

NASA Causeway Bridge Replacement Project
Environmental Assessment

Appendix H
Cultural Resources Coordination

2020 and 2021 Tribal Section 106 Consultation



SENT BY ELECTRONIC MAIL

In Reply Refer To: HFPP-15

Caitlin Rogers
Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, SC 29730

Subject: Environmental Assessment Scoping and Section 106 Initiation for the Wallops Island Causeway Bridge Replacement, Accomack County, VA

Dear Ms. Rogers:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), is initiating an Environmental Assessment (EA) that will evaluate potential impacts associated with replacement of the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. The EA is being prepared to satisfy both NASA's and FHWA's obligations under the National Environmental Policy Act of 1969 (NEPA) and will also serve as a means for ensuring compliance with a variety of other Federal statutes, including the National Historic Preservation Act (NHPA). The EA is being tiered from the July 2019 Wallops Site-wide Programmatic Environmental Impact Statement (Site-wide PEIS). The Site-wide PEIS, which is available at https://code200-external.gsfc.nasa.gov/250-wff/site-wide_eis, analyzed the potential environmental impacts associated with various institutional support activities including the causeway bridge replacement.

The existing bridge was constructed in 1959-1960 and is approaching the end of its anticipated service life. It is located on a two-mile long causeway road connecting the mainland with Wallops Island. A 1,000-foot section of the causeway road at each bridge approach would be realigned to allow construction of the new bridge parallel to the existing bridge. The existing bridge would remain in use during construction of the new bridge. A concept-level plan for the new bridge, temporary construction bridge, and causeway realignment has been prepared by FHWA (see Attachment A). The bridge was determined to be ineligible for listing in the National Register of Historic Places (NRHP).

WFF contains numerous archaeological sites; however, no prior archaeological surveys have been performed that overlap the project area. Three known archaeological sites on Wallops Island consist of a Revolutionary War-era earthwork, a Coast Guard trash scatter, and a historic shell midden. An archaeological site sensitivity assessment was completed and a sensitivity

model was created for the entire facility (*Cultural Resources Assessment of Wallops Flight Facility*). Portions of Wallops Island fit the modeled criteria for moderate to high sensitivity for both prehistoric and historic archaeological sites. The assessment concluded that tidal marsh areas, including hummocks, knolls, and potentially buried landforms, are high sensitivity for the presence of prehistoric archaeological sites and moderate to high sensitivity for Maritime historic archaeological sites.

A Section 106 Programmatic Agreement between NASA, DHR, and the Advisory Council on Historic Preservation (ACHP) regarding management of the facility was executed in 2014. The Catawba Indian Nation (CIN) participated as a consulting party. The agreement provides concurrence for the sensitivity model, listings of known sites, NRHP eligibility statuses, and other guidelines for management and consultation. The proposed bridge replacement is not excluded from DHR review per Stipulations II or III of the agreement; therefore, the project would proceed using the standard review process per Stipulation IV.

To formally initiate consultation for this undertaking, in compliance with NHPA Section 106 (54 U.S.C. § 306108 and its implementing regulations, 36 CFR § 800), NASA/FHWA is submitting a draft Area of Potential Effects (APE) for the project (Attachment B). The draft APE will provide a preliminary basis for assessing potential historic properties that could be affected by the proposed undertaking. In order to allow flexibility for design, accommodate access/staging, and to facilitate the avoidance/minimization of impacts, the APE is slightly larger than the footprint depicted in the concept-level plans. The APE includes all areas within 150 feet of the existing roadway centerline on the north side of the road, and within 100 feet of the existing roadway centerline on the south side of the road. The APE is 4,300 linear feet (Station 15+00 to Station 58 +00 in relation to the attached plans). This includes 1,500 feet on each side of the bridge, plus the 1,300-foot bridge itself. The total APE, including terrestrial uplands, tidal marsh, and estuarine deepwater, is approximately 24.7 acres.

An archaeological investigation within the APE, including terrestrial and underwater survey, will be conducted this year. As stipulated in the archaeological site sensitivity report, the survey will include a geomorphology assessment to determine whether deeply buried cultural strata could exist within the APE. The work will include an identification survey (Phase I Survey) within the APE. If any archaeological sites are identified, a Phase II evaluation survey will be conducted to determine whether the site is potentially eligible for listing in the NRHP. The survey will include the entire APE; however, disturbed, steeply sloped, causeway embankment, underground utility corridor(s) and paved areas will not be subjected to shovel testing. Portions of the tidal marsh that are not determined to possess archaeological potential during the geomorphology assessment will not require additional testing. The Phase 1 underwater survey will utilize remote sensing technologies including a magnetometer, side-scan sonar, and sub-bottom profiler. Underwater sites would be evaluated by a diving team. The survey report and associated recommendations will be submitted to your office for review.

We look forward to continuing the Section 106 consultation process and welcome any comments you may have. Additionally, we are requesting your input regarding Traditional Cultural Properties or other areas of significance within the APE. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov, or by phone, 540-622-3069. If you have any questions about the Environmental Assessment or the Section 106 process, feel free to contact us at your

convenience. Please acknowledge your receipt of this letter, along with any comments to be included with the EA scoping period, within thirty days.

Sincerely yours,

KEVIN S ROSE Digitally signed by KEVIN S ROSE
Date: 2020.08.21 15:30:46 -04'00'

Kevin S. Rose
Environmental Compliance Specialist

Enclosures

CC:

Ms. Shari Miller, Environmental Planning Lead, NASA, Wallops Island, VA

Mr. Randall Stanley, Historic Preservation Officer, NASA, Wallops Island, VA



SENT BY ELECTRONIC MAIL

In Reply Refer To: HFPP-15

Stephen Adkins, Chief
Chickahominy Indian Tribe
8200 Lott Cary Road
Providence Forge, VA 23140

Subject: Environmental Assessment Scoping and Section 106 Initiation for the Wallops
Island Causeway Bridge Replacement, Accomack County, VA

Dear Mr. Adkins:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), is initiating an Environmental Assessment (EA) that will evaluate potential impacts associated with replacement of the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. The EA is being prepared to satisfy both NASA's and FHWA's obligations under the National Environmental Policy Act of 1969 (NEPA) and will also serve as a means for ensuring compliance with a variety of other Federal statutes, including the National Historic Preservation Act (NHPA). The EA is being tiered from the July 2019 Wallops Site-wide Programmatic Environmental Impact Statement (Site-wide PEIS). The Site-wide PEIS, which is available at https://code200-external.gsfc.nasa.gov/250-wff/site-wide_eis, analyzed the potential environmental impacts associated with various institutional support activities including the causeway bridge replacement.

The existing bridge was constructed in 1959-1960 and is approaching the end of its anticipated service life. It is located on a two-mile long causeway road connecting the mainland with Wallops Island. A 1,000-foot section of the causeway road at each bridge approach would be realigned to allow construction of the new bridge parallel to the existing bridge. The existing bridge would remain in use during construction of the new bridge. A concept-level plan for the new bridge, temporary construction bridge, and causeway realignment has been prepared by FHWA (see Attachment A). The bridge was determined to be ineligible for listing in the National Register of Historic Places (NRHP).

WFF contains numerous archaeological sites; however, no prior archaeological surveys have been performed that overlap the project area. Three known archaeological sites on Wallops Island consist of a Revolutionary War-era earthwork, a Coast Guard trash scatter, and a historic shell midden. An archaeological site sensitivity assessment was completed and a sensitivity model was created for the entire facility (*Cultural Resources Assessment of Wallops Flight Facility*). Portions of Wallops Island fit the modeled criteria for moderate to high sensitivity for

both prehistoric and historic archaeological sites. The assessment concluded that tidal marsh areas, including hummocks, knolls, and potentially buried landforms, are high sensitivity for the presence of prehistoric archaeological sites and moderate to high sensitivity for Maritime historic archaeological sites.

