

ENTERPRISE CAPITAL

This section includes the capital program for three enterprise funds - Aviation, Port Everglades, and Water and Wastewater. The Aviation capital program is supported primarily by federal and state grants, bond proceeds, airport operating revenues, and fund balance. The Port Everglades capital program is primarily supported by fund balance, bond proceeds, state grants, and operating revenues. The Water and Wastewater capital program is funded primarily by user charges, bond proceeds, and fund balance.

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BROWARD COUNTY CAPITAL BUDGET**AVIATION CAPITAL**

| | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> |
|--|-----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| REVENUES | | | | | |
| Interest Income | 158,670 | 197,080 | 179,880 | 181,590 | 183,410 |
| Less 5% | (7,930) | (9,850) | (8,990) | (9,080) | (9,170) |
| TF Aviation Operations Fund | 17,774,570 | 6,666,000 | 7,080,000 | 3,737,000 | 3,195,000 |
| TF Aviation Passenger Facilities Charges (PFC) Fund | 22,215,680 | 0 | 0 | 12,300,000 | 24,000,000 |
| Fund Balance | 18,820,210 | 18,970,200 | 19,157,430 | 19,328,320 | 19,500,830 |
| Federal Grants (includes TSA) | 5,504,000 | 1,800,000 | 1,800,000 | 5,400,000 | 1,800,000 |
| State Grants | 610,000 | 0 | 50,750,000 | 16,250,000 | 0 |
| Bond Proceeds/Future Passenger Facility Charge-Backed Financing | 36,785,000 | 14,220,000 | 50,000,000 | 16,250,000 | 0 |
| TOTAL REVENUES | <u>\$101,860,200</u> | <u>\$41,843,430</u> | <u>\$128,958,320</u> | <u>\$73,437,830</u> | <u>\$48,670,070</u> |

APPROPRIATIONSRenewal and Replacement

| | | | | | |
|---|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|
| Rehabilitation of North Airfield Pavements (Including 9L-27R & EMAS Beds) | 0 | 0 | 0 | 20,000,000 | 0 |
| Terminal 4 Federal Inspection Service (FIS) Facility | 25,000,000 | 0 | 0 | 0 | 0 |
| Loading Bridges | 0 | 0 | 0 | 0 | 24,000,000 |
| Vehicle Replacement | 295,000 | 150,000 | 145,000 | 225,000 | 155,000 |
| Equipment Replacement | 1,551,000 | 1,066,000 | 620,000 | 262,000 | 375,000 |
| Aircraft Rescue and Fire Fighting (ARFF) Truck 710 Replacement | 0 | 0 | 1,500,000 | 0 | 0 |
| FLL Stormwater Upgrades | 0 | 14,220,000 | 0 | 0 | 0 |
| Information Technology Software & Services Renewal and | 375,000 | 375,000 | 375,000 | 375,000 | 375,000 |
| Information Systems Renewal & Replacement | 2,110,000 | 3,160,000 | 2,885,000 | 1,225,000 | 1,040,000 |
| Tenant Relocations | 500,000 | 0 | 500,000 | 0 | 0 |
| Matrix Access System Reader Replacement | 350,000 | 0 | 0 | 0 | 0 |
| Subtotal | <u>30,181,000</u> | <u>18,971,000</u> | <u>6,025,000</u> | <u>22,087,000</u> | <u>25,945,000</u> |

Improvement and Development

| | | | | | |
|--|-----------|---------|-------------|---------|---------|
| Facility Improvement Allowance | 750,000 | 750,000 | 750,000 | 750,000 | 750,000 |
| Airport Master Plan and Airport Layout Plan | 2,200,000 | 0 | 0 | 0 | 0 |
| Mobile Application Development | 400,000 | 250,000 | 250,000 | 250,000 | 250,000 |
| Airport Access Roadway System | 0 | 0 | 100,000,000 | 0 | 0 |

BROWARD COUNTY CAPITAL BUDGET

AVIATION CAPITAL

| | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> |
|--|-----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|
| Gate 504 Security Improvements | 1,800,000 | 0 | 0 | 0 | 0 |
| Citation Ticket System | 30,000 | 0 | 0 | 0 | 0 |
| Parking Office Renovation - Hibiscus Garage | 500,000 | 0 | 0 | 0 | 0 |
| Parking Revenue Control System | 650,000 | 715,000 | 605,000 | 250,000 | 50,000 |
| Aviation's Share of ERP Implementation | 3,919,000 | 0 | 0 | 0 | 0 |
| Federal Aviation Regulation Part 150 Study | 1,000,000 | 0 | 0 | 0 | 0 |
| Automated Taxicab Dispatch Software Module | 390,000 | 0 | 0 | 0 | 0 |
| Security Infrastructure Project | 0 | 2,000,000 | 2,000,000 | 2,000,000 | 2,000,000 |
| Land Acquisition | 5,000,000 | 0 | 0 | 0 | 0 |
| Subtotal | <u>16,639,000</u> | <u>3,715,000</u> | <u>103,605,000</u> | <u>3,250,000</u> | <u>3,050,000</u> |
| <u>North Perry Projects</u> | | | | | |
| Airport Master Plan and Airport Layout Plan | 700,000 | 0 | 0 | 0 | 0 |
| Runway 10R-28L Safety Enhancements | 0 | 0 | 0 | 4,000,000 | 0 |
| Subtotal | <u>700,000</u> | <u>0</u> | <u>0</u> | <u>4,000,000</u> | <u>0</u> |
| <u>Airport Expansion Projects</u> | | | | | |
| Checked Baggage Inspection System - Terminal 4 | 25,000,000 | 0 | 0 | 0 | 0 |
| New FLL Security Facility | 10,370,000 | 0 | 0 | 0 | 0 |
| Taxiway H Construction | 0 | 0 | 0 | 12,600,000 | 0 |
| Taxiway M Construction | 0 | 0 | 0 | 12,000,000 | 0 |
| Subtotal | <u>35,370,000</u> | <u>0</u> | <u>0</u> | <u>24,600,000</u> | <u>0</u> |
| <u>Reserves</u> | | | | | |
| Reserves | 18,970,200 | 19,157,430 | 19,328,320 | 19,500,830 | 19,675,070 |
| Subtotal | <u>18,970,200</u> | <u>19,157,430</u> | <u>19,328,320</u> | <u>19,500,830</u> | <u>19,675,070</u> |
| TOTAL APPROPRIATIONS | <u>\$101,860,200</u> | <u>\$41,843,430</u> | <u>\$128,958,320</u> | <u>\$73,437,830</u> | <u>\$48,670,070</u> |

* Net of internal transfers

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Renewal and Replacement

Funding Summary

| | Actual Expenses Through FY 14 | Modified FY 15 Budget | FY16-20 | | | | | | Total |
|---|-------------------------------|-----------------------|---------|-----|--------------|-----|------------|-----|------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Rehabilitation of North Airfield Pavements (Including 9L-27R & EMAS Beds) | 0 | 30,000,000 | 0 | --- | 20,000,000 | 19 | 0 | --- | 50,000,000 |
| Terminal 4 Federal Inspection Service (FIS) Facility | 0 | 25,000,000 | 0 | --- | 25,000,000 | 16 | 0 | --- | 50,000,000 |
| Loading Bridges | 0 | 0 | 0 | --- | 24,000,000 | 20 | 0 | --- | 24,000,000 |
| Vehicle Replacement | N/A | N/A | 0 | --- | 0 | --- | 970,000 | MY | 970,000 |
| Equipment Replacement | N/A | N/A | 0 | --- | 0 | --- | 3,874,000 | MY | 3,874,000 |
| Aircraft Rescue and Fire Fighting (ARFF) Truck 710 Replacement | 0 | 0 | 0 | --- | 0 | --- | 1,500,000 | 18 | 1,500,000 |
| FLL Stormwater Upgrades | 278,766 | 2,001,233 | 0 | --- | 14,220,000 | 17 | 0 | --- | 16,499,999 |
| Information Technology Software & Services Renewal and Replacement | N/A | N/A | 0 | --- | 0 | --- | 1,875,000 | MY | 1,875,000 |
| Information Systems Renewal & Replacement | N/A | N/A | 0 | --- | 0 | --- | 10,420,000 | MY | 10,420,000 |
| Tenant Relocations | 0 | 0 | 0 | --- | 0 | --- | 1,000,000 | MY | 1,000,000 |
| Matrix Access System Reader Replacement | N/A | N/A | 0 | --- | 0 | --- | 350,000 | 16 | 350,000 |

Project Comments

- In FY19, an additional \$20 million will be provided for the study, design, and construction for the rehabilitation of North Airfield pavements, including 10L-28R and connecting taxiways. The rehabilitation of the runway ensures that the pavement is kept in good operational condition. The last runway mill and overlay was 10-years ago, however, due to deterioration and rideability issues, 10L-28R will need an overlay much sooner than the 20 year design life.
- In FY16, an additional \$25 million is provided to increase the overall footprint of the existing Terminal 4 Federal Inspection Service (FIS) facility to enhance passenger throughput and overall customer satisfaction. The proposed expansion includes upgrading Custom's secondary space and exit lane areas to comply with current Custom's requirements.
- In FY20, \$24 million will be provided to replace Passenger Boarding Bridges in Concourses B, C, D, E, & F. There are a total of 47 bridges that need to be replaced because of the end of their life cycle.
- In FY16 - FY20, \$970,000 is provided for the replacement of vehicles.
- In FY16 - FY20, \$3,874,000 is provided for the replacement of various pieces of equipment that have reached their service life.
- In FY18, \$1.5 million is provided to replace an existing Aircraft Rescue and Fire Fighting (ARFF) truck 710, which will be ten years old.

BROWARD COUNTY CAPITAL BUDGET

- In FY17, \$14,220,000 will be provided for stormwater upgrades. In order to take advantage of limited airfield property for expansion, converting landscape infiltration areas to paved aircraft use areas requires removal of the stormwater. This project includes studying a pumping program, developing alternative pumping options, completing permitting and design, and constructing pump stations to move stormwater off the airfield.
- In FY16 - FY20, \$1,875,000 is provided for information technology software & services renewal and replacement.
- In FY16 - FY20, \$10,420,000 is provided for information systems (hardware) renewal and replacement.
- In FY16 and FY18, \$1 million is provided for tenant relocations as needed to support Aviation's initiatives for balancing passenger operations in the terminal buildings.
- In FY16, \$350,000 is provided to replace access readers due to evolving technology, needed improvement of infrastructure, and the desire to reduce operating costs. Aviation is moving toward replacing the current airport identification badges with badges containing microchips that no longer need to be swiped and will enhance security.

