CAPITAL PROJECT SCHEDULE

July 21, 2020

Revised 6/25/20
Volusia County
Capital Project Schedule Executive Summary
3rd Quarter Update – July 21, 2020

Community Services

- Lemon Bluff Park – Construction contract awarded June 16, 2020. Construction timeline has been extended to finish 1st Qtr. FY 20/21. Project cost increased to $1,992,384 based on awarded contract.
- Marine Discovery Center Trail - Project design is 80% complete.

Daytona Beach International Airport

- Taxiway November Rehabilitation –
  - Bid schedule B and C – Project Complete.
  - Bid schedule D will be completed mid 4th Qtr. Bid schedule E anticipating NTP by mid 4th Qtr.
- DAB Terminal –
  - Parking Lot Improvements – Bidding process is underway.

Finance

- Countywide 800 MHz Radio System –

Ocean Center

- Retrofit Lighting to LED in Arena, Exhibit Hall – Construction timeline has been adjusted to start 1st Qtr. FY 20/21 and finish 2nd Qtr. FY 21/22. Bidding and Construction pushed back to 1st Qtr. FY 20/21 due to budgetary adjustments.
- Replace Arena Roof – Due to COVID-19, construction timeline adjusted to finish 4th Qtr. FY 20/21 as bid process was delayed. Bid recommendation will be presented to council July 21st.
- Parking Garage –
  - Lighting – Construction timeline adjusted to finish 4th Qtr. FY 21/22 as bidding and construction has been placed on hold.
  - Deck & Drainage Restoration – Phase 1 construction timeline adjusted to finish 2nd Qtr. FY 20/21. Phase 2 & 3 will start 3rd Qtr. FY 20/21 and finish 2nd Qtr. FY 21/22. Bids received, recommendation of award will be presented to council July 21st.

Public Protection

- Volusia County Branch Jail
  - Volusia County Branch Jail/Corrections Facility Security and Surveillance System Upgrade Task assignment approved by County on April 21, 2020. Design is underway.
Volusia County Branch Jail Kitchen Floor Replacement – Project delayed due to project scope being revised, solicitation release expected in next 60 days.


### Public Works

#### Coastal- Off-beach Parking
- Plaza Beach Ramp Public Access Improvements – FDEP CCCL Permit received March 2020.
- 16th Avenue Off-Beach Parking & Beach access – Design timeline has been extended to 4th Qtr. FY 19/20. CCCL Permit approval delayed due to FDEP concerns about County’s ownership/right to construct in the 16th Ave right of way. Construction timeline adjusted to start 2nd Qtr. FY 20/21 and finish 4th Qtr. FY 20/21.
- Edwin W. Peck, Sr. Park (3167 S. Atlantic Ave., Daytona Beach Shores) – Design timeline extended to 4th Qtr. FY 19/20 awaiting CCCL permit. Construction timeline adjusted to start 2nd Qtr. FY 20/21 and finish 1st Qtr. FY 21/22.
- Dahlia Ave. Park (3621 S. Atlantic Ave., Daytona Beach Shores) – Design timeline adjusted to finish 4th Qtr. FY 19/20 awaiting CCCL permit. Construction will start 2nd Qtr. FY 20/21 and finish 1st Qtr. FY 21/22.
- Silver Beach Ave. Beach Ramp Improvements – Daytona Beach – Conceptual plan completed April 2020.