To formally initiate consultation for this undertaking, in compliance with NHPA Section 106 (54 U.S.C. § 306108 and its implementing regulations, 36 CFR § 800), NASA/FHWA is submitting a draft Area of Potential Effects (APE) for the project (Attachment B). The draft APE will provide a preliminary basis for assessing potential historic properties that could be affected by the proposed undertaking. In order to allow flexibility for design, accommodate access/staging, and to facilitate the avoidance/minimization of impacts, the APE is slightly larger than the footprint depicted in the concept-level plans. The APE includes all areas within 150 feet of the existing roadway centerline on the north side of the road, and within 100 feet of the existing roadway centerline on the south side of the road. The APE is 4,300 linear feet (Station 15+00 to Station 58 +00 in relation to the attached plans). This includes 1,500 feet on each side of the bridge, plus the 1,300-foot bridge itself. The total APE, including terrestrial uplands, tidal marsh, and estuarine deepwater, is approximately 24.7 acres.

An archaeological investigation within the APE, including terrestrial and underwater survey, will be conducted this year. As stipulated in the archaeological site sensitivity report, the survey will include a geomorphology assessment to determine whether deeply buried cultural strata could exist within the APE. The work will include an identification survey (Phase I Survey) within the APE. If any archaeological sites are identified, a Phase II evaluation survey will be conducted to determine whether the site is potentially eligible for listing in the NRHP. The survey will include the entire APE; however, disturbed, steeply sloped, causeway embankment, underground utility corridor(s) and paved areas will not be subjected to shovel testing. Portions of the tidal marsh that are not determined to possess archaeological potential during the geomorphology assessment will not require additional testing. The Phase 1 underwater survey will utilize remote sensing technologies including a magnetometer, side-scan sonar, and sub-bottom profiler. Underwater sites would be evaluated by a diving team. The survey report and associated recommendations will be submitted to your office for review.

We look forward to continuing the Section 106 consultation process and welcome any comments you may have. Additionally, we are requesting your input regarding Traditional Cultural Properties or other areas of significance within the APE. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov, or by phone, 540-622-3069. If you have any questions about the Environmental Assessment or the Section 106 process, feel free to contact us at your convenience. Please acknowledge your receipt of this letter, along with any comments to be included with the EA scoping period, within thirty days.

Sincerely yours,

KEVIN S ROSE  Digitally signed by KEVIN S ROSE
Date: 2020.08.21 15:29:56 -04'00'

Kevin S. Rose
Environmental Compliance Specialist

Enclosures

CC:

Ms. Shari Miller, Environmental Planning Lead, NASA, Wallops Island, VA

Mr. Randall Stanley, Historic Preservation Officer, NASA, Wallops Island, VA



SENT BY ELECTRONIC MAIL

In Reply Refer To: HFPP-15

Lee Lockamy, Chief
Nansemond Indian Nation
1001 Pembroke Lane
Suffolk, VA 23434

Subject: Environmental Assessment Scoping and Section 106 Initiation for the Wallops
Island Causeway Bridge Replacement, Accomack County, VA

Dear Mr. Lockamy:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), is initiating an Environmental Assessment (EA) that will evaluate potential impacts associated with replacement of the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. The EA is being prepared to satisfy both NASA's and FHWA's obligations under the National Environmental Policy Act of 1969 (NEPA) and will also serve as a means for ensuring compliance with a variety of other Federal statutes, including the National Historic Preservation Act (NHPA). The EA is being tiered from the July 2019 Wallops Site-wide Programmatic Environmental Impact Statement (Site-wide PEIS). The Site-wide PEIS, which is available at https://code200-external.gsfc.nasa.gov/250-wff/site-wide_eis, analyzed the potential environmental impacts associated with various institutional support activities including the causeway bridge replacement.

The existing bridge was constructed in 1959-1960 and is approaching the end of its anticipated service life. It is located on a two-mile long causeway road connecting the mainland with Wallops Island. A 1,000-foot section of the causeway road at each bridge approach would be realigned to allow construction of the new bridge parallel to the existing bridge. The existing bridge would remain in use during construction of the new bridge. A concept-level plan for the new bridge, temporary construction bridge, and causeway realignment has been prepared by FHWA (see Attachment A). The bridge was determined to be ineligible for listing in the National Register of Historic Places (NRHP).

WFF contains numerous archaeological sites; however, no prior archaeological surveys have been performed that overlap the project area. Three known archaeological sites on Wallops Island consist of a Revolutionary War-era earthwork, a Coast Guard trash scatter, and a historic shell midden. An archaeological site sensitivity assessment was completed and a sensitivity model was created for the entire facility (*Cultural Resources Assessment of Wallops Flight Facility*). Portions of Wallops Island fit the modeled criteria for moderate to high sensitivity for

both prehistoric and historic archaeological sites. The assessment concluded that tidal marsh areas, including hummocks, knolls, and potentially buried landforms, are high sensitivity for the presence of prehistoric archaeological sites and moderate to high sensitivity for Maritime historic archaeological sites.

To formally initiate consultation for this undertaking, in compliance with NHPA Section 106 (54 U.S.C. § 306108 and its implementing regulations, 36 CFR § 800), NASA/FHWA is submitting a draft Area of Potential Effects (APE) for the project (Attachment B). The draft APE will provide a preliminary basis for assessing potential historic properties that could be affected by the proposed undertaking. In order to allow flexibility for design, accommodate access/staging, and to facilitate the avoidance/minimization of impacts, the APE is slightly larger than the footprint depicted in the concept-level plans. The APE includes all areas within 150 feet of the existing roadway centerline on the north side of the road, and within 100 feet of the existing roadway centerline on the south side of the road. The APE is 4,300 linear feet (Station 15+00 to Station 58 +00 in relation to the attached plans). This includes 1,500 feet on each side of the bridge, plus the 1,300-foot bridge itself. The total APE, including terrestrial uplands, tidal marsh, and estuarine deepwater, is approximately 24.7 acres.

An archaeological investigation within the APE, including terrestrial and underwater survey, will be conducted this year. As stipulated in the archaeological site sensitivity report, the survey will include a geomorphology assessment to determine whether deeply buried cultural strata could exist within the APE. The work will include an identification survey (Phase I Survey) within the APE. If any archaeological sites are identified, a Phase II evaluation survey will be conducted to determine whether the site is potentially eligible for listing in the NRHP. The survey will include the entire APE; however, disturbed, steeply sloped, causeway embankment, underground utility corridor(s) and paved areas will not be subjected to shovel testing. Portions of the tidal marsh that are not determined to possess archaeological potential during the geomorphology assessment will not require additional testing. The Phase 1 underwater survey will utilize remote sensing technologies including a magnetometer, side-scan sonar, and sub-bottom profiler. Underwater sites would be evaluated by a diving team. The survey report and associated recommendations will be submitted to your office for review.

We look forward to continuing the Section 106 consultation process and welcome any comments you may have. Additionally, we are requesting your input regarding Traditional Cultural Properties or other areas of significance within the APE. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov, or by phone, 540-622-3069. If you have any questions about the Environmental Assessment or the Section 106 process, feel free to contact us at your convenience. Please acknowledge your receipt of this letter, along with any comments to be included with the EA scoping period, within thirty days.

Sincerely yours,

KEVIN S ROSE
Digitally signed by KEVIN S
ROSE
Date: 2020.08.21 15:31:48
-04'00'

Kevin S. Rose
Environmental Compliance Specialist

Enclosures

CC:

Ms. Shari Miller, Environmental Planning Lead, NASA, Wallops Island, VA

Mr. Randall Stanley, Historic Preservation Officer, NASA, Wallops Island, VA



SENT BY ELECTRONIC MAIL

In Reply Refer To: HFPP-15

Dr. Robert Gray, Chief
Pamunkey Indian Tribe
1054 Pocahontas Trail
King William, VA 23086

Subject: Environmental Assessment Scoping and Section 106 Initiation for the Wallops
Island Causeway Bridge Replacement, Accomack County, VA

Dear Dr. Gray:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), is initiating an Environmental Assessment (EA) that will evaluate potential impacts associated with replacement of the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. The EA is being prepared to satisfy both NASA's and FHWA's obligations under the National Environmental Policy Act of 1969 (NEPA) and will also serve as a means for ensuring compliance with a variety of other Federal statutes, including the National Historic Preservation Act (NHPA). The EA is being tiered from the July 2019 Wallops Site-wide Programmatic Environmental Impact Statement (Site-wide PEIS). The Site-wide PEIS, which is available at https://code200-external.gsfc.nasa.gov/250-wff/site-wide_eis, analyzed the potential environmental impacts associated with various institutional support activities including the causeway bridge replacement.