Funding Schedule

| Funding Sources | FY16 | FY17 | FY18 | FY19 | FY20 | TOTAL |
|--------------------------------------|-------------------|-------------------|------------------|-------------------|-------------------|--------------------|
| Fund Balance/Aviation Funds/Interest | 5,181,000 | 4,751,000 | 5,275,000 | 18,337,000 | 25,945,000 | 59,489,000 |
| Federal/State Grants | 0 | 0 | 750,000 | 3,750,000 | 0 | 4,500,000 |
| Loans Issued/Bonds | 25,000,000 | 14,220,000 | 0 | 0 | 0 | 39,220,000 |
| TOTAL | 30,181,000 | 18,971,000 | 6,025,000 | 22,087,000 | 25,945,000 | 103,209,000 |

Funding Requirements

| | | | | | | |
|---|-------------------|-------------------|------------------|-------------------|-------------------|--------------------|
| Rehabilitation of North Airfield Pavements (Including 9L-27R & EMAS Beds) | 0 | 0 | 0 | 20,000,000 | 0 | 20,000,000 |
| Terminal 4 Federal Inspection Service (FIS) Facility | 25,000,000 | 0 | 0 | 0 | 0 | 25,000,000 |
| Loading Bridges | 0 | 0 | 0 | 0 | 24,000,000 | 24,000,000 |
| Vehicle Replacement | 295,000 | 150,000 | 145,000 | 225,000 | 155,000 | 970,000 |
| Equipment Replacement | 1,551,000 | 1,066,000 | 620,000 | 262,000 | 375,000 | 3,874,000 |
| Aircraft Rescue and Fire Fighting (ARFF) Truck 710 Replacement | 0 | 0 | 1,500,000 | 0 | 0 | 1,500,000 |
| FLL Stormwater Upgrades | 0 | 14,220,000 | 0 | 0 | 0 | 14,220,000 |
| Information Technology Software & Services Renewal and Replacement | 375,000 | 375,000 | 375,000 | 375,000 | 375,000 | 1,875,000 |
| Information Systems Renewal & Replacement | 2,110,000 | 3,160,000 | 2,885,000 | 1,225,000 | 1,040,000 | 10,420,000 |
| Tenant Relocations | 500,000 | 0 | 500,000 | 0 | 0 | 1,000,000 |
| Matrix Access System Reader Replacement | 350,000 | 0 | 0 | 0 | 0 | 350,000 |
| TOTAL | 30,181,000 | 18,971,000 | 6,025,000 | 22,087,000 | 25,945,000 | 103,209,000 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Improvement and Development

Funding Summary

| | Actual Expenses Through FY 14 | Modified FY 15 Budget | FY16-20 | | | | | | Total |
|---|-------------------------------|-----------------------|------------|-----|--------------|-----|------------|-----|-------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Facility Improvement Allowance | 1,160,733 | 2,795,143 | 0 | --- | 0 | --- | 3,750,000 | MY | 7,705,876 |
| Airport Master Plan and Airport Layout Plan | 0 | 3,348,487 | 2,200,000 | 16 | 0 | --- | 0 | --- | 5,548,487 |
| Mobile Application Development | 0 | 0 | 0 | --- | 0 | --- | 1,400,000 | MY | 1,400,000 |
| Airport Access Roadway System | 0 | 0 | 10,000,000 | 18 | 80,000,000 | 18 | 10,000,000 | 18 | 100,000,000 |
| Gate 504 Security Improvements | 0 | 0 | 250,000 | 16 | 1,550,000 | 16 | 0 | --- | 1,800,000 |
| Citation Ticket System | 0 | 0 | 0 | --- | 0 | --- | 30,000 | 16 | 30,000 |
| Parking Office Renovation - Hibiscus Garage | 0 | 0 | 100,000 | 16 | 400,000 | 16 | 0 | --- | 500,000 |
| Parking Revenue Control System | 0 | 0 | 0 | --- | 2,270,000 | MY | 0 | --- | 2,270,000 |
| Aviation's Share of ERP Implementation | 121,299 | 5,160,130 | 0 | --- | 0 | --- | 3,919,000 | 16 | 9,200,429 |
| Federal Aviation Regulation Part 150 Study | 0 | 1,500,000 | 1,000,000 | 16 | 0 | --- | 0 | --- | 2,500,000 |
| Automated Taxicab Dispatch Software Module | 970,162 | 1,029,032 | 0 | --- | 0 | --- | 390,000 | 16 | 2,389,194 |
| Security Infrastructure Project | 0 | 2,000,000 | 0 | --- | 8,000,000 | MY | 0 | --- | 10,000,000 |
| Land Acquisition | 0 | 0 | 0 | --- | 0 | --- | 5,000,000 | 16 | 5,000,000 |

Project Comments

- \$3.75 million funding has been provided for fiscal years 2016 through 2020 to fund projects stemming from the needs of the various divisions, which may include projects beyond the Maintenance department's staff capabilities, and may require a contractor to perform.
- In FY16, \$2.2 million is added to the \$3.3 million already budgeted to provide an update to the current FLL Airport Master Plan and Airport Layout Plan (ALP). The FLL Master Plan update was completed in 2010 for the first time since 1994. Due to proposed changes on the airfield related to CIP projects associated with runways, aprons, and facility expansions, a revised Master Plan is needed.
- In FY16 - FY20, \$1.4 million is provided to develop the FLL Mobile Application to include advertising opportunities for BCAD and FLL concessionaires. In addition, the mobile app can be further developed to provide customer service functionality to include discounts and incentives for our travelers and accurate wait time information at the checkpoints.
- In FY18, \$100 million is provided to improve the airport access roadway system by providing better access to the airport, circulation among the four terminals, the Rental Car Center, the airport's three parking garages and efficient egress to the interstate highway system. This project will address deficient roadway service levels, congestion and circulation problems caused by inadequate accessibility and insufficient capacity.

- In FY16, \$1.8 million is provided for a proactive security enhancement project to increase security to the south side of Terminal 4 complex of the airport. In addition, this improvement will allow the use of Gate 504 to relieve the over-capacity situation currently experienced at peak times at Gate 100. The project scope includes the following components: permanent structure with an extended canopy structure, restrooms, back-up power generation, 2 entry lanes with an additional lane for a staging/search area to be utilized for the inspection of vehicles, high speed gates, intrusion control technology, CCTV, retractable bollards, serpentine roadways and traffic signals.
- In FY16, \$30,000 is provided for a Citation Ticket System with handheld computers, software and printers for curbside use with unattended vehicles and solicitation activity.
- In FY16, \$500,000 is provided to improve the parking office located in the Hibiscus Garage to make it the focal point to process all parking transactions and to resolve customer service issues. The project will accomplish the following: 1) enhance the current lobby and service window to increase capacity, efficiency and aesthetic appeal; 2) reorganize office layout to obtain adequate space for approximately 200 staff and personal storage needs; 3) update office electronics to include a video wall and radio dispatch console; 4) build out office to include a dedicated training facility; and 5) apply interior painting and resurface flooring to reflect professional integrity.
- In FY16 - FY20, \$2,270,000 is provided for various hardware components to upgrade the parking access and revenue control system.
- In FY16, \$3,919,000 is added to pay for a portion of Aviation's anticipated share of a new Enterprise Resource Planning System. Upgrade of the financial system will provide improved integrated project management and financial management to the airport's capital projects, which is anticipated to exceed \$1 billion over the next 5 years.
- In FY16, an additional \$1 million is provided for a Federal Aviation Regulation Part 150 study, which is an in-depth process that involves working with the community to address its concerns, developing a detailed analysis of noise levels and variables, and creating a plan to reduce the impact of aircraft noise.
- In FY16, an additional \$390,000 is funded for an Automated Taxicab Dispatch Software Module and an outdoor dynamic display. The automated taxicab dispatch system will electronically detect when taxicabs are needed at the terminal ground transportation areas (GTA's) and display the order in which taxicabs will be dispatched from the taxicab hold lot and the intermediate staging area.
- In FY17-20, an additional \$8 million is funded to do a property analysis to determine assets in need of protection, identify risks that may affect assets, determine the probability of the identified risks, and to determine the impact or effect on the Broward County Aviation Department. These tasks are necessary to develop a comprehensive property recovery plan.
- In FY16, \$5 million is funded to purchase property that is experiencing flooding as a result of storm-runoff from the new South Runway.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

| Funding Sources | FY16 | FY17 | FY18 | FY19 | FY20 | TOTAL |
|---|-------------------|------------------|--------------------|------------------|------------------|--------------------|
| Fund Balance/Aviation Funds/Interest | 7,914,000 | 1,915,000 | 101,805,000 | (98,550,000) | 1,250,000 | 14,334,000 |
| Federal/State Grants | 3,725,000 | 1,800,000 | 1,800,000 | 51,800,000 | 1,800,000 | 60,925,000 |
| Bond Proceeds/Future Passenger Facility Charge-Backed Financing | 5,000,000 | 0 | 0 | 50,000,000 | 0 | 55,000,000 |
| TOTAL | 16,639,000 | 3,715,000 | 103,605,000 | 3,250,000 | 3,050,000 | 130,259,000 |

Funding Requirements

| | | | | | | |
|---|-------------------|------------------|--------------------|------------------|------------------|--------------------|
| Facility Improvement Allowance | 750,000 | 750,000 | 750,000 | 750,000 | 750,000 | 3,750,000 |
| Airport Master Plan and Airport Layout Plan | 2,200,000 | 0 | 0 | 0 | 0 | 2,200,000 |
| Mobile Application Development | 400,000 | 250,000 | 250,000 | 250,000 | 250,000 | 1,400,000 |
| Airport Access Roadway System | 0 | 0 | 100,000,000 | 0 | 0 | 100,000,000 |
| Gate 504 Security Improvements | 1,800,000 | 0 | 0 | 0 | 0 | 1,800,000 |
| Citation Ticket System | 30,000 | 0 | 0 | 0 | 0 | 30,000 |
| Parking Office Renovation - Hibiscus Garage | 500,000 | 0 | 0 | 0 | 0 | 500,000 |
| Parking Revenue Control System | 650,000 | 715,000 | 605,000 | 250,000 | 50,000 | 2,270,000 |
| Aviation's Share of ERP Implementation | 3,919,000 | 0 | 0 | 0 | 0 | 3,919,000 |
| Federal Aviation Regulation Part 150 Study | 1,000,000 | 0 | 0 | 0 | 0 | 1,000,000 |
| Automated Taxicab Dispatch Software Module | 390,000 | 0 | 0 | 0 | 0 | 390,000 |
| Security Infrastructure Project | 0 | 2,000,000 | 2,000,000 | 2,000,000 | 2,000,000 | 8,000,000 |
| Land Acquisition | 5,000,000 | 0 | 0 | 0 | 0 | 5,000,000 |
| TOTAL | 16,639,000 | 3,715,000 | 103,605,000 | 3,250,000 | 3,050,000 | 130,259,000 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

North Perry Projects

Funding Summary

| | Actual Expenses Through FY 14 | Modified FY 15 Budget | FY16-20 | | | | | | Total |
|---|-------------------------------|-----------------------|---------|----|--------------|-----|-------|-----|-----------|
| | | | Design | | Construction | | Other | | |
| | | | FY | | FY | | FY | | |
| Airport Master Plan and Airport Layout Plan | 0 | 0 | 700,000 | 16 | 0 | --- | 0 | --- | 700,000 |
| Runway 10R-28L Safety Enhancements | 0 | 0 | 200,000 | 19 | 3,800,000 | 19 | 0 | --- | 4,000,000 |

Project Comments

- In FY16, \$700,000 is provided for the North Perry Airport master plan. This plan was last updated in 2008. The Master Plan will address forecasted growth and infrastructure requirements in both the airside and landside of the North Perry Airport and will focus on economic development and sustainable development trends, as well as an evaluation of airfield pavement needs.
- In FY19, \$4 million is provided for runway 10R-28L safety enhancements. This runway is the main runway at the North Perry Airport (HWO). In accordance with the HWO 2009 Airport Master Plan and FDOT's 2012 pavement evaluation study, the pavement's useful life will end in 2019. The scope entails milling and overlay of pavement on the entire runway, replacing runway lighting, electrical duct work, vault upgrades, updating existing incandescent lighting to LED lighting, pavement edge sodding, marking and striping of the pavement.

