



MEMORANDUM

Date: As of 30 November, 2014
To: Marine Advisory Committee
From: Matthew Logan, Project Manager
Subject: **November MSBU Project Update**

Ackerman Waterway: Refer to Manchester Waterway.

Alligator Creek: The project includes the removal of the existing silt to the existing permitted conditions (-5ft MLW) and pursue permits to increase the depth of the Access/Main channel to -6ft MLW via a separate project. Coastal Engineering Consultants is assisting the County with the engineering and permit process. The FDEP permit was received for the -5ft MLW maintenance dredge project. The FDEP permit was received for the -6ft MLW project which includes public interest in the form of purchasing and donating an YSI Water Quality Monitor to the Friends of CHAP. The ACOE has combined the two projects even though they are different in their scope. The federal review is underway including consultation with NMFS.

Buena Vista Area Waterways: Johnson Engineering was selected to provide services for project and is currently reviewing the pre-existing permits and documents. They have completed the Survey after having to resurvey some areas and preliminary design is complete. A pre-application meeting was held with the FDEP on July 8. FDEP was not able to issue on behalf of the ACOE. ACOE has requested additional information and is reviewing prior to being sent to the National Marine Fisheries Service (NMFS).

Edgewater North: DMK was selected to perform the Survey and Provide estimates of quantities. To restore the system to -4 feet Mean Low Water, 41,000 cubic yards of material would need to be dredged. Estimated cost to complete the work would be \$1.4 Mil. To dredge to -5 feet MLW there would be an estimated 97,500 cubic yards to remove at a cost of about \$3.4 Mil. A mass mailing went out to all the citizens in that area to sequester their opinion on an increase to their tax to accomplish this project. Staff is awaiting guidance on how to proceed.

Gulf Cove Waterways: The project includes the removal of the existing silt to the previous dredge depth of -4ft MLW within the lateral/access channels and 100 feet into the interior canals. Coastal Engineering Consultants is assisting the County with the engineering and permit process. The bathymetric surveys of

Community Development Engineering

410 Taylor Road | Unit 104 | Punta Gorda, FL: 33950
Phone: 941.575.3632 | Fax: 941.575.3664

the waterways have been completed. The Preliminary Plan Set has been completed and is under review by County. Coastal Engineering has proposed an alternate path forward to improve the navigation project will yielding cost savings over time through reduction of maintenance dredging needs. The approach includes collecting additional data to identify combining multiple canals into single channels extending to the river. The County has reviewed and approved this alternate path forward and will be issuing a revised task order to Coastal Engineering to proceed with the additional survey and design work.

Harbour Heights: A Request through purchasing has been initiated to retain Engineering services to Permit, Survey and Provide Construction Related Services for minor shoaling within the Harbor Heights Waterway System. The Consultant is in the process of gathering survey and permitting data. This phase should be complete with submittal to the permitting agencies in early April 2014. Staff reviewed the 80% design plans with the consultant (Stantec) and permitting strategies were discussed. These strategies should lead to a streamlined process. The permit application was submitted to staff for review the week of April 14, 2014. After review and approval the permit application was submitted on the week of April 21, 2014. The permits were received in May from the agencies. The bid specs have been reviewed and modified. The citizens would like to see some Mangrove trimming added to the contract to ease line of sight and navigation issues. This project has been placed on hold while awaiting the Countywide Permit.

Hayward Canals: No active projects at this time.

Manchester Waterway: No active projects at this time.

Northwest Port Charlotte: The dredge project has been completed. The new marking of the channels is underway.

Peace River Shores: No active projects at this time.

Pirate Harbor: This project provides for engineering, design and permitting to dredge a 2300 feet access channel that was not covered under previous permitting. The bathymetric and seagrass surveys are complete. The jet probe survey and geotechnical report are complete. The updated channel design is complete which proposes a 45-foot wide channel located within the limits of the existing marked channel. Seagrasses exist within the limits of the existing marked channel which will need to be mitigated for due to the dredging impacts. The ERP Permit Application is near complete. The site visit to gather data for the Unified Mitigation Assessment Method (UMAM) analysis and to search for possible mitigation sites was conducted by CEC and DEP on October 29. The search for potential mitigation sites did not find enough suitable areas within the vicinity of the project area, thus a wider search area will be examined by CEC using aerial photography. Additional discussions with DEP on the mitigation options will ensue once DEP completes their UMAM analysis, which is scheduled to be complete prior to the Christmas holiday. Once the UMAM analysis is agreed to by the County and DEP, mitigation strategies shall be formulated to address project impacts. The ERP Application will then be completed and submitted to the agencies.

Southbridge Waterway: Project Complete.

South Gulf Cove: A Request for Letters of Interest was submitted to Purchasing to sequester an engineering firm to permit a Boat Turn Basin at the Harbor side portion of the Lock. This work was awarded to Johnson Engineering. Meetings with the permitting agencies have been conducted and the design is complete. The State Parks manager has accepted the placement of the Material at a Placida Location for future use. This location was accepted as the spoil disposal site that will substantially reduce

Community Development Engineering

410 Taylor Road | Unit 104 | Punta Gorda, FL: 33950

Phone: 941.575.3632 | Fax: 941.575.3664

MSBU Update
November 30, 2014

the cost of hauling material. The permit application was submitted to the regulatory agencies and the FDEP permit was issued, however the application is still under review by the ACOE. Due to the volume being dredged, the ACOE must seek approval from National Marine Fisheries. The Consultants are making every attempt to work with ACOE and NMF to expedite the process. Johnson Engineering has completed the Construction Plans and is in the process of revising the bid specs. After initial Staff review some modifications were recommended to the original submittal. Upon the receipt of the ACOE permit this project will go out to bid for construction.

Suncoast Waterway: The dredge project has been completed. The new marking of the channels is on the schedule.

Stump Pass:

The Consulting Team and County worked diligently this summer to prepare and submit to the State of Florida the annual funding request for cost sharing of the 10-Year beach and inlet management plan. The FDEP is currently reviewing the County and Consulting Team's response to the FDEP Project Assessment seeking a higher score to better position the project for future state cost sharing. In the meantime, the State did approve the County for cost sharing for permit required monitoring in the third year following construction in the amount of \$99,000. In addition, FDEP has advised the County there may be additional cost sharing funds available for the post-construction surveys and the first and second years of permit required monitoring, raising the cost sharing to a total reimbursement amount on the order of \$300,000. The County is in process of reviewing, approving, and executing the new cost sharing agreement.

The Consulting Team and County submitted the formal RAI response to the FDEP. It is currently undergoing review and a response from FDEP is anticipated the second week of December.

Based on reports of shoaling within the pass, the County has authorized Coastal Engineering to conduct a conditions survey and provide the County with recommended coordinates for the navigation aids; at which time the County will install the aids. The survey is scheduled to be conducted in the next good weather window.

Dayboards: Staff is continuing to replace non-reflective dayboards as needed.