The existing bridge was constructed in 1959-1960 and is approaching the end of its anticipated service life. It is located on a two-mile long causeway road connecting the mainland with Wallops Island. A 1,000-foot section of the causeway road at each bridge approach would be realigned to allow construction of the new bridge parallel to the existing bridge. The existing bridge would remain in use during construction of the new bridge. A concept-level plan for the new bridge, temporary construction bridge, and causeway realignment has been prepared by FHWA (see Attachment A). The bridge was determined to be ineligible for listing in the National Register of Historic Places (NRHP).

WFF contains numerous archaeological sites; however, no prior archaeological surveys have been performed that overlap the project area. Three known archaeological sites on Wallops Island consist of a Revolutionary War-era earthwork, a Coast Guard trash scatter, and a historic shell midden. An archaeological site sensitivity assessment was completed and a sensitivity model was created for the entire facility (*Cultural Resources Assessment of Wallops Flight Facility*). Portions of Wallops Island fit the modeled criteria for moderate to high sensitivity for

both prehistoric and historic archaeological sites. The assessment concluded that tidal marsh areas, including hummocks, knolls, and potentially buried landforms, are high sensitivity for the presence of prehistoric archaeological sites and moderate to high sensitivity for Maritime historic archaeological sites.

To formally initiate consultation for this undertaking, in compliance with NHPA Section 106 (54 U.S.C. § 306108 and its implementing regulations, 36 CFR § 800), NASA/FHWA is submitting a draft Area of Potential Effects (APE) for the project (Attachment B). The draft APE will provide a preliminary basis for assessing potential historic properties that could be affected by the proposed undertaking. In order to allow flexibility for design, accommodate access/staging, and to facilitate the avoidance/minimization of impacts, the APE is slightly larger than the footprint depicted in the concept-level plans. The APE includes all areas within 150 feet of the existing roadway centerline on the north side of the road, and within 100 feet of the existing roadway centerline on the south side of the road. The APE is 4,300 linear feet (Station 15+00 to Station 58 +00 in relation to the attached plans). This includes 1,500 feet on each side of the bridge, plus the 1,300-foot bridge itself. The total APE, including terrestrial uplands, tidal marsh, and estuarine deepwater, is approximately 24.7 acres.

An archaeological investigation within the APE, including terrestrial and underwater survey, will be conducted this year. As stipulated in the archaeological site sensitivity report, the survey will include a geomorphology assessment to determine whether deeply buried cultural strata could exist within the APE. The work will include an identification survey (Phase I Survey) within the APE. If any archaeological sites are identified, a Phase II evaluation survey will be conducted to determine whether the site is potentially eligible for listing in the NRHP. The survey will include the entire APE; however, disturbed, steeply sloped, causeway embankment, underground utility corridor(s) and paved areas will not be subjected to shovel testing. Portions of the tidal marsh that are not determined to possess archaeological potential during the geomorphology assessment will not require additional testing. The Phase 1 underwater survey will utilize remote sensing technologies including a magnetometer, side-scan sonar, and sub-bottom profiler. Underwater sites would be evaluated by a diving team. The survey report and associated recommendations will be submitted to your office for review.

We look forward to continuing the Section 106 consultation process and welcome any comments you may have. Additionally, we are requesting your input regarding Traditional Cultural Properties or other areas of significance within the APE. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov, or by phone, 540-622-3069. If you have any questions about the Environmental Assessment or the Section 106 process, feel free to contact us at your convenience. Please acknowledge your receipt of this letter, along with any comments to be included with the EA scoping period, within thirty days.

Sincerely yours,

KEVIN S ROSE Digitally signed by KEVIN S ROSE
Date: 2020.08.21 15:27:57 -04'00'

Kevin S. Rose
Environmental Compliance Specialist



PAMUNKEY INDIAN TRIBE

Terry Clouthier
Cultural Resource
Director

TRIBAL GOVERNMENT
Tribal Office

1054 Pocahontas Trail
King William, VA 23086

(804) 843-2109
FAX (866) 422-3387

THPO File Number: 2020-757

Date: 09/23/2020

Ryan Kimberley
Environmental Protection Specialist
Federal Highway Administration
Eastern Federal Lands Highway Division
21400 Ridgetop Circle
Sterling, VA 20166

RE: Wallops Island Causeway Bridge Replacement, Accomack County, VA, EA Scoping Notification and Section 106 Initiation

Dear Mr. Kimberley,

Thank you for contacting the Pamunkey Indian Tribe regarding the proposed undertaking to replace the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. My office offers the following comments regarding the proposed undertaking.

My office would like to be a consulting party for this proposed undertaking.

My office concurs with the plans for archaeological survey as outlined in your letter to the Tribe.

We look forward to reviewing the results of the survey and the draft environmental assessment once they are completed and submitted for review.

Please provide all correspondence electronically to the email below.

Thank you for considering our cultural heritage in your decision-making process.

If you have any questions feel free to email me at terry.clouthier@pamunkey.org.

Sincerely,

Terry Clouthier  Digitally signed by Terry Clouthier
Date: 2020.09.23 12:03:49 -04'00'

Enclosures

CC:

Ms. Shari Miller, Environmental Planning Lead, NASA, Wallops Island, VA

Mr. Randall Stanley, Historic Preservation Officer, NASA, Wallops Island, VA



U.S. Department
of Transportation
**Federal Highway
Administration**

Eastern Federal Lands
Highway Division

21400 Ridgetop Circle
Sterling, VA 20166-6511

SENT BY ELECTRONIC MAIL

Terry Clouthier
Pamunkey Indian Tribe
1054 Pocahontas Trail
King William, VA 23086

Subject: Wallops Island Causeway Bridge Replacement, Accomack County, VA
Section 106 Determination- No Historic Properties Affected
THPO File Number 2020-757

Dear Mr. Clouthier:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), proposes to replace the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. On August 24, 2020, FHWA and NASA submitted electronic correspondence to the Pamunkey Indian Tribe formally initiating consultation in accordance with Section 106 of the National Historic Preservation Act. The correspondence included draft engineering plans, the Area of Potential Effect (APE), and an archaeological survey proposal. The letter contained a request for input regarding Traditional Cultural Properties or other areas of significance within the APE.

On September 23, 2020, FHWA received a response from your office indicating that you would like to participate as a consulting party for the proposed undertaking. Your letter concurred with the FHWA archaeological survey strategy and confirmed an interest in reviewing the survey results and environmental assessment. In late 2020, Cultural Resource Analysts, Inc. (CRA) conducted a Phase I Archaeological Survey for the project area including geoarchaeological, terrestrial, and underwater surveys. The archaeological fieldwork did not result in the identification of any sites, and no additional fieldwork was recommended. A copy of the draft archaeological report was submitted on January 11, 2021. No comments were received in response to the correspondence.

FHWA and NASA also provided the project information and archaeological report to the Virginia Department of Historic Resources (DHR) and six other Tribal Historic Preservation Officers (THPO) in January 2021. DHR responded on February 9, 2021, stating that "...no further archaeological work is necessary for the proposed project. No historic properties will be affected by the project" (DHR File 2020-4275). No substantive changes were made to the draft archaeological report based on comments received from DHR or any THPOs. A copy of the final report is available upon request.