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|---|-------------|-------------|-------------|-------------|-------------|--------------|
| Fund Balance/Aviation Funds/Interest | 95,000 | 0 | 0 | 200,000 | 0 | 295,000 |
| Federal/State Grants | 605,000 | 0 | 0 | 3,800,000 | 0 | 4,405,000 |
| TOTAL | 700,000 | 0 | 0 | 4,000,000 | 0 | 4,700,000 |
| Funding Requirements | | | | | | |
| Airport Master Plan and Airport Layout Plan | 700,000 | 0 | 0 | 0 | 0 | 700,000 |
| Runway 10R-28L Safety Enhancements | 0 | 0 | 0 | 4,000,000 | 0 | 4,000,000 |
| TOTAL | 700,000 | 0 | 0 | 4,000,000 | 0 | 4,700,000 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Airport Expansion Projects

Funding Summary

| | Actual Expenses Through FY 14 | Modified FY 15 Budget | FY16-20 | | | | | | Total |
|--|-------------------------------|-----------------------|-----------|-----|--------------|----|-------|-----|------------|
| | | | Design | | Construction | | Other | | |
| | | | FY | FY | FY | FY | FY | FY | |
| Checked Baggage Inspection System - Terminal 4 | 281,242 | 8,854,123 | 2,000,000 | 16 | 23,000,000 | 16 | 0 | --- | 34,135,365 |
| New FLL Security Facility | 69,910 | 3,345,090 | 0 | --- | 10,370,000 | 16 | 0 | --- | 13,785,000 |
| Taxiway H Construction | 0 | 0 | 0 | --- | 12,600,000 | 19 | 0 | --- | 12,600,000 |
| Taxiway M Construction | 0 | 0 | 0 | --- | 12,000,000 | 19 | 0 | --- | 12,000,000 |

Project Comments

- In FY16, \$25 million is provided for the design and construction of an automated checked baggage Inspection System for Terminal 4. This system consists of screening matrices, secondary screening areas, delivery and take-away belts and a physical plant to support the baggage screening operation. The existing baggage screening facility will be modified, which includes upgrading the existing mechanical, electrical, plumbing and life safety systems.
- In FY16, \$10,370,000 is added to funds already provided to build a new facility that will be BCAD's Emergency Operations Center (EOC). The current EOC will be displaced by T-3 Terminal Renovations. The new facility will also consolidate the main security functions for Fort Lauderdale-Hollywood International Airport. BCAD's security and credentialing personnel as well as BSO's airport law enforcement personnel will be headquartered at the new location.
- In FY19, \$12.6 million is provided for the rehabilitation of Taxiway H.
- In FY19, \$12 million is provided for the rehabilitation of Taxiway M.

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|--------------------------------------|-------------------|-------------|-------------|-------------------|-------------|-------------------|
| Fund Balance/Aviation Funds/Interest | 25,801,000 | 0 | 0 | 12,300,000 | 0 | 38,101,000 |
| Federal/State Grants | 2,784,000 | 0 | 0 | 12,300,000 | 0 | 15,084,000 |
| Loans Issued/Bonds | 6,785,000 | 0 | 0 | 0 | 0 | 6,785,000 |
| TOTAL | 35,370,000 | 0 | 0 | 24,600,000 | 0 | 59,970,000 |

Funding Requirements

| | | | | | | |
|--|-------------------|----------|----------|-------------------|----------|-------------------|
| Checked Baggage Inspection Sys-Teminal 4 | 25,000,000 | 0 | 0 | 0 | 0 | 25,000,000 |
| New FLL Security Facility | 10,370,000 | 0 | 0 | 0 | 0 | 10,370,000 |
| Taxiway H Construction | 0 | 0 | 0 | 12,600,000 | 0 | 12,600,000 |
| Taxiway M Construction | 0 | 0 | 0 | 12,000,000 | 0 | 12,000,000 |
| TOTAL | 35,370,000 | 0 | 0 | 24,600,000 | 0 | 59,970,000 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Aviation

PROJECT

Reserves

Funding Summary

| | Actual Expenses Through FY 14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|-------------------|-------------------------------|----------------------|---------|-----|--------------|-----|------------|----|------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Aviation Reserves | N/A | N/A | 0 | --- | 0 | --- | 96,631,850 | MY | 96,631,850 |

Project Comments

- The Aviation capital budget includes approximately \$19 million in reserves, which are carried over each year for contingencies.

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|--------------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Fund Balance/Aviation Funds/Interest | 18,970,200 | 19,157,430 | 19,328,320 | 19,500,830 | 19,675,070 | 96,631,850 |
| TOTAL | 18,970,200 | 19,157,430 | 19,328,320 | 19,500,830 | 19,675,070 | 96,631,850 |
| <u>Funding Requirements</u> | | | | | | |
| Aviation Reserves | 18,970,200 | 19,157,430 | 19,328,320 | 19,500,830 | 19,675,070 | 96,631,850 |
| TOTAL | 18,970,200 | 19,157,430 | 19,328,320 | 19,500,830 | 19,675,070 | 96,631,850 |

BROWARD COUNTY CAPITAL BUDGET**AVIATION RENEWAL AND REPLACEMENT FUND (4020)**

| REVENUES | <u>FY16</u> |
|--|---------------------|
| Interest Income | 15,130 |
| Less 5% | (760) |
| Transfer from Aviation Operating Fund (4010) | 5,181,000 |
| Fund Balance | 1,513,360 |
| Bond Proceeds | 25,000,000 |
| TOTAL | \$31,708,730 |

| APPROPRIATIONS | |
|--|---------------------|
| Terminal 4 Federal Inspection Service (FIS) Facility | 25,000,000 |
| Vehicle Replacement | 295,000 |
| Equipment Replacement | 1,551,000 |
| Information Technology Software & Services Renewal and Replacement | 375,000 |
| Information Systems Renewal & Replacement | 2,110,000 |
| Tenant Relocations | 500,000 |
| Matrix Access System Reader Replacement | 350,000 |
| Reserves | 1,527,730 |
| TOTAL | \$31,708,730 |

AVIATION FACILITIES IMPROVEMENTS AND DEVELOPMENT FUND (4040)

| REVENUES | <u>FY16</u> |
|--|---------------------|
| Interest Income | 19,210 |
| Less 5% | (960) |
| Federal Grant - FAA | 2,450,000 |
| State Grants | 275,000 |
| Transfer from Aviation Operating Fund (4010) | 8,913,570 |
| Fund Balance | 1,916,470 |
| Bond Proceeds | 5,000,000 |
| TOTAL | \$18,573,290 |

| APPROPRIATIONS | |
|---|---------------------|
| Facility Improvement Allowance | 750,000 |
| Airport Master Plan and Airport Layout Plan | 2,200,000 |
| Mobile Application Development | 400,000 |
| Gate 504 Security Improvements | 1,800,000 |
| Citation Ticket System | 30,000 |
| Parking Office Renovation - Hibiscus Garage | 500,000 |
| Parking Revenue Control System | 650,000 |
| Aviation's Share of ERP Implementation | 3,919,000 |
| Federal Aviation Regulation Part 150 Study | 1,000,000 |
| Automated Taxicab Dispatch Software Module | 390,000 |
| Land Acquisition | 5,000,000 |
| Reserves | 1,934,290 |
| TOTAL | \$18,573,290 |

AVIATION DISCRETIONARY FUND (4050)

| | | <u>FY16</u> |
|-----------------|--------------|--------------------|
| REVENUES | | |
| Fund Balance | | 2,990,840 |
| | TOTAL | \$2,990,840 |

| | | |
|---------------------------|--------------|--------------------|
| APPROPRIATIONS | | |
| Other Restricted Reserves | | 2,990,840 |
| | TOTAL | \$2,990,840 |

AVIATION NORTH PERRY FUND (4070)

| | | <u>FY16</u> |
|--|--------------|--------------------|
| REVENUES | | |
| Interest Earnings | | 3,340 |
| Less 5% | | (170) |
| Transfer from Aviation Operating Fund (4010) | | 95,000 |
| Federal Grant | | 270,000 |
| State Grant | | 335,000 |
| Fund Balance | | 333,630 |
| | TOTAL | \$1,036,800 |

| | | |
|---|--------------|--------------------|
| APPROPRIATIONS | | |
| Airport Master Plan and Airport Layout Plan | | 700,000 |
| Reserves | | 336,800 |
| | TOTAL | \$1,036,800 |

BROWARD COUNTY CAPITAL BUDGET

AVIATION AIRPORT EXPANSION PROGRAM 3 FUND (4221)

FY16

REVENUES

| | |
|--|---------------------|
| Interest Earnings | 119,610 |
| Less 5% | (5,970) |
| Federal Grants (TSA) | 2,784,320 |
| Transfer from PFC Fund (4080) | 22,215,680 |
| Transfer from Aviation Operating Fund (4010) | 3,585,000 |
| Bond Proceeds | 6,785,000 |
| Fund Balance | 11,927,340 |
| TOTAL | \$47,410,980 |

APPROPRIATIONS

| | |
|--|---------------------|
| Checked Baggage Inspection System - Terminal 4 | 25,000,000 |
| New FLL Security Facility | 10,370,000 |
| Reserves | 12,040,980 |
| TOTAL | \$47,410,980 |

RUNWAY 9R/27L EXTENSION AND ENABLING PROJECTS FUND (4400)

FY16

REVENUES

| | |
|-------------------|------------------|
| Interest Earnings | 1,380 |
| Less 5% | (70) |
| Fund Balance | 138,250 |
| TOTAL | \$139,560 |

APPROPRIATIONS

| | |
|--------------|------------------|
| Reserves | 139,560 |
| TOTAL | \$139,560 |

PORT EVERGLADES CAPITAL

| | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> |
|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|
| REVENUES | | | | | |
| State Grants* | 30,222,000 | 35,562,000 | 2,000,000 | 35,750,000 | 2,000,000 |
| Interest Income | 400,000 | 400,000 | 400,000 | 400,000 | 400,000 |
| Less 5% | (20,000) | (20,000) | (20,000) | (20,000) | (20,000) |
| Bond Proceeds/Financing | 53,602,080 | 99,836,020 | 140,077,480 | 68,096,380 | 49,115,030 |
| Transfer from Operating Fund | 47,472,980 | 45,020,000 | 45,020,000 | 45,020,000 | 45,020,000 |
| Fund Balance | 46,838,700 | 0 | 0 | 0 | 0 |
| TOTAL REVENUES | <u>\$178,515,760</u> | <u>\$180,798,020</u> | <u>\$187,477,480</u> | <u>\$149,246,380</u> | <u>\$96,515,030</u> |

*Included in the FY16-20 Capital Improvement Plan Budget are grant revenues from the State of Florida representing 75% cost share for the Southport Turning Notch Extension project pursuant to the Strategic Port Investment Initiative.

