

Bayville Bridge Update December 15, 2017

Inspection

A brief summary of the inspection results (started in July and just completed with divers inspection):

Superstructure: Bridge is structurally sound, however significant repairs needed throughout the bridge, including:

Concrete spalling on beam encasements which is caused by rust in the steel girders, the bascule span needs painting, some steel repairs and deck repairs are needed, the mechanical system has worn sections and is underpowered, the electrical system is functional but should be upgraded.

Sub-Structure: The piers are sound but need to be repointed in the tidal zone. The fender system is significantly deteriorated with numerous missing sections.

Design

The design will consider rehabilitation of the bascule span and rehabilitation or replacement of the approach spans. The mechanical system and electrical systems will be upgraded. The piers will be rehabilitated and the fenders system replaced.

Schedule

It is anticipated that the preliminary design will be reviewed and approved by NYSDOT by May, 2018 and Final biddable plans by September, 2018. This is contingent upon timely reviews by NYSDOT. Bidding process is anticipated in Late 2018 and after the County's approval process, Bid Award is expected in March-April, 2019.

Construction

Anticipated duration is starting in Spring 2019 through the end of 2020. Most of the work can be performed with either two lanes or one lane open (traffic signal controlled one way alternating traffic). Depending upon the extent of the mechanical and electrical work, there may be a month or more where the bridge will be required to be closed to marine traffic. Work will be scheduled accordingly.

Cost

The cost of construction is estimated at \$10M, 80% of this cost will come from Federal Fund.