Based on the results of identification and evaluation of the project area, FHWA and NASA have determined that no historic properties would be affected by the undertaking, as defined in 36 CFR Part 800.4(d)(1). We respectfully request your concurrence or comments related to this determination within 30 days. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov.

Sincerely yours,

KEVIN S ROSE Digitally signed by KEVIN S ROSE
Date: 2023.01.30 17:42:38 -05'00'

Kevin S. Rose
Environmental Compliance Specialist



SENT BY ELECTRONIC MAIL

In Reply Refer To: HFPP-15

Norris Howard, Sr.
Paramount Chief
Pocomoke Indian Nation
3355 Allen Road
Eden, MD 21822

Subject: Environmental Assessment Scoping and Section 106 Initiation for the Wallops Island Causeway Bridge Replacement, Accomack County, VA

Dear Mr. Howard:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), is initiating an Environmental Assessment (EA) that will evaluate potential impacts associated with replacement of the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. The EA is being prepared to satisfy both NASA's and FHWA's obligations under the National Environmental Policy Act of 1969 (NEPA) and will also serve as a means for ensuring compliance with a variety of other Federal statutes, including the National Historic Preservation Act (NHPA). The EA is being tiered from the July 2019 Wallops Site-wide Programmatic Environmental Impact Statement (Site-wide PEIS). The Site-wide PEIS, which is available at https://code200-external.gsfc.nasa.gov/250-wff/site-wide_eis, analyzed the potential environmental impacts associated with various institutional support activities including the causeway bridge replacement.

The existing bridge was constructed in 1959-1960 and is approaching the end of its anticipated service life. It is located on a two-mile long causeway road connecting the mainland with Wallops Island. A 1,000-foot section of the causeway road at each bridge approach would be realigned to allow construction of the new bridge parallel to the existing bridge. The existing bridge would remain in use during construction of the new bridge. A concept-level plan for the new bridge, temporary construction bridge, and causeway realignment has been prepared by FHWA (see Attachment A). The bridge was determined to be ineligible for listing in the National Register of Historic Places (NRHP).

WFF contains numerous archaeological sites; however, no prior archaeological surveys have been performed that overlap the project area. Three known archaeological sites on Wallops Island consist of a Revolutionary War-era earthwork, a Coast Guard trash scatter, and a historic shell midden. An archaeological site sensitivity assessment was completed and a sensitivity

model was created for the entire facility (*Cultural Resources Assessment of Wallops Flight Facility*). Portions of Wallops Island fit the modeled criteria for moderate to high sensitivity for both prehistoric and historic archaeological sites. The assessment concluded that tidal marsh areas, including hummocks, knolls, and potentially buried landforms, are high sensitivity for the presence of prehistoric archaeological sites and moderate to high sensitivity for Maritime historic archaeological sites.

A Section 106 Programmatic Agreement between NASA, DHR, and the Advisory Council on Historic Preservation (ACHP) regarding management of the facility was executed in 2014. The Pocomoke Indian Nation participated as a consulting party. The agreement provides concurrence for the sensitivity model, listings of known sites, NRHP eligibility statuses, and other guidelines for management and consultation. The proposed bridge replacement is not excluded from further review per Stipulations II or III of the agreement; therefore, the project would proceed using the standard review process per Stipulation IV.

NASA/FHWA is submitting a draft Area of Potential Effects (APE) for the project (Attachment B). The draft APE will provide a preliminary basis for assessing potential historic properties that could be affected by the proposed undertaking. In order to allow flexibility for design, accommodate access/staging, and to facilitate the avoidance/minimization of impacts, the APE is slightly larger than the footprint depicted in the concept-level plans. The APE includes all areas within 150 feet of the existing roadway centerline on the north side of the road, and within 100 feet of the existing roadway centerline on the south side of the road. The APE is 4,300 linear feet (Station 15+00 to Station 58 +00 in relation to the attached plans). This includes 1,500 feet on each side of the bridge, plus the 1,300-foot bridge itself. The total APE, including terrestrial uplands, tidal marsh, and estuarine deepwater, is approximately 24.7 acres.

An archaeological investigation within the APE, including terrestrial and underwater survey, will be conducted this year. As stipulated in the archaeological site sensitivity report, the survey will include a geomorphology assessment to determine whether deeply buried cultural strata could exist within the APE. The work will include an identification survey (Phase I Survey) within the APE. If any archaeological sites are identified, a Phase II evaluation survey will be conducted to determine whether the site is potentially eligible for listing in the NRHP. The survey will include the entire APE; however, disturbed, steeply sloped, causeway embankment, underground utility corridor(s) and paved areas will not be subjected to shovel testing. Portions of the tidal marsh that are not determined to possess archaeological potential during the geomorphology assessment will not require additional testing. The Phase 1 underwater survey will utilize remote sensing technologies including a magnetometer, side-scan sonar, and sub-bottom profiler. Underwater sites would be evaluated by a diving team. The survey report and associated recommendations will be submitted to your office for review.

We look forward to continuing the consultation process and welcome any comments you may have. Additionally, we are requesting your input regarding Traditional Cultural Properties or other areas of significance within the APE. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov, or by phone, 540-622-3069. If you have any questions about the Environmental Assessment or the Section 106 process, feel free to contact us at your convenience. Please acknowledge your receipt of this letter, along with any comments to be included with the EA scoping period, within thirty days.

Sincerely yours,

KEVIN S ROSE Digitally signed by KEVIN S ROSE
Date: 2020.08.21 15:27:57 -04'00'

Kevin S. Rose
Environmental Compliance Specialist

Enclosures

CC:

Ms. Shari Miller, Environmental Planning Lead, NASA, Wallops Island, VA
Mr. Randall Stanley, Historic Preservation Officer, NASA, Wallops Island, VA



SENT BY ELECTRONIC MAIL

In Reply Refer To: HFPP-15

Anne Richardson, Chief
Rappahannock Tribe
5036 Indian Neck Road
Indian Neck, VA 23148

Subject: Environmental Assessment Scoping and Section 106 Initiation for the Wallops
Island Causeway Bridge Replacement, Accomack County, VA

Dear Ms. Richardson:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), is initiating an Environmental Assessment (EA) that will evaluate potential impacts associated with replacement of the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. The EA is being prepared to satisfy both NASA's and FHWA's obligations under the National Environmental Policy Act of 1969 (NEPA) and will also serve as a means for ensuring compliance with a variety of other Federal statutes, including the National Historic Preservation Act (NHPA). The EA is being tiered from the July 2019 Wallops Site-wide Programmatic Environmental Impact Statement (Site-wide PEIS). The Site-wide PEIS, which is available at https://code200-external.gsfc.nasa.gov/250-wff/site-wide_eis, analyzed the potential environmental impacts associated with various institutional support activities including the causeway bridge replacement.

The existing bridge was constructed in 1959-1960 and is approaching the end of its anticipated service life. It is located on a two-mile long causeway road connecting the mainland with Wallops Island. A 1,000-foot section of the causeway road at each bridge approach would be realigned to allow construction of the new bridge parallel to the existing bridge. The existing bridge would remain in use during construction of the new bridge. A concept-level plan for the new bridge, temporary construction bridge, and causeway realignment has been prepared by FHWA (see Attachment A). The bridge was determined to be ineligible for listing in the National Register of Historic Places (NRHP).

WFF contains numerous archaeological sites; however, no prior archaeological surveys have been performed that overlap the project area. Three known archaeological sites on Wallops Island consist of a Revolutionary War-era earthwork, a Coast Guard trash scatter, and a historic shell midden. An archaeological site sensitivity assessment was completed and a sensitivity model was created for the entire facility (*Cultural Resources Assessment of Wallops Flight Facility*). Portions of Wallops Island fit the modeled criteria for moderate to high sensitivity for

both prehistoric and historic archaeological sites. The assessment concluded that tidal marsh areas, including hummocks, knolls, and potentially buried landforms, are high sensitivity for the presence of prehistoric archaeological sites and moderate to high sensitivity for Maritime historic archaeological sites.

