
Monday, February 5, 2018

8:00 AM

Emerald Coast Convention Center

Council Members & Staff

Honorable Kelly Windes

Commissioner District 5 (Vice - Chairman)

Honorable Jim Foreman

City of Destin Representative

Honorable Mike Holmes

City of Fort Walton Beach Representative

Bruce Craul

Chairman, COO, HarborWalk Hospitality

Melissa Matern

Vice Chairman, Marketing Manager, ResortQuest

Heather Ruiz

Director of Marketing, Destin Commons

Nick Sarra

Chief Operating Officer, Salwater Restaurants

VA CANT

VACANT

VAC ANT

VACANT

Jennifer Adams

Tourist Development Department Director

Lynn Hoshihara

TDD Attorney

Pledge of Allegiance and Welcome (*Chairman*)

Public Comments Related to Current Agenda (*3 minutes each*)

I. Items for TDC Approval/Recommendation

a. Holiday Isle Beach Restoration (*Jim Trifilio*)

II. Public Comment (*3 minutes each*)

III. Next TDC Meeting (*Chairman*)

February 21, 2018 2:00 p.m. Emerald Coast Convention Center

IV. Adjourn (*Chairman*)

**Tourist Development Council**

1540 Miracle Strip Parkway
Fort Walton Beach, FL 32548

SCHEDULED**TDC ITEM (ID # 8240)**

Meeting: 02/05/18 08:00 AM
Department: Tourist Development Council
Category: Approval
Prepared By: Aida Wilkinson
Initiator: Aida Wilkinson
Sponsors:
DOC ID: 8240

Holiday Isle Beach Restoration (Jim Trifilio)

TOURIST DEVELOPMENT DEPARTMENT MEMORANDUM

DATE: February 5, 2018
 TO: Tourist Development Council
 FROM: Jennifer Adams, Tourist Development Department Director
 Jim Trifilio, Coastal Management Coordinator
 SUBJECT: Holiday Isle Restoration

STATEMENT OF ISSUE: Request direction regarding an emergency beach restoration project for a portion of Holiday Isle.

BACKGROUND: The Tourist Development Department monitors the County beaches regularly. The Western Destin Beach Restoration Project was completed in 2013 and the *Western Destin 2017 4 Year Post Construction Monitoring Report* (prepared by Taylor Engineering) indicates that approximately 38% (239,392 cubic yards) of the sand placed in 2013 has eroded from the project area. This erosion is particularly evident in **Reach 1** of the project that extends from the east jetty approximately 4,000 feet to the east. The executive summary from the *Western Destin 2017 4 Year Post Construction Monitoring Report* is attached as reference.

The opportunity exists to utilize a dredge that is already in East Pass working on the Norriego Point project to dredge East Pass and pump that sand into the “swash” zone (essentially the wet sand area and seaward) along **Reach 1** of the Western Destin project. The proposed project would place approximately 130,000 cubic yards of sand in the **Reach 1** area for a total cost of approximately \$1.5 million. Note that this estimate does not include any weather delays that could add significantly to the total cost. Also, as the sand volumes are estimates and won’t be known until dredging commences, there may be an opportunity to pump more than the estimated volume of sand. Staff suggests that if the Council recommends this project to the Board of Commissioners that a “not to exceed” amount of \$2 million would be a practical estimate.

Also of note is that the City of Destin would need to utilize their permit for this work and be responsible for contract negotiations and construction management, with the Tourist Development Department reimbursing the City for costs incurred.

It should also be noted that the Federal navigation channel in East Pass is in need of dredging to allow safe passage of boat traffic and that the dredging for the Norriego Point project will not dredge the channel in its entirety.

There are several first penny funding alternatives for this project. If the Veterans Park Improvements project is not completed in full this year, a portion of the \$1.5M currently budgeted could be reallocated to this project. There is also an estimated \$530K in cash carryforward available from the prior fiscal year that could be directed to this project. Finally, either Beach Restoration or East Pass Emergency Dredging reserve funds could be used.

