

Village of Croton-on-Hudson

COASTAL ASSESSMENT FORM

A. INSTRUCTIONS (Please print or type all answers)

1. Applicants, or in the case of direct actions (city, town, village) agencies, shall complete this CAF for proposed actions which are subject to the consistency review law. This assessment is intended to supplement other information used by a (city, town, village) agency in making a determination of consistency.

2. Before answering the questions in Section C, the preparer of this form should review the policies and explanations of policy contained in the Local Waterfront Revitalization Program (LWRP), a copy of which is on file in the (city, town, village) clerk's office and available on the Village web site at [Village of Croton-on-Hudson Local Waterfront Revitalization Program 2024](#). A proposed action should be evaluated as to its significant beneficial and adverse effects upon the coastal area.

3. If any question in Section C on this form is answered "yes", then the proposed action may affect the achievement of the LWRP policy standards and conditions contained in the consistency review law. Thus, the action should be analyzed in more detail and, if necessary, modified prior to making a determination that it is consistent to the maximum extent practicable with the LWRP policy standards and conditions. If an action cannot be certified as consistent with the LWRP policy standards and conditions, it shall not be undertaken.

B. DESCRIPTION OF SITE AND PROPOSED ACTION:

1. Type of (city, town, village) agency action (check appropriate response):

- a) Directly undertaken (e.g. capital construction, planning activity, agency regulation, land transaction) _____
- b) Financial assistance (e.g. grant, loan, subsidy) _____
- c) Permit, approval, license, certification _____ X
- d) Agency undertaking action _____

2. Describe nature and extent of action: _____

The proposed project will include the removal of the existing bridge and construction of a new bridge, in addition to roadway approach improvements. The construction of a new bridge will ensure safe and accessible route for motorists and pedestrians.

3. Location of actions: Quaker Bridge Road Town of Cortlandt and Village of Croton-on-Hudson Westchester County
(street or site description)

4. Size of site: 0.35 acres

5. Present land use: Bridge crossing the Croton River (currently closed)

6. Present zoning classification: Croton: PRE-1 Park Recreation and Education and RA-25 One Family Residence. Cortlandt: R-80 Single Family Residential

7. List and describe any unique or unusual land forms within or contiguous to the project site (i.e. bluffs, dunes, swales, ground depressions, other geological formations):

Croton River

8. Percent of site which contains slopes of 15% or greater: 40%

9. List and describe streams, lakes, ponds or wetlands existing within or contiguous to the project area. Give name and size of each if available:

a) Name: Croton River, Class B Stream

b) Size (in acres): N/A

10. If an application for the proposed action has been filed with the (city, town, village) agency, the following information shall be provided:

a) Name of applicant: Hugh J Greechan, Jr., P.E., Commissioner of Public Works and Transportation

b) Mailing address: 148 Martine Avenue, White Plains, NY 10601

c) Telephone number: (area code) (914) 995-2546

d) Application number, if any: N/A

11. Will the action be directly undertaken, require funding or approval by a state or federal agency? NO _____ YES X

If yes, which state or federal agency? USACE and NYSDEC Permitting

12. If the proposed action is a law, or planning or zoning document, SKIP Section "C" and go to Section "E".

C. COASTAL ASSESSMENT:

The Waterfront Revitalization Area (WRA) Boundary for the Village of Croton-on-Hudson coincides with the municipal boundary.

YES NO N/A

1. Will the proposed action be located in, or contiguous to, or have a potentially adverse effect upon the following:

a) Significant fish or wildlife habitats?

_____ X _____

b) Scenic resources of local or statewide significance?

_____ X _____

c) Natural protective features in an erosion hazard area?

_____ X _____

If the answer to any question above is "yes", please explain in Section D any measures which will be undertaken to mitigate any adverse effects.

