



AGENDA MEMORANDUM

Corpus Christi Business and Job Development Board Meeting May 18, 2015

DATE: May 5, 2015

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

THROUGH: Ronald L. Olson, City Manager

FROM: Jerry Shoemaker, P.E., Senior Program Manager for Capital Programs
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UPDATE

Capital Programs Monthly Project Updates

STAFF PRESENTER(S):

<u>Name</u>	<u>Title/Position</u>	<u>Department</u>
1. Jeffrey Edmonds, P.E.	Director	Capital Programs
2. Jerry Shoemaker, P.E.	Sr. Prog. Mgr	Capital Programs

OUTSIDE PRESENTER(S):

None.

BACKGROUND :

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

1. Salt Flats Levee Project/ FEMA Mapping:

- 01/21/13 Update: Consultant (Urban Engineering) submitted final FEMA Certification Guidance Document report in December 2012. Consultant (HDR) worked to assess impact of FEMA's new FIRM along the Bayfront and seawall with additional computer modeling using COULWAVE computer software.
- 11/17/2014 Update: Distributed the Levee Assessment report for review, meeting scheduled November 19, 2014. Electronic copy is available to the Board. LLPT meeting scheduled for November 20, 2014. Coordinating logistics for the meeting. Public meetings for neighboring counties scheduled by FEMA.

- 12/15/2014 Update: Review meeting with operational departments and local agencies. LLPT meeting took place; toured the levee system with FEMA and staff. Planned monthly conference calls with the LLPT team.
- 01/19/2015 Update: The monthly Local Levee Partnership Team (LLPT) meeting took place on January 7, 2015. The goal of this program is to achieve certification for our levee system. The LLPT will assist FEMA to identify non-accredited levee systems, collect data and system knowledge, determine additional data communities intend to submit, identify levee reaches, and review data available, FEMA will use the LAMP (Levee Analysis and Mapping Procedures) approach to produce FIRMs, Flood Insurance Study (FIS) reports and related products for communities impacted by non-accredited levee systems.
- 02/16/2015 Update: The monthly LLPT meeting took place on February 4, 2015.
- 03/04/2015 Update: Received a proposal from HDR to execute Phase 2B of the project. Staff is vetting the scope and budget. Acting Director, Jerry Shoemaker, met with FEMA on February 20th to discuss the strategy and progression of the project.
- 04/06/2015 Update: After review of the proposed scope and additional research, Staff is revising the HDR scope to better adapt a strategy to support identifying existing deficiencies, corrective actions and validation of the FEMA FIRM maps in lieu of “certifying” the systems. This is a result of the changes from the FEMA moving from the Provisional Accreditation Levy (PAL) to the Levy Accreditation Mapping Procedure (LAMP). This is anticipated to reduce the overall effort and cost and achieve a more effective plan for future improvements for protection. The final scope and fee will be presented to the Board in May for submission to Council subsequently.
- 05/05/2015 Update: FEMA has changed the way that flood protection systems are treated on Flood Insurance Rate Maps (FIRM's). Previously, flood protection systems were automatically accredited with providing protection against a 100-year flood event. FEMA now takes a more analytical approach to evaluation the performance of flood protection systems and attempts to model how systems would actually fare in a 100-year event and to use those results in preparing the FIRM's. FEMA is currently engaging with the City of Corpus Christi to determine how the Downtown FIRM should be published. The current process requires documentation and/or improvements to flood protection systems in order for them to be shown as providing protection against a 100-year event.

In May of 2013, FEMA and City agreed to a Seclusion process that allows release of the Nueces County FIRM showing the downtown protected area as a Shaded Zone X with a note that it will be updated once the Levee Accreditation Mapping Process (LAMP) is complete. LAMP will involve investigation, study, design and construction of improvements to enhance the level of protection provided by the downtown flood protection system. HDR was selected in an RFQ under the 2012-13 CIP for a large AE contract to provide services related to the LAMP effort. To date, Capital Programs has only issued a small AE contract to HDR. Part of the reason that a large AE has not been executed is that it has been difficult to specifically define the scope of work (SOW) to be performed. In response to the process being driven by FEMA and by findings, we are working to develop a task order driven contract with HDR to provide services as needed.

This contract is not ready for approval; however, we contemplate a not-to-exceed amount of \$650,000. Task orders will be negotiated individually and issued on either a time and materials (T&M) or a firm-fixed-price (FFP) basis.

The objective if this effort is to minimize the impact of the new FIRM on the downtown area by seeking to minimize the base flood elevation (BFE). The effort will also seek to identify, prioritize, design and implement corrective actions to address the vulnerabilities with highest payoff in terms of flooding risk reduction.