To formally initiate consultation for this undertaking, in compliance with NHPA Section 106 (54 U.S.C. § 306108 and its implementing regulations, 36 CFR § 800), NASA/FHWA is submitting a draft Area of Potential Effects (APE) for the project (Attachment B). The draft APE will provide a preliminary basis for assessing potential historic properties that could be affected by the proposed undertaking. In order to allow flexibility for design, accommodate access/staging, and to facilitate the avoidance/minimization of impacts, the APE is slightly larger than the footprint depicted in the concept-level plans. The APE includes all areas within 150 feet of the existing roadway centerline on the north side of the road, and within 100 feet of the existing roadway centerline on the south side of the road. The APE is 4,300 linear feet (Station 15+00 to Station 58 +00 in relation to the attached plans). This includes 1,500 feet on each side of the bridge, plus the 1,300-foot bridge itself. The total APE, including terrestrial uplands, tidal marsh, and estuarine deepwater, is approximately 24.7 acres.

An archaeological investigation within the APE, including terrestrial and underwater survey, will be conducted this year. As stipulated in the archaeological site sensitivity report, the survey will include a geomorphology assessment to determine whether deeply buried cultural strata could exist within the APE. The work will include an identification survey (Phase I Survey) within the APE. If any archaeological sites are identified, a Phase II evaluation survey will be conducted to determine whether the site is potentially eligible for listing in the NRHP. The survey will include the entire APE; however, disturbed, steeply sloped, causeway embankment, underground utility corridor(s) and paved areas will not be subjected to shovel testing. Portions of the tidal marsh that are not determined to possess archaeological potential during the geomorphology assessment will not require additional testing. The Phase 1 underwater survey will utilize remote sensing technologies including a magnetometer, side-scan sonar, and sub-bottom profiler. Underwater sites would be evaluated by a diving team. The survey report and associated recommendations will be submitted to your office for review.

We look forward to continuing the Section 106 consultation process and welcome any comments you may have. Additionally, we are requesting your input regarding Traditional Cultural Properties or other areas of significance within the APE. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov, or by phone, 540-622-3069. If you have any questions about the Environmental Assessment or the Section 106 process, feel free to contact us at your convenience. Please acknowledge your receipt of this letter, along with any comments to be included with the EA scoping period, within thirty days.

Sincerely yours,

KEVIN S ROSE Digitally signed by KEVIN S ROSE
Date: 2020.08.21 15:29:02 -04'00'

Kevin S. Rose
Environmental Compliance Specialist

Enclosures

CC:

Ms. Shari Miller, Environmental Planning Lead, NASA, Wallops Island, VA

Mr. Randall Stanley, Historic Preservation Officer, NASA, Wallops Island, VA



SENT BY ELECTRONIC MAIL

Gerald Steward
Chickahominy Indians Eastern Division
2895 Mount Pleasant Rd.
Providence Forge, VA 23140

Subject: Section 106 Initiation and Draft Archaeological Report for the Wallops Island Causeway Bridge Replacement, Accomack County, VA

Dear Mr. Steward:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), proposes to replace the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. The existing bridge was constructed in 1959-1960 and is approaching the end of its anticipated service life. It is located on a two-mile long causeway road connecting the mainland with Wallops Island. A concept-level plan for the new bridge, temporary construction bridge, and causeway realignment has been prepared by FHWA (see Attachment A).

To formally initiate consultation for this undertaking, in compliance with NHPA Section 106 (54 U.S.C. § 306108 and its implementing regulations, 36 CFR § 800), NASA/FHWA is submitting a draft Area of Potential Effects (APE) for the project (Attachment B). The draft APE will provide a preliminary basis for assessing potential historic properties that could be affected by the proposed undertaking. An archaeological investigation within the APE, including terrestrial and underwater survey, has been completed. The draft survey report is attached for your review (see attachment C). No archaeological sites were identified, and no additional fieldwork is recommended.

We look forward to continuing the Section 106 consultation process and welcome any comments you may have. Additionally, we are requesting your input regarding Traditional Cultural Properties or other areas of significance within the APE. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov, or by phone, 540-622-3069. Please acknowledge your receipt of this letter, along with any comments related to the APE or draft archaeological report, within thirty days.

Sincerely yours,

Kevin
S. Rose

Digitally signed
by Kevin S. Rose
Date: 2021.01.12
14:24:04 -05'00'

Kevin S. Rose
Environmental Compliance Specialist

CC:

Ms. Shari Miller, Environmental Planning Lead, NASA
Mr. Randall Stanley, Historic Preservation Officer, NASA
Ms. Jessica Phillips, Environmental Officer, Chickahominy Indians Eastern Division

2021 and 2022
VDHR
Cultural Resources
Coordination



SENT BY ELECTRONIC MAIL

In Reply Refer To: HFPP-15

Laura Lavernia
Virginia Department of Historic Resources
2801 Kensington Avenue
Richmond, VA 23221

Subject: Environmental Assessment Scoping and Section 106 Initiation for the Wallops Island Causeway Bridge Replacement, Accomack County, VA (DHR Site ID # 001-0027-0152)

Dear Ms. Lavernia:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), is initiating an Environmental Assessment (EA) that will evaluate potential impacts associated with replacement of the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. The EA is being prepared to satisfy both NASA's and FHWA's obligations under the National Environmental Policy Act of 1969 (NEPA) and will also serve as a means for ensuring compliance with a variety of other Federal statutes, including the National Historic Preservation Act (NHPA). The EA is being tiered from the July 2019 Wallops Site-wide Programmatic Environmental Impact Statement (Site-wide PEIS). The Site-wide PEIS, which is available at https://code200-external.gsfc.nasa.gov/250-wff/site-wide_eis, analyzed the potential environmental impacts associated with various institutional support activities including the causeway bridge replacement.

The existing bridge was constructed in 1959-1960 and is approaching the end of its anticipated service life. It is located on a two-mile long causeway road connecting the mainland with Wallops Island. A 1,000-foot section of the causeway road at each bridge approach would be realigned to allow construction of the new bridge parallel to the existing bridge. The existing bridge would remain in use during construction of the new bridge. A concept-level plan for the new bridge, temporary construction bridge, and causeway realignment has been prepared by FHWA (see Attachment A). The bridge and causeway were included in the *Historic Resources Eligibility Survey, Wallops Flight Facility, Accomack County Virginia (2011)* and were documented as Virginia Department of Historic Resources (DHR) ID# 001-0027-0152. They were recommended by NASA as not eligible for listing in the National Register of Historic Places (NRHP). DHR concurred with the report and associated recommendations (DHR File No. 2010-2274).

WFF contains numerous archaeological sites; however, no prior archaeological surveys have been performed that overlap the project area. Three known archaeological sites on Wallops Island consist of a Revolutionary War-era earthwork, a Coast Guard trash scatter, and a historic shell midden. An archaeological site sensitivity assessment was completed and a sensitivity model was created for the entire facility (*Cultural Resources Assessment of Wallops Flight Facility, 2003*, DHR File No. 2003-0571). Portions of Wallops Island fit the modeled criteria for moderate to high sensitivity for both prehistoric and historic archaeological sites. The assessment concluded that tidal marsh areas, including hummocks, knolls, and potentially buried landforms, are high sensitivity for the presence of prehistoric archaeological sites and moderate to high sensitivity for Maritime historic archaeological sites.

A Section 106 Programmatic Agreement between NASA, DHR, and the Advisory Council on Historic Preservation (ACHP) regarding management of the facility was executed in 2014. The agreement provides concurrence for the sensitivity model, listings of known sites, NRHP eligibility statuses, and other guidelines for management and consultation. The proposed bridge replacement is not excluded from DHR review per Stipulations II or III of the agreement; therefore, the project would proceed using the standard review process per Stipulation IV.