	<u>YES</u>	<u>NO</u>	<u>N/A</u>
2. Will the proposed action have a significant effect upon:			
a) Commercial or recreational use of fish and wildlife resources?	_____	<u>X</u>	_____
b) Scenic quality of the coastal environment?	_____	<u>X</u>	_____
c) Development of future or existing water dependent uses?	_____	<u>X</u>	_____
d) Operation of the State's major ports?	_____	<u>X</u>	_____
e) Land or water uses within a small harbor area?	_____	<u>X</u>	_____
f) Stability of the shoreline?	_____	<u>X</u>	_____
g) Surface or groundwater quality?	_____	<u>X</u>	_____
h) Existing or potential public recreation opportunities?	_____	<u>X</u>	_____
i) Structures, sites or districts of historic, archeological or cultural significance to the (city, town, village), State or nation?	<u>X</u>	_____	_____
3. Will the proposed action involve or result in any of the following:			
a) Physical alteration of land along the shoreline, land under water or coastal waters?	<u>X</u>	_____	_____
b) Physical alteration of two (2) acres or more of land located elsewhere in the coastal area?	_____	<u>X</u>	_____
c) Expansion of existing public services or infrastructure in undeveloped or low density areas of the coastal area?	_____	<u>X</u>	_____
d) Energy facility not subject to Article VII or VIII of the Public Service Law?	_____	<u>X</u>	_____
e) Mining, excavation, filling or dredging in coastal waters?	_____	<u>X</u>	_____
f) Reduction of existing or potential public access to or along the shore?	_____	<u>X</u>	_____
g) Sale or change in use of publicly-owned lands located on shoreline or under water?	_____	<u>X</u>	_____
h) Development within a designated flood or erosion hazard area?	<u>X</u>	_____	_____
i) Development on a beach, dune, barrier island or other natural feature that provides protection against flooding or erosion?	_____	<u>X</u>	_____
j) Construction or reconstruction of erosion protective structures?	_____	<u>X</u>	_____
k) Diminished surface or groundwater quality?	_____	<u>X</u>	_____
l) Removal of ground cover from the site?	<u>X</u>	_____	_____

4. Project	<u>YES</u>	<u>NO</u>	<u>N/A</u>
a) If project is to be located adjacent to shore:			
1. Will water-related recreation be provided?	_____	<u>X</u>	_____
2. Will public access to the foreshore be provided?	_____	<u>X</u>	_____
3. Does the project require a waterfront site?	_____	<u>X</u>	_____
4. Does it supplant a recreational or maritime use?	_____	<u>X</u>	_____
5. Do essential public services and facilities presently exist at or near the site?	_____	<u>X</u>	_____
6. Is it located in a flood prone area?	<u>X</u>	_____	_____
7. Is it located in an area of high erosion?	_____	<u>X</u>	_____
b) If the project site is publicly owned:			
1. Will the project protect, maintain and/or increase the level and industrial facilities into coastal facilities?	_____	<u>X</u>	_____
2. If located in the foreshore, will access to those and adjacent lands be provided?	_____	<u>X</u>	_____
3. Will it involve the siting and construction of major energy facilities?	_____	<u>X</u>	_____
4. Will it involve the discharge of effluent from major steam electric generating and industrial facilities into coastal facilities?	_____	<u>X</u>	_____
c) Is the project site presently used by the community neighborhood as an open space or recreation area?	<u>X</u>	_____	_____
d) Does the present site offer or include scenic views or vistas known to be important to the community?	<u>X</u>	_____	_____
e) Is the project site presently used for commercial fishing or fish processing?	_____	<u>X</u>	_____
f) Will the surface area of any waterways or wetland area be increased or decreased by the proposals?	<u>X</u>	_____	_____
g) Does any mature forest (over 100 years old) or other locally important vegetation exist on this site which will be removed by the project?	_____	<u>X</u>	_____
h) Will the project involve any waste discharges into coastal waters?	_____	<u>X</u>	_____
i) Does the project involve surface or subsurface liquid waste disposal?	_____	<u>X</u>	_____
j) Does the project involve transport, storage, treatment or disposal of solid waste or hazardous materials?	_____	<u>X</u>	_____
k) Does the project involve shipment or storage of petroleum			

products?

