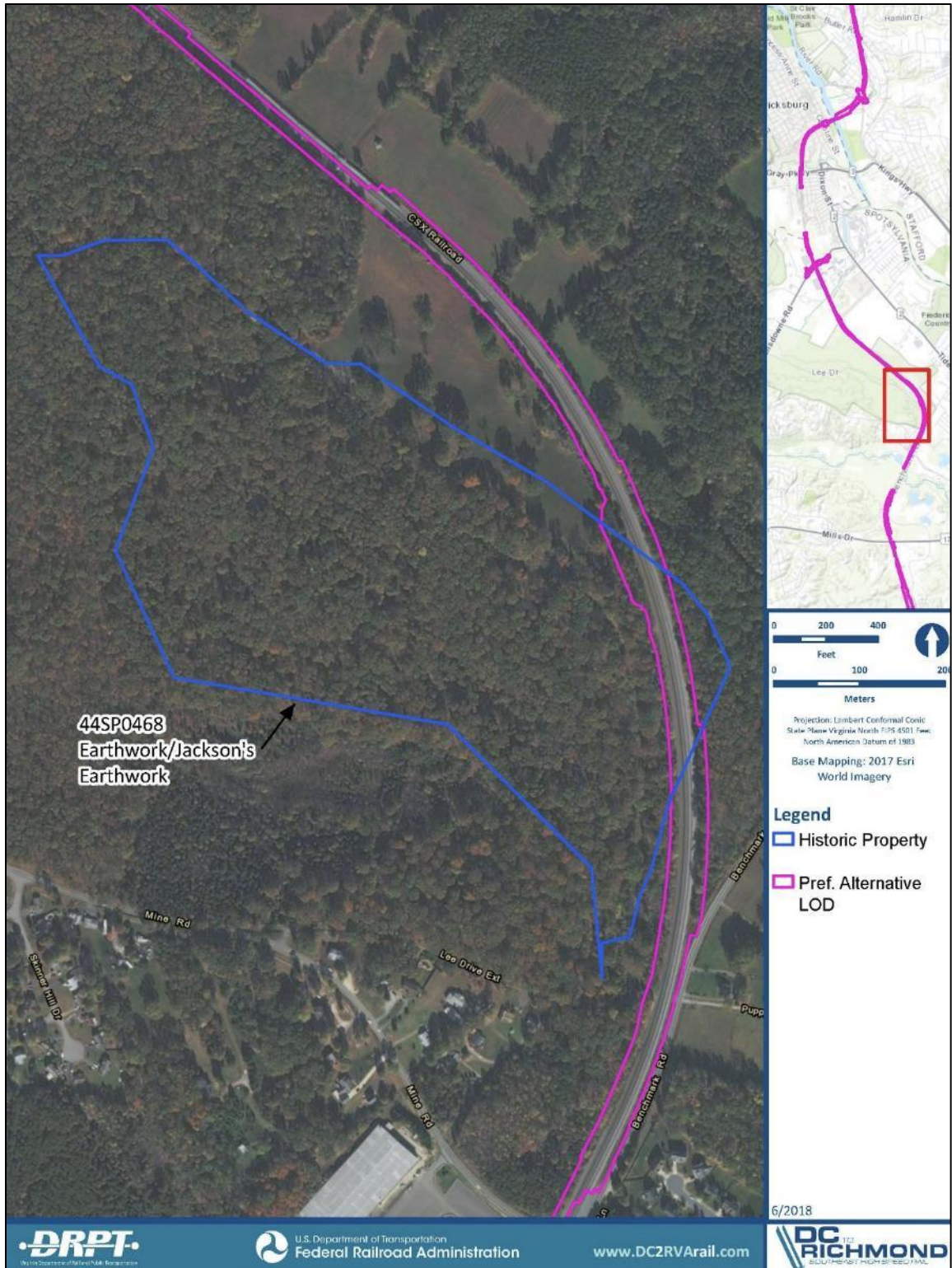


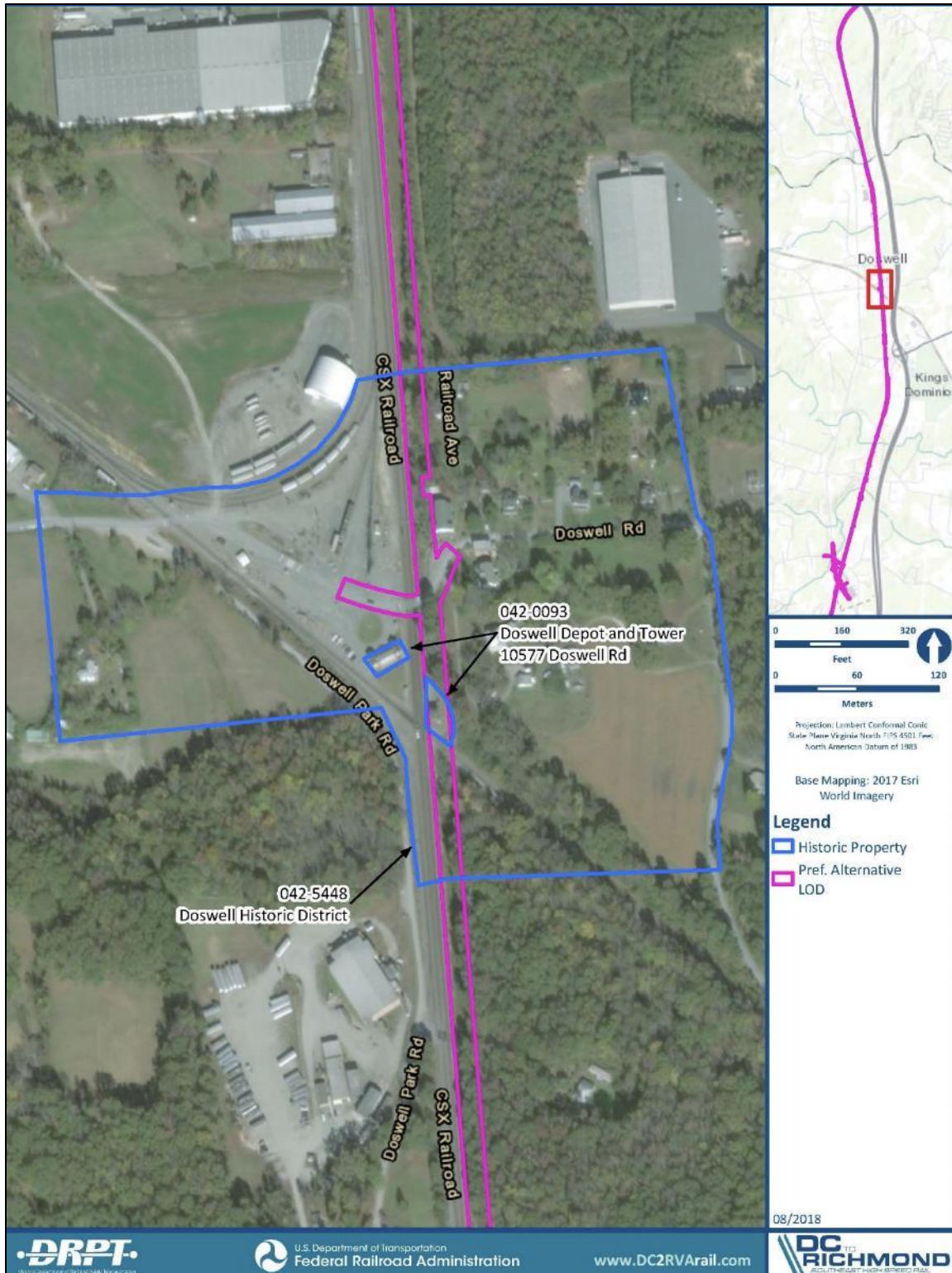


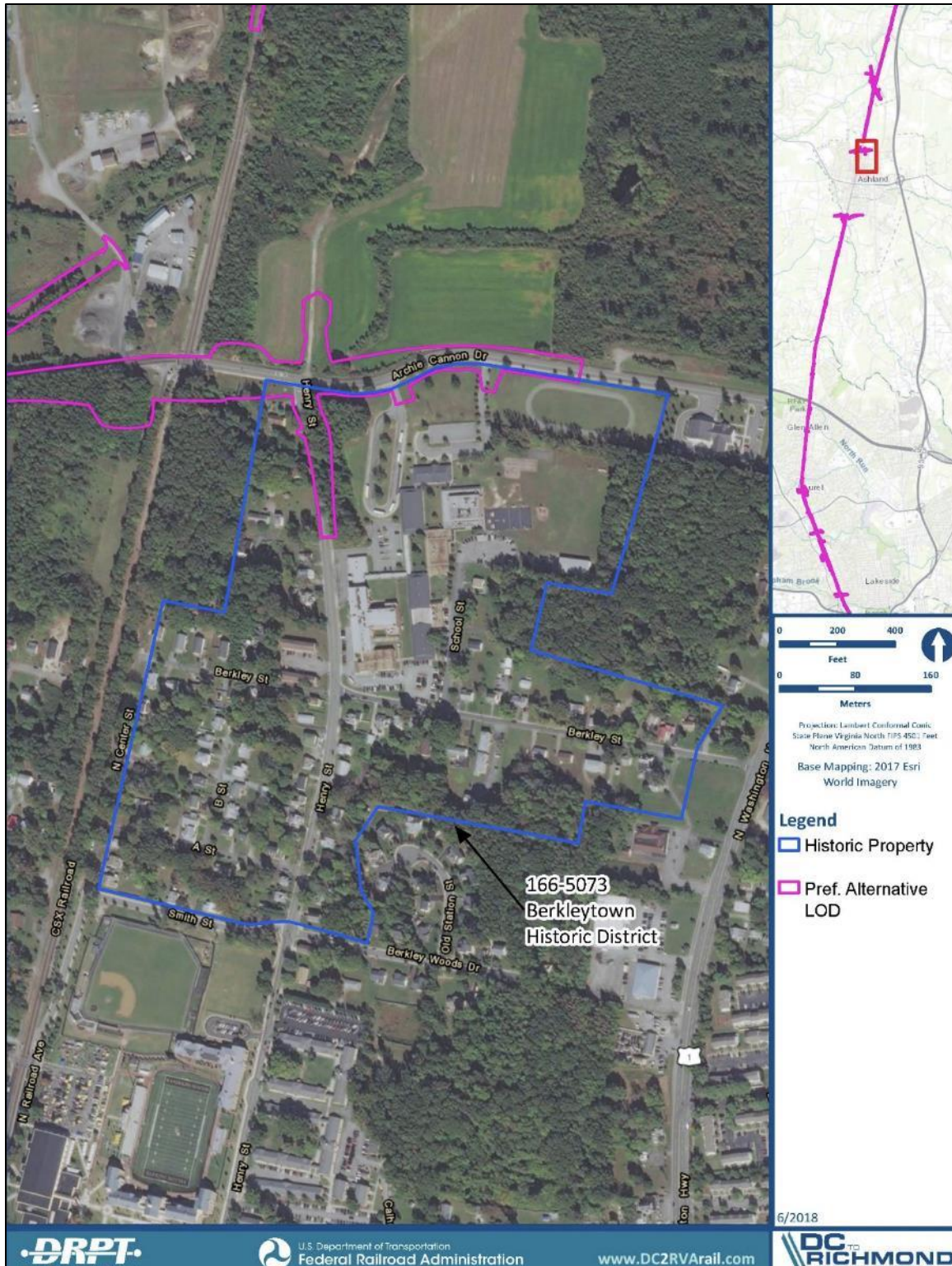


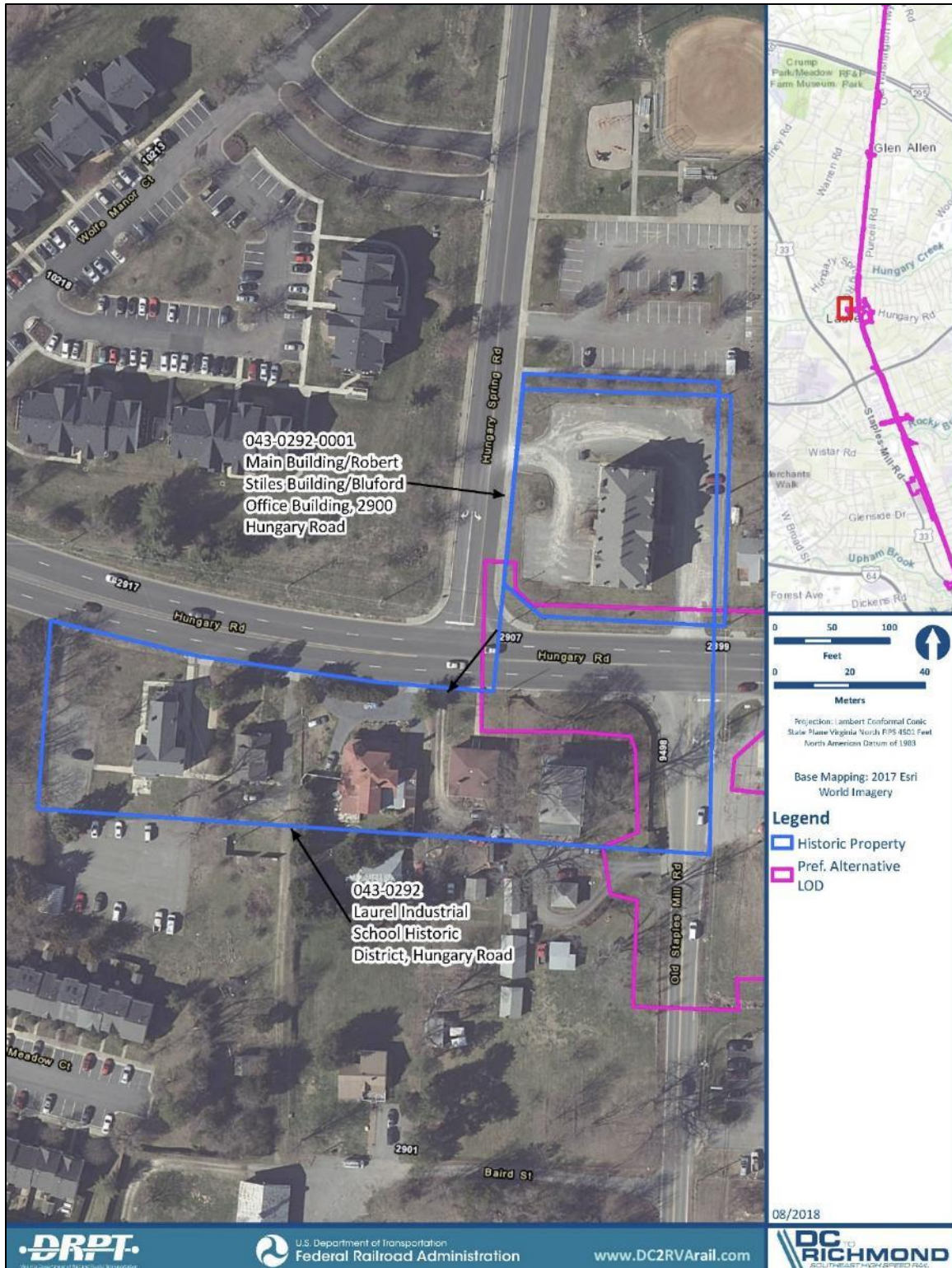


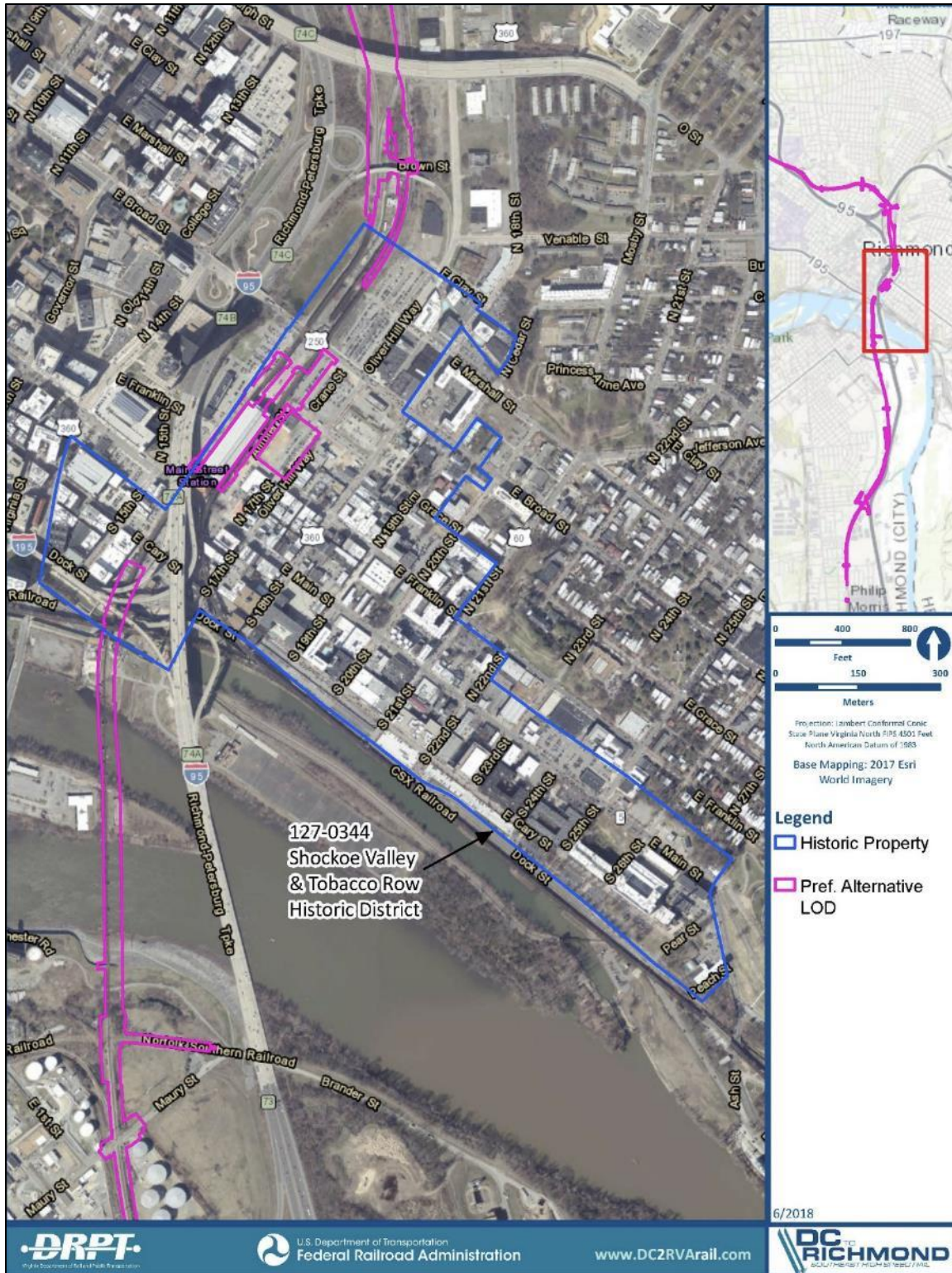


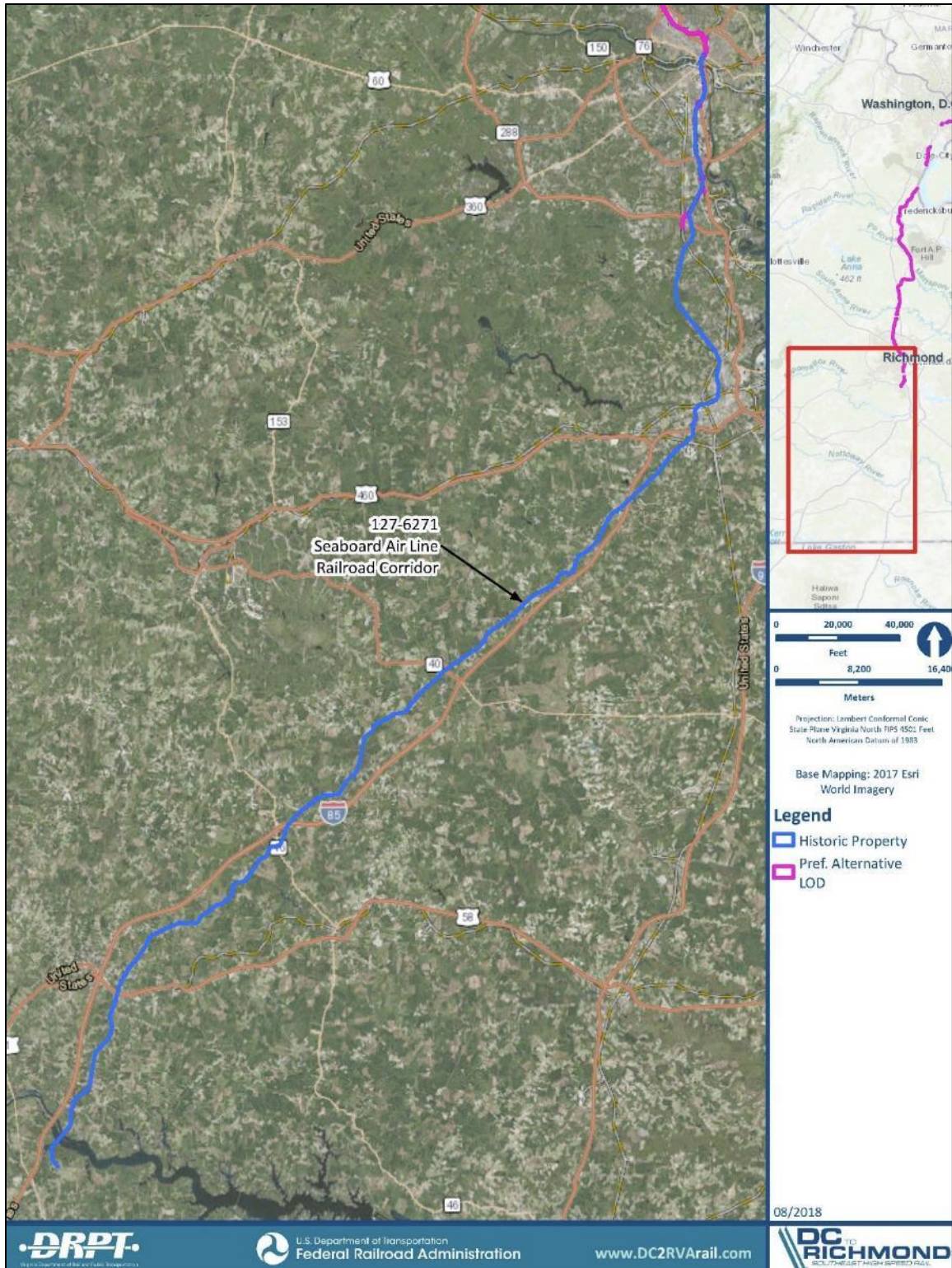












APPENDIX C: Meetings and Correspondence with Consulting Parties

Meetings

Date	Attendees	Topics
November 7, 2014	DHR, DRPT	Kick-off meeting; discussions on APE, methodology, reporting
March 19, 2015	VDOT, DRPT	Roadway bridges and Section 106 coordination
February 18, 2016	DHR, DRPT	Update on corridor and status of studies
June 14, 2016	CWT	General discussion on results to date; Richmond to Raleigh Memorandum of Agreement
August 10, 2016	DHR, DRPT	Preliminary dialogue on historic properties and Project effect
May 15, 2017	Ashland Museum, Town of Ashland	Overview of 106 process and technical studies to date