To formally initiate consultation for this undertaking, in compliance with NHPA Section 106 (54 U.S.C. § 306108 and its implementing regulations, 36 CFR § 800), NASA/FHWA is submitting a draft Area of Potential Effects (APE) for the project (Attachment B). The draft APE will provide a preliminary basis for assessing potential historic properties that could be affected by the proposed undertaking. In order to allow flexibility for design, accommodate access/staging, and to facilitate the avoidance/minimization of impacts, the APE is slightly larger than the footprint depicted in the concept-level plans. The APE includes all areas within 150 feet of the existing roadway centerline on the north side of the road, and within 100 feet of the existing roadway centerline on the south side of the road. The APE is 4,300 linear feet (Station 15+00 to Station 58 +00 in relation to the attached plans). This includes 1,500 feet on each side of the bridge, plus the 1,300-foot bridge itself. The total APE, including terrestrial uplands, tidal marsh, and estuarine deepwater, is approximately 24.7 acres.

An archaeological investigation within the APE, including terrestrial and underwater survey, will be conducted this year. As stipulated in the archaeological site sensitivity report, the survey will include a geomorphology assessment to determine whether deeply buried cultural strata could exist within the APE. The work will include an identification survey (Phase I Survey) within the APE. If any archaeological sites are identified, a Phase II evaluation survey will be conducted to determine whether the site is potentially eligible for listing in the NRHP. The survey will include the entire APE; however, disturbed, steeply sloped, causeway embankment, underground utility corridor(s) and paved areas will not be subjected to shovel testing. Portions of the tidal marsh that are not determined to possess archaeological potential during the geomorphology assessment will not require additional testing. The Phase 1 underwater survey will utilize remote sensing technologies including a magnetometer, side-scan sonar, and sub-bottom profiler. Underwater sites would be evaluated by a diving team. The survey report and associated recommendations will be submitted to DHR for review.

Additionally, we have initiated consultation with five Tribal Historic Preservation Offices (THPOs) and invited them to participate in the Section 106 process as consulting parties. We have requested input regarding Traditional Cultural Properties or other areas of significance

within the APEs. The following THPOS/tribes have been contacted: Catawba Indian Nation; Chickahominy Indian Tribe; Nansemond Indian Tribal Association; Pamunkey Indian Tribe, and Rappahannock Tribe. Based on previous consultations, several other tribes have informed NASA that they do not need to be consulted on projects at WFF, or that they wish to be contacted only upon discovery of Native American sites.

We look forward to continuing the Section 106 consultation process and welcome any comments you may have. Please direct any communications related to these projects to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov, or by phone (540-622-3069). If you have any questions about the Environmental Assessment or the Section 106 process, feel free to contact us at your convenience. Please acknowledge your receipt of this letter, along with any comments to be included with the EA scoping period, within thirty days.

Sincerely yours,

Kevin S. Rose
Environmental Compliance Specialist

Enclosures

CC:

Ms. Shari Miller, Environmental Planning Lead, NASA, Wallops Island, VA
Mr. Randall Stanley, Historic Preservation Officer, NASA, Wallops Island, VA

Wallops Island Causeway Bridge

Area of Potential Effect

Legend

 NASA ape



Google Earth

© 2020 Google





COMMONWEALTH of VIRGINIA

Department of Historic Resources

2801 Kensington Avenue, Richmond, Virginia 23221

Matt Strickler
Secretary of Natural Resources

Julie V. Langan
Director

Tel: (804) 367-2323
Fax: (804) 367-2391
www.dhr.virginia.gov

MEMORANDUM

DATE: 21 September 2020 **DHR File #** 2020-4275

TO: Mr. Ryan Kimberley
FHWA

FROM:  Marc E. Holma, Architectural Historian (804) 482-6090
Review and Compliance Division

PROJECT: Wallops Island Causeway Bridge Replacement
Accomack County, Virginia

- This project will have an effect on historic resources. Based on the information provided, the effect will not be adverse.
- This project will have an adverse effect on historic properties. Further consultation with DHR is needed under Section 106 of the NHPA.
- Additional information is needed before we will be able to determine the effect of the project on historic resources. **Please see below.**
- No further identification efforts are warranted. No historic properties will be affected by the project. Should unidentified historic properties be discovered during implementation of the project, please notify DHR.
- We have previously reviewed this project. Attached is a copy of our correspondence.
- X** Other (Please see comments below)

COMMENTS: The DHR concurs with the recommendation to conduct an archaeological survey of the project APE. Per DHR's Survey Guidelines, DHR recommends discussing with DHR staff in advance of field work the research design for underwater Phase I surveys as well as research designs that utilize probability models to exclude low probability areas from survey. It is useful for DHR to review a research design/archaeological assessment for the proposed survey prior to implementation to ensure that it will meet DHR's Guidelines.

Administrative Services
10 Courthouse Ave.
Petersburg, VA 23803
Tel: (804) 862-6408
Fax: (804) 862-6196

Eastern Region Office
2801 Kensington Avenue
Richmond, VA 23221
Tel: (804) 367-2323
Fax: (804) 367-2391

Western Region Office
962 Kime Lane
Salem, VA 24153
Tel: (540) 387-5443
Fax: (540) 387-5446

Northern Region Office
5357 Main Street
PO Box 519
Stephens City, VA 22655
Tel: (540) 868-7029
Fax: (540) 868-7033

From: [Kimberley, Ryan \(FHWA\)](#)
To: [Holma, Marc](#)
Cc: [Miller, Shari A. \(WFF-2500\)](#); [Stanley, Randall M. \(WFF-2280\)](#)
Subject: [EXTERNAL] Wallops Island Causeway Bridge Replacement, draft archeological report (2020-4275)
Date: Tuesday, January 12, 2021 1:59:18 PM

Hello Marc,

The National Aeronautics and Space Administration (NASA) and the Federal Highway Administration (FHWA) have conducted an archaeological survey within the Area of Potential Effect (APE) for the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. The research design/scope of work was reviewed previously by DHR staff. The draft archeological report can be downloaded at the following URL:

<https://sftp.fhwa.dot.gov/?ShareToken=7422B8913A2C0A3D29FA3CBCA8AD1E43809F26BD>

The survey did not identify any archaeological sites. If you would like to receive a hard-copy of the report, or have other submittal requirements, let me know as soon as possible and I will expedite the delivery to your office. Please submit any comments that you may have about the report by February 11, 2021. The draft report does not contain the DHR file number (2020-4275) but we will add that on the final version.

Sincerely,

Ryan Kimberley
Environmental Protection Specialist
Federal Highway Administration
Eastern Federal Lands Highway Division
22001 Loudon County Parkway
Building E2, Suite 200
Ashburn, VA 20147
703-404-6240

From: Holma, Marc [mailto:marc.holma@dhr.virginia.gov]
Sent: Monday, October 19, 2020 11:08 AM
To: Kimberley, Ryan (FHWA) <ryan.kimberley@dot.gov>
Subject: Wallops Island Causeway Bridge Replacement archaeological research design (2020-4275)

Ryan.

The archaeological research/scope of work prepared by CRA appears to be consistent with DHR survey Guidelines. The DHR has no further comment at this time and looks forward to reviewing the

results of the surveys when completed.

Sincerely,
Marc

--

Marc Holma
Architectural Historian
Division of Review and Compliance
(804) 482-6090
marc.holma@dhr.virginia.gov



COMMONWEALTH of VIRGINIA

Department of Historic Resources

2801 Kensington Avenue, Richmond, Virginia 23221

Matt Strickler
Secretary of Natural Resources

Julie V. Langan
Director

Tel: (804) 367-2323
Fax: (804) 367-2391
www.dhr.virginia.gov

MEMORANDUM

DATE: 9 February 2021 **DHR File #** 2020-4275

TO: Mr. Ryan Kimberley
FHWA

FROM:  Marc E. Holma, Architectural Historian (804) 482-6090
Review and Compliance Division

PROJECT: Wallops Island Causeway Bridge Replacement
Accomack County, Virginia

This project will have an effect on historic resources. Based on the information provided, the effect will not be adverse.

This project will have an adverse effect on historic properties. Further consultation with DHR is needed under Section 106 of the NHPA.