APPROPRIATIONS

General Infrastructure Facilities

| | | | | | |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Miscellaneous Infrastructure Improvements | 3,000,000 | 500,000 | 500,000 | 500,000 | 500,000 |
| Utility Infrastructure Improvements | 550,000 | 550,000 | 550,000 | 550,000 | 550,000 |
| Annual Fender, Mooring & Bollard Improvements | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 |
| Port Capital Maintenance | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 100,000 |
| Subtotal | <u>5,050,000</u> | <u>2,550,000</u> | <u>2,550,000</u> | <u>2,550,000</u> | <u>1,650,000</u> |

2014 Master Plan Projects - Midport

| | | | | | |
|--------------------------------------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|
| Cruise Terminal 25 | 12,500,000 | 12,500,000 | 0 | 0 | 0 |
| Multimodal Facility - Phase 1 | 0 | 1,500,000 | 1,500,000 | 16,000,000 | 21,800,000 |
| New Bulkheads at Berths 16, 17, & 18 | 0 | 1,150,000 | 1,150,000 | 11,600,000 | 11,600,000 |
| New Bulkheads at Berths 21 & 22 | 0 | 0 | 1,900,000 | 9,300,000 | 9,300,000 |
| Subtotal | <u>12,500,000</u> | <u>15,150,000</u> | <u>4,550,000</u> | <u>36,900,000</u> | <u>42,700,000</u> |

2014 Master Plan Projects - Northport Improvements

| | | | | | |
|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Terminal 4 Parking Garage | 0 | 0 | 0 | 2,000,000 | 17,000,000 |
| New Bulkheads at Berths 1, 2 & 3 | 1,150,000 | 1,150,000 | 11,300,000 | 11,300,000 | 0 |
| Neo-Bulk Storage Area | 3,500,000 | 3,500,000 | 0 | 0 | 0 |
| Slip 1 New Bulkheads at Berths 9 & 10 | 30,950,000 | 30,950,000 | 0 | 0 | 0 |
| Slip 3 Berths 14 & 15 | 0 | 0 | 0 | 0 | 7,500,000 |
| Subtotal | <u>35,600,000</u> | <u>35,600,000</u> | <u>11,300,000</u> | <u>13,300,000</u> | <u>24,500,000</u> |

PORT EVERGLADES CAPITAL

| | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <u>2014 Master Plan Projects - Southport Improvements</u> | | | | | |
| Southport Turning Notch Expansion - Contracts 1 & 2 | 56,750,000 | 36,750,000 | 71,052,750 | 0 | 0 |
| Mitigation for Westlake Improvements (Southport Turning Notch) | 1,187,070 | 0 | 0 | 0 | 0 |
| Super Post Panamax Cranes | 7,500,000 | 7,500,000 | 0 | 0 | 0 |
| McIntosh Gate Improvement | 1,420,000 | 0 | 0 | 0 | 0 |
| Phase 9a Container Yard | 0 | 900,000 | 8,800,000 | 0 | 0 |
| Container Yards Densification/Improvements | 0 | 0 | 3,000,000 | 15,350,000 | 15,350,000 |
| FPC/FSTED Grant Administrative | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 |
| Subtotal | <u>66,907,070</u> | <u>45,200,000</u> | <u>82,902,750</u> | <u>15,400,000</u> | <u>15,400,000</u> |
| <u>2014 Master Plan Projects - Portwide</u> | | | | | |
| ACOE Deepening & Widening | 0 | 45,000,000 | 68,750,000 | 68,750,000 | 0 |
| Mitigation for Westlake (ACOE Deepening & Widening) | 9,500,000 | 0 | 0 | 0 | 0 |
| Subtotal | <u>9,500,000</u> | <u>45,000,000</u> | <u>68,750,000</u> | <u>68,750,000</u> | <u>0</u> |
| <u>Other Port Capital</u> | | | | | |
| Annual Crane Parts & Support | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 |
| Annual Spare Parts for Loading Bridges | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 |
| Crane Improvements/Replacements | 250,000 | 5,000,000 | 5,600,000 | 600,000 | 0 |
| General Architectural/Engineering Services | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 |
| General Terminal Improvements | 2,240,000 | 2,000,000 | 2,000,000 | 2,000,000 | 2,000,000 |
| In-House Labor & Overhead | 600,000 | 778,000 | 778,000 | 778,000 | 778,000 |
| Inlet Management Plan | 3,420,000 | 0 | 0 | 0 | 0 |
| Matching Funds for Port Security | 1,101,000 | 440,000 | 305,000 | 160,000 | 610,000 |
| Miscellaneous Terminal Improvements | 1,735,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| New Public Works Facility Building | 0 | 3,600,000 | 0 | 0 | 0 |
| New Electrical Sub-Station | 15,000,000 | 0 | 0 | 0 | 0 |
| Port Information Technology Systems | 494,000 | 130,000 | 105,000 | 105,000 | 105,000 |
| Renew/Replace Equipment | 2,124,700 | 1,093,000 | 1,065,000 | 1,065,000 | 1,065,000 |
| Seaport Engineering & Construction Division Expenses | 2,143,990 | 2,157,020 | 2,221,730 | 2,288,380 | 2,357,030 |
| Southport Gantry Cranes Civil/Electrical/Site | 15,500,000 | 16,750,000 | 0 | 0 | 0 |
| Terminal 18 Meg & Tunnel Modifications | 650,000 | 650,000 | 650,000 | 650,000 | 650,000 |
| Subtotal | <u>45,958,690</u> | <u>34,298,020</u> | <u>14,424,730</u> | <u>9,346,380</u> | <u>9,265,030</u> |

PORT EVERGLADES CAPITAL

| | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> |
|---------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|
| <u>Reserves</u> | | | | | |
| Reserve for Renewal/Replacement | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 |
| Subtotal | <u>3,000,000</u> | <u>3,000,000</u> | <u>3,000,000</u> | <u>3,000,000</u> | <u>3,000,000</u> |
| TOTAL APPROPRIATIONS | <u>\$ 178,515,760</u> | <u>\$ 180,798,020</u> | <u>\$ 187,477,480</u> | <u>\$ 149,246,380</u> | <u>\$ 96,515,030</u> |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Port Everglades

PROJECT

General Infrastructure Facilities

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|---|------------------------------|----------------------|---------|----|--------------|----|-----------|----|-----------|
| | | | Design | | Construction | | Other | | |
| | | | FY | FY | FY | FY | FY | FY | |
| Miscellaneous Infrastructure Improvements | N/A | N/A | 0 | -- | 0 | -- | 5,000,000 | MY | 5,000,000 |
| Utility Infrastructure Improvements | N/A | N/A | 0 | -- | 0 | -- | 2,750,000 | MY | 2,750,000 |
| Annual Fender, Mooring & Bollard Improvements | N/A | N/A | 0 | -- | 0 | -- | 2,500,000 | MY | 2,500,000 |
| Port Capital Maintenance | N/A | N/A | 0 | -- | 0 | -- | 4,100,000 | MY | 4,100,000 |

Project Comments

- Funding is provided annually for routine maintenance and improvements for electrical, water and sewer systems, lighting, paved areas, seawalls, piers and docks. In addition, annual funding is provided for upgrades and improvements to the existing fender and mooring systems which protect berths and bulkheads from direct contact with ships.

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|---|-------------|-------------|-------------|-------------|-------------|--------------|
| Fund Balance/Operating Revenues | 5,050,000 | 2,550,000 | 2,550,000 | 2,550,000 | 1,650,000 | 14,350,000 |
| TOTAL | 5,050,000 | 2,550,000 | 2,550,000 | 2,550,000 | 1,650,000 | 14,350,000 |
| <u>Funding Requirements</u> | | | | | | |
| Miscellaneous Infrastructure Improvements | 3,000,000 | 500,000 | 500,000 | 500,000 | 500,000 | 5,000,000 |
| Utility Infrastructure Improvements | 550,000 | 550,000 | 550,000 | 550,000 | 550,000 | 2,750,000 |
| Annual Fender, Mooring & Bollard Improvements | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 | 2,500,000 |
| Port Capital Maintenance | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 100,000 | 4,100,000 |
| TOTAL | 5,050,000 | 2,550,000 | 2,550,000 | 2,550,000 | 1,650,000 | 14,350,000 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Port Everglades

PROJECT

2014 Master Plan - Midport Improvements

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|--------------------------------------|------------------------------|----------------------|-----------|----|--------------|----|-------|----|------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Cruise Terminal 25 | 0 | 1,400,000 | 0 | -- | 25,000,000 | MY | 0 | -- | 26,400,000 |
| Multimodal Facility - Phase 1 | 0 | 0 | 1,500,000 | 17 | 39,300,000 | MY | 0 | -- | 40,800,000 |
| New Bulkheads at Berths 16, 17, & 18 | 0 | 0 | 2,300,000 | MY | 23,200,000 | MY | 0 | -- | 25,500,000 |
| New Bulkheads at Berths 21 & 22 | 0 | 0 | 1,900,000 | 18 | 18,600,000 | MY | 0 | -- | 20,500,000 |

Project Comments

- \$25 million is programmed for improvements to Cruise Terminal 25 to accommodate larger passenger ships including increasing the baggage-handling area.
- \$40.8 million is appropriated in FY17-20 for the design and construction of a multimodal center centrally located for the loading and unloading of buses, shuttles, and taxis. This center will also provide 4,000 additional parking spaces at Midport.
- \$46 million is programmed over the next five years to replace existing bulkheads at Berths 16, 17, 18, 21 and 22.

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|---------------------------------|-------------------|-------------------|------------------|-------------------|-------------------|--------------------|
| Fund Balance/Operating Revenues | 10,672,980 | 15,150,000 | 4,550,000 | 5,730,000 | 15,404,970 | 51,507,950 |
| Bond Proceeds/Financing | 1,827,020 | 0 | 0 | 31,170,000 | 27,295,030 | 60,292,050 |
| TOTAL | 12,500,000 | 15,150,000 | 4,550,000 | 36,900,000 | 42,700,000 | 111,800,000 |

Funding Requirements

| | | | | | | |
|--------------------------------------|-------------------|-------------------|------------------|-------------------|-------------------|--------------------|
| Cruise Terminal 25 | 12,500,000 | 12,500,000 | 0 | 0 | 0 | 25,000,000 |
| Multimodal Facility - Phase 1 | 0 | 1,500,000 | 1,500,000 | 16,000,000 | 21,800,000 | 40,800,000 |
| New Bulkheads at Berths 16, 17, & 18 | 0 | 1,150,000 | 1,150,000 | 11,600,000 | 11,600,000 | 25,500,000 |
| New Bulkheads at Berths 21 & 22 | 0 | 0 | 1,900,000 | 9,300,000 | 9,300,000 | 20,500,000 |
| TOTAL | 12,500,000 | 15,150,000 | 4,550,000 | 36,900,000 | 42,700,000 | 111,800,000 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
2014 Master Plan - Northport Improvements

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|---|------------------------------|----------------------|-----------|-----|--------------|----|-------|-----|------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Terminal 4 Parking Garage | 0 | 0 | 2,000,000 | 19 | 17,000,000 | 20 | 0 | -- | 19,000,000 |
| New Bulkheads at Berths 1, 2,3 | 0 | 4,500,000 | 2,300,000 | MY | 22,600,000 | MY | 0 | -- | 29,400,000 |
| Neo-Bulk Storage Area | 0 | 700,000 | 0 | --- | 7,000,000 | MY | 0 | -- | 7,700,000 |
| Slip 1 New Bulkheads at Berths 9 & 10 Phase I | 0 | 22,030,000 | 0 | --- | 61,900,000 | MY | 0 | -- | 83,930,000 |
| Slip 3 Berths 14 & 15 | 0 | 0 | 0 | --- | 7,500,000 | 20 | 0 | --- | 7,500,000 |

Project Comments

- \$19 million is programmed for a new 1,680 space parking garage located west of terminal 4.
- Over the 5 year capital program, \$24.9 million is programmed for the replacement of existing bulkheads at Berths 1,2, and 3.
- \$7 million is programmed in FY16-17 for the development of a new liquid bulk terminal at the port.
- \$69.4 million is programmed in FY16-20 for the construction of new bulkheads at Berths 9, 10, 14 and 15.

Funding Schedule

| Funding Sources | FY16 | FY17 | FY18 | FY19 | FY20 | TOTAL |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Fund Balance/Operating Revenues | 6,000,000 | 0 | 0 | 11,373,620 | 2,680,000 | 20,053,620 |
| State Grants* | 0 | 6,000,000 | 0 | 0 | 0 | 6,000,000 |
| Bond Proceeds/Financing | 29,600,000 | 29,600,000 | 11,300,000 | 1,926,380 | 21,820,000 | 94,246,380 |
| TOTAL | 35,600,000 | 35,600,000 | 11,300,000 | 13,300,000 | 24,500,000 | 120,300,000 |

Funding Requirements

| | | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Terminal 4 Parking Garage | 0 | 0 | 0 | 2,000,000 | 17,000,000 | 19,000,000 |
| New Bulkheads at Berths 1, 2,3 | 1,150,000 | 1,150,000 | 11,300,000 | 11,300,000 | 0 | 24,900,000 |
| Neo-Bulk Storage Area | 3,500,000 | 3,500,000 | 0 | 0 | 0 | 7,000,000 |
| Slip 1 New Bulkheads at Berths 9 & 10 Phase I | 30,950,000 | 30,950,000 | 0 | 0 | 0 | 61,900,000 |
| Slip 3 Berths 14 & 15 | 0 | 0 | 0 | 0 | 7,500,000 | 7,500,000 |
| TOTAL | 35,600,000 | 35,600,000 | 11,300,000 | 13,300,000 | 24,500,000 | 120,300,000 |

*The timing in which grants are received may vary from the actual appropriations of expenditures relating to capital projects.