June 8, 2017	NPS- Fredericksburg, DRPT	Update on technical studies and Project plans
July 14, 2017	Town of Ashland; Ashland Museum	Update on technical studies and Project plans
July 26, 2017	DHR, DRPT	Update on technical studies and Project schedule
August 14, 2017	NPS—Richmond, DRPT	Update on technical studies and Project plans
October 11, 2017	Hanover County, Town of Ashland, Ashland Museum	Update on technical studies and Project plans
October 20, 2017	Alexandria Archaeology, City of Alexandria, Arlington County, NTHP, DRPT	Update on technical studies and Project plans
October 24, 2017	ACHP, ABPP, CWT, DRPT	Update on technical studies and Project plans
October 27, 2017	Prince William County, Caroline County, City of Fredericksburg, CVBT, HFFI, DRPT	Update on technical studies and Project plans
October 30, 2017	City of Richmond, Historic Richmond Foundation, DRPT	Update on technical studies and Project plans
February 8, 2018	Rose Center/Urban Land Institute, DRPT	Overview of Project and history of Shockoe Bottom
February 13, 2018	DHR, DRPT	Update on technical studies and Project schedule
April 4, 2018	DHR, DRPT	Discussion of Project limits of disturbance and APE
June 18, 2018	Town of Ashland, Ashland Museum	Historic property list and 106 process
June 19, 2018	DHR, DRPT	Historic properties and Project effect
June 21, 2018	CWT, Historic Richmond Foundation, Town of Ashland, Ashland Museum, Preservation Virginia, DRPT	Historic properties and Project effect
June 26, 2018	ABPP, City of Fredericksburg, NPS Fredericksburg, DRPT, FRA	Historic properties and Project effect
June 28, 2018	NTHP, Alexandria Archaeology, NPS—Mount Vernon Parkway, ACHP, DRPT	Historic properties and Project effect
July 2, 2018	DHR, FRA, DRPT	Revisit of historic properties and Project effect
July 16, 2018	Town of Ashland, Ashland Museum	Technical reports and Project effect