Additional information is needed before we will be able to determine the effect of the project on historic resources. **Please see below.**

No further identification efforts are warranted. No historic properties will be affected by the project. Should unidentified historic properties be discovered during implementation of the project, please notify DHR.

We have previously reviewed this project. Attached is a copy of our correspondence.

Other (Please see comments below)

COMMENTS: **No archaeological sites were identified in the Phase I survey. DHR requests that the title page of the report be revised to accurately describe this report as a Phase I Archaeological Survey not a "Phase I/II Archaeological Survey" and to include the DHR file number. Based on the information provided, DHR concurs with the consultant's recommendation that no further archaeological work is necessary for the proposed project.**

Administrative Services
10 Courthouse Ave.
Petersburg, VA 23803
Tel: (804) 862-6408
Fax: (804) 862-6196

Eastern Region Office
2801 Kensington Avenue
Richmond, VA 23221
Tel: (804) 367-2323
Fax: (804) 367-2391

Western Region Office
962 Kime Lane
Salem, VA 24153
Tel: (540) 387-5443
Fax: (540) 387-5446

Northern Region Office
5357 Main Street
PO Box 519
Stephens City, VA 22655
Tel: (540) 868-7029
Fax: (540) 868-7033

2023 Tribal Section 106 Consultation



U.S. Department
of Transportation
**Federal Highway
Administration**

Eastern Federal Lands
Highway Division

21400 Ridgetop Circle
Sterling, VA 20166-6511

Caitlin Rogers
Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, SC 29730

Subject: Wallops Island Causeway Bridge Replacement, Accomack County, VA
Section 106 Determination- No Historic Properties Affected

Dear Ms. Rogers:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), proposes to replace the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. In late 2020, Cultural Resource Analysts, Inc. (CRA) conducted a Phase I Archaeological Survey for the Area of Potential Effect (APE) including geoarchaeological, terrestrial, and underwater surveys. The archaeological fieldwork did not result in the identification of any sites, and no additional fieldwork was recommended. A copy of the report is enclosed. The report includes several maps of the APE.

FHWA and NASA provided project information and the archaeological report to the Virginia Department of Historic Resources (DHR) in January 2021. DHR responded on February 9, 2021, stating that "...no further archaeological work is necessary for the proposed project. No historic properties will be affected by the project" (DHR File 2020-4275).

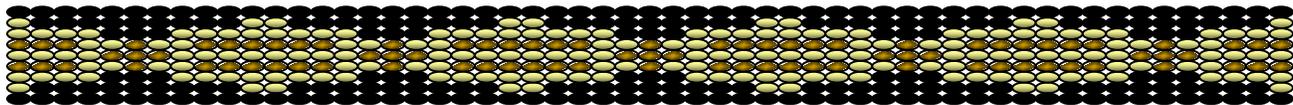
Based on the results of identification and evaluation of the project area, FHWA and NASA have determined that no historic properties would be affected by the undertaking, as defined in 36 CFR Part 800.4(d)(1). We respectfully request your concurrence or comments related to this determination within 30 days. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov.

Sincerely yours,

Kevin S. Rose
Environmental Compliance Specialist

Catawba Indian Nation
Tribal Historic Preservation Office
1536 Tom Steven Road
Rock Hill, South Carolina 29730

Office 803-328-2427



March 1, 2023

Attention: Ryan Kimberley
Federal Highway Administration
21400 Ridgetop Circle
Sterling, VA 20166-6511

Re. THPO #	TCNS #	Project Description
2023-133-1		Wallops Island Causeway Bridge Replacement, Accomack Co., VA

Dear Mr. Kimberley,

The Catawba have no immediate concerns with regard to traditional cultural properties, sacred sites or Native American archaeological sites within the boundaries of the proposed project areas. **However, the Catawba are to be notified if Native American artifacts and / or human remains are located during the ground disturbance phase of this project.**

If you have questions please contact Caitlin Rogers at 803-328-2427 ext. 226, or e-mail Caitlin.Rogers@catawba.com.

Sincerely,

Wenonah G. Haire
Tribal Historic Preservation Officer



U.S. Department
of Transportation
**Federal Highway
Administration**

Eastern Federal Lands
Highway Division

21400 Ridgetop Circle
Sterling, VA 20166-6511

SENT BY ELECTRONIC MAIL

In Reply Refer To: HFPP-15

Norris Howard, Sr.
Paramount Chief
Pocomoke Indian Nation
3355 Allen Road
Eden, MD 21822

Subject: Wallops Island Causeway Bridge Replacement, Accomack County, VA
Section 106 Determination- No Historic Properties Affected

Dear Mr. Howard:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), proposes to replace the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. A National Historic Preservation Act, Section 106 Programmatic Agreement between NASA, the Virginia Department of Historic Resources (DHR), and the Advisory Council on Historic Preservation (ACHP) regarding management of WFF was executed in 2014. The Pocomoke Indian Nation participated as a consulting party. The subject project is proceeding under the standard review process, including consultation with your office as outlined in Stipulation IV of the agreement.

On August 24, 2020, FHWA and NASA submitted electronic correspondence to the Pocomoke Indian Nation formally initiating consultation. The correspondence included draft engineering plans, the Area of Potential Effect (APE), and an archaeological survey proposal. The letter contained a request for input regarding Traditional Cultural Properties or other areas of significance within the APE. No comments or additional information were received by FHWA in response to the correspondence.

In late 2020, Cultural Resource Analysts, Inc. (CRA) conducted a Phase I Archaeological Survey for the project area including geoarchaeological, terrestrial, and underwater surveys. The archaeological fieldwork did not result in the identification of any sites, and no additional fieldwork was recommended. A copy of the draft archaeological report was submitted to the Pocomoke Indian Nation on January 11, 2021. No comments were received in response to the correspondence. FHWA and NASA also provided the project information and archaeological DHR in January 2021. DHR responded on February 9, 2021, stating that "...no further archaeological work is necessary for the proposed project. No historic properties will be affected by the project" (DHR File 2020-4275). No substantive changes were made to the draft

archaeological report based on comments received from DHR or any Tribal Historic Preservation Officers. A copy of the final report is available upon request.

Based on the results of identification and evaluation of the project area, FHWA and NASA have determined that no historic properties would be affected by the undertaking, as defined in 36 CFR Part 800.4(d)(1). We respectfully request your concurrence or comments related to this determination within 30 days. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov.

Sincerely yours,

KEVIN S ROSE Digitally signed by KEVIN S ROSE
Date: 2023.01.30 17:46:27 -05'00'

Kevin S. Rose
Environmental Compliance Specialist



U.S. Department
of Transportation
**Federal Highway
Administration**

Eastern Federal Lands
Highway Division

21400 Ridgetop Circle
Sterling, VA 20166-6511

SENT BY ELECTRONIC MAIL

In Reply Refer To: HFPP-15

Keith Anderson, Chief
Nansemond Indian Nation
1001 Pembroke Lane
Suffolk, VA 23434

Subject: Wallops Island Causeway Bridge Replacement, Accomack County, VA
Section 106 Determination- No historic properties affected

Dear Mr. Anderson:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), proposes to replace the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. On August 24, 2020, FHWA and NASA submitted electronic correspondence to the Nansemond Indian Nation formally initiating consultation in accordance with Section 106 of the National Historic Preservation Act. The correspondence included draft engineering plans, the Area of Potential Effect (APE), and an archaeological survey proposal. The letter contained a request for input regarding Traditional Cultural Properties or other areas of significance within the APE. No comments or additional information were received by FHWA in response to the correspondence.

In late 2020, Cultural Resource Analysts, Inc. (CRA) conducted a Phase I Archaeological Survey for the project area including geoarchaeological, terrestrial, and underwater surveys. The archaeological fieldwork did not result in the identification of any sites, and no additional fieldwork was recommended. A copy of the draft archaeological report was submitted to the Nansemond Indian Nation on January 11, 2021. No comments were received in response to the correspondence. FHWA and NASA also provided the project information and archaeological report to the Virginia Department of Historic Resources (DHR) in January 2021. DHR responded on February 9, 2021, stating that "...no further archaeological work is necessary for the proposed project. No historic properties will be affected by the project" (DHR File 2020-4275). No substantive changes were made to the draft archaeological report based on comments received from DHR or any Tribal Historic Preservation Officers. A copy of the final report is available upon request.