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Port Everglades

PROJECT

2014 Master Plan - Southport Improvements

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|--|------------------------------|----------------------|-----------|----|--------------|----|------------|----|-------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Southport Turning Notch Expansion-Contracts 1 & 2 | 9,179,268 | 96,621,426 | 0 | -- | 164,552,750 | MY | 0 | -- | 270,353,444 |
| Mitigation for Westlake Improvements (Southport Turning Notch) | 1,463,589 | 4,900,000 | 0 | -- | 1,187,070 | 16 | 0 | -- | 7,550,659 |
| Super Post Panamax Cranes | 1,135,735 | 19,918,159 | 0 | -- | 0 | -- | 15,000,000 | MY | 36,053,894 |
| McIntosh Gate Improvement | 0 | 280,000 | 0 | -- | 1,420,000 | 16 | 0 | -- | 1,700,000 |
| Phase 9a Container Yard | 370 | 8,910,627 | 0 | -- | 900,000 | 17 | 8,800,000 | 18 | 18,610,997 |
| Container Yards Densification/Improvement | 0 | 0 | 3,000,000 | 18 | 30,700,000 | MY | 0 | -- | 33,700,000 |
| FPC/FSTED Grant Administrative Fees | N/A | N/A | 0 | -- | 0 | -- | 250,000 | MY | 250,000 |

Project Comments

- \$164.5 million is programmed in FY16-18 for the Southport Turning Notch expansion of Berth 30 and the addition of a new berth for the importation of crushed rock aggregate.
- \$1.18 million is budgeted in FY16 for the mitigation of 8.5 acres of mangrove wetland (Westlake) during the construction of the Southport Turning Notch Expansion.
- In FY16 and FY17, \$15 million is programmed for the acquisition of a new post-panama gantry crane to be positioned at the proposed Berth 34/Southport Turning Notch Expansion location.
- \$1.42 million is budgeted in FY16 for modifications to the McIntosh Road Security checkpoint.
- In FY17 and FY18, \$9.7 million is programmed for the design and construction of two new container yards (Phase 9a) located west of the McIntosh Road.
- \$33.7 million is programmed in FY18-20 for the installation of rubber tire gantries to increase container storage densification in the container yard.
- \$250,000 is programmed over 5 years for administrative grant fees associated with the Southport Turning Notch Expansion project.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

| Funding Sources | FY16 | FY17 | FY18 | FY19 | FY20 | TOTAL |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Fund Balance/Operating Revenues | 26,670,010 | 15,638,000 | 22,875,270 | 15,400,000 | 15,400,000 | 95,983,280 |
| State Grants* | 27,562,000 | 29,562,000 | 0 | 0 | 0 | 57,124,000 |
| Bond Proceeds/Financing | 12,675,060 | 0 | 60,027,480 | 0 | 0 | 72,702,540 |
| TOTAL | 66,907,070 | 45,200,000 | 82,902,750 | 15,400,000 | 15,400,000 | 225,809,820 |

Funding Requirements

| | | | | | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Southport Turning Notch Expansion-Contracts 1 & 2 | 56,750,000 | 36,750,000 | 71,052,750 | 0 | 0 | 164,552,750 |
| Mitigation for Westlake Improvements | 1,187,070 | 0 | 0 | 0 | 0 | 1,187,070 |
| Super Post Panamax Cranes | 7,500,000 | 7,500,000 | 0 | 0 | 0 | 15,000,000 |
| McIntosh Gate Improvement | 1,420,000 | 0 | 0 | 0 | 0 | 1,420,000 |
| Phase 9a Container Yard | 0 | 900,000 | 8,800,000 | 0 | 0 | 9,700,000 |
| Container Yards Densification/Improvement | 0 | 0 | 3,000,000 | 15,350,000 | 15,350,000 | 33,700,000 |
| FPC/FSTED Grant Administrative Fees | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 250,000 |
| TOTAL | 66,907,070 | 45,200,000 | 82,902,750 | 15,400,000 | 15,400,000 | 225,809,820 |

*The timing in which grants are received may vary from the actual appropriations of expenditures relating to capital projects.

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
2014 Master Plan Projects - Portwide

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|---|------------------------------|----------------------|---------|----|--------------|----|-------|----|-------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| ACOE Deepening & Widening | 0 | 5,500,000 | 0 | -- | 182,500,000 | MY | 0 | -- | 188,000,000 |
| Mitigation for Westlake (ACOE Deepening & Widening) | 189,053 | 9,117,150 | 0 | -- | 9,500,000 | 16 | 0 | -- | 18,806,203 |

Project Comments

- \$182.5 million is programmed over the 5-year capital program to improve navigational channels and deepen the Intracoastal Waterway to allow for larger vessels at Port Everglades.
- \$9.5 million is programmed in FY16 for the construction of Westlake Mitigation for the Army Corp of Engineers (ACOE) Deepening and Widening project.

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|---|-------------|-------------|-------------|-------------|-------------|--------------|
| State Grants* | 0 | 0 | 0 | 33,750,000 | 0 | 33,750,000 |
| Bond Proceeds/Financing | 9,500,000 | 45,000,000 | 68,750,000 | 35,000,000 | 0 | 158,250,000 |
| TOTAL | 9,500,000 | 45,000,000 | 68,750,000 | 68,750,000 | 0 | 192,000,000 |
| <u>Funding Requirements</u> | | | | | | |
| ACOE Deepening & Widening | 0 | 45,000,000 | 68,750,000 | 68,750,000 | 0 | 182,500,000 |
| Mitigation for Westlake (ACOE Deepening & Widening) | 9,500,000 | 0 | 0 | 0 | 0 | 9,500,000 |
| TOTAL | 9,500,000 | 45,000,000 | 68,750,000 | 68,750,000 | 0 | 192,000,000 |

*The timing in which grants are received may vary from the actual appropriations of expenditures relating to capital projects.

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
Other Port Capital Improvements

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|--|------------------------------|----------------------|---------|-----|--------------|-----|------------|----|------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Annual Crane Parts & Support | N/A | N/A | 0 | -- | 0 | -- | 1,500,000 | MY | 1,500,000 |
| Annual Spare Parts for Loading Bridges | N/A | N/A | 0 | -- | 0 | -- | 500,000 | MY | 500,000 |
| Crane Improvements/Replacements | 0 | 0 | 0 | -- | 0 | -- | 11,450,000 | MY | 11,450,000 |
| General Architectural/Engineering Services | N/A | N/A | 0 | -- | 0 | -- | 1,500,000 | MY | 1,500,000 |
| General Terminal Improvements | N/A | N/A | 0 | -- | 0 | -- | 10,240,000 | MY | 10,240,000 |
| In-House Labor & Overhead | N/A | N/A | 0 | -- | 0 | -- | 3,712,000 | MY | 3,712,000 |
| Inlet Management Plan | 0 | 0 | 0 | -- | 0 | -- | 3,420,000 | 16 | 3,420,000 |
| Matching Funds for Port Security Grant | N/A | N/A | 0 | -- | 0 | -- | 2,616,000 | MY | 2,616,000 |
| Miscellaneous Terminal Improvements | N/A | N/A | 0 | -- | 0 | -- | 5,735,000 | MY | 5,735,000 |
| New Public Works Facility Building | 0 | 392,000 | 0 | -- | 0 | -- | 3,600,000 | 17 | 3,992,000 |
| New Electrical Sub-Station | 0 | 0 | 0 | -- | 15,000,000 | 16 | 0 | -- | 15,000,000 |
| Port Information Technology Systems | N/A | N/A | 0 | --- | 0 | --- | 939,000 | MY | 939,000 |
| Renew/Replace Equipment | N/A | N/A | 0 | --- | 0 | --- | 6,412,700 | MY | 6,412,700 |
| Seaport Engineering & Construction Division Expenses | N/A | N/A | 0 | --- | 0 | --- | 11,168,150 | MY | 11,168,150 |
| Southport Gantry Cranes Civil/Electrical/Site | N/A | 33,500,000 | 0 | --- | 0 | --- | 32,250,000 | MY | 32,250,000 |
| Terminal 18 Meg & Tunnel Modifications | 0 | 4,800,000 | 0 | --- | 0 | --- | 3,250,000 | MY | 3,250,000 |

Project Comments

- \$1.5 million is provided for replacement and improvement for crane parts and support.

- \$500,000 is provided over the course of the 5-year capital program for spare parts for loading bridges, continued maintenance of the port's terminals, buildings and loading bridges.
- \$11.4 million is programmed in FY16-20 for the upgrades of seven cranes, new crane hardware and replacement equipment.
- \$1.5 million is programmed over the course of the 5-year capital program for general architectural and engineering services.
- \$15.9 million is programmed in FY16-20 for general and miscellaneous improvements to cruise terminals.
- In FY16, \$3.4 million is budgeted for the Port's share of the installation of the sand bypass system at the entrance channel to the port.
- In FY17, \$3.6 million is programmed for the construction of a new public works building.
- In FY16, \$15 million is budgeted for the construction of an electrical distribution sub-station to address current and future electrical power needs at the port.
- Annual funding is provided for equipment, software and services to maintain an optimum technological environment. Improved technology will provide for greater operational efficiencies.
- Funding is provided in FY16-20 for the Seaport Engineering and Construction Division. Funding for personal services, on-going operating and one-time capital expenses is provided for the staff of 20, which includes architects, engineers, planners, environmentalists and support staff.
- \$32.2 million is programmed in FY16 and FY17 for the construction of a new waterside and landside girders, upgrades to existing waterside girders and associated civil, electrical and site improvements as well as a new switchgear building for the new Southport cranes.
- Over the course of the 5-year capital program, \$3.2 million is budgeted for modifications to the Terminal 18 passenger loading bridge mobile elevated gangways (MEG) and adds length to the fixed tunnel connecting Terminal 18 to cruise ships.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

| Funding Sources | FY16 | FY17 | FY18 | FY19 | FY20 | TOTAL |
|---------------------------------|-------------------|-------------------|-------------------|------------------|------------------|--------------------|
| Fund Balance/Operating Revenues | 43,298,690 | 9,062,000 | 12,424,730 | 7,346,380 | 7,265,030 | 79,396,830 |
| State Grants* | 2,660,000 | 0 | 2,000,000 | 2,000,000 | 2,000,000 | 8,660,000 |
| Bond Proceeds/Financing | 0 | 25,236,020 | 0 | 0 | 0 | 25,236,020 |
| TOTAL | 45,958,690 | 34,298,020 | 14,424,730 | 9,346,380 | 9,265,030 | 113,292,850 |

Funding Requirements

| | | | | | | |
|--|-------------------|-------------------|-------------------|------------------|------------------|--------------------|
| Annual Crane Parts & Support | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 |
| Annual Spare Parts for Loading Bridges | 100,000 | 100,000 | 100,000 | 100,000 | 100,000 | 500,000 |
| Crane Improvements/Replacements | 250,000 | 5,000,000 | 5,600,000 | 600,000 | 0 | 11,450,000 |
| General Architectural/Engineering Services | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 | 1,500,000 |
| General Terminal Improvements | 2,240,000 | 2,000,000 | 2,000,000 | 2,000,000 | 2,000,000 | 10,240,000 |
| In-House Labor & Overhead | 600,000 | 778,000 | 778,000 | 778,000 | 778,000 | 3,712,000 |
| Inlet Management Plan | 3,420,000 | 0 | 0 | 0 | 0 | 3,420,000 |
| Matching Funds for Port Security Grant | 1,101,000 | 440,000 | 305,000 | 160,000 | 610,000 | 2,616,000 |
| Miscellaneous Terminal Improvements | 1,735,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 | 5,735,000 |
| New Public Works Facility Building | 0 | 3,600,000 | 0 | 0 | 0 | 3,600,000 |
| New Electrical Sub-Station | 15,000,000 | 0 | 0 | 0 | 0 | 15,000,000 |
| Port Information Technology Systems | 494,000 | 130,000 | 105,000 | 105,000 | 105,000 | 939,000 |
| Renew/Replace Equipment | 2,124,700 | 1,093,000 | 1,065,000 | 1,065,000 | 1,065,000 | 6,412,700 |
| Seaport Engineering & Construction Division Expenses | 2,143,990 | 2,157,020 | 2,221,730 | 2,288,380 | 2,357,030 | 11,168,150 |
| Southport Gantry Cranes Civil/Electrical/Site | 15,500,000 | 16,750,000 | 0 | 0 | 0 | 32,250,000 |
| Terminal 18 Meg & Tunnel Modifications | 650,000 | 650,000 | 650,000 | 650,000 | 650,000 | 3,250,000 |
| TOTAL | 45,958,690 | 34,298,020 | 14,424,730 | 9,346,380 | 9,265,030 | 113,292,850 |

*The timing in which grants are received may vary from the actual appropriations of expenditures relating to capital projects.