_____ X _____

4. Project (continued)

YES NO N/A

l) Does the project involve discharge of toxic hazardous substances or other pollutants into coastal waters?

_____ X _____

m) Does the project involve or change existing ice management practices?

_____ X _____

n) Will the project affect any area designated as a tidal or freshwater wetland?

_____ X _____

o) Will the project alter drainage flow, patterns or surface water runoff on or from the site?

_____ X _____

p) Will best management practices be utilized to control storm water runoff into coastal waters?

 X _____ _____

q) Will the project utilize or affect the quality or quantity of sole source or surface water supplies?

_____ X _____

r) Will the project cause emissions which exceed federal or state air quality standards or generate significant amounts of nitrates or sulfates?

_____ X _____

D. REMARKS OR ADDITIONAL INFORMATION.

For questions answered “yes” in Section C, explain methods you will undertake to reduce adverse effects. Review the LWRP to see if the project is consistent with each policy. List policies the project is not consistent with and explain all mitigating actions.

(Add any additional sheets necessary to complete this form)

See the attached memo.

E. SUBMISSION REQUIREMENTS.

The final version of this form shall be sent to the Department of State (*New York State Dept. of State, Coastal Management Program, 162 Washington Avenue, Albany, NY 12231*) if any question in Section C is answered “yes” and either of the following conditions is met.

- Section B.1 (a) or B.1 (b) is checked **OR**
- Section B.1 (c) and B.11 is answered “yes”

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If assistance or further information is needed to complete this form, please contact the Village Engineer at (914) 271-4783.

Preparer’s Name: Melanie C. Osterhout, P.E.

Title: President/Project Manager

Agency: OSPA Engineering Services, PC

Telephone No.: (518) 636-9956 E-mail: mosterhout@ospaengineering.com

Date: 7/24/2025



OSPA Engineering Services, PC
1533 Crescent Road, Suite A
Clifton Park, NY 12065
Phone: (518) 636-9956
Fax: (518) 885-8006

Memorandum

To: NYSDOS
CC: file
From: Melanie Osterhout, PE
Date: 8/13/2025
Project #: 486-0-0
Re: Quaker Bridge Road Bridge Replacement Project

NYSDOS POLICY EXPLANATIONS

C.2(g). Structures, sites or districts of historic, archeological or cultural significance to the State or Nation.

One historic property, eligible for inclusion in, or listed on, the State or National Register of Historic Places, has been identified within the project's area of potential effect on OPRHP's CRIS. The property includes the Quaker Road Bridge (BIN 3348560, USN # 11902.000021). The project area and surrounding areas are located within an archaeologically sensitive area. Additionally, according to the Full Environmental Assessment Form (EAF) the project is within the vicinity of the Croton Aqueduct and the project area is also within the Critical Environmental Area, County and State Parks Lands in Westchester County for exceptional or unique character. A crossing has been present at the project location since at least 1892.

Hartgen Archeological Associates, Inc. conducted a study that identified the bridge as architecturally significant, recognizing it as a rare and outstanding example of a late nineteenth-century Pratt Truss bridge. Constructed in 1894 by the New York City firm Dean and Westbrook, the bridge retains an exceptional degree of historical integrity. Originally built as part of the Croton Turnpike Company's 1807 initiative to construct roads and bridges, the Quaker Bridge Road Bridge stands out as the earliest example of its kind in Westchester County.

While its original structure dates to 1894, the bridge underwent several modifications over time. In 1938, the original guard rails were replaced, and in 1977, further alterations introduced corrugated beam style railings. A comprehensive rehabilitation in 2009 included painting, repairs to the wing walls and abutments, structural improvements, and other minor replacements.