#### Road & Bridge
- Thornby Park Water Quality Improvement Project – The grant agreement with the Florida Department of Environmental Protection (FDEP) and the contract award recommendation for construction of the project scheduled for council approval on July 21, 2020. Construction will begin 4th Qtr. FY 19/20. Project cost increased to $468,482.
- Gabordy Canal at 10th Street – Design timeline adjusted to 4th Qtr. FY 19/20. Construction will begin 1st Qtr. FY 20/21 and finish 4th Qtr. FY 20/21.
- Ariel Canal Water Quality Improvement Project – Design is underway. Awaiting notification of FDEP grant funding. Design timeline adjusted to finish 1st Qtr. FY 20/21. Construction timeline will begin 2nd Qtr. FY 20/21 and finish 4th Qtr. FY 20/21. Project cost increased to $941,530.
- Public Works Northeast Services Facility – Construction is underway. Building foundations complete; offsite utility work is underway with directional borings completed for water, IT conduit and wastewater.
• Engineering & Construction
  o Tenth Street – Construction timeline adjusted to reflect contractor schedule, project will finish 3rd Qtr. FY 21/22. Pre-construction meeting held June 2, 2020.
  o Veteran’s Memorial Bridge – Construction timeline extended to finish 3rd Qtr. FY 19/20.
  o Orange Camp Road Widening - Construction contract award and CEI consultant selection approved June 16, 2020. Scheduling pre-construction meeting, project cost updated to reflect construction contract and estimated post-design services ($12,908,215).
  o Spring to Spring Phase 3B Rob Sullivan Park to Dirksen Drive/US 17/92 – Design is complete. Construction solicitation and third party agreement with City of Debary and Duke is complete. Construction will begin 3rd Qtr. FY 19/20 and finish 3rd Qtr. FY 20/21.
  o Williamson Blvd Widening – Construction underway.

• Traffic Signals
  o Pioneer Trail & Enterprise Ave., New Smyrna Beach – Construction substantially complete, arm signal is fully operable.
  o Saxon Boulevard & Market Place, Orange City – Design timeline adjusted to finish 3rd Qtr. FY 19/20. Mast arm design 90% complete. Construction timeline adjusted to finish 3rd Qtr. FY 20/21.
  o Williamson Blvd & Bellevue Ave Extension, Daytona Beach – Design completed. Construction NTP (6/19/20), construction cost increased to $431,627 due to mast arm length and larger foundation.
  o Orange Camp Rd & South Blue Lake Ave, DeLand – Signal design complete. Construction timeline will begin 4th Qtr. FY 19/20 and finish 3rd Qtr. FY 20/21.
  o LPGA Blvd & Center St, Holly Hill – Design 60% complete. Construction will begin 4th Qtr. FY 19/20 and finish 3rd Qtr. FY 20/21.

• Water Resources and Utilities
  o Indian Harbor Estates Sanitary Sewer Retrofit – Design timeline adjusted to finish 1st Qtr. FY 20/21 to allow 4-6 weeks to complete survey work.
  o Southwest Service Area Wastewater Infrastructure Improvements – Construction and post design approved on April 7, 2020. Construction kick-off held in May 2020.
  o Fort Florida Rd Utility Improvements – Project construction was adjusted to 1st Qtr. FY 20/21. Project is ahead of schedule by three months.
  o Blue Spring Wetland Aquifer Recharge (Phase I) – Project underway. Load test in progress.
  o Glen Abbey Water Treatment Plant Upgrades – Electrical improvements in progress, equipment delivery delayed 4-6 weeks. Construction schedule adjusted to finish 4th Qtr. FY 19/20.

Sheriff’s Office

N/A

Total Value of All CPS Projects Reported in 3rd Quarter Update $362,548,353
Master
Capital Project Schedule

July 2020
Update

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<tr>
<th>Fiscal Quarters</th>
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<td>April - June</td>
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<td>July - September</td>
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| Activity Overlap | 🔴
| Schedule Adjustment | 🔴
| Project Complete | ⬤ |

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<td>BS = Business Services</td>
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<td>CS = Community Services</td>
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<td>DAB = Daytona Beach Intl Airport</td>
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<td>FIN = Finance</td>
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*New Projects are in Bold*

**Completed Projects are in Italics. Refer to back of binder for Q3 and older**

Note: Large projects utilizing CMGC method will overlap Eng/Design with Const
### MASTER CAPITAL PROJECT SCHEDULE

