

1. Discussion Objective:

Work Session Date: January 21, 2014

Presentation by Coast and Harbor Engineering of the Fort Myers Beach Coastal Management Plan.

2. Submitter of Information:

- Council
- Town Staff
- Town Attorney

3. Estimated Time for this item:

60 minutes

5. Background: Coast and Harbor Engineering have completed the long-term Fort Myers Beach Coastal Management Plan (CMP) that provides information for coastal management of Estero Island and will present the results. The CMP incorporates coastal dynamics information for Estero Island, Big Carlos Pass, and Matanzas Pass. The study has gathered data from beach profile surveys and bathymetric surveys of the beach, nearshore, and inlets that affect coastal processes on Estero Island. This survey information was combined with various existing and historical data to create numerical modeling to validate hypotheses on forces controlling shoreline erosion and accretion and to develop a basis for evaluation of alternatives. These models include wave transformation models, tidal current flow models, sediment transport models, and shoreline and beach response models to determine historical, current, and projected future conditions of Estero Island. The CMP also analyzes different coastal management options which the Town can evaluate and incorporate with the objective of stabilizing the shoreline and reducing the impact of erosion on Island infrastructure. The evaluation of the alternatives and the selection of the preferred alternatives, and a preliminary design and cost estimates are also included. A copy of the final report will be provided upon receipt which is anticipated prior to January 21, 2014.

Town Manager	Town Attorney	Finance Director	Public Works Director	Community Development Director	Parks & Recreation Director	Town Clerk
						