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Date: April 10, 2019

To: John Grande, Tisbury Town Administrator

From: John Ramsey

Subject: Progress Update for Tisbury

Task	Scheduled	Completed
Task 1a. Kick-off Meeting	09/15/2019	100%
Task 1b. Site-specific Analysis of Coastal Flooding	09/01/2019 to 02/28/2020	100%
Task 2. Quantitative Analysis of Coastal Change and Sediment Transport Processes	10/01/2019 to 03/15/2020	100%
Task 3. Initial Engineering Analysis to Screen Alternatives	01/01/2020 to 04/30/2020	70%
Task 4a. Working Session #1	04/15/2020	0%
Task 4b. Prioritize Shore and Flood Protection Strategies	01/01/2020 to 04/30/2020	40%
Task 4. Working Session #2	05/31/2020	0%
Task 6: Draft Report	05/01/2020 to 06/01/2020	15%
Task 7: Final Report	06/15/2020 to 06/30/2020	0%

To best provide the Town of Tisbury with mitigation measures and protection strategies, Applied Coastal (AC) considered the major vulnerabilities the Town faces. AC consulted the recent Municipal Vulnerability Program study in selecting these major vulnerabilities, which include:

- Flooding (With Additional Sea Level Rise)
- Shoreline Change
- Storm Damage to Downtown Infrastructure

Applied Coastal then considered options to address each of these vulnerabilities. Most of these alternatives will mitigate for multiple vulnerabilities. The alternatives considered include:

- Elevate low-lying sections of Lagoon Pond Road
- Elevate Beach Road to extent practicable
- Address potential flooding through tidal culverts
- Install dune/nourishment along waterfront from Steamship Authority to Packer Facility, as well as north of Steamship Authority
- Elevate low-lying buildings
- Elevate Owen Park parking lot
- Extend Eastville Jetty
- Extend Vineyard Haven Harbor Breakwater

Some of these alternatives were included in Figure 1 to provide a sense of location and scale. Applied Coastal will continue to optimize alternatives and select a set of preferred alternatives that minimize impact and best mitigate vulnerabilities. Results from this alternatives analysis and optimization will be used moving forward as Applied Coastal prepares a report for the Town. Due to ongoing social distancing concerns, it is anticipated that public meetings related to the project will be delayed until June or July.



Figure 1 Location of several considered mitigation measures for Vineyard Haven Harbor.