

**SPECIAL MEETING/WORKSHOP OF CITY COUNCIL
FEBRUARY 25, 2021 – 4:00 PM
LIVESTREAM:**

<https://www.facebook.com/cityofgtown/>



**Notice of this meeting has been made in accordance with the
South Carolina Code of Laws as amended.**

- 1. CALL TO ORDER**
- 2. ANNOUNCEMENT CONCERNING ELECTRONIC DEVICES**
- 3. ROLL CALL**
- 4. PRESENTATION**
 - A. Boyd Living Shoreline Project Presentation - Ms. Joy Brown, Marine Program Manager, The Nature Conservancy - South Carolina Chapter.**

Attachments:

1	GTCouncilMtg_2.25.21 BoydLSProject_TNC FINAL	(PDF)
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- 5. WATER UTILITIES**
 - A. Discussion of Stormwater Pumps #1 and #2 Repairs/Replacement.**

Attachments:

1	Stormwater Pumps 1 and 2 Repairs Replacement	(PDF)
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- 6. FINANCE**
 - A. Santee Cooper Settlement Distribution to Electric Utility Customers Update.**
- 7. ADJOURNMENT**
 - A. Motion to adjourn the Special Meeting of City Council.**



120 North Fraser Street • Georgetown, SC 29440 • (843) 545-4000

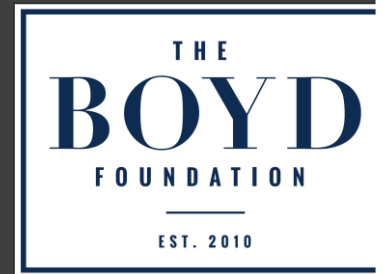
INFORMATION ITEM

DOC ID: 3243

Council Meeting Date: 25 February 2021
Department: Administration
Issue Under Consideration: Boyd Living Shoreline Project Presentation - Ms. Joy Brown, Marine Program Manager, The Nature Conservancy - South Carolina Chapter.



Boyd Living Shoreline Project



Funding provided by the Darnall W. and Susan F. Boyd Foundation

Living Shoreline:

A method of stabilizing a shoreline from erosion while maintaining the land and water connection



Project Goals

- Install a 1 acre living shoreline project in the water near East Bay & Morgan Parks
- Create marine habitat
- Reduce site specific erosion
- Design a project that mimics a natural, healthy marsh



Hiring Contractors
Launch Project Website
Community Outreach
Campaign Started*
Permits Submitted

2021

Construction Completed
Post Install Monitoring

2023

2022

Baseline Monitoring
Hiring Construction Crew
Permit Approvals

Community Outreach

Input Opportunities

- TNC Project Website
- In-person Survey of Front Street Businesses
- Letters Mailed to Adjacent Property Owners
- Public Input on Permit Application

Tools

- TNC Project Website
- City's Website
- Factsheets
- Georgetown RISE
- Temporary Park Signage
- City Ambassadors Contact List



Joy Brown
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INFORMATION ITEM

DOC ID: 3242

Council Meeting Date: 25 February 2021
Department: Water Utilities
Issue Under Consideration: Discussion of Stormwater Pumps #1 and #2
Repairs/Replacement.

MAYOR
BRENDON M. BARBER, SR.

CITY ADMINISTRATOR
SANDRA E. YUDICE, Ph.D.

CITY CLERK
STEPHANIE BUCCIONE



COUNCIL MEMBERS
HOBSON H. MILTON
TUPELO HUMES
AL JOSEPH
CAROL JAYROE
CLARENCE C. SMALLS
VACANT

Executive Offices
(843) 545-4001

To: Mayor Brendon Barber, Sr. and Members of City Council
Prepared by: Will Gunter, Public Water Utilities Manager
 Sandra E. Yúdice, Ph.D., City Administrator
Department: Water Utilities
Date: February 12, 2021
Cc: John Barfield, Finance Director
 Debra Bivens, Consultant
Subject: Stormwater Pumps #1 and #2 Repairs/Replacement