BROWARD COUNTY CAPITAL BUDGET

PROGRAM
Port Everglades

PROJECT
Port Everglades Reserves

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | |
|---------------------------------|------------------------------|----------------------|---------|----|--------------|----|------------|----|------------|
| | | | Design | FY | Construction | FY | Other | FY | Total |
| Reserve for Renewal/Replacement | N/A | N/A | 0 | -- | 0 | -- | 15,000,000 | MY | 15,000,000 |

Project Comments

- \$15 million is programmed for reserve for renewal and replacement over the 5 year capital program.

Funding Schedule

| Funding Sources | FY16 | FY17 | FY18 | FY19 | FY20 | TOTAL |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Fund Balance/Operating Revenues | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 15,000,000 |
| TOTAL | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 15,000,000 |
| Funding Requirements | | | | | | |
| Reserve for Renewal/Replacement | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 15,000,000 |
| TOTAL | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 3,000,000 | 15,000,000 |

WATER AND WASTEWATER CAPITAL

| | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> |
|---|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|
| REVENUES | | | | | |
| User Fees | 22,715,190 | 24,294,850 | 28,897,780 | 33,067,300 | 16,339,000 |
| Capital Recovery Charges | 2,000,000 | 2,000,000 | 2,000,000 | 1,700,000 | 1,700,000 |
| Future Bond Proceeds | 61,600,000 | 98,400,000 | 47,250,000 | 91,550,000 | 6,000,000 |
| TOTAL REVENUES | <u>\$86,315,190</u> | <u>\$124,694,850</u> | <u>\$78,147,780</u> | <u>\$126,317,300</u> | <u>\$24,039,000</u> |
| APPROPRIATIONS | | | | | |
| <u>Retail Water & Wastewater</u> | | | | | |
| Admin Complex HVAC Improvements | 375,000 | 0 | 0 | 0 | 0 |
| Admin. Complex Roof, Bldgs. 2, 3, 4,5 & 6 | 0 | 2,750,000 | 0 | 0 | 0 |
| Admin. Complex Stucco & Painting | 770,000 | 0 | 0 | 0 | 0 |
| Capital Project Support | 1,073,370 | 1,752,040 | 1,905,920 | 1,608,000 | 2,951,000 |
| CIS/Utility Billing System | 200,000 | 0 | 0 | 0 | 0 |
| Davis Isles New Sewers & Water Main Replacement | 0 | 0 | 140,000 | 1,540,000 | 0 |
| Developer Agreement Funding | 300,000 | 300,000 | 300,000 | 300,000 | 300,000 |
| Facilities Security System Upgrades | 3,671,340 | 2,520,210 | 0 | 0 | 0 |
| Facilities Rehabilitation | 400,000 | 400,000 | 300,000 | 500,000 | 300,000 |
| Facility Chlorination System 3B | 63,000 | 456,000 | 0 | 0 | 0 |
| High Service Pump Replacement | 118,000 | 5,064,510 | 0 | 0 | 0 |
| Hillsboro Mile Wastewater System Improvements | 0 | 1,000,000 | 0 | 0 | 0 |
| Hillsboro Pines NIP | 20,860 | 0 | 0 | 0 | 0 |
| Inter-Digital Communications System | 1,000,000 | 0 | 0 | 0 | 0 |
| Intl. Airport Booster Pump Station | 0 | 3,500,000 | 0 | 0 | 0 |
| Lift Station Rehabilitation | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 | 1,800,000 |
| Lift Station 310 and Force Main | 820 | 0 | 0 | 0 | 0 |
| Master Pump Station 220 Rehabilitation | 0 | 0 | 647,450 | 1,779,980 | 0 |
| Master Pump Station 221 Rehabilitation | 0 | 3,200,190 | 0 | 0 | 0 |

BROWARD COUNTY CAPITAL BUDGET

| | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Master Pump Station 224 Rehabilitation | 2,950,000 | 0 | 0 | 0 | 0 |
| Master Pump Station 226 Improvements | 1,370,000 | 0 | 0 | 0 | 0 |
| Multi-District Inflow/Infiltration Reduction Program | 1,500,000 | 1,000,000 | 1,000,000 | 1,000,000 | 1,000,000 |
| Potable Water Storage Tank Repairs | 2,050,000 | 0 | 0 | 0 | 0 |
| Rehabilitation of Treatment Units 1A & 2A | 1,115,000 | 115,000 | 0 | 0 | 0 |
| Retail Facility Demolition | 945,000 | 0 | 0 | 0 | 0 |
| Septic Tank Elimination Program | 2,200,000 | 2,200,000 | 2,200,000 | 2,200,000 | 400,000 |
| Short Line Extensions & Relocations | 800,000 | 700,000 | 500,000 | 500,000 | 500,000 |
| Sludge Handling System Improvement WTP 1A & 2A | 0 | 0 | 3,150,000 | 0 | 0 |
| UAZ* 108 Water/Sewer Pipe Improvements | 0 | 0 | 1,090,000 | 10,520,000 | 1,090,000 |
| UAZ* 110/111 Water/ Sewer Pipe Improvements | 0 | 1,700,000 | 15,820,000 | 8,720,000 | 800,000 |
| UAZ* 113 Water/Sewer Pipe Improvements | 2,650,000 | 25,040,000 | 2,650,000 | 0 | 0 |
| UAZ* 122/123 Water/ Sewer Pipe Improvements | 868,000 | 9,385,000 | 888,000 | 11,865,000 | 0 |
| Water Storage Tank 1A2 | 29,270 | 0 | 5,086,640 | 0 | 0 |
| Water Storage Tank 1B1 | 162,000 | 4,454,800 | 0 | 0 | 0 |
| Water Storage Tank 2A | 1,105,400 | 0 | 676,000 | 0 | 0 |
| Water Storage Tank Facility 3A | 0 | 2,845,540 | 0 | 0 | 0 |
| Water Supply Improv. Alternatives WTP 1A | 0 | 0 | 0 | 23,079,320 | 0 |
| Water System Improvements 3C | 0 | 0 | 6,000,000 | 0 | 10,000,000 |
| Water Treatment Plant Chemical Feed System Improvements | 3,050,000 | 0 | 0 | 0 | 0 |
| Water Treatment Plant Expansion 2A | 0 | 0 | 0 | 0 | 3,336,000 |
| Subtotal | <u>30,587,060</u> | <u>70,183,290</u> | <u>44,154,010</u> | <u>65,412,300</u> | <u>22,477,000</u> |
| <u>Regional Treatment</u> | | | | | |
| Capital Project Support | 1,709,460 | 1,256,540 | 978,100 | 1,535,000 | 123,000 |
| NRWWTP* Capacity Improvement | 6,276,350 | 0 | 0 | 0 | 0 |

BROWARD COUNTY CAPITAL BUDGET

| | | | | | |
|--|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------|
| NRWWTP* Disposal System - Transmission System | 9,010,800 | 42,600,000 | 0 | 0 | 0 |
| | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> |
| NRWWTP* - Emergency Power System | 0 | 3,700,000 | 0 | 13,000,000 | 0 |
| NRWWTP* - Facilities Improvements | 13,950,000 | 0 | 21,808,800 | 45,000,000 | 0 |
| NRWWTP* - HVAC System Replacement | 1,550,000 | 0 | 0 | 0 | 0 |
| NRWWTP* Load Center and Motor Control Centers | 5,206,200 | 0 | 0 | 0 | 0 |
| NRWWTP* Modules A, B, and D Fine Bubble Conversion | 8,000,000 | 0 | 0 | 0 | 0 |
| NRWWTP* Rehabilitation | 800,000 | 800,000 | 800,000 | 800,000 | 800,000 |
| NRWWTP* Steel Structure Repair and Replacement | 169,560 | 400,000 | 0 | 0 | 0 |
| Regional Master Meter Improvements | 0 | 0 | 5,352,300 | 0 | 0 |
| Septage Receiving Facility Operations/Admin. Bldg. | 1,675,000 | 0 | 0 | 0 | 0 |
| Subtotal | <u>48,347,370</u> | <u>48,756,540</u> | <u>28,939,200</u> | <u>60,335,000</u> | <u>923,000</u> |

Regional Transmission

| | | | | | |
|--|-------------------------|-------------------------|-------------------------|-----------------------|-----------------------|
| Capital Project Support | 430,750 | 205,020 | 329,570 | 70,000 | 139,000 |
| Master Pump Station 450 Improvements | 2,200,000 | 0 | 0 | 0 | 0 |
| Master Pump Station 454 Rehabilitation | 250,000 | 0 | 3,575,000 | 0 | 0 |
| Master Pump Station 456 Improvements | 4,000,010 | 0 | 0 | 0 | 0 |
| Master Pump Station Controls Upgrade | 0 | 3,300,000 | 0 | 0 | 0 |
| Master Pump Stations Rehabilitation | 500,000 | 500,000 | 500,000 | 500,000 | 500,000 |
| Regional Sewer Air Relief Valves | 0 | 750,000 | 650,000 | 0 | 0 |
| Regional Transmission System Master Plan | 0 | 1,000,000 | 0 | 0 | 0 |
| Subtotal | <u>7,380,760</u> | <u>5,755,020</u> | <u>5,054,570</u> | <u>570,000</u> | <u>639,000</u> |

*NRWWTP - North Regional Wastewater Treatment Plant
 **UAZ - Utility Analysis Zone

| | | | | | |
|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|
| TOTAL APPROPRIATIONS | <u>\$86,315,190</u> | <u>\$124,694,850</u> | <u>\$78,147,780</u> | <u>\$126,317,300</u> | <u>\$24,039,000</u> |
|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Retail/Hillsboro Pines Infrastructure Improvements

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|---|------------------------------|----------------------|---------|----|--------------|-----|-------|-----|-----------|
| | | | Design | | Construction | | Other | | |
| | | | FY | FY | FY | FY | FY | FY | |
| Hillsboro Pines Neighborhood Improvements | 144,614 | 6,722,000 | 20,860 | 16 | 0 | --- | 0 | --- | 6,887,474 |

Project Comments

- The Hillsboro Pines area is located between the Palm Beach County Line, State Road 7, Lyons Road, and Hillsboro Boulevard. There are 180 housing units located in this area with an estimated population of over 450 residents. The neighborhood is currently served with wells and septic tanks.
- Funding is provided from utility revenues for FY16 to construct new water and sewer systems.
- The non-utility portion of the neighborhood improvement project is funded in the Broward Municipal Services District Capital Fund.

