



Broad Causeway Bridge Replacement PD&E Study

Causeway Island to East of West Broadview Drive

Alternatives Public Workshop

Financial Project ID: 452428-1-21-01
 Efficient Transportation Decision Making (ETDM) Number: 14520
 Town of Bay Harbor Islands Number: BC-160
 Bridge Number: 875101
 Miami-Dade County, FL



Advantages

Disadvantages

No Build Alternative



- No construction
- No impacts to environmental resources
- Maintains roadway slope
- Lowest short-term cost (\$72.4M)

- Substandard roadway lane widths and pedestrian accommodations
- Bridge will continue to deteriorate and will be decommissioned at end of estimated 25 year lifespan
- Potential for bridge closures and detours from machinery failure
- Frequent bridge openings and wait times for vehicular and marine traffic
- Bridge condition may affect emergency evacuation

Alternative 1



High-Level Fixed Bridge

- New bridge (estimated 75 year lifespan)
- No bridge openings or wait time for vehicle and marine traffic
- No impacts to Sovereign Submerged lands
- Lower impact to Essential Fish Habitat
- Lowest Build Alternative cost (\$225.2M)

- 65-foot bridge - Steeper roadway and multi-use path slopes
- 65-foot bridge - More visual impacts to businesses and residents

Alternative 2



Mid-Level Movable Bridge

- New bridge (estimated 75 year lifespan)
- 40-foot bridge - Reduced roadway and multi-use path slopes
- 40-foot bridge - Less visual impacts to businesses and residents

- Bridge openings and wait times for vehicular and marine traffic
- Impacts to Sovereign Submerged lands
- Higher impact to Essential Fish Habitat
- Highest Build Alternative cost (\$424.2M)