Issue Background

Stormwater pumps #1 and #2 are approximately 11 years old and they are experiencing failures again. Both pumps cost \$471,494.00 in 2010 (i.e., \$235,747 each). Repairs are needed again since the first round of repairs made in 2017 and 2018. The timeline of repairs is as follows:

- July 19, 2018: re-installed Pump #2 after extensive repairs.
- July 2019: discovered that Pump #2 had failed and would not pump. Staff contacted the contractor that made repairs the previous year to this pump for assistance in diagnosing the problem.
- August 14, 2019: contractor began troubleshooting the pump.
- January 17, 2020: Replaced the hydraulic relief valve assembly.
- April 6, 2020: Replaced the hydraulic pumps, filters, and strainers on hydraulic reservoir.
- June 25, 2020: Replaced the metering valve for the hydraulic system.

Thus far, the City has spent approximately \$25,000 on repairing Pump #2 since August 2019. With all those repairs, Pump #2 still was not operating. Staff performed a test by using the other engine and hydraulic system that was working by connecting it to Pump #2. The pump still failed. After that test, it was determined that Pump #2 needed to be removed from the pond and sent to the repair shop for diagnosis and repair. Then, Pump #1 failed in December of 2020.

Discussion

Under the uncertainty of an increase in the Stormwater fee and due to lack of funds in the Stormwater Fund, which is operating at a deficit, the City was unable to replace Pump #2 after the July 2019 failure; hence, continued conducting diagnostics and making repairs. However, the approval of the stormwater fee increase in late 2020, opened the opportunity to present Council a funding alternative to pay for major repairs on Pump #2. As part of the FY 2021 budget amendment, staff presented and Council approved borrowing \$100,000 from the General Fund to the Stormwater Fund for the repairs. On January 26, 2021, the contractor removed Pump #2 to begin diagnostics and recommend the necessary repairs to make it operable again.

When Pump #1 failed in December 2020, the contractor performed troubleshooting and made repairs to the Pump #1 hydraulic system in the pump house in January 2021 but the pump is still inoperable. Instead of

repairing it, a brand new pump to replace Pump #1 should take about 12 months to be manufactured and installed at an estimated cost of \$300,000 based on the 2010 cost.

Alternatives

1. Alternative #1—this alternative considers both pumps concurrently:
 - a. Repair Pump #2 now in preparation for the upcoming storm season with funds Council approved in late 2020. The repair should be completed in approximately 10-12 weeks. The repairs completed this year will have a one year warranty. However, it is anticipated that this pump will have to be replaced eventually if/when it becomes unreliable.
 - b. Replace Pump #1 in FY2022: Purchase a new pump to replace it instead of spending more money to repair it. A CIP budget request of \$300,000 will be included in FY 2022 to begin the procurement process to purchase a new pump to replace Pump #1.
2. Alternative #2:
 - a. Continue repairing both pumps. (Note: although available, this alternative may not be the best course of action).

Recommended Course of Action

Alternative 1: repair Pump #2 in FY 2021 and replace #1 in FY 2022.

Timeline for Recommendation

- Pump #2 was removed on January 26, 2021, and shipped to be repaired. Re-installation will occur as soon as possible in anticipation of the 2021 hurricane season.
- Start researching manufacturers for a new pump now and begin the procurement process on July 1, 2021, to replace Pump #1.

Fiscal Impact

- Pump #2:
 - Removal and re-installation cost is \$24,432.
 - Repair costs are estimated at this time to be \$48,380.00 plus tax. It is anticipated that there may be other costs associated with repairing Pump #2 but the total is unknown at this time.
- Pump #1:
 - As of January 2021, the repair cost for the hydraulic system in the pump house is \$11,709.81. The cost to remove and re-install is \$24,432, if it's decided to make repairs rather than replace. A repair estimate would be provided once the pump is evaluated. (Note: the recommendation for Pump #1 is to replace it in FY 2022).

Should both pumps be repaired at this time, the estimated total cost would be about \$150,000 (this estimate does not include any unforeseen costs).

Social Impact

N/A

Environmental Impact

N/A

Attachments

None