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Water and Wastewater Revenues | 20,860 | 0 | 0 | 0 | 0 | 20,860 |
| TOTAL | 20,860 | 0 | 0 | 0 | 0 | 20,860 |
| <u>Funding Requirements</u> | | | | | | |
| Design | 20,860 | 0 | 0 | 0 | 0 | 20,860 |
| TOTAL | 20,860 | 0 | 0 | 0 | 0 | 20,860 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Retail/New Construction

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|---|------------------------------|----------------------|---------|-----|--------------|-----|-----------|-----|-----------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Admin Complex HVAC Improvements | 23,448 | 1,453,024 | 0 | --- | 375,000 | 16 | 0 | --- | 1,851,472 |
| Admin. Complex Roof, Bldgs. 2, 3, 4,5 & 6 | 0 | 100,000 | 50,000 | 17 | 2,700,000 | 17 | 0 | --- | 2,850,000 |
| Admin. Complex Stucco & Painting | 0 | 70,000 | 70,000 | 16 | 700,000 | 16 | 0 | --- | 840,000 |
| Capital Project Support | N/A | N/A | 0 | --- | 0 | --- | 9,290,330 | MY | 9,290,330 |
| CIS/Utility Billing System | 13 | 850,000 | 150,000 | 16 | 0 | --- | 50,000 | 16 | 1,050,013 |
| Davis Isles New Sewers & Water Main Replacement | 0 | 0 | 280,000 | MY | 1,400,000 | 19 | 0 | --- | 1,680,000 |
| Developer Agreement Funding | N/A | N/A | 0 | --- | 1,500,000 | MY | 0 | --- | 1,500,000 |
| Facilities Security System Upgrades | 0 | 0 | 0 | --- | 1,279,820 | MY | 4,911,730 | MY | 6,191,550 |
| Facilities Rehabilitation | 1,171 | 200,000 | 0 | --- | 1,900,000 | MY | 0 | --- | 2,101,171 |
| Facility Chlorination System 3B | 0 | 0 | 119,000 | MY | 400,000 | 17 | 0 | --- | 519,000 |
| High Service Pump Replacement | 13 | 520,000 | 816,000 | MY | 4,366,510 | 17 | 0 | --- | 5,702,523 |
| Hillsboro Mile Wastewater System Improvements | 55,024 | 3,995,008 | 0 | --- | 1,000,000 | 17 | 0 | --- | 5,050,032 |
| Inter-Digital Communications System | 0 | 0 | 400,000 | 16 | 600,000 | 16 | 0 | --- | 1,000,000 |
| Intl. Airport Booster Pump Station | 0 | 475,000 | 0 | --- | 3,500,000 | 17 | 0 | --- | 3,975,000 |
| Lift Station Rehabilitation | 23,154 | 515,444 | 0 | --- | 9,000,000 | MY | 0 | --- | 9,538,598 |
| Lift Station 10 and Force Main | 4,887,225 | 2,728,670 | 0 | --- | 820 | 16 | 0 | --- | 7,616,715 |
| Master Pump Station 220 Rehabilitation | 971,106 | 706,011 | 647,450 | 18 | 1,779,980 | 19 | 0 | --- | 4,104,547 |
| Master Pump Station 221 Rehabilitation | 126,854 | 1,427,185 | 0 | --- | 3,200,190 | 17 | 0 | --- | 4,754,229 |
| Master Pump Station 224 Rehabilitation | 0 | 100,000 | 450,000 | 16 | 2,500,000 | 16 | 0 | --- | 3,050,000 |
| Master Pump Station 226 Improvements | 3,759 | 930,000 | 20,000 | 16 | 1,350,000 | 16 | 0 | --- | 2,303,759 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Retail/New Construction (Continued)

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|---|------------------------------|----------------------|-----------|-----|--------------|----|-------|-----|------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Multi-District Inflow/Infiltration Reduction Program | 4,434,849 | 5,586,004 | 0 | --- | 5,500,000 | MY | 0 | --- | 15,520,853 |
| Potable Water Storage Tank Repairs | 0 | 150,000 | 150,000 | 16 | 1,900,000 | 16 | 0 | --- | 2,200,000 |
| Rehabilitation of Treatment Units 1A & 2A | 0 | 50,000 | 230,000 | MY | 1,000,000 | 16 | 0 | --- | 1,280,000 |
| Retail Facility Demolition | 0 | 204,000 | 195,000 | 16 | 750,000 | 16 | 0 | --- | 1,149,000 |
| Septic Tank Elimination Program | 0 | 0 | 2,000,000 | MY | 7,200,000 | MY | 0 | --- | 9,200,000 |
| Short Line Extensions & Relocations | 4,828 | 382,000 | 0 | --- | 3,000,000 | MY | 0 | --- | 3,386,828 |
| Sludge Handling System Improvement WTP 1A & 2A | 0 | 0 | 650,000 | 18 | 2,500,000 | 18 | 0 | --- | 3,150,000 |
| UAZ* 108 Water/Sewer Pipe Improvements | 0 | 200,000 | 2,200,000 | MY | 10,500,000 | 19 | 0 | --- | 12,900,000 |
| UAZ* 110/111 Water/ Sewer Pipe Improvements | 0 | 400,000 | 5,040,000 | MY | 22,000,000 | MY | 0 | --- | 27,440,000 |
| UAZ* 113 Water/Sewer Pipe Improvements | 0 | 400,000 | 5,340,000 | MY | 25,000,000 | 17 | 0 | --- | 30,740,000 |
| UAZ* 122/123 Water/ Sewer Pipe Improvements | 0 | 210,000 | 4,506,000 | MY | 18,500,000 | MY | 0 | --- | 23,216,000 |
| Water Storage Tank 1A2 | 319,170 | 3,849,552 | 966,270 | MY | 4,149,640 | 18 | 0 | --- | 9,284,632 |
| Water Storage Tank 1B1 | 82,580 | 3,271,309 | 974,000 | MY | 3,642,800 | 17 | 0 | --- | 7,970,689 |
| Water Storage Tank 2A | 18,196 | 4,770,000 | 802,000 | MY | 979,400 | 16 | 0 | --- | 6,569,596 |
| Water Storage Tank Facility 3A | 843,563 | 6,526,851 | 867,000 | 17 | 1,978,540 | 17 | 0 | --- | 10,215,954 |
| Water Supply Improv. Alternatives WTP 1A | 4,422,523 | 7,210,071 | 0 | --- | 23,079,320 | 19 | 0 | --- | 34,711,914 |
| Water System Improvements 3C | 0 | 0 | 6,000,000 | 18 | 10,000,000 | 20 | 0 | --- | 16,000,000 |
| Water Treatment Plant Chemical Feed System Improvements | 0 | 0 | 550,000 | 16 | 2,500,000 | 16 | 0 | --- | 3,050,000 |
| Water Treatment Plant Expansion 2A | 0 | 0 | 500,000 | 20 | 2,836,000 | 20 | 0 | --- | 3,336,000 |

*Utility Analysis Zone

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Retail/New Construction (Continued)

Project Comments

- Funding is provided in FY16 to replace obsolete equipment at the WWS administrative complex by adding energy efficient HVAC system upgrades.
- Funding is provided in FY17 to replace roofing at the WWS Administrative Complex on buildings 2, 3, 4, 5 & 6.
- Funding is provided in FY16 to re-stucco buildings at the WWS Administrative Complex.
- Funding for Capital Project Support reimburses the Water and Wastewater Operating Fund for project management, staff review, and other administration costs of capital projects.
- Funding is provided in FY16 to upgrade or replace the existing Energy system, which will include new hardware for product test, development environments as well as redundancy for business continuity.
- Davis Isles is a neighborhood in the City of Dania Beach. Funding is provided in FY18 and FY19 to construct approximately 3,000 linear feet of sanitary sewer, one lift station, and a short run of force main to serve approximately 80 single family homes. While installing the new sewers, approximately 3,200 linear feet of water main that is near the end of its useful life, will be replaced.
- Funding is provided in FY16-20 for the County's portion of lift stations in developer projects, as needed by the County.
- Funding is provided in FY16 and FY17 to install security systems (surveillance cameras, lighting, card access points, motion and intrusion detection, beam alarms) to provide added safety and physical security to staff and potable water operations, processes, and facilities as outlined in Homeland Security Critical Infrastructure Architecture directives.
- Funding is provided in FY16-20 for required major repairs/replacement of process equipment at the water treatment/distribution facilities that significantly extend the useful life of the equipment. Miscellaneous facility modifications and/or repairs, small consulting studies, and engineering work are also funded from this project to support these facilities.
- Funding is provided in FY16 and FY17 to construct a new sodium hypochlorite chemical feed system and ammonia sulfate chemical feed system at the 3B storage/pumping facility.
- Funding is provided in FY16 and FY17 to replace the obsolete high service pump building at Water Distribution Facility 3A with a building that meets current building codes.
- Funding is provided in FY17 for wastewater transmission system improvements in Service District 2 which includes rehabilitating wastewater pumping stations, and replacing force mains, and gravity sewers as appropriate.
- In FY16, funding is provided to install inter-digital communication systems among Water & Wastewater sites throughout the County. Solutions may include microwave, WiMAX and/or LTE technologies.

- In FY17, funding is provided to construct a water booster pumping and rechlorination station at the Ft. Lauderdale - Hollywood International Airport to enhance water pressure and fire flow capabilities at the airport.
- Funding is provided in FY16 - FY20 for lift station rehabilitation projects to extend their useful life and to avoid sewer overflows.
- Funding is provided in FY18 and FY19 to repair and replace miscellaneous equipment at Master Pump Station 220.
- Funding is provided in FY17 to repair and replace miscellaneous equipment and station improvements at Master Pump Station 221.
- Funding is provided in FY17 to repair and replace miscellaneous equipment and station improvements at Master Pump Station 224.
- Funding is provided in FY17 to engineer, design, and construct improvements and updates to Master Pump Station 226.
- Funding is provided in FY16-20 for the Multi-District Infiltration and Inflow Rehabilitation Project. This project funds the cost-effective reduction of inflow/infiltration in the Water Wastewater retail sewer collection system including the Sewer System Evaluation Study (SSES) and the cost-effective repairs of leaking segments of the sewer system.
- Funding is provided in FY16 to enable completion of identified potable water storage tank repairs at seven locations throughout the service area.
- Funding is provided in FY16 and FY17 to rehabilitate the steel components and interior walls of treatment unit No. 2 at WTP1A and No. 1 and 2 at WTP2A.
- Funding is provided in FY16 to demolish various obsolete water treatment and storage facilities at water treatment plants and distribution facilities. Also, funding is included for general structural improvements at retail facilities, including hurricane hardening.
- Funding is provided over the five-year capital program for sewer main projects for the purpose of eliminating septic tanks.
- Funding is provided in FY16-20 for a variety of small water and sewer main projects, requiring short line extensions and relocations.
- Funding is provided in FY18 to replace/upgrade the aging sludge handling system at WTP 1A and 2A.
- Funding is provided in FY18-FY20 to replace approximately 34,000 linear feet of water main and 34,000 linear feet of sewer main in UAZ 108, which is located in the City of Lauderdale Lakes.
- Funding is provided in FY17-FY20 to replace approximately 72,000 linear feet of water main and 70,000 linear feet of sewer main in UAZ 110 and UAZ 111, which are located in the City of Lauderdale Lakes.
- Funding is provided in FY16-FY18 to replace approximately 80,000 linear feet of water main and 62,000 linear feet of sewer main in UAZ 113, which is in the City of Lauderdale Lakes. The improvement area covers 575 acres.