The majority of project work will occur within the existing bridge and right-of-way. A total of 5418 SF of temporary easements will be required for access and removal of the existing structure and 1440 SF of fee acquisitions for the new structure construction. The project has been submitted to OPRHP for a finding of effect and they have requested that a Memorandum of Understanding be submitted for their review and concurrence for the removal of the existing bridge.

C. 3(a). Physical alteration of land along the shoreline, land under water or coastal waters?

The project area is located along the banks and within the Croton River. The project proposes the removal of 76 trees in the project area and impacts below the ordinary high water of the Croton River. These impacts include 550 CY of stone fill placed within 2,290 SF. In total, 250 LF of the river will be impacted. Over 100 trees are proposed to be placed in the project area as mitigation, including live stakes of Black Willow along the banks. In addition, stone slope protection will be utilized to prevent erosion.

C. 3(h). Development within a designated flood or erosion hazard area.

The project area is located within the regulatory floodway, the 100-year floodplain and the 500-year floodplain of the Croton River per the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) in Westchester County, New York, Panel 36119C0128F dated 09/28/2007. This project is a functionally dependent use of the floodplain as it must occur in close proximity to water since it is a road crossing over the Croton River. A hydraulic analysis has determined that the proposed action will have no impact to the 50- and 100-year storm event water surface elevations of the Croton River.

C. 4(a)6. Is it located in a flood prone area?

The project area is located within the regulatory floodway, the 100-year floodplain and the 500-year floodplain of the Croton River per the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) in Westchester County, New York, Panel 36119C0128F dated 09/28/2007. This project is a functionally dependent use of the floodplain as it must occur in close proximity to water since it is a road crossing over the Croton River. A hydraulic analysis has determined that the proposed action will have no impact to the 50- and 100-year storm event water surface elevations of the Croton River.

C.4.c) Is the project site presently used by the community neighborhood as an open space or recreation area?

The project site is currently part of the Croton Trail System, which includes trails extending southwest, northwest, and northeast of the Quaker Road Bridge. The adjacent Croton River is also used for recreational fishing by the community. Currently, the bridge is closed and therefore does not provide access to the trail system. While the project will temporarily affect access to the trail system, since the bridge serves as a key link across the Croton River, these trails will be reestablished once construction is complete. Additionally, the new bridge will feature a 5-foot-wide shoulder to enhance pedestrian safety through the site

C.4.d) Does the present site offer or include scenic views or vistas known to be important to the community?

The site offers scenic views that are valued by the community. It features a dense canopy of deciduous trees and a 120-year-old Pratt Truss bridge which is eligible for listing on the National Register of Historic Places. The bridge is supported by laid-up stone abutments spanning the Croton River which contains natural boulders and cobbles. From the bridge, one

can also view a low head dam and the impounded pond located approximately 600 feet upstream.

To facilitate construction, approximately 56 trees on the Village of Croton-on-Hudson property will be removed, and the existing truss bridge and stone abutments will be replaced. To mitigate the impact on these cherished community features, the project proposes a similarly shaped Pratt Truss superstructure supported by concrete abutments with aesthetic treatments designed to replicate the appearance of stained laid-up stone.

In addition, the project will provide 79 new trees to the Village, including 35 planted on-site, to compensate for those removed. The County will also donate elements of the existing bridge to local municipalities and has prepared a Historic American Engineering Record, which includes photographs, available as-built plans, and historical commentary to ensure the bridge's legacy is preserved.

C.4.p) Will best management practices be utilized to control storm water runoff into coastal waters?

Best management practices will be implemented to control stormwater runoff into coastal waters. During construction, silt fences, turbidity curtains, and cofferdams will be used to prevent runoff from disturbed areas from entering the Croton River. The project also includes permanent stabilization measures such as erosion control mats, live stakes, and stone fill to reinforce the proposed grading and minimize long-term erosion.