

**BURNT STORE ISLES
CANAL ADVISORY COMMITTEE
MEETING
AUGUST 11, 2020**

MEMBERS PRESENT: Mike McIntosh, Chairman
Norman Ashworth, Rick Daugherty,
Sean Harrigan, Charles Longenbarger

OTHERS PRESENT: Cathy Miller, Canal Maintenance Supervisor
Gary Disher, Mapping, Permitting and Compliance Manager
Jenna Phillips, Cliff Truitt, Katrina McIntosh

CALL TO ORDER/ANNOUNCEMENTS

- A. Roll Call
- B. Next Scheduled Meeting
- 1. September 8, 2020

CITIZEN COMMENTS ON AGENDA ITEMS ONLY

- None.

APPROVAL OF MINUTES

- A. June 9, 2020
- Mr. Daugherty MOVED, Mr. Harrigan SECONDED approval of the June 9, 2020, minutes.
MOTION CARRIED UNANIMOUSLY.

NOTE: Citizen Comments followed Approval of Minutes.

REPORTS

- A. Finance Reports - July and August 2020
- Ms. Cathy Miller, Canal Maintenance Supervisor, confirmed there were no questions regarding the July and August 2020 reports from the agenda material.
- B. Budget Utilization Report - July 2020
- Ms. Miller announced the Seawall Replacement program was complete and slightly over budget.
- C. Seawall Replacement Status Reports - July 2020
- Ms. Miller reiterated all projects were completed, anticipating the Seawall Replacement program for 2021 would be advertised at the end of August 2020. She explained the program would be available on the City's website and included in the September 2020 agenda, concluding the estimated budget for same was \$235,000.
- D. Permits Authorized by City Staff - July and August 2020
- Ms. Miller confirmed there were no questions regarding permits authorized.

- E. BSI Capital Improvement Status - July and August 2020
- Mr. Gary Disher, Mapping, Permitting and Compliance Manager, announced Taylor Engineering would be presenting the draft for the Seawall Materials and Methods Feasibility Study (Feasibility Study) following this item. He reported Army Corps of Engineers issued public notice of the Burnt Store Isles (BSI) Inlet Widening project, concluding staff was waiting on comments from them regarding same.

NEW BUSINESS

- A. Presentation of the DRAFT Seawall Materials & Methods Feasibility Study by Taylor Engineering
- Ms. Jenna Phillips, Taylor Engineering, provided a detailed review of the Feasibility Study, as delineated in the agenda material, noting same would assist the City with planning level replacement projections to streamline the seawall maintenance program.
 - Mr. Ashworth requested the presentation focus on the BSI canal system rather than the canal system as a whole.
 - Mr. Cliff Truitt, Taylor Engineering, responded to an inquiry submitted prior to the meeting this date, explaining data considered in the analysis was based on the last inspection the City had performed in 2017.
 - Discussion ensued regarding possible causes for seawall failures, the current design structure and materials used for the seawalls and estimated design life for same.
 - Mr. Disher verified the canal system had over 82% of original seawall, noting same had more than 17,000 feet of conditions which required monitoring for visible on-surface issues.
 - Ms. Phillips indicated the average age for BSI seawalls was approximately 39 years. She then explained the alternative construction methodologies were recommended for consideration as follows: (Option One) modified concrete panel design using MMFX rebar and high strength 5,500 PSI Concrete; (Option Two) modified concrete panel design using stainless steel reinforcement and standard 4,000 PSI Concrete; (Option Three) vinyl panels with MMFX Tie-rods and Tie-back modifications.
 - Mr. McIntosh pointed out that removal of concrete would come at a cost; additionally, staging lots were becoming less available to the City.
 - Ms. Phillips explained that proposed costs for demolition were included in the study. She then stated loss of staging lots was a known concern, noting potential local industries and plots for same had been researched.
 - Mr. Disher verified approximately 1,000 feet of BSI seawall was replaced each year, noting that a final design was not included in the draft since they were unsure at this time which direction City Council desired to take.

- Mr. Daugherty spoke in opposition of replacing seawalls according to their design life if same were in good condition.
- Mr. Harrigan questioned the reason large amounts of soil were being dredged and returned afterwards, opining same would become a cost discussion.
- Ms. Phillips explained the method depended on the particular contractor, adding specifications of contractor's means and methods could be considered if there were potential cost savings from same. She agreed the situation was a challenge which required additional exploration, noting the feasibility study was to provide options.
- Mr. Disher stated considerations for a potential pass to the Colony Point staging site were being explored, noting many residents were opposed to the City purchasing lots particularly for staging areas.
- Ms. Phillips then reported there were some variables in the City's data for the 109 miles of seawall, recommending use of the Waterfront Facilities and Inspection Assessment Manual from the American Society of Civil Engineering to assist in reducing inspection variations. She noted there would be costs for implementing and training personnel.
- Mr. Truitt stated decisions were based on members' discretion for how to move forward, offering to answer additional questions members might have.
- A lengthy discussion ensued regarding the patterns of behavior for differing seawall materials and designs, along with the advantages and disadvantages for same.
- Mr. Truitt stated it had been suggested that new seawall panels be installed in front of the existing ones, noting the positive and negatives for doing same.
- Ms. Katrina McIntosh pointed out new seawall panels being installed in front of existing ones might cause issues for properties with existing docks.
- Mr. Truitt agreed, noting he had no solutions for same.
- Mr. Disher explained the drafted feasibility study would be presented to the Punta Gorda Isles' Canal Advisory Committee and to City Council at the September 23, 2020, meeting, concluding the final report would be provided to members afterwards.
- Mr. Harrigan requested the Finance Department create a proforma of costs associated with implementing the seawall maintenance program based on the report. He stated considerations should include whether residents could absorb the cost increase and sufficient solutions for issues such as the disappearance of staging lots.
- Mr. Disher agreed to speak with the Finance Department regarding the proforma.

UNFINISHED BUSINESS

- No items.

STAFF COMMENTS

- None.

COMMITTEE/BOARD COMMENTS

- None.

CITIZENS' COMMENTS

- None.

ADJOURNMENT

- Meeting Adjourned: 3:05 p.m.

Mike McIntosh, Chairman

Leah Pues, Recording Secretary