**SORTED BY PROJECT NUMBER (PID)**

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<thead>
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<th>PID</th>
<th>Project Name</th>
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<th>Construction Funding</th>
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**Legend**

- **Land Acquisition**
- **Design/Permitting**
- **Bid & Construction**
- **Activity Overlap**
- **Adjustment**
- **Complete**

**Note:** Large projects utilizing CMGC method will overlap Eng/Design with Const

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Page 2

Revised 062520
# MASTER CAPITAL PROJECT SCHEDULE

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<th>FY 20/21</th>
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<td>PW-TE-9</td>
<td>Pioneer Trail &amp; Enterprise Avenue in New Smyrna Beach - to mast arm</td>
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<td>Saxon Boulevard &amp; Market Place in Orange City - to mast arm</td>
<td>1</td>
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<td>10/1/2018</td>
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<td>PW-TE-11</td>
<td>Williamson Boulevard &amp; Bellevue Avenue Extension</td>
<td>2 &amp; 4</td>
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<td>10/1/2019</td>
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<td>PW-TE-12</td>
<td>Orange Camp Road &amp; South Blue Lake Avenue</td>
<td>1</td>
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<td>PW-TE-14</td>
<td>LPGA Boulevard &amp; Center Street, Holly Hill</td>
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<tr>
<td>PW-WRU-4</td>
<td>Indian Harbor Estates Sanitary Sewer Retrofit</td>
<td>3</td>
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<td>8/20/2019</td>
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<tr>
<td><strong>PW-WRU-5 Deltona North Water Treatment Facility Upgrades</strong></td>
<td>5</td>
<td></td>
<td>10/1/2017</td>
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<td><strong>PW-WRU-8 Advanced Meter Infrastructure (AMI)</strong></td>
<td>1</td>
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<td>10/1/2017</td>
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<tr>
<td>PW-WRU-9</td>
<td>Glen Abbey Subdivision Reclaimed Water Main Extension</td>
<td>1</td>
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<td>11/13/2018</td>
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<tr>
<td>PW-WRU-10</td>
<td>Southwest Service Area Wastewater Infrastructure Improvements</td>
<td>5</td>
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<td>11/13/2018</td>
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<td>PW-WRU-11</td>
<td>Fort Florida Rd Utility Improvements</td>
<td>5</td>
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<td>12/10/2019</td>
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<td>PW-WRU-12</td>
<td>Blue Spring Wetland Aquifer Recharge (Phase 3)</td>
<td>5</td>
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<td>8/20/2019</td>
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<td>PW-WRU-13</td>
<td>Glen Abbey Water Treatment Plant Upgrades</td>
<td>5</td>
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<td>11/11/2019</td>
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*New Projects are in Bold

**Completed Projects are in Italics. Refer to back of binder for Q3 and older

Note: Large projects utilizing CMGC method will overlap Eng/Design with Const*
BS-CES-2

Project:
New Elections Warehouse

Scope:
New building on new site to include warehouse space, staff work areas, shipping/loading area, improved security, safety, energy efficiency and related site improvements.

Acquisition:
Start: 2nd Qtr. – FY 20/21
Finish: 3rd Qtr. – FY 21/22

Design:
Start: 3rd Qtr. – FY 21/22
Finish: 2nd Qtr. – FY 22/23

Construction:
Start: 3rd Qtr. – FY 22/23
Finish: 2nd Qtr. – FY 23/24

Project Cost:
$5,900,000

Funding Sources:
Elections Warehouse (367-930-4180)
$4,320,627 (fund balance after completion of Elections Office build out)

Council Actions:
1. 10-year capital improvement plan approved by council 3rd Qtr. FY 14/15

Status:
Investigating site locations with discussions involving the Supervisor of Elections and management.

Project Adjustment:
N/A

See pic below: Demand exceeds building capacity at existing elections warehouse
BS-CES-2 (Continued)
Project:
Lemon Bluff Park

Scope:
The project scope includes restoration of the seawall and dockage, construction of a boat launch, floating canoe/kayak launch, fishing area, restrooms, pavilions (2), parking, and sidewalks.