Date	Attendees	Topics
July 17, 2018	NPS- Fredericksburg	DC2RVA LOD and Jackson's Shrine
July 17, 2018	Preservation Virginia	DC2RVA Project summary and list of historic properties
July 19, 2018	City of Richmond, DRPT	Historic properties and Project effect
July 24, 2018	DHR	Resources in Shockoe Bottom
July 26, 2018	FRA, DHR, DRPT	Resources in Shockoe Bottom
July 27, 2018	ACHP	Resources in Shockoe Bottom
July 31, 2018	DHR, FRA, DRPT	Resources in Shockoe Bottom
August 3, 2018	DHR	Resources in Shockoe Bottom
August 6, 2018	DHR, DRPT, VA Secretary of Transportation, VA Secretary of Natural Resources	Discussion on historic resources in Shockoe Bottom
August 29, 2018	City of Richmond, DHR	Resources in Shockoe Bottom, City preservation initiatives near Main Street Station and future projects
September 5, 2018	VA Secretary of Transportation, DHR, DRPT, City of Richmond	Discussion of cultural resources in Shockoe Bottom
September 10, 2018	NTHP, Preservation Virginia, Sacred Ground Project, ACHP, DHR, DRPT	Discussion of upcoming meeting in Shockoe/Richmond, including meeting content and attendees
October 2, 2018	FRA, DHR, ACHP, DRPT	Summary of three October 2018 consulting party meetings, Resources in Shockoe Bottom, Next steps in 106 process
October 2, 2018	DRPT, City of Alexandria	List of historic properties, project effect
October 4, 2018	City of Fredericksburg, Prince William County, Ashland Museum, Alexandria Archaeology, DRPT, FRA	APE, list of historic properties, project effects, MOA mitigation
October 5, 2018	American Battlefield Trust (Civil War Trust), ABPP, Alexandria Archaeology, NPS- Mount Vernon Parkway, NPS- National Capital Region	APE, list of historic properties, project effects, MOA mitigation
October 12, 2018	NTHP, Shockoe Partnership, ACHP, Preservation Virginia, City of Richmond, Slave Trail Commission, Historic Richmond Foundation, Untold RVA, DHR, FRA, DRPT, private citizens	On-site visit at Main Street Station, APE, list of historic properties, project effects, MOA mitigation
October 15, 2018	Historic Richmond Foundation, DRPT	Resources in Shockoe Bottom, list of historic properties, project effect, MOA mitigation
October 23, 2018	ACHP, DHR, FRA, DRPT	Update on consulting party meetings, list of historic properties, project effect
October 24, 2018	Ashland Museum, Town of Ashland, DRPT	List of historic properties, project effect, MOA mitigation
November 1, 2018	Preservation Virginia, DRPT	Resources in Shockoe Bottom, list of historic properties, project effect, MOA mitigation
November 2, 2018	Elegba Folklore Society, DRPT	Summary of project, Resources in Shockoe Bottom, list of historic properties, project effect, MOA mitigation

