

Cape Cod Canal Bridge Closure Economic Impact Analysis

CAPE COD COMMISSION

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CAPE COD
COMMISSION

Key Research Questions



GOODS & SERVICES

How would the supply chain be disrupted and what would be the impact on the cost of **goods and services** on the Cape and Islands?



VISITATION

What would be the **impact on visitation** to the region and the overall tourism-based sectors of the region's economy?



LOCAL BUSINESSES

What would be the impact on **local businesses** given the constraints related to access to goods, services, and off-Cape workers?



TAX REVENUES

What would be the **loss of tax revenue** to local, state, and federal governments due to economic losses resulting from closure in the short and long term?



OTHER IMPACTS

What would be the impacts related to the **disruptions of activities** that are not as directly tied to the economy, but impactful to daily life of Cape residents?

Closure Scenarios

SCENARIO A

MAJOR REHABILITATION

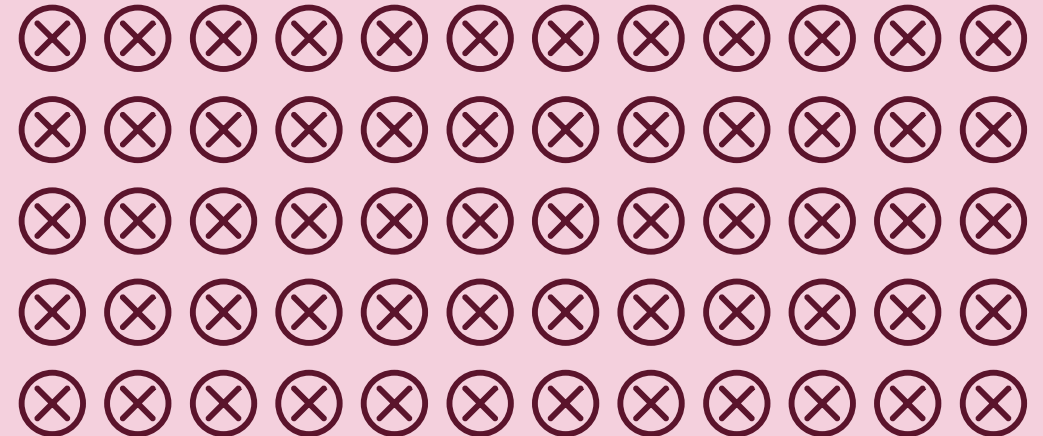
Complete shutdown of one bridge for **6 months** and **16 months** of lane closures



SCENARIO B

UNPLANNED CLOSURE

Complete shutdown of one bridge for **2-5 years**



ANALYSIS SCOPING

Key Inputs



EXISTING
PUBLISHED
REPORTS



UNPUBLISHED
USACE
ANALYSES



CONGESTION
DATA COMPILED
BY CCC



CASE
STUDIES



STAKEHOLDER INTERVIEWS

Cape Cod Chamber of Commerce | Town of Bourne Representatives | Upper Cape Cod Regional Technical High School | Local and Regional Emergency Preparedness and Response Personnel | Cape Cod Healthcare | Emergency and Non-emergency Patient Transport Services Provider | A Selection of Major Firms Located on Cape Cod Within Various Industry Sectors

S U M M A R Y O F F I N D I N G S

Travel Delay Impacts

SCENARIO A

MAJOR REHABILITATION

Estimated traveler delay
cost of **\$530 million**
(Bourne Bridge) to **\$661**
million (Sagamore Bridge)

SCENARIO B

UNPLANNED CLOSURE

Estimated traveler delay
cost of **\$4.6 billion**
(Bourne Bridge) to **\$10**
billion (Sagamore Bridge)

SUMMARY OF FINDINGS

Impact on Visitors & Tourism Spending

SCENARIO A

MAJOR REHABILITATION

Estimated loss of **470,000 to 1.3 million visitors**, up to **\$327 million** in tourism spending and up to **\$71 million** in losses of short-term rental revenue

SCENARIO B

UNPLANNED CLOSURE

Estimated loss of **2 to 6 million visitors**, up to **\$1.4 billion** in tourism spending and up to **\$557 million** in losses of short-term rental revenue

Note: Reduction estimates based largely on literature on coastal visitor choice when faced with transportation disruptions; Short-term rental losses based on incomplete but generally representative dataset.

S U M M A R Y O F F I N D I N G S

Jobs Lost and Employee Shifts

SCENARIO A

MAJOR REHABILITATION

Up to **2,600 jobs lost** over the 22-month period due to reduction in tourism

Significant reduction in the commuters willing to travel to the Cape work

SCENARIO B

UNPLANNED CLOSURE

Up to **11,200 jobs lost** for a 5-year closure due to reduction in tourism

Critical reduction in the commuters willing to travel to the Cape work

Note: From the U.S. Army Corps MRER; in FY2020 dollars; jobs reduction due to tourism reduction; does not include job losses related to commuter delays; further analysis planned.

S U M M A R Y O F F I N D I N G S

Tax Revenue Impact

SCENARIO A

MAJOR REHABILITATION

Estimated loss of up to
\$48 to \$58 million in tax
revenue over the 22-
month period

SCENARIO B

UNPLANNED CLOSURE

Estimated loss of up to
\$254 million in total with
a 5-year closure

Note: Includes losses of local, county, state, and federal governments tax revenues.

SUMMARY OF FINDINGS

Summary of Monetized Impacts

SCENARIO A

MAJOR REHABILITATION

Traveler Delay Cost	\$530-\$661 million
Loss of Tourism Revenue	Up to \$371 million
Loss of Short-term Rental Revenue	Up to \$71 million
Loss of Tax Revenue	Up to \$48 million

SCENARIO B

UNPLANNED CLOSURE

Traveler Delay Cost	\$4.6 - \$10 billion
Loss of Tourism Revenue	Up to \$1.4 billion
Loss of Short-term Rental Revenue	Up to \$557 million
Loss of Tax Revenue	Up to \$254 million

Note: Other monetizable impacts such as real estate impacts and impacts of export of local goods not included.

SUMMARY OF FINDINGS

Highlights of Non-monetary Impacts



**MUNICIPAL
SERVICES**



**SCHOOL
TRANSPORTATION**



**EMERGENCY
MEDICAL ACCESS**



**EMERGENCY
RESPONSE**



**BUSINESS
OPERATIONS**



**EMPLOYEE
ATTRACTION**