RECOMMENDATION TO BOARD: Fund up to \$2M for an emergency beach restoration project for Reach 1 of the Western Destin Project (Holiday Isle) through the use of beach restoration reserves if current year funding is insufficient.

Attachment: Holiday Isle Restoration (8240 : Holiday Isle Beach Restoration (Jim Trifilio))



**Western Destin Beach Restoration Project
Executive Summary**

October 2017

Extensive beach erosion from Hurricanes Ivan (2004) and Dennis (2005) prompted the Florida Department of Environmental Protection (FDEP) to approve emergency funding for design and permitting of erosion control measures along the western Destin shoreline. The resulting Western Destin Beach Restoration Project successfully reduced the risk of storm damage to upland property while providing a healthy and wide beach, increased recreational opportunities to citizens, promoted tourism and increased revenue streams to local businesses, and provided environmental habitat to marine, terrestrial, and avian wildlife.

The original project design covered a 3.2-mile stretch of shoreline extending from East Pass to Henderson Beach State Park to capture the upland areas most susceptible to storm damage; however, due to funding limitations, the project area was later reduced to include only the FDEP-designated critically eroded area eligible for state cost-sharing. Following application submittal and review by FDEP, a petition for an administrative hearing was filed and delayed the project approximately two years. Following the hearing, the permit was issued and the City of Destin and Okaloosa County further reduced the project area to remove additional appellants from the proposed project area. The final Western Destin Beach Restoration Project placement area includes two reaches of the Okaloosa County shoreline immediately east of Destin’s East Pass. The Reach 1 project area extends from the eastern jetty of East Pass approximately 4,000 feet to the eastern property boundary of Destin on the Gulf. The Reach 2 project area extends from the western property boundary of Sandpiper Cove approximately 2,200 ft to the eastern boundary of Southbay on the Gulf. The approximately 2,900-ft gap between Reach 1 and Reach 2 includes 18 single-family lots and 3 condominium properties. The beach quality material for the project originated from the northern portion of the regionally permitted borrow site — located approximately 1.3 miles offshore and 4 miles west of East Pass — the same site previously utilized for the Eglin Air Force Base and the Holiday Isle Emergency Beach Restoration Projects. The project, constructed Jan. – Feb. 2013, restored approx. 6,200 linear feet (1.2 mi) of shoreline.

Following project construction, Taylor Engineering has produced annual post-construction physical monitoring reports, as required by the FDEP permit, documenting the project evolution, performance, and potential impacts. The most recent monitoring results indicate the project did not have any adverse impacts and consistently exceeded performance expectations. Currently, the project areas contain approximately 394,900 cy or ~62% of the original volume placed, indicating approximately 239,392 cy (~38% of the volume placed) have eroded from the project areas. Notably, these conservative estimates do not include the large-scale ebb-shoal accretion occurring near the western project area limit. During this same period, the gap area shoreline between Reach 1 and Reach 2 advanced 49.2 ft and gained approximately 56,000 cy (~9% of the volume placed), and the east control area accreted 54.9 ft and gained 22,700 cy (~4% of the volume placed). The volume changes for the overall monitoring area (from the East Jetty ~1.8 miles west) indicate approximately 473,600 cy (~75% of the original volume placed) remains within the monitoring area. These results indicate the project has exceeded performance expectations and is providing a noticeable benefit to not only the project areas but also the adjacent shorelines and the local littoral system. However, Taylor Engineering recommends the City of Destin begin discussions and coordination with project stakeholders to implement a renourishment strategy for the two reaches. Given the persistent erosion and recent erosion observations following Hurricane Nate, project renourishment will reduce the potential for further background erosion losses or increased erosion due to a severe storm event.

To date, Okaloosa County and the City of Destin have fulfilled project monitoring obligations as required by the FDEP Joint Coastal Permit. The Western Destin Beach Restoration Project is a keystone amenity to Okaloosa County and the City of Destin due the success of the restoration, economic and recreational benefits, achievement of public partnerships, and cooperation with regulatory agencies. Notably, the *American Shore and Beach Preservation Association named the Western Destin Beach Restoration Project as one of the 2015 Best Restored Beaches.*

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