

# MAJOR REHABILITATION EVALUATION STUDY

## Cape Cod Canal Bridges



US Army Corps  
of Engineers



## The Major Rehabilitation Evaluation Study

The U.S. Army Corps of Engineers (USACE), New England District is conducting a multi-year Major Rehabilitation Evaluation (MRE) Study of the Bourne and Sagamore highway bridges spanning the Cape Cod Canal to evaluate their current condition and determine whether standard operation and maintenance, major rehabilitation or replacement of both bridges will provide the most reliable, fiscally responsible solution for the future.

### Why a Major Rehabilitation Evaluation Study?

- Based on rigorous inspection history and required when infrastructure maintenance construction costs are anticipated to exceed \$20 million and will take more than 2 years of construction to complete
- Identifies potential operational and reliability issues for a 50-year period
- Identifies opportunities for efficiency improvements and fiscally responsible spending
- Results in Major Rehabilitation Evaluation Report recommending Final Plan

### Components of the MRE Study

There are four pillars of evaluation in the study:

#### Structural engineering evaluation

Perform risk and reliability analysis

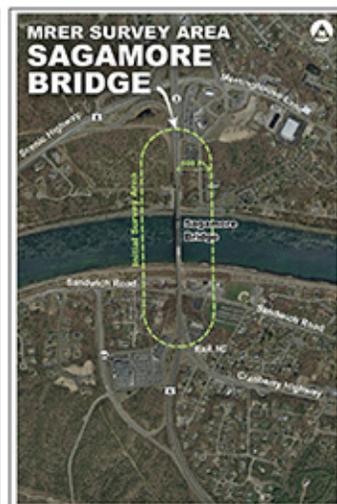
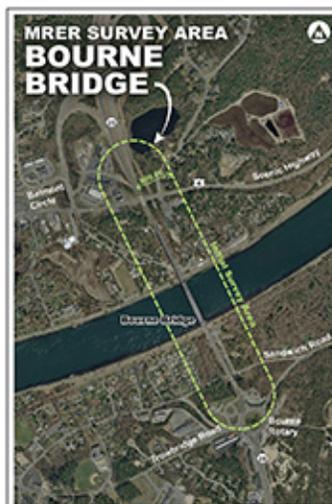
#### Cost engineering

#### Economic evaluation

Benefit to cost ratio determination

#### Environmental compliance

Assess potential environmental effects as required by the National Environmental Policy Act of 1969 (NEPA)



### Better Results through Cooperation

The USACE is working with Federal and State partners, federally recognized Tribes, and local stakeholder groups to get technical and regional input for development of the MRE Study



To learn more about the study, please visit the project website:  
[www.CapeCodCanalBridgesStudy.com](http://www.CapeCodCanalBridgesStudy.com)