Acquisition:
March 13, 2013 (ECHO Funds)

Design:
Start: 3rd Qtr. – FY 15/16
Finish: 2nd Qtr. – FY 19/20

Construction:
Start: 2nd Qtr. – FY 19/20
Finish: 1st Qtr. – FY 20/21

Project Cost:
$ 107,470  Design
$ 1,992,384  Construction
$ 2,099,854  Total

Funding Sources:
$ 400,000  2016 Council ECHO grant award
$ 125,000  FIND Grant
$ 716,833  Impact Fee Fund 135
$ 30,000  Impact Fee Fund 137
$ 828,021  Funded from FBIP
$ 2,099,854  Total

Council Actions:
1. Purchase Approval December 20, 2012
3. ECHO Grant Approval May 19, 2016
4. FIND Grant September 30, 2017
5. Conceptual Drawing Approval May 7, 2019
6. FIND Grant March 17, 2020
7. Award Construction Contract June 16, 2020

Status:
Met with public on May 13, 2017
Second public meeting was held on October 18, 2018
Boat Launch Facility plans 100%
Parking area design complete
CS-PRC-1 (Continued)

Project Adjustment:
Updated construction schedule and revised construction costs based on awarded construction contract.
CS-PRC-19

Project:
Marine Discovery Center Trail

Scope:
Project includes trail head, restroom, stormwater adjustments and paved trail

Acquisition:
Sublease in process with Marine Discovery Center
Start: 2nd Qtr. – FY 18/19
Finish: 4th Qtr. – FY 19/20

Design:
Start: 1st Qtr. – FY 18/19
Finish: 4th Qtr. – FY 19/20

Construction:
Start: 1st Qtr. – FY 20/21
Finish: 4th Qtr. – FY 20/21

Project Cost:
$1,100,000

Funding Sources:
$1,100,000 ECHO appropriation, 328 Trails Capital Fund

Council Actions:
1. Approval of ECHO appropriation for design and construction May 15, 2018
2. Approval of Amendment #1 for engineering by County Council 03/05/19
3. Approval of Amendment #3 for engineering by County Council 12/10/19

Status:
Survey and legal description to be completed
Design 80% complete
FDEP sublease process; legal description complete

Project Adjustment:
**DAB-AF/PAV-01-A**

**Project:**
DAB/Airside - Taxiway November Rehabilitation Bid Schedules B and C

**Scope:**
Rehabilitation of taxiway pavement and shoulders; modification of taxiway geometries to remedy identified runway incursion locations; new LED edge lighting and lighting controls; storm-water repairs with replacement of existing subgrade drainage infrastructures.

**Acquisition:**
N/A

**Design:**
- Start: 1st Qtr. – FY 16/17
- Finish: 3rd Qtr. - FY 16/17

**Construction:**
- Phase I - Bid Schedule B
  - Start: 3rd Qtr. – FY 16/17
  - Finish: 2nd Qtr. – FY 19/20
- Phase II – Bid Schedule C
  - Start: 3rd Qtr. – FY 16/17
  - Finish: 3rd Qtr. – FY 19/20

**Project Cost:**
- $2,051,556 Total Design (Schedules B, C, D and E)
- $37,924,852 Total Construction (Schedules, B, C, D, and E)
- $39,976,408 Total

**Funding Sources:**
- **Total Design (Schedules B, C, D and E - $2,051,556)**
  - $1,846,398 FAA AIP Grant funding AIP074
  - $94,633 FDOT Grant funding FM 431539
  - $110,525 Local funding
- **Construction (Schedule B only - $8,790,545 – FY 17/18)**
  - $7,836,491 FAA AIP Grant Funding AIP 076
  - $439,527 FDOT Grant Funding FM431539-02 & 03
  - $514,527 Local Funding FY17/18
- **Construction (Schedule C only - $11,599,499 – FY18/19)**
  - $9,956,583 FAA AIP Grant Funding AIP 078
  - $553,143 FDOT Grant Funding FM431539-02 & 03
  - $1,089,773 Local Funding

