

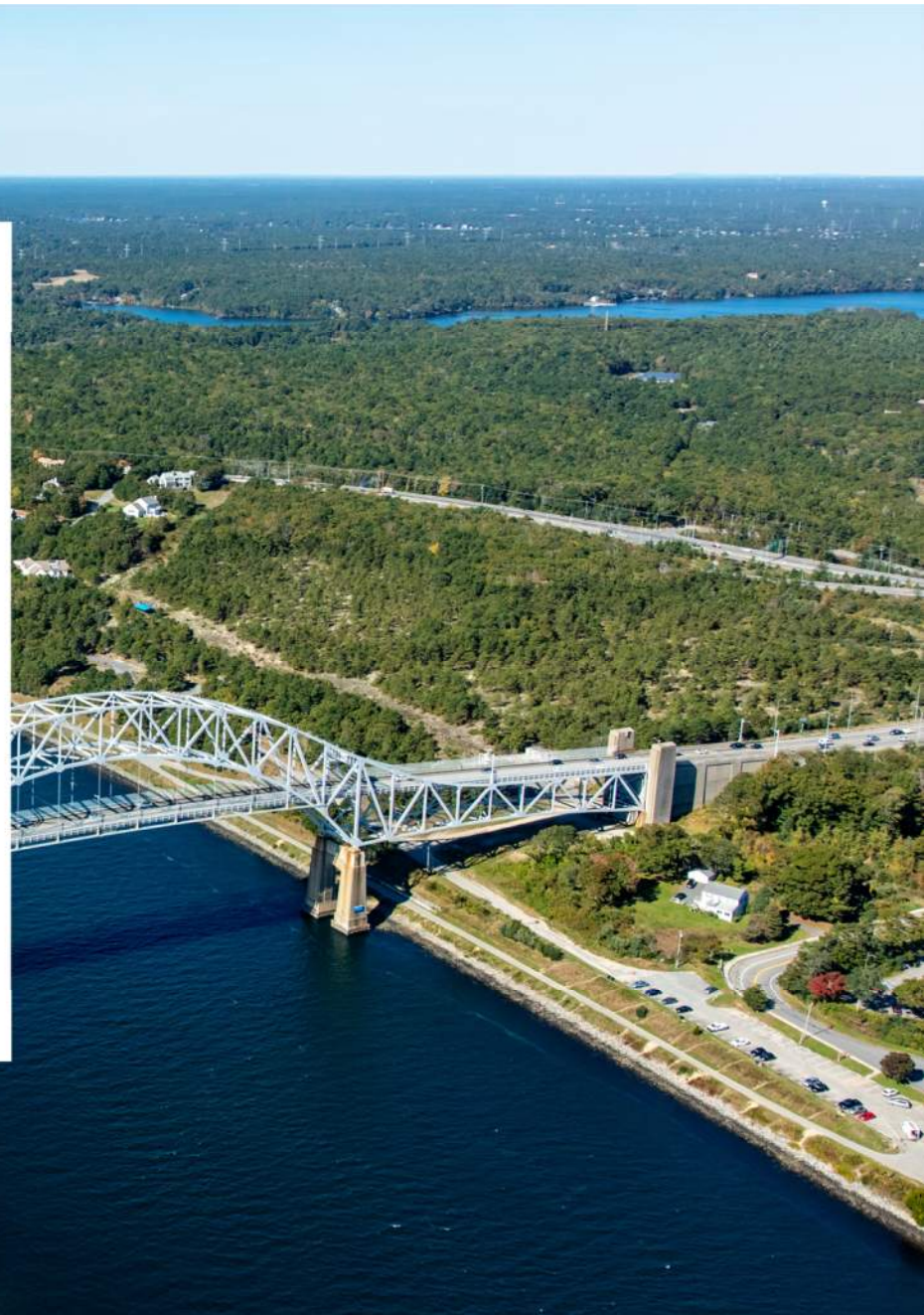


ACEC/MA-CIM Cape Cod Canal Bridges Project Briefing

*Cape Cod Canal Area Transportation
Improvement Program*

May 7, 2021

Project File No. 109114



Agenda

- Introductions
- Program Schedule
- Program History
- Public Involvement
- Permitting & Design
- Construction
- Funding





Program Schedule

Schedule Considerations

- Approximate time frames:
 - **5 – 10 years:** Design/Environmental Permitting/ROW
 - **5 – 7 years:** Construction
- Factors that will influence schedule:
 - Identification of Construction Funding
 - Identification of Lead Federal Agency
 - Determination of NEPA Class of Action
 - Public Support
 - Packaging of Construction Contracts
 - Construction Procurement Methodology
- Opportunity for public input throughout process
- USACE will continue maintenance activities on the existing bridges



Program's High-Level Schedule



2021:

Continue public involvement process



2021 – 2027:

Alternatives development, preliminary design, environmental permitting



2028 – 2034:

Final design and construction





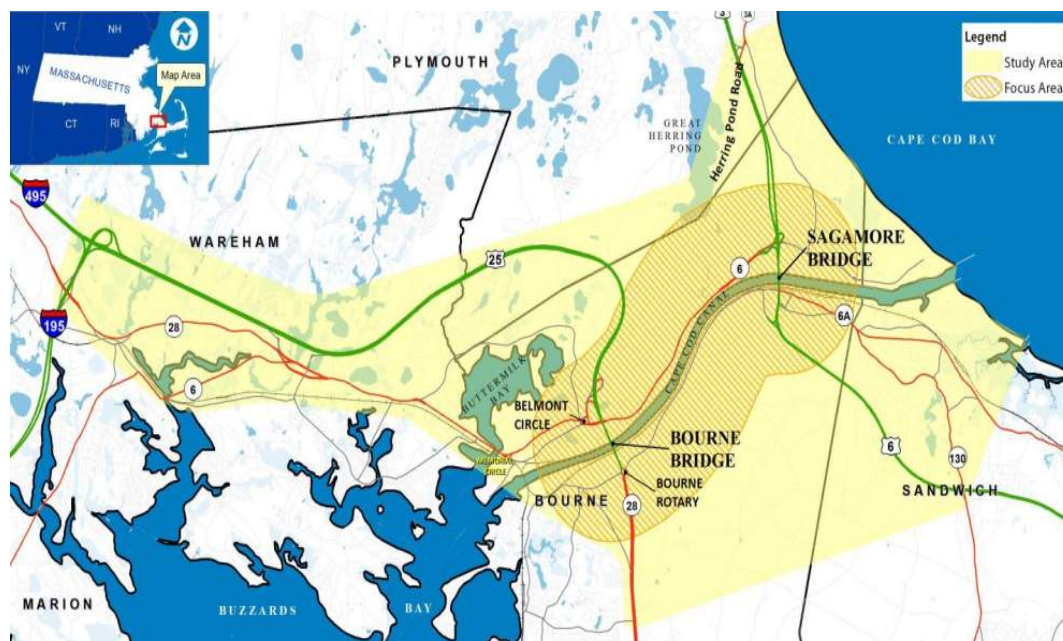
Program History

Program History

MassDOT Cape Cod Canal
Transportation Study (October
2019)

US Army Corps of Engineers'
Major Rehabilitation Evaluation
(MRE) Study

Memorandum of Understanding
(MOU) between USACE and
MassDOT Signed July 7, 2020
([Press Release](#))





Public Involvement

Public Involvement Schedule – Year Look Ahead

- **Round 1: Summer 2021**
 - Field Investigations data collection
 - Regional transportation improvements needs
 - Program scope and timeline
- **Round 2: Fall 2021**
 - Draft Purpose and Need
 - Draft Measures of Effectiveness
 - Data Analyses
- **Round 3: Spring 2022**
 - Draft Measures of Effectiveness Criteria
 - Initial range of alternatives
 - Bridge types
- **Round 4: Summer 2022**
 - Alternatives
- **Round 5: Fall 2022**
 - Alternatives Rankings





Design and Permitting

Data Collection

- Data Collection
 - Field Survey (December 2019 - March 2021)
 - Wetland Delineation (April 2020 – July 2020)
 - Vernal Pool studies (May 2020)
 - Rare Threatened and Endangered Species (July 2020)
 - Traffic Counts (August 2020)
 - Geophysical Explorations (February 2021)
 - Geotechnical Borings (scheduled to begin Spring 2021)



Alternatives Development

- Bridge and roadway design alternatives will be informed by previous MassDOT and USACE studies
- A robust public process will accompany alternatives development
- The preferred alternative will be identified through the NEPA review process



Environmental Review and Permitting

- There are many sensitive environmental and cultural resources within the Program area
- The Program will require significant state and federal environment review and permitting
- The extent of environmental permitting will be determined as impacts are identified
- NEPA class of action has not been determined
- Class of action will be informed by Lead Federal Agency, alternatives analysis, extent of impacts, and level of support





Construction

Construction

- A construction contract procurement approach has not been determined
- Construction period impacts will be determined through design development
- Construction schedule, duration and impacts will be communicated to elected officials, stakeholders and the public





Funding

Funding

- **2021 Capital Investment Plan**
 - Cape Cod Canal Infrastructure Design Study
 - 2021 - \$12 Million
 - After 2021 - \$8 Million
- **‘CARES ACT 2’ Federal Stimulus Package**
 - “The Secretary shall expedite the completion of a feasibility study for each of the following projects:”
 - “Project to replace the Bourne and Sagamore Bridges, Cape Cod, Massachusetts”.
 - Does not include a project specific link to federal funding
- **2021 Massachusetts Transportation bond bill - \$350 Million**

