

5TH ANNUAL CAPE COASTAL CONFERENCE

Implementing Coastal Resilience Projects: Challenges and Lessons Learned

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Massachusetts Coastal Zone Management

CZM Coastal Resilience Grant Program

Types of projects

- Vulnerability and Risk Assessment
- Public Education and Communication
- Adaptation Plans and other Management Measures
- Redesign and Retrofits
- Natural Storm Damage Protection Techniques

Coastal Resilience Projects to date:

- Began program in 2014
- Funded \$11,123,468 state wide
- Funded 30 projects on Cape Cod and Islands, for \$3,328,427
- Awarded grants to 12 of 15 Cape towns
- Awarded grants to 5 of the 8 Island towns

Coastal Resilience Projects Represent **CHANGE!**

- Many coastal resilience projects represent change in use, look or location of coastal infrastructure
- Communities frequently resist change
- Many resilience projects require **EXTENSIVE** community outreach to be successful

Breakwater Beach Parking Relocation Project, Brewster

- 2014 Coastal Resilience Project, \$155K
 - Relocate 30 parking asphalt parking spaces
 - Restore coastal dune habitat
 - Construct stormwater treatment system
 - Construct seasonal access ramp over dunes

"Save" Breakwater Beach



Petitioners seek special town meeting

To stop Breakwater Beach plan

By Bob Chisholm

BREAKWATER — Town meetings are so much fun, aren't they? Well, not if you're a resident of Breakwater Beach, where a special town meeting is being called to stop the town's plan to develop the beach.

Actually, it's not so much fun, but the town is asking for a special town meeting to stop the town's plan to develop the beach. The town is asking for a special town meeting to stop the town's plan to develop the beach.

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of Coastal Zone Management. Work would begin Sept. 8, and end by Nov. 15. Breakwater Beach would be a 10-acre beach, and the town would be responsible for its maintenance.

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Resilience Projects Present Unique Regulatory Challenges

- Frequently involve habitat conversion and multiple competing coastal resource area interests.
- Frequently conflict with many existing regulations
- Require close consultation with State and Federal permitting agencies

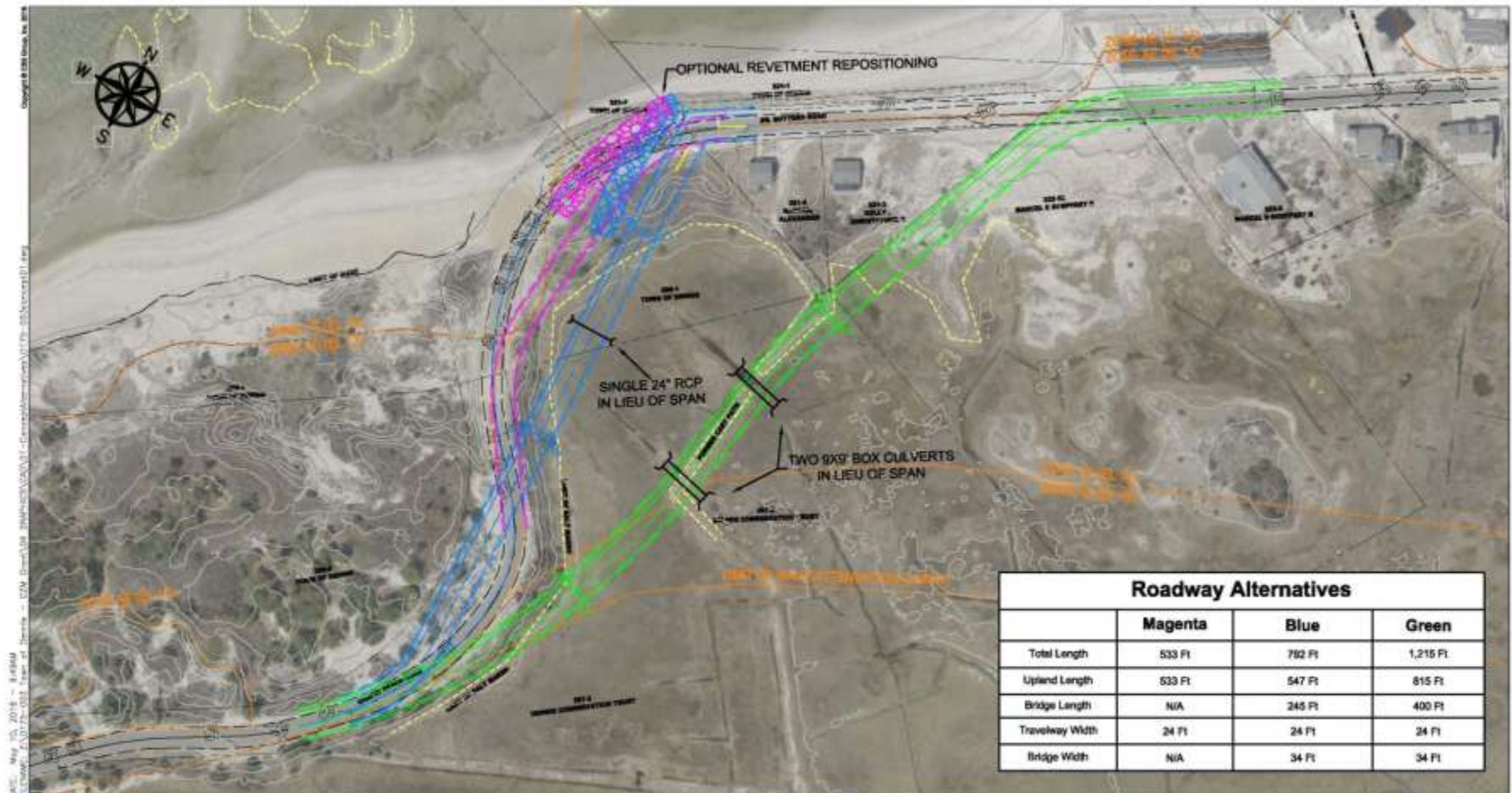
Dr. Bottero Road Protection Project, Dennis