FY 19/20 Q3 Update  
**Project Complete**
Council Actions:

1. Grant acceptance and approval of local match      April 4, 2013
2. Partial Cost approval                      July 17, 2014
3. Request for additional funding            June 4, 2015
5. TA for A&E services approval               Dec 15, 2016
6. Budget Resolution Approval               April 20, 2017
7. Budget Resolution Approval               Aug. 17, 2017
8. Contract Award (Halifax Paving); Schedule B Dec 7, 2017
9. TA for RPR/CA Support Services approval; Schedule B Dec 7, 2017
10. TA for Post Design (EOR) CA Services approval; Schedule B Dec 7, 2017
11. TA for Design package Bid Schedules D & E approval April 3, 2018

Status:
Bid Schedule B and Bid Schedule C work is complete.

Project Adjustment:
N/A
DAB – AF/PAV-01-B

Project:
DAB/Airside - Taxiway November Rehabilitation; Bid Schedules D and E

Scope:
Rehabilitation of taxiway pavement and shoulders; modification of taxiway geometries to remedy identified runway incursion locations; new LED edge lighting and lighting controls; storm-water repairs with replacement of existing subgrade drainage infrastructures.

Acquisition:
N/A

Design:
Start: 1st Qtr. – FY 16/17
Finish: 3rd Qtr. - FY 16/17

Construction:
Phase III - Bid Schedule D
Start: 3rd Qtr. – FY 17/18
Finish: 4th Qtr. – FY 19/20

Phase IV - Bid Schedule E (Pending Completion of Bid Schedule D)
Start: 3rd Qtr. – FY 17/18
Finish: 1st Qtr. – FY 20/21

Bid Schedule D - 110 days
Bid Schedule E - 90 days

Project Cost:
$ 2,051,556 Total Design (Schedules, B, C, D, and E)
$ 37,924,852 Total Construction (Schedules B, C, D, and E)
$ 39,976,408 Total

Funding Sources:
Total Design (Schedules B, C, D and E - $2,051,556)
$ 1,846,398 FAA AIP Grant funding AIP 074
$ 94,633 FDOT Grant funding FM 431539
$ 110,525 Local funding

Construction (Schedule D only - $9,163,485, – FY 19/20)
$ 8,151,386 FAA AIP Grant Funding AIP # 078
$ 452,855 FDOT Grant Funding FM431539-04
$ 559,244 Local Funding FY17/18

Construction (Schedule E only - $8,371,323 – FY 20/21)
$ 7,438,930 FAA AIP Grant Funding AIP # 080

FY 19/20 Q3 Update
Revised 062520
DAB – AF/PAV-01-B (Continued)

$ 413,274 FDOT Grant Funding FM431539-05
$ 519,119 Local Funding (FY18/19)

Council Actions:
1. TA for Design package Bid Schedules (D&E) approval April 3, 2018
2. Grant Acceptance & approval of local match (D&E) June 5, 2018
3. Council approval of contract to P&S Paving (Bid Sched D Only) Dec 18, 2018
4. Council approval of RS&H CA/RPR Svcs. (Bid Schedule D) August 6, 2019
5. Council approval of AVCO Post Design Svcs. (Bid Schedule D) August 6, 2019
6. Council approved P&S Paving Change Order price increase (Bid Sched D) January 21, 2020
7. Council approved P&S Paving Contract Amendment (Bid Schedule E) January 21, 2020

Status:
Bid Schedule D will be completed mid 4th Quarter, Bid Schedule E anticipate NTP will be issued for mid 4th Quarter.

Project Adjustment:
Changes reflected in status update.
DAB-TER-03

Project:
DAB/Terminal - Parking Lot Improvements

Scope:
Milling and overlay of parking areas and vehicular circulation pavements; LED lighting fixtures with automatic controls; Way-finding directional signage and ticketing canopy structures.

