



US Army Corps
of Engineers®
New York District



Westchester County Streams, Byram River Basin Flood Risk Management Feasibility Study

Draft Integrated Feasibility Report & Environmental Impact Statement

WHAT IS THIS STUDY?

The U.S. Army Corps of Engineers (USACE), in partnership with the Town of Greenwich, CT, conducted a flood risk management feasibility study to manage the fluvial flooding from the Byram River. USACE considered a range of nonstructural and structural measures that have the potential to reduce flood damages in Greenwich, CT, the basin's most frequently flooded and densely populated locality, and Port Chester, NY. The Draft Integrated Feasibility Report and Environmental Impact Statement presents the results of the study team's evaluation of various alternatives to manage the risk of damages caused by frequent fluvial flooding.



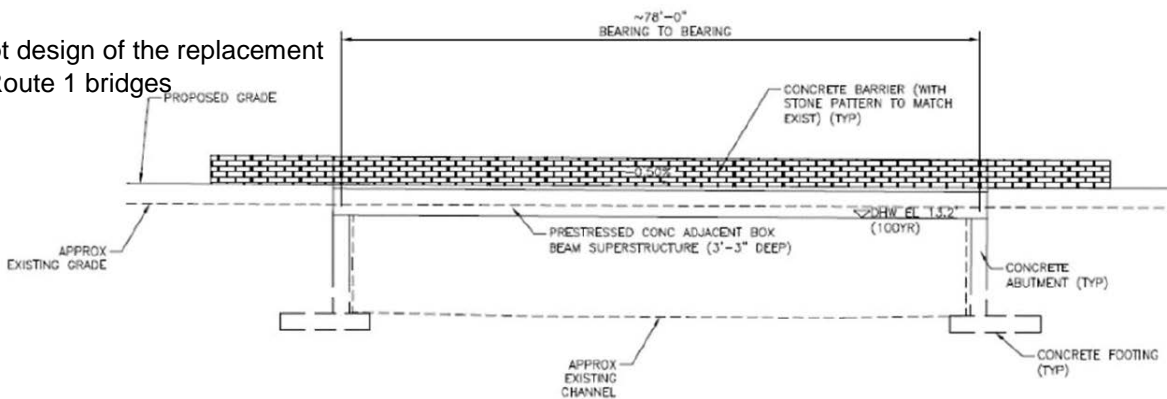
PROPOSED PLAN

The Tentatively Selected Plan for flood risk management at Byram River is Alternative 5, removing the Route 1 bridges that straddle the Byram River in Port Chester, NY and replacing them at a higher elevation to allow more water to pass underneath.

The wide piers supporting the current bridges and the low road profile constrict the flow of water; this causes water to build up behind the bridge, increases the water surface elevation, and causes properties to flood.

The Route 1 bridges would be replaced with two bridges in the same location that have roadway profiles about three feet higher than the existing profiles and do not have center piers. The plan also includes minor channel improvements to remove accumulated sediment and scour protection. The proposed plan would decrease the extent of the floodplain and reduce the water surface elevation behind the bridges during storm events, resulting in a decreased risk of damages.

Concept design of the replacement of the Route 1 bridges



PUBLIC REVIEW PERIOD

★ 6 July – 20 August 2018 ★

DRAFT REPORT LOCATION:

www.nan.usace.army.mil/Byram

SEND US COMMENTS AT:

byram.river@usace.army.mil

Or

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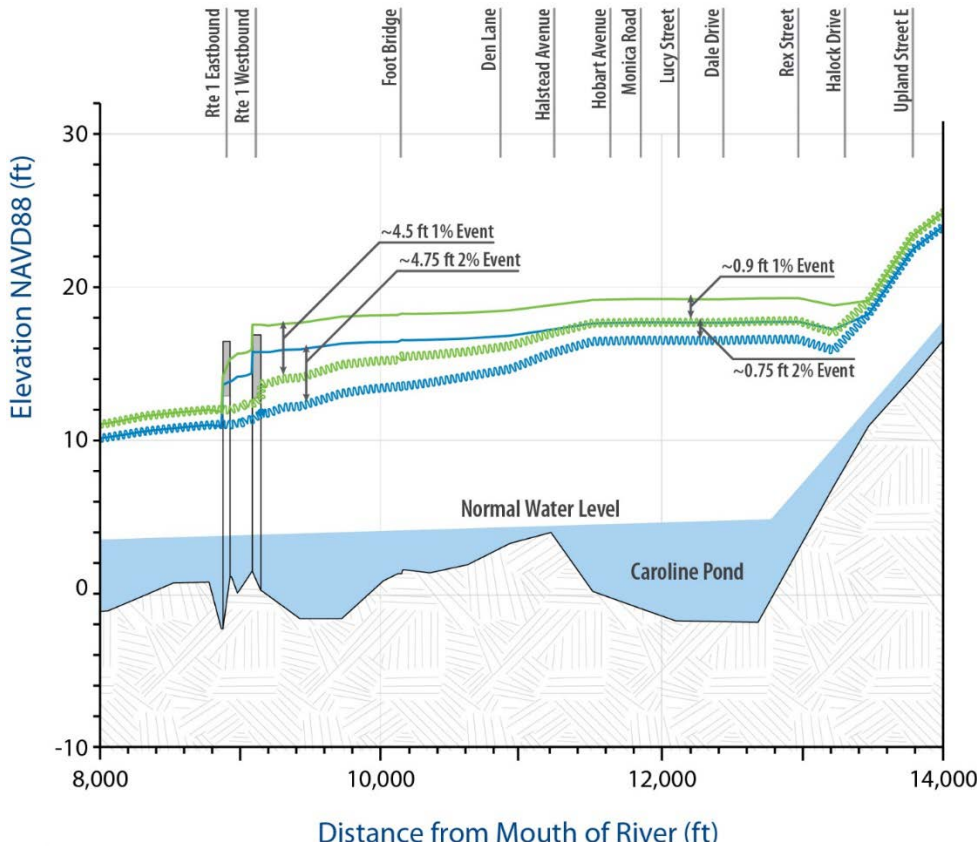
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Town of Greenwich, CT

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PROPOSED VS. EXISTING WATER SURFACE ELEVATIONS



BENEFITS OF THE PROPOSED PLAN INCLUDE:

- Reduced risk of flooding and consequent damages for the majority of structures almost a mile north of the U.S. Route 1 bridges
- Decreased depth of flooding during a 1-percent flood event by 0 – 4 feet
- Improved road access for emergency vehicles to reach people and utilities during and after storm events
- Increased community resilience

WATER SURFACE ELEVATIONS

— Existing 2% Storm Event - - - Proposed 2% Storm Event — Existing 1% Storm Event - - - Proposed 1% Storm Event

MILESTONE	DATE
Draft Report Released	28 Jun 2018
Comment Period Ends	20 Aug 2018
Final Report	Summer 2019
Chief's Report	Spring 2020