Date	Attendees	Topics
November 28, 2018	NTHP, DRPT	Discussion on reply sent to NTHP on Historic Properties
December 3, 2018	NTHP, Preservation Virginia, Historic Richmond Foundation, Elegba Folklore Society, City of Richmond, DRPT, FRA, ACHP, DHR	Additional discussion on reply sent to NTHP, historic properties in Shockoe Bottom, and effect on historic properties

Correspondence Sent to Consulting Parties

Date	Medium	Recipient	Topic
September 25-October 15, 2014	E-mail; Letter	DHR, FRA, DRPT	Initiation of Section 106 Process
January 5-February 2, 2015	E-mail, Letter	DHR, FRA, DRPT	Defining Project APE
June 8, 2015	E-mail	VDOT	VDOT/DHR PA on Historic Bridges
June 22, 2015	Letter	Civil War Trust, DRPT	Receipt of comments on Project screening review
July 30, 2015	E-mail	All Consulting Parties, DRPT	Distribution of Archaeological Predictive Model report for review
July 17, 2015; August 28, 2015	Letter, E-mail	DHR	Submittal of Archaeological Predictive Model Report; DHR Reply
August 3-September 4, 2015	E-mail	Arlington County, City of Alexandria, Prince William County, City of Fredericksburg, DRPT	Receipt of comments on Archaeological IA Predictive model
August 28, 2015	E-mail	All Consulting Parties, DRPT	Reminder to submit comments on Predictive Model Report
October 20, 2015; December 18, 2015	Letters	NPS (FSNMP)	<i>Archaeological Resources Protection Act</i> (ARPA) permit to dig on federal land (Original Segment 7)
December 9, 2015; February 5, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segment 7); DHR Reply
December 15, 2015	Letter	DHR	Application to conduct archaeology on state lands (Original Segment 11)
March 18-31, 2016	E-mail; Memo	DHR	Discussion of alternative methodology for architecture in Original Segment 18
April 13-April 26, 2016	E-mail	David Hamilton (Consulting Party), DHR, DRPT, FRA	Mr. Hamilton is a private property owner along the Ashland Bypass. Numerous E-mails were exchanged with Mr. Hamilton regarding his concerns, his position as a consulting party, and distributing Project data
May 20, 2016; June 8, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segment 6); DHR reply
May 31, 2016; June 22, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segment 3); DHR reply
May 31, 2016; June 22, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segment 4); DHR reply
June 21, 2016; June 28, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segments 8-9); DHR reply
July 6, 2016; July 22, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segment 1); DHR reply

Date	Medium	Recipient	Topic
July 6, 2016; July 15, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segment 2); DHR reply
July 25, 2016; August 15, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segments 10-12); DHR reply
December 21, 2016; February 21, 2017	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segment 13); DHR reply
August 3, 2016; August 22, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segment 14); DHR reply
September 6, 2016; October 11, 2016	Letter, E-mail	DHR	Submittal of Archaeological Phase I Report (Original Segments 1-20); DHR reply
October 21, 2016; November 30, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segments 15, 16, 20); DHR reply
November 14, 2016; December 22, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segments 17, 19); DHR reply
October 21, 2016; November 3, 2016	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Original Segment 18); DHR reply
January 20, 2017; March 1, 2017	Letter, E-mail	DHR	Submittal of Architectural Phase I Report (Structures); DHR reply
January 6, 2017; February 3, 2017	Letter, E-mail	DHR	Submittal of Phase IA Ashland Bypass Report; DHR reply
January 20, 2017; February 3, 2017	Letter, E-mail	DHR	Submittal of Phase IA Fredericksburg Bypass Report; DHR reply
February 24, 2017; March 24, 2017	E-mail	All Consulting Parties	Distribution of Architectural Reports for review; Consulting Party comments
March 28, 2017	E-mail	All Consulting Parties	Update on technical study distribution
April 14, 2017; May 14, 2017	Letter; E-mail	All Consulting Parties	Distribution of All Phase IA and IB reports for review; Consulting Party comments
May 17, 2017	E-mail	All Consulting Parties	Reminder of comment deadline for reports
June 1, 2017	E-mail	All Consulting Parties	Extension of deadline for comments on reports
September 19, 2017	E-mail	All Consulting Parties	Summary of upcoming Draft EIS meetings and offer for on-on-one meetings
October 7, 2017	E-mail	All Consulting Parties	Reminder of Draft EIS meetings
November 2, 2017	E-mail	All Consulting Parties	Distribution of historic map overlays showing Shockoe Bottom
November 21, 2017	Letter; E-mail	Professor J.V. Moeser, Secretary of Transportation	Resources in Shockoe Bottom
February 7, 2018	E-mail	All Consulting Parties	Update on LOD and technical studies progress
February 13, 2018	Letter; Email	Tribes who received federal status in 2018	Invitation to participate in project; Updates on project to date and future steps (Tribes were included on all subsequent All Consulting Party communication)
May 8, 2018	E-mail	All Consulting Parties	Update on distribution of LOD and Phase II technical reports
May 14, 2018; June 12, 2018	E-mail	DHR	Submittal of Archaeological LOD Expansion Areas Report; DHR reply
May 17, 2018; July 20, 2018	E-mail	All Consulting Parties	Distribution of Archaeological LOD Expansion Areas Report for review; Consulting Party comments
May 4, 2018; June 11, 2018	E-mail	DHR	Submittal of Architectural LOD Expansion Areas Report for review; DHR reply
May 17, 2018; July 20, 2018	E-mail	All Consulting Parties	Distribution of Architectural LOD Expansion Areas Report for review; Consulting Party comments