Acquisition:
N/A

Design:
Start: 3rd Qtr. – FY 17/18
Finish: 3rd Qtr. – FY 19/20

Construction:
Start: 3rd Qtr. – FY 19/20
Finish: 3rd Qtr. – FY 20/21

Project Cost:
$ 9,880 Sign Inspection
$ 166,284 Design
$ 526,948 Design Changes, Bidding, CA and RPR Services
$ 6,906,888 Construction (Est.) (Cost represents Four (4) separate projects)
$ 7,610,000 Total

Funding Sources:
$ 870,550 Customer Facility Charge Revenue
$ 1,525,000 FDOT Grant FM# 436051
$ 1,525,000 Local Funding
$ 1,844,725 FDOT Additional Grant Request (FY 19/20)
$ 1,844,725 Local Additional Request Funding (FY 19/20)
$ 7,610,000 Total

Council Actions:
1. Grant acceptance and approval of local match March 17, 2014
2. A/E Design Services task authorization (TA) July 17, 2014
3. Request for additional funding approved November 6, 2014
4. Request for additional funding approved June 4, 2015
5. Request for additional funding approved December 17, 2015
6. A/E Selection for Design Services August 21, 2018
7. A/E Design Services Task Authorization July 16, 2019
8. Request to apply and accept for additional grant funding and additional budget authority approved March 3, 2020
DAB-TER-03 (Continued)

Status:
   Bidding process underway.

Project Adjustment:
   Changes reflected in status update.
The design program for the Terminal Parking Lot Improvements Program consists of four (4) individual project packages. The four projects are:

1. Parking Lot Paving Project;
2. Replacement of High Mast Parking Fixtures and lighting Improvements;
3. Replace Wayfinding Signage and,
4. Design and Construct Ticketing Canopy’s.
**DAB-TER-07**

**Project:**
DAB/Terminal – Terminal Renovations

**Scope:**
Renovations to Terminal to improve and enhance both the passenger and airline experience as well as to increase air service development efforts.

**Acquisition:**
N/A

**Design:**
Start: 1st Qtr. - FY 15/16  
Finish: 2nd Qtr. - FY 18/19

**Construction:**
Start: 3rd Qtr. - FY 18/19  
Finish: 1st Qtr. - FY 20/21

**Project Cost:**
- $932,039 Design
- $13,435,740 Construction
- $37,551 Permit Fee (State Mandated)
- $14,405,330 Total

**Funding Sources:**
- $12,000,000 Commercial Loan (FDOT Grant to refund partial amount of loan)
- $2,040,358 Enterprise Operating Fund Reserves
- $364,972 Customer Facility Charge
- $14,405,330 Total

**Council Actions:**
2. Contract Award for CM/GC November 17, 2016  
3. Award contract for CM/GC, Part A March 16, 2017  
4. Approval of Design Task Assignment December 7, 2017  
5. Award contract for CM/GC, Part B April 16, 2019  
6. Request to apply and accept for additional grant funding March 3, 2020

**Status:**
Project is currently on schedule and budget.

**Project Adjustment:**
N/A
FIN-IT-1

Project:
Countywide - 800 MHz Radio System Backbone and Radios

Scope:
Planning, design, and implementation of modern P25 Phase II 800 MHz public safety radio system. The existing 800 MHz radio system, which includes the microwave system, was implemented in 1993. The equipment and technology has reached end-of-life and will be upgraded/replaced as part of this project. The system supports over 9,000 radios used countywide by county and city agencies. In Phase I, a radio system consultant will assist the county in assessing existing assets, evaluating microwave and radio system technology, performing high levels needs assessments, and providing financial and technical options analysis. In Phase II, the consultant will assist with radio system design and specifications, procurement, and implementation.

