

Meeting Date
September 19, 2017



AGENDA	
Section	New Business
Item No.	VI A 2

AGENDA REPORT
 BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS

SUBJECT:	Restoration of Engineered Dunes in the Mid Reach and South Beaches post Hurricane Irma (D3, D4, D5)
DEPT/OFFICE:	Natural Resources Management Department

Requested Action:

It is requested that the Board authorize staff to: 1a) negotiate directly with the previous successful low bid contractor, JP Donovan Construction or 1b) advertise the engineered dune restoration for a reduced 2 week bid period and award contracts to the lowest responsive bidder; 2) authorize the County Manager or Commission Chairman to execute all contracts including construction, engineering and environmental services necessary to complete the projects; and 3) authorize associated budget change requests.

Fiscal Impact: Approximately \$1,051,000 cost to the Tourist Development Tax Beach Improvement Fund after federal and state reimbursement

Summary Explanation & Background:

Initial inspections of all Brevard County beach projects were completed immediately after Hurricane Irma. The beach projects performed as designed and protected all upland structures from direct damage by the ocean, however erosion damage by the storm was significant. Any necessary maintenance of the federal shore protection project (North and South Reaches) will be arranged through our Project Cooperative Agreement with the US Army Corps of Engineers (ACOE). Repair of damage to the engineered dunes within the Mid Reach and South Beaches can be coordinated by the Natural Resources Management Department, and should be eligible for FEMA assistance as a Category G project.

In the South Beaches approximately 67,000 cubic yard (CY) of material was eroded from the engineered dune during Irma. The dunes were most recently maintained after Hurricane Matthew. The all-inclusive cost estimate to repair damage from Irma, including sand, sea oats, permit compliance and engineering services is \$2.5M. The expected local share of 12.5% after FEMA and FDEM participation is \$313,000.

In the Mid Reach approximately 36,000 CY of sand was eroded from the engineered dune during Irma, with an estimated replacement cost of \$1.3M. This is in addition to roughly 125,000 lost during Hurricane Matthew, which has yet to be replaced. The Matthew volume was included in a FEMA Project Worksheet (PW) received by the County last week. The PW includes an estimated cost for the Mid Reach of \$4.6M. To repair the Matthew and Irma damage within the Mid Reach as a single construction event would cost approximately \$5.9M. The expected local cost share of 12.5% after FEMA and FDEM category G assistance totals \$738,000. This local cost is lower than the roughly 20% local match that will be expected when the ACOE eventually takes over sand placement within the Mid Reach, so immediate repair under FEMA category G is expected to be the most timely and provide a cost savings to the County Tourist Development Tax Beach Improvement Fund.

A damage assessment for Hurricane Irma will be submitted to FEMA to pursue a category G PW for funding eligibility. If the BOCC would like to pursue complete repair of the engineered dunes within the Mid Reach and South Beaches before the 2018 hurricane season, action must begin immediately. This will require Board authorization to either 1a) negotiate a change order directly with the previously successful low bid contractor or 1b) advertise the projects, both sand and vegetation, for a reduced 2 week bid period and award contracts to the lowest responsive bidder. Either way, authorization is also needed for the the County Manager or Commission Chairman to execute all contracts including construction, engineering and environmental services necessary to complete the project, and authorization of associated budget change requests.

Fiscal Impact: FY 16-17 No Fiscal Impact.

FY 17-18 Approximately \$1,051,000 to Tourist Development Tax Beach Improvement Fund 1442.

Contact: Virginia Barker (x52435) or Mike McGarry (x52696) Natural Resources Management Department, 633-2016

Clerk to the Board instruction:

Exhibits Attached:

Contract /Agreement (If attached):		Reviewed by County Attorney	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	PR	<input type="checkbox"/>
County Manager	Assistant County Manager	Department Director / Extension						
Frank Abbate	John Denninghoff	Virginia Barker/52435						



Tammy Rowe, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

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September 28, 2017

MEMORANDUM

TO: Virginia Barker, Natural Resources Management Director Attn: Mike McGarry

RE: Item VI.A.2., Board Authorization for Restoration of Engineered Dunes in the Mid Reach and South Beaches Post Hurricane Irma

This is to correct the Memorandum dated September 20, 2017. The Board of County Commissioners, in regular session on September 19, 2017, authorized staff to negotiate directly with the previous successful low bid contractor, JP Donovan Construction, **for a price at no more than what the contract price is now, and if the price cannot be negotiated the contract shall go out to bid;** authorized the County Manager to execute all contracts including construction, engineering, and environmental services necessary to complete the projects; and authorized associated budget change requests.

Your continued cooperation is always appreciated.

Sincerely,

BOARD OF COUNTY COMMISSIONERS
SCOTT ELLIS, CLERK

for Denna Scott
for Tammy Rowe, Deputy Clerk

/kp

cc: County Manager
Finance
Budget



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September 20, 2017

M E M O R A N D U M

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Sincerely,

BOARD OF COUNTY COMMISSIONERS
SCOTT ELLIS, CLERK

for Donna Scott
Tammy Rowe, Deputy Clerk

/kp

cc: County Manager
Finance
Budget