Date	Medium	Recipient	Topic
March 22, 2018; April 25, 2018	E-mail	DHR	Submittal of Architectural Phase II Report A; DHR reply
April 19, 2018; May 1, 2018	E-mail	DHR	Submittal of Architectural Phase II Report B; DHR reply
May 10, 2018; June 12, 2018	E-mail	DHR	Submittal of Architectural Phase II Report C; DHR reply
May 17, 2018; July 20, 2018	E-mail	All Consulting Parties	Distribution of Architectural Phase II Reports (A-C) for review; Consulting Party comments
June 13, 2018	E-mail	All Consulting Parties	Reminder of upcoming series of Project meetings
June 20, 2018; June 28, 2018	Letter, E-mail	DHR	Submittal of Project effects letter; DHR reply
June 20, 2018	E-mail	All Consulting Parties	Update on Project effects and reminder of upcoming series of Project meetings
July 9, 2018; July 18, 2018	Letter; E-mail	DHR	Submittal of Addendum Project effects letter; DHR reply
July 9, 2018	E-mail	All Consulting Parties	Update on Addendum Project Effects
July 20, 2018	E-mail	All Consulting Parties	Reminder of deadline for report and effects comments
August 14, 2018	E-mail	FRA, DHR, DRPT	Framework of MOA for review
August 23, 2018	E-mail	All Consulting Parties	Update on project including receipt of comments on reports, APE, and list of historic properties
September 21, 2018	E-mail	All Consulting Parties	Invitation to three October Consulting Party Meetings
September 21, 2018	E-mail	Shockoe Bottom Neighborhood Assn; Historic Shockoe Partnership; Slave Trail Commission; Elegba Folklore Society; Black History Museum Virginia Untold VA; Virginia African American Cultural Resources Task Force; Southern Environmental Law Center; Sacred Ground Project; Community Unity in Action, Richmond Branch NAACP; Wesley Memorial United Methodist Church; VCU Department African American Studies; Richmond Crusade for Voters; First Unitarian Universalist Church; Sacred Ground Historical Reclamation Project; VCU, Building on Sacred Ground	Invitation to Shockoe Bottom/Richmond Consulting Party Meeting
October 11, 2018	E-mail	All Consulting Parties	Reminder of three October Consulting Party Meetings

Date	Medium	Recipient	Topic
October 11, 2018		Shockoe Bottom Neighborhood Assn; Historic Shockoe Partnership; Slave Trail Commission; Elegba Folklore Society; Black History Museum Virginia Untold VA; Virginia African American Cultural Resources Task Force; Southern Environmental Law Center; Sacred Ground Project; Community Unity in Action, Richmond Branch NAACP; Wesley Memorial United Methodist Church; VCU Department African American Studies; Richmond Crusade for Voters; First Unitarian Universalist Church; Sacred Ground Historical Reclamation Project; VCU, Building on Sacred Ground	Reminder of Shockoe Bottom/Richmond Consulting Party Meeting
November 13, 2018	Letter; E-mail	DRPT, Preservation Virginia, Historic Richmond Foundation, DHR, ACHP	Reply to NTHP, Preservation Virginia, and Historic Richmond Foundation on July 20, 2018 letters
November 27, 2018	E-mail	All Consulting Parties	Distribution of updated list of historic properties and revised effects; Solicitation of additional MOA mitigation ideas
November 19, 2018; January 4, 2019	Letter; E-mail	DHR	Submittal of Second Addendum Project effects letter; DHR reply
December 21, 2018	E-mail	FRA, DHR, ACHP,	Revised MOA for review
November 30, 2018; January 4, 2019	Letter; E-mail	DHR	Section 4(f) concurrence letter; DHR reply
January 4, 2019	E-mail	All Consulting Parties	Distribution of Draft MOA for review to Consulting Parties
February 11, 2019	E-mail	FRA, DHR, ACHP	Second revised MOA for review based on Consulting Party feedback
April 2019	E-mail	FRA, DHR, ACHP	Final MOA for ratification; Signatures received and MOA finalized

APPENDIX D: Map Showing Area of Vegetative Clearing/Underbrush Removal at Rippon Lodge