Acquisition:
800 MHz Public Safety Radio System was implemented in 1993

Design:
Phase I – Radio System Modernization Assessment and Planning
Start: 1st Qtr. - FY 16/17
Finish: 3rd Qtr. - FY 17/18

Phase II – Radio System Modernization Design and Procurement
Start: 3rd Qtr. - FY 17/18
Finish: 1st Qtr. – FY 20/21

Construction:
Phase II
Start: 2nd Qtr. - FY 20/21 (Begin implementation)
Finish: 2nd Qtr. - FY 22/23

Project Cost:
$ 19,596,072 (estimated) County of Volusia
$ 7,000,000 (estimated) City Budgets
$ 26,596,072 (estimated) Total

Funding Sources:
$ 12,666,330 305-930-4605 General Fund
$ 6,929,742 305-930-4606 800 MHz Capital Radio Replacement
$ 7,000,000 City Budgets
$ 26,596,072 Total
FIN-IT-1 (continued)

Council Actions:
1. Mini-Budget Workshop July 7, 2016
2. Radio System Consultant Award January 18, 2018
3. Approval of Direction to Issue RFP December 4, 2018
4. Approval of Co-location Agreement September 17, 2019
   with Flagler County
5. Consultant and Vendor Presentations June 16, 2020
6. Council approval of negotiated contract Nov/Dec 2020

Status:
Phase I - Complete

Phase II
Task order issued to consultant to assist in RFP development; work completed. Cooperative agreement with Flagler County to share tower space approved and executed on October 7, 2019. Task order issued to consultant to assist with responses to vendor RFP scope and design questions and also pre-bid activities. Radio System RFP has closed and responses have been evaluated, with the consultant preparing to present findings to Council. Work continues to identify a potential site for an additional tower in southeast Volusia.

12/2018: Direction changed to combine microwave and radio system procurement into one RFP solicitation; requirement for two new towers added into the radio system backbone design and work effort; separated procurement process timeline from implementation schedule for tracking clarity.

Project Adjustment:
Updated council actions
OC-318-7

Project:
Ocean Center – Retrofit Arena/Exhibit Hall Lighting to LED

Scope:
Upgrade arena lighting system to LED fixtures with matching control system.

Acquisition:
N/A

Design:
Start: 4th Qtr. – FY 17/18
Finish: 1st Qtr. – FY 19/20

Construction:
Start: 1st Qtr. - FY 20/21
Finish: 2nd Qtr. -FY 21/22

Project Cost:
$ 160,300 Design
$ 1,242,300 Construction
$ 1,402,600 Total

Funding Sources:
$ 1,402,600 318 Ocean Center Capital Fund

Council Actions:
Approved by County Council in FY 17/18 Budget
Design vendor selected September 4, 2018
Design contract awarded February 19, 2019

Status:
100% Construction documents have been delivered.

Project Adjustment:
Bidding and Construction have been pushed back to start 1st Qtr. FY 20/21 due to budgetary adjustments.
Project:
Ocean Center – Replace Arena Roof

Scope:
Replace 140,000 square foot of single ply roofing on arena, ballroom, and mezzanine level meeting rooms.

Acquisition:
N/A

Design:
Start: 3rd Qtr. FY 17/18
Finish: 1st Qtr. FY 19/20

Construction:
Start: 2nd Qtr. - FY 19/20
Finish: 4th Qtr. - FY 20/21

Project Cost:
$ 103,605 Design
$ 1,450,000 Construction
$ 1,553,605 Total

Funding Sources:
$ 1,553,605 318 Ocean Center Capital Fund

Council Actions:
TA for Design approved 4/17/18

Status:
100% Construction documents have been released to the public. Bids are in review and hope to have a recommendation for the July 21 Council meeting.

