



## AGENDA MEMORANDUM

March 18, 2019

### Corpus Christi Business and Job Development Board Meeting

**DATE:** March 4, 2019

**TO:** President and Honorable Board Members,  
Corpus Christi Business and Job Development Corporation

**THROUGH:** Keith Selman, Interim City Manager

**FROM:** J.H. Edmonds, P.E., Director of Engineering Services  
JeffreyE@cctexas.com  
(361) 826-3500

#### UPDATE

Engineering Services Monthly Project Updates

#### **STAFF PRESENTER(S):**

<b><u>Name</u></b>	<b><u>Title/Position</u></b>	<b><u>Department</u></b>
1. Jeff H. Edmonds, P.E.	Director	Engineering Services

#### **OUTSIDE PRESENTER(S):**

None.

#### **BACKGROUND:**

The current active projects are listed below with the monthly activity shown.

#### **PROGRESS FROM PREVIOUS MEETING:**

1. McGee Beach Nourishment/Boat Basin Dredging and Repairs on Marina Breakwater at McGee Beach – 100% Design submittal anticipated for March 2019. Permit letter submittal to USACE for McGee Beach Placement Permit anticipated in March 2019. Breakwater Repair and Dredging permit application submitted to USACE on March 4, 2019.
2. Floodwall Upgrades at Science Museum and USACE Building – Jacobs Engineering Group, Inc. selected as new consultant. Contract negotiations anticipated to start in March 2019.
3. Seawall Capital Repairs – Design underway.
4. Salt Flats Levee Improvements – Govind Development, LLC selected as new consultant. Contract negotiations anticipated to start in March/April 2019.
5. Kinney and Power Street Pump Station Improvements – Assessment underway.
6. Restoration of SEA District Water Features – Contract on hold.

## **PROJECT SUMMARIES:**

### **1. Salt Flats Levee Project/ FEMA Mapping:**

- Task Order No. 2 - LLPT Participation/Flood Protection System Vulnerabilities Identification:
  - Original scope of work was completed.
  - Additional issues related to the Salt Flats Levee vulnerabilities, such as erosion to the Salt Flats Levee channel that occurred at the location of the Broadway Wastewater Treatment Plant bypass pumping outfall, being addressed through this Task Order.

### **2. McGee Beach Nourishment/ Boat Basin Dredging Project (Design):**

- Engineering Services Staff met with Marina staff to discuss the need for dredging within the Marina.
- Recommendation made to amend the “Repair on Marina Breakwater at McGee Beach” project to include dredging in the Marina.
  - Starting with a new contract will make the project easier to track, since these are separate CIP projects, yet still allows for a more economic and cost-efficient execution of the projects by incorporating the dredging tasks into the plan set with the breakwater repairs.
- Design contract approved by the Type A Board in August 2018.
- Design contract approved by City Council in September 2018.
- Project team coordinated with USACE regarding required permitting on 10/18/18.
- 60% Design submitted for City review on 10/24/18.
- 100% Design submittal anticipated for March 2019.
- Scope/budget summary provided with the February update (see attached).
  - Plan to bid project with a Base Bid and Additive Alternates.
  - Additive Alternates will only be awarded if funding is available.
  - Project Construction Budget = \$1,050,196
  - Base Bid Construction Estimate = \$1,125,000
  - Additive Alternate Construction Estimate = \$2,977,400
- There is not enough “beach quality” dredge material in the Marina Basin to nourish McGee Beach. All dredged material will be disposed of in another location.
- Anticipated submittal in March 2019 of the Amendment Notification Letter to USACE for Modification to Existing McGee Beach Placement Permit.