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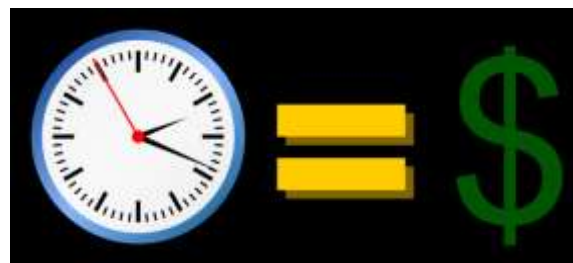
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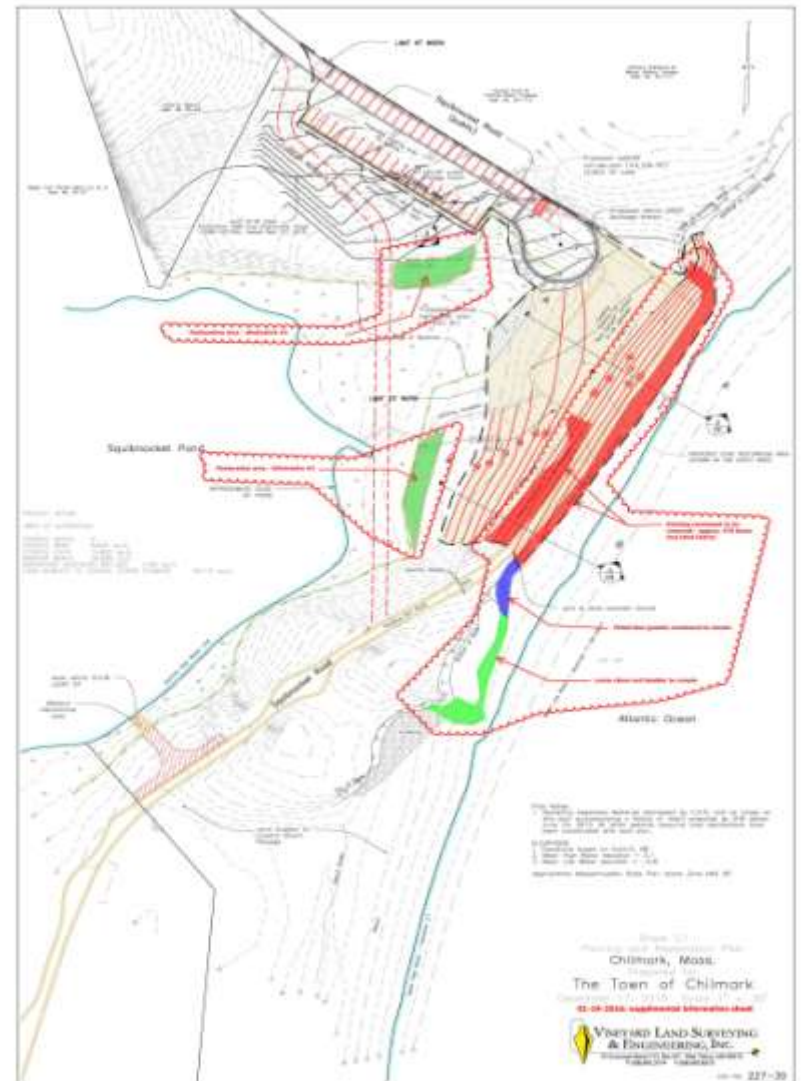
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Resilience Projects Take Time