Based on the results of identification and evaluation of the project area, FHWA and NASA have determined that no historic properties would be affected by the undertaking, as defined in 36

CFR Part 800.4(d)(1). We respectfully request your concurrence or comments related to this determination within 30 days. Please direct any communications related to this project to Mr.

Sincerely yours,

RYAN DEFOREST
KIMBERLEY



Digitally signed by RYAN
DEFOREST KIMBERLEY
Date: 2023.02.02 15:37:46 -05'00'

Ryan D. Kimberley
Senior Technical Specialist, Environment



U.S. Department
of Transportation
**Federal Highway
Administration**

Eastern Federal Lands
Highway Division

21400 Ridgetop Circle
Sterling, VA 20166-6511

Anne Richardson, Chief
Rappahannock Tribe
5036 Indian Neck Road
Indian Neck, VA 23148

**Subject: Wallops Island Causeway Bridge Replacement, Accomack County, VA
Section 106 Determination- No Historic Properties Affected**

Dear Ms. Richardson:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), proposes to replace the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. On August 24, 2020, FHWA and NASA submitted electronic correspondence to the Rappahannock Tribe formally initiating consultation in accordance with Section 106 of the National Historic Preservation Act. The correspondence included draft engineering plans, the Area of Potential Effect (APE), and an archaeological survey proposal. The letter contained a request for input regarding Traditional Cultural Properties or other areas of significance within the APE. No comments or additional information were received by FHWA in response to the correspondence.

In late 2020, Cultural Resource Analysts, Inc. (CRA) conducted a Phase I Archaeological Survey for the project area including geoarchaeological, terrestrial, and underwater surveys. The archaeological fieldwork did not result in the identification of any sites, and no additional fieldwork was recommended. A copy of the draft archaeological report was submitted to the Rappahannock Tribe on January 11, 2021. No comments were received in response to the correspondence. FHWA and NASA also provided the project information and archaeological report to the Virginia Department of Historic Resources (DHR) in January 2021. DHR responded on February 9, 2021, stating that "...no further archaeological work is necessary for the proposed project. No historic properties will be affected by the project" (DHR File 2020-4275). No substantive changes were made to the draft archaeological report based on comments received from DHR or any Tribal Historic Preservation Officers. A copy of the final report is enclosed.

On November 21, 2021, the Rappahannock Tribe provided updated guidance regarding Section 106 consultation. In response to the guidance, this correspondence is being submitted in both a hard copy and electronic format. Based on the results of identification and evaluation of the project area, FHWA and NASA have determined that no historic properties would be affected by the undertaking, as defined in 36 CFR Part 800.4(d)(1). We respectfully request your concurrence or comments related to this determination within 30 days. Please direct any

communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov.

Sincerely yours,

A handwritten signature in blue ink that reads "Ryan Kimberley". The signature is written in a cursive style.

For
Kevin S. Rose
Environmental Compliance Specialist



U.S. Department
of Transportation
**Federal Highway
Administration**

Eastern Federal Lands
Highway Division

21400 Ridgetop Circle
Sterling, VA 20166-6511

SENT BY ELECTRONIC MAIL

Stephen Adkins, Chief
Chickahominy Indian Tribe
8200 Lott Cary Road
Providence Forge, VA 23140

Subject: Wallops Island Causeway Bridge Replacement, Accomack County, VA
Section 106 Determination- No Historic Properties Affected

Dear Mr. Adkins:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), proposes to replace the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. On August 24, 2020, FHWA and NASA submitted electronic correspondence to the Chickahominy Indian Tribe formally initiating consultation in accordance with Section 106 of the National Historic Preservation Act. The correspondence included draft engineering plans, the Area of Potential Effect (APE), and an archaeological survey proposal. The letter contained a request for input regarding Traditional Cultural Properties or other areas of significance within the APE. No comments or additional information were received by FHWA from the Chickahominy Indian Tribe in response to the correspondence.

In late 2020, Cultural Resource Analysts, Inc. (CRA) conducted a Phase I Archaeological Survey for the project area including geoarchaeological, terrestrial, and underwater surveys. The archaeological fieldwork did not result in the identification of any sites, and no additional fieldwork was recommended. A copy of the draft archaeological report was submitted to the Chickahominy Indian Tribe on January 12, 2021. No comments were received in response to the correspondence. FHWA and NASA also provided the project information and archaeological report to the Virginia Department of Historic Resources (DHR) in January 2021. DHR responded on February 9, 2021, stating that "...no further archaeological work is necessary for the proposed project. No historic properties will be affected by the project" (DHR File 2020-4275). No substantive changes were made to the draft archaeological report based on comments received from DHR or any Tribal Historic Preservation Officers. A copy of the final report is available upon request.

Based on the results of identification and evaluation of the project area, FHWA and NASA have determined that no historic properties would be affected by the undertaking, as defined in 36 CFR Part 800.4(d)(1). We respectfully request your concurrence or comments related to this determination within 30 days. Please direct any communications related to this project to Mr.

Ryan Kimberley, FHWA Environmental Protection Specialist, by email
ryan.kimberley@dot.gov.

Sincerely yours,

KEVIN S ROSE Digitally signed by KEVIN S ROSE
Date: 2023.01.30 17:46:27 -05'00'

Kevin S. Rose
Environmental Compliance Specialist



U.S. Department
of Transportation
**Federal Highway
Administration**

Eastern Federal Lands
Highway Division

21400 Ridgetop Circle
Sterling, VA 20166-6511

SENT BY ELECTRONIC MAIL

Gerald Steward, Chief
Chickahominy Indians Eastern Division
2895 Mount Pleasant Rd.
Providence Forge, VA 23140

Subject: Wallops Island Causeway Bridge Replacement, Accomack County, VA
Section 106 Determination- No Historic Properties Affected

Dear Mr. Steward:

The National Aeronautics and Space Administration (NASA), in cooperation with the Federal Highway Administration (FHWA), proposes to replace the Wallops Island Causeway Bridge over Cat Creek at Goddard Space Flight Center's Wallops Flight Facility (WFF), in Accomack County, VA. On January 12, 2021, FHWA and NASA submitted electronic correspondence to the Chickahominy Indians Eastern Division formally initiating consultation in accordance with Section 106 of the National Historic Preservation Act. The correspondence included the Area of Potential Effect (APE) and a draft archaeological survey report of the project area. The archaeological fieldwork did not result in the identification of any sites, and no additional fieldwork was recommended. The letter contained a request for review of the report and input regarding Traditional Cultural Properties or other areas of significance within the APE. No comments or additional information were received by FHWA in response to the correspondence.

FHWA and NASA provided the project information and archaeological report to the Virginia Department of Historic Resources (DHR) in January 2021. DHR responded on February 9, 2021, stating that "...no further archaeological work is necessary for the proposed project. No historic properties will be affected by the project" (DHR File 2020-4275). No substantive changes were made to the draft archaeological report based on comments received from DHR or any Tribal Historic Preservation Officers. A copy of the final report is available upon request.

Based on the results of identification and evaluation of the project area, FHWA and NASA have determined that no historic properties would be affected by the undertaking, as defined in 36 CFR Part 800.4(d)(1). We respectfully request your concurrence or comments related to this determination within 30 days. Please direct any communications related to this project to Mr. Ryan Kimberley, FHWA Environmental Protection Specialist, by email ryan.kimberley@dot.gov.

Sincerely yours,

KEVIN S ROSE Digitally signed by KEVIN S ROSE
Date: 2023.01.30 17:47:40 -05'00'

Kevin S. Rose
Environmental Compliance Specialist