### **3. Floodwall Upgrades at Science Museum and USACE Building (Contract Negotiations):**

- Provides a new floodwall (or a coastal structure) that extends from the Promenade under the Harbor Bridge to the USACE Bulkhead, with backfill in the triangular area between the new wall and existing wall location.
- Selected AE consultant (HDR) requested revisions to contractual provisions. Selected consultant could not come to terms with City standard contract language.
- Project has been re-RFQ'd, and a new consultant will be selected.
  - Jacobs Engineering Group, Inc. selected as the new consultant on February 14, 2019.
  - Contract negotiations anticipated to be initiated in March 2019.
- The project scope may be expanded to include the area in front of the USACE building.
- City and POCCA staff continue coordination efforts regarding proposed location of floodwall on POCCA owned property.

- Meeting scheduled with POCCA on 02/08/19 to discuss their new building and coordinating with this project.

#### **4. Seawall Capital Repairs (Design):**

- Consultant inspected Seawall to determine required repairs.
- Presented inspection findings to the Type A Board at the April 2018 meeting.
- Design contract with Munoz Engineering for required repairs approved by the Type A Board and City Council in October 2018.
- 60% Design submitted for City review on 01/07/19.

#### **5. Repair on Marina Breakwater at McGee Beach (Design):**

- Design contract approved by the Type A Board in February 2018.
- Design contract approved by City Council in March 2018
- Project Kick-off Meeting held on 04/09/18.
- Recommendation made to amend the Repair on Marina Breakwater at McGee Beach project to include dredging in the Marina.
  - Nourishment/Dredging tasks incorporated into this project, but approved through a separate, new contract instead of amending the Breakwater contract. This will make the project easier to track, since these are separate CIP projects, yet still allows for a more economic and cost-efficient execution of the projects by incorporating the dredging tasks into the plan set with the breakwater repairs.
  - Nourishment/Dredging design contract approved by the Type A Board in August 2018.
  - Design contract approved by City Council in September 2018.
- Project team coordinated with USACE regarding required permitting on 10/18/18.
- 60% Design submitted for City review on 10/24/18.
- 100% Design submittal anticipated for March 2019.
- Permit application submitted to USACE on March 4, 2019.

#### **6. Salt Flats Levee Improvements (Contract Negotiations):**

- Selected AE consultant (HDR) requested revisions to contractual provisions. Selected consultant could not come to terms with City standard contract language.
- Project has been re-RFQ'd, and a new consultant will be selected.
  - Govind Development, LLC selected as the new consultant on February 14, 2019.
  - Contract negotiations anticipated to be initiated in March/April 2019.

#### **7. Kinney and Power Street Pump Station Improvements (System Assessment):**

- This project evaluates the capacity of the existing 2 pump stations to determine the feasibility of interim solutions to maximize the capacity at the Kinney and Power Street Pump Stations before a major investment for a potential third pump station.
- Urban Engineering was the AE Selected through the RFQ process to assess the existing pump stations, determine if any improvements can be made, and prepare cost/benefit analysis for any recommended improvements.
- Professional services contract approved by the Type A Board in August 2018.
- Professional services contract approved by City Council in September 2018.
- System assessment underway.

**8. Restoration of SEA District Water Features (Approval Process):**

- This project will restore the SEA District water features (Water Garden Fountain and Bayfront Fountain) by correcting electrical, mechanical and other problems to restore the maintenance and operability of both features.
- Design contract negotiated; approved by the Type A Board in December 2018.
- Design contract scheduled for City Council review and approval (second reading) on February 12, 2019.
- Contract on hold. Reviewing temporary options that will work with the long-term solution.

**9. Comprehensive Feasibility Study for Seawall (Contract Negotiations):**

- This project will identify project needs and prioritization to develop a strategic short and long-term Capital Improvement Plan (CIP). The last effort to develop a comprehensive CIP for Type A projects was completed 10 years ago. The selected firm will conduct workshops with stakeholders, and deliverables will include project descriptions and budgetary cost estimates for all selected projects.
- HDR Engineering, Inc. selected as the consultant on February 14, 2019.
- Contract negotiations anticipated to be initiated in April/May 2019.

**ATTACHMENTS:**

None