- Due to public outreach and the challenging regulatory path, resilience projects take longer to implement than other types of coastal projects.
- Communities need to recognize this, and build this into project timelines



Squibnocket Beach Parking Lot Relocation, Chilmark



Consider Implementing Resilience Projects in Phases

- Complex projects benefit from a phased approach
- Phasing allows for greater flexibility in design and outreach
- Phased project examples:
 - Conceptual design and project outreach
 - Feasibility study and preliminary design
 - Design and permitting
 - Project implementation



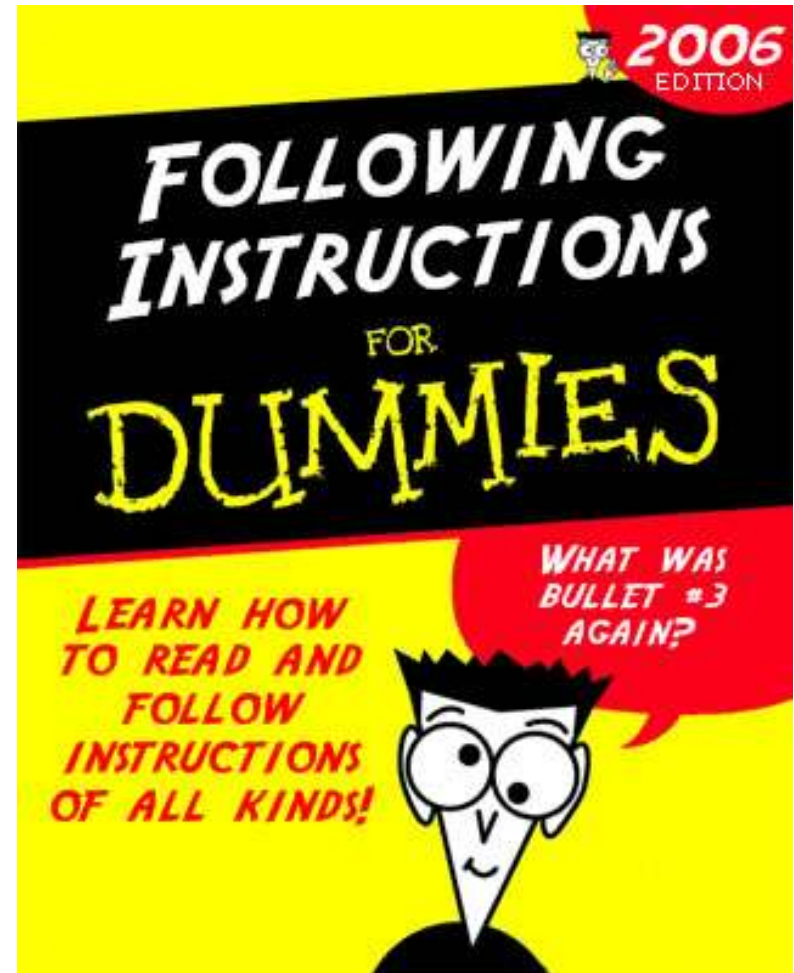
Phased Projects

- Preferred approach if seeking grant funds.
 - CZM grants usually about 8-11 months long
 - Results in a more accurate project budget
 - Allows greater project flexibility



Read and Understand Grant RFR Requirements

- Grant applications should clearly articulate how their proposal meets all RFR requirements
- Will result in a more competitive proposal and more likely to be funded



Advance Planning with CZM

- CZM can provide project specific consultation prior to release of the RFR.
- Technical assistance
- Provide permitting guidance and facilitation