2. Barge Dock Project:

- 01/21/13 Update: Project design kickoff meeting held and consultant provided draft project schedule.
- 11/17/2014 Update: Consultant has been given authorization to proceed with wave loading analysis and structural stability analysis to determine the structural condition of the dock and seawall. Draft report to incorporate results of wave loading analysis and structural stability analysis prior to finalizing report.
- 12/15/2014 Update: RVE has begun Wave Analysis and Structural Stability Analysis. Analysis in progress.
- 01/19/2015 Update: This project is coordinated with the LAMP and is contingent on LAMP results to achieve complete analysis and final report.
- 02/16/2015 Update: The final report for this project is contingent upon the result of the LAMP process.
- 03/04/2015 Update: No Change.
- 04/06/2015 Update: No Change.
- 05/05/2015 Update: No Change

3. Miradores Project:

- 10/20/2014 Update: Project scope and budget costs are being assessed and evaluated.
- 11/17/2017 Update: City staff visited site with contractor (Barcom) and developed the scope of work. Contractor to submit proposal for review under the JOC (Job Order Contracting) program.
- 12/15/2014 Update: Proposal has been vetted and accepted as reasonable by City staff. Recommend approval by the Type A Board.
- 01/19/2015 Update: Scope is revisited because of concerns with additional elements of the work. Staff will provide an update to the Board at the February meeting.
- 02/16/2015 Update: Professional services have been procured to redevelop the scope of the project to incorporate the additional elements. This project will be presented to Type A Board at a future date.
- 03/04/2015 Update: Finalizing scope and working with the contractor to finalize cost. Working with Parks and Recreation Department to establish a level of service and maintenance budget.

- 04/06/2015 Update: The JOC contractor is scheduled to begin work in April 2015 for the Phase 1 minor maintenance improvements. Staff is finalizing additional Phase 2 improvements for rehabilitation to fully restore the facilities and will present to the Type A Board for approval in May 2015. The work will be coordinated with Phase 1 to avoid delays or increased cost.
- 05/05/2015 Update: On May 12, 2015 and May 19, 2015, the City Council will be presented with a motion authorizing the City Manager or designee to execute a Job Order Contract with Barcom Commercial, Inc. in the amount of \$318,624.56 for the Miradores Improvement Project, for improvements to the eight Miradores located on the Seawall. This includes work approved by the Corpus Christi Business and Job Development Corporation at their December 15, 2014 and April 20, 2015 meetings. The work on the Miradores will begin immediately after City Council approval on May 19th.

4. McGee Beach Project:

- 11/17/2014 Update: Funding for McGee Beach Nourishment was approved July 21, 2014 by the Type A Board. The Coastal Erosion Planning and Response Act Project Cooperation Agreement (PCA) with the Texas General Land Office (GLO) is anticipated to be presented to City Council in November. The PCA will allow for the GLO to have a design developed for the nourishment of McGee Beach and will include:
 - Data Collection
 - Final Design
 - Permitting and
 - Construction Oversight
- 12/15/2014 Update: The Coastal Erosion Planning and Response Act Project Cooperation Agreement (PCA) with the Texas General Land Office (GLO) was approved by City Council on November 18, 2014. The GLO will begin procurement process to contract with a design consultant. City staff will be included in the design process once it begins.
- 01/19/2015 Update: City staff is meeting with GLO and design consultant to discuss creative options for reducing beach re-nourishment demands in an effort to reduce cost and improve beach conditions.
- 02/16/2015 Update: City staff has met with the GLO, the design consultant and Dr. Brian Gulley to discuss the erosion of McGee Beach. The design consultant is aware of the situation and will keep the discussion under advisement. To add to that, the contract between HDR and the GLO is based on their standard fees and will be billed on a time and materials basis. Any unbilled contract amount will not be paid by the City of Corpus Christi and those funds can be used toward construction costs. The design for the re-nourishment is on-going.
- 03/04/2015 Update: Project is under design. No other updates.
- 05/05/2015 Update: Project design is proceeding and includes North Beach. The project should be ready to bid in the Summer 2015 timeframe and construction will begin after labor day. The permit has been approved for North Beach only.
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5. Maintenance Program for Type A Projects:

- 5/06/2015 Update: The Parks Department has submitted a supplemental budget request in their 2016 Operational Budget to provide a regular maintenance schedule for the Miradores. Work planned includes: scheduled power washing the Seawall and Miradores four times a year, including a pre-painting cleaning; painting the Miradores once a year; as needed power washing and spot clean-up; light bulb replacement and fountain services as required. The cost of this proposal is \$17,900 yearly.

SUPPLEMENTAL:

The following issues were presented at previous Board meetings.

N/A

LIST OF SUPPORTING DOCUMENTS:

N/A