- For FY16-19 funding is provided to replace approximately 61,000 linear feet of water main and 60,000 linear feet of sewer main in UAZ 122 and UAZ 123, which are in the City of Lauderdale Lakes.
- Funding is provided in FY16 and FY18 to construct a 1.5 million gallon potable water storage tank and new variable speed pumping station to replace the existing obsolete 0.5 million gallon tank and pumping station at Water Distribution Facility 1A2, and 1,400 feet of new 20-inch water main to provide additional water storage and supply capacity for the expanded District 1 service area south of Sunrise Boulevard in the City of Lauderhill.
- Funding is provided in FY16 and FY17 to construct a 2 million gallon potable water storage tank and pumping station with variable speed pumps and emergency power to provide increased potable water storage and pumping capacity at WWS Distribution Facility 1B1. This project is to accommodate projected water demand growth. The tank is located south of McNab Road and west of I-95 in the City of Ft. Lauderdale.
- Funding is provided in FY16 and FY18 for a new 5 million gallon potable water storage tank to replace the existing one million and .5 million gallon water tanks at the Water Plant 2A site to accommodate future demand growth. WTP 2A is located south of NE 54 Street and east of Dixie Highway in the City of Pompano Beach. In addition, repairs will be made to the existing 5 million gallon tank.
- Funding is provided in FY17 for the construction of a 2.5 million gallon concrete potable water ground storage tank and sodium hypochlorite disinfection facility. The District 3A Facility is located south of Griffin Road on SW 40th Avenue in the City of Dania Beach.
- In FY19, funding is provided for the expansion of the treatment capacity of Water Plant 1A to add approximately 6 million gallons per day of reverse osmosis process treatment, based on recommendations from the Alternative Water Supply Master Plan, to meet future demand projections.
- Funding is provided in FY18 and FY20 to improve approximately 223,000 feet of undersized water main, to improve fire protection and to replace about 3800 old galvanized steel service lines which have reached the end of their design life.
- Funding is provided in FY16 to replace the anhydrous ammonia feed system with an aqueous ammonia feed system (Ammonium Sulfate) to eliminate the compressed hazardous gas from all WWS sites. The project also includes other chemical feed system improvements, as needed, based on risk and safety concerns.
- Funding is provided in FY20 for expansion of the treatment capacity of Water Plant 2A to add approximately 6 million gallons per day of reverse osmosis process treatment, based on recommendations from the Alternative Water Supply Master Plan, to meet future demand projections.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|-------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| Water and Wastewater Revenues | 30,566,200 | 70,183,290 | 44,154,010 | 65,412,300 | 22,477,000 | 232,792,800 |
| TOTAL | 30,566,200 | 70,183,290 | 44,154,010 | 65,412,300 | 22,477,000 | 232,792,800 |

Funding Requirements

| | | | | | | |
|---------------------|------------|------------|------------|------------|------------|-------------|
| Design | 7,192,270 | 7,388,000 | 12,022,450 | 4,580,000 | 2,790,000 | 33,972,720 |
| Construction | 19,468,320 | 58,913,760 | 30,225,640 | 59,224,300 | 16,736,000 | 184,568,020 |
| Other Capital Costs | 3,905,610 | 3,881,530 | 1,905,920 | 1,608,000 | 2,951,000 | 14,252,060 |
| TOTAL | 30,566,200 | 70,183,290 | 44,154,010 | 65,412,300 | 22,477,000 | 232,792,800 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Regional Treatment

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|--|------------------------------|----------------------|-----------|-----|--------------|-----|-----------|-----|-------------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Capital Project Support | N/A | N/A | 0 | --- | 0 | --- | 5,602,100 | MY | 5,602,100 |
| NRWWTP* Capacity Improvement | 5,157,677 | 88,495,970 | 0 | --- | 6,276,350 | 16 | 0 | --- | 99,929,997 |
| NRWWTP* Disposal System - Transmission System | 39,405 | 7,595,000 | 10,800 | 17 | 49,600,000 | MY | 2,000,000 | 17 | 59,245,205 |
| NRWWTP* - Emergency Power System | 0 | 0 | 3,700,000 | 17 | 13,000,000 | 19 | 0 | --- | 16,700,000 |
| NRWWTP* Facilities Improvements | 1,172,029 | 44,582,653 | 1,333,800 | 16 | 79,425,000 | MY | 0 | --- | 126,513,482 |
| NRWWTP* - HVAC System Replacement | 1,912 | 950,000 | 400,000 | 16 | 1,150,000 | 16 | 0 | --- | 2,501,912 |
| NRWWTP* Load Center and Motor Control Centers | 210,998 | 896,906 | 303,100 | 16 | 4,903,100 | 16 | 0 | --- | 6,314,104 |
| NRWWTP* Modules A, B, and D Fine Bubble Conversion | 18,373 | 19,232,000 | 3,400,000 | 16 | 4,600,000 | 16 | 0 | --- | 27,250,373 |
| NRWWTP* Rehabilitation | 128 | 305,360 | 500,000 | MY | 2,500,000 | MY | 1,000,000 | MY | 4,305,488 |
| NRWWTP* Steel Structure Repair and Replacement | 172,038 | 16,242,100 | 269,560 | MY | 300,000 | 17 | 0 | --- | 16,983,698 |
| Regional Master Meter Improvements | 97,358 | 529,304 | 615,750 | 18 | 4,736,550 | 18 | 0 | --- | 5,978,962 |
| Septage Receiving Facility Operations/Admin. Bldg. | 0 | 225,000 | 175,000 | 16 | 1,500,000 | 16 | 0 | --- | 1,900,000 |

*NRWWTP - North Regional Wastewater Treatment Plant

Project Comments

- Funding for Capital Project Support reimburses the Water and Wastewater Operating Fund for project management, staff review, and other administration costs of the capital projects.
- Funding is provided in FY16 for planned, phased construction of the North Regional Water Wastewater Treatment Plant's deep injection well disposal system.
- Funding is provided in FY17 and FY18 for the design and construction of a reclaimed water line in northern Broward County.
- Funding is provided in FY17 and FY19 to construct Electrical Distribution Building 2 with two 2.5-megawatt generators to support the reclaimed water plant. The project also includes diesel fuel tanks, dual FPL feeds, a switchgear, and controls.

BROWARD COUNTY CAPITAL BUDGET

- In FY16, FY18, and FY19, funding is provided for miscellaneous infrastructure improvements at the North Regional Water Wastewater Treatment (NRWWTP) facilities.
- In FY16, funding is provided for the replacement of the HVAC system that supports the NRWWTP administration complex and laboratory.
- In FY16, funding is provided for the upgrade and replacement of Load Centers and Motor Control Centers at the NRWWTP facilities.
- Funding is provided in FY16 for the conversion of treatment NRWWTP modules A, B, and D to fine bubble aeration.
- In FY16-20, funding is provided for various rehabilitation projects at the NRWWTP facilities.
- In FY16 and FY17, funding is provided for the repair and replacement of various steel structures at the North Regional Water Wastewater Treatment Plant.
- In FY18, funding is provided for new and upgraded wholesale billing meters, and associated telemetry equipment and improvements.
- In FY16, funding is provided to construct and equip a new Septage Receiving Facility Operations and Administration building.

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|-------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Water and Wastewater Revenues | 48,347,370 | 48,756,540 | 28,939,200 | 60,335,000 | 923,000 | 187,301,110 |
| TOTAL | 48,347,370 | 48,756,540 | 28,939,200 | 60,335,000 | 923,000 | 187,301,110 |

Funding Requirements

| | | | | | | |
|---------------------|------------|------------|------------|------------|---------|-------------|
| Design | 5,881,460 | 3,910,800 | 715,750 | 100,000 | 100,000 | 10,708,010 |
| Construction | 38,556,450 | 43,389,200 | 27,045,350 | 58,500,000 | 500,000 | 167,991,000 |
| Other Capital Costs | 3,909,460 | 1,456,540 | 1,178,100 | 1,735,000 | 323,000 | 8,602,100 |
| TOTAL | 48,347,370 | 48,756,540 | 28,939,200 | 60,335,000 | 923,000 | 187,301,110 |

BROWARD COUNTY CAPITAL BUDGET

PROGRAM

Enterprise/Water & Wastewater

PROJECT

Regional Transmission

Funding Summary

| | Actual Expenses Through FY14 | Modified FY15 Budget | FY16-20 | | | | | | Total |
|--|------------------------------|----------------------|-----------|-----|--------------|-----|-----------|-----|-----------|
| | | | Design | FY | Construction | FY | Other | FY | |
| Capital Project Support | N/A | N/A | 0 | --- | 0 | --- | 1,174,340 | MY | 1,174,340 |
| Master Pump Station 450 Improvements | 422,918 | 4,853,660 | 0 | --- | 2,200,000 | 16 | 0 | --- | 7,476,578 |
| Master Pump Station 454 Rehabilitation | 289 | 125,000 | 450,000 | MY | 3,375,000 | 18 | 0 | --- | 3,950,289 |
| Master Pump Station 456 Improvements | 282,253 | 673,329 | 0 | --- | 4,000,010 | 16 | 0 | --- | 4,955,592 |
| Master Pump Station Controls Upgrade | 103,642 | 660,794 | 0 | --- | 3,300,000 | 17 | 0 | --- | 4,064,436 |
| Master Pump Stations Rehabilitation | 128 | 815,000 | 250,000 | MY | 1,750,000 | MY | 500,000 | MY | 3,315,128 |
| Regional Sewer Air Relief Valves | 0 | 750,000 | 100,000 | 17 | 1,300,000 | MY | 0 | --- | 2,150,000 |
| Regional Transmission System Master Plan | 0 | 0 | 1,000,000 | 17 | 0 | --- | 0 | --- | 1,000,000 |

Project Comments

- Funding for capital project support reimburses the Water Wastewater operating fund for project management, staff review, and other administration costs of the capital projects.
- Funding is provided in FY16 for construction, as necessary, for improvements and updating of Master Pump Station 450.
- In FY16 and FY18, funding is provided for the repair and replacement of miscellaneous equipment and station improvements at Master Pump Station 454.
- Funding is provided in FY16 for repairs and replacement of miscellaneous equipment and conversion to an in-line booster from an open wet well at Pump Station 456.
- Funding is provided in FY17 to upgrade the existing Master Pump Station control equipment and programming software.
- Funding is provided over the five-year capital program for improvement, renewal, and replacement of equipment related to the Master Pump Station facilities serving the North Regional Wastewater Treatment System.
- Funding is provided during FY17-18 for the installation of 123 air relief valves in maintenance access structures with incidental restoration work for roadway, sidewalk, curb, and swale areas.
- Funding is provided in FY17 for a comprehensive evaluation of pipe condition to enable prioritization of pipe replacement and detection of hidden vulnerabilities in the North Regional Wastewater System.

BROWARD COUNTY CAPITAL BUDGET

Funding Schedule

| <u>Funding Sources</u> | <u>FY16</u> | <u>FY17</u> | <u>FY18</u> | <u>FY19</u> | <u>FY20</u> | <u>TOTAL</u> |
|------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|
| Water and Wastewater | 7,380,760 | 5,755,020 | 5,054,570 | 570,000 | 639,000 | 19,399,350 |
| TOTAL | 7,380,760 | 5,755,020 | 5,054,570 | 570,000 | 639,000 | 19,399,350 |
| <u>Funding Requirements</u> | | | | | | |
| Design | 300,000 | 1,150,000 | 250,000 | 50,000 | 50,000 | 1,800,000 |
| Construction | 6,550,010 | 4,300,000 | 4,375,000 | 350,000 | 350,000 | 15,925,010 |
| Other Capital Costs | 530,750 | 305,020 | 429,570 | 170,000 | 239,000 | 1,674,340 |
| TOTAL | 7,380,760 | 5,755,020 | 5,054,570 | 570,000 | 639,000 | 19,399,350 |