Project Adjustment:
Construction timeline extended due to scheduling delays during bid process due to COVID-19.
**OC-475-2**

**Project:**
Parking Garage - Lighting

**Scope:**
Replace existing lighting throughout the parking garage with LED lighting with motion sensors.

**Acquisition:**
N/A

**Design:**
Start: 4th Qtr. – FY 17/18  
Finish: 1st Qtr. – FY 19/20

**Construction:**
Start: 2nd Qtr. - FY 20/21  
Finish: 4th Qtr. - FY 21/22

**Project Cost:**
- $16,000 Design
- $200,000 Construction
- $216,000 Total

**Funding Sources:**
- $216,000 475 Parking Garage Fund

**Council Actions:**
Approved by County Council in the FY 17/18 Budget  
Design vendor selected September 4, 2018  
Design contract awarded February 19, 2019

**Status:**
100% Construction documents have been delivered. Bidding on hold.

**Project Adjustment:**
Construction timeline has been adjusted, as the parking garage lighting project will be completed following the arena lighting project.
**Project:**
Parking Garage – Deck & Drainage Restoration

**Scope:**
Replace sealant in all concrete joints throughout the parking garage. Repair sheer point connections between pre-cast concrete panels. Install carbon fiber biscuits to add additional sheer point connections.

**Acquisition:**
N/A

**Design:**
- Phase 1
  - Start: 2nd Qtr. - FY 18/19
  - Finish: 1st Qtr. - FY 19/20
- Phase 2 & 3
  - Start: 3rd Qtr. - FY 19/20
  - Finish: 4th Qtr. - FY 19/20

**Construction:**
- Phase 1
  - Start: 2nd Qtr. – FY 19/20
  - Finish: 2nd Qtr. – FY 20/21
- Phase 2 & 3
  - Start: 3rd Qtr. - FY 20/21
  - Finish: 2nd Qtr. - FY 21/22

**Project Cost:**
- Design: $74,265
- Construction: $1,017,735
- Project Total: $1,092,000

**Funding Sources:**
475 Parking Garage Fund

**Council Actions:**
Council approval of FY 18/19 Budget.
Task Assignment for design approved by council on 2/5/19

**Status:**
Bids have been received. Recommendation of award will be presented at July 21, 2020 Council meeting to lowest responsive bidder.
**OC-475-4(Continued)**

**Project Adjustment:**
Bid closing has been extended due to several rounds of questions and addendums.
Project: Volusia County Branch Jail – 1300 Red John Drive, Daytona Beach

Scope: Potable Water Pipe Replacement
Phased replacement will coincide with roof project

Acquisition: Original (1987) cast iron pipes in courtyards.

Design:
Start: 2nd Qtr. – FY 15/16
Finish: 3rd Qtr. – FY 19/20

Construction:
Start: 4th Qtr. – FY 19/20
Finish: Multi Year Project - Phased

Project Cost: $400,000 total

Funding Sources: General Fund

Council Actions:
1. Council Approved: October 1, 2019

Status: Project deferred until FY 17/18 due to roof replacement project. Current potable water pipe replacement plans transition water supply pipes to the roof which provides better access for repairs and replacement when needed. Design is being updated. The first phase of the project will begin when the design is complete.

Project Adjustment: N/A
Project: 
Volusia County Branch Jail/Corrections Facility Security and Surveillance System Upgrade
–1300 Red John Drive and 1354 Indian Lake Road, Daytona Beach

Scope:
Corrections Security and Securities System Upgrade. Multi-year, multi-phase project to modernize the aging security systems (i.e. program logical control system, camera, intercoms, etc.) to provide enhanced security for inmates and staff. Both facilities are in need of modern integrated systems to expand viewing coverage; provide clearer audio and alerts, electronic access and logging, and centralized/decentralized control of units; and replace end of life equipment. Request for funding related to the security modernization projects will be determined once security design and engineering studies are completed.

Acquisition:
The Volusia County Branch Jail (VCBJ) was built in 1986
The County Correctional Facility was built in 1977

Design:
Start: 2nd Qtr. – FY 18/19 
Finish: 4th Qtr. – FY 19/20 – Design Phase

Construction:
Start: TBD 
Finish: TBD

Project Cost:
$ 65,000 Assessment
$ 398,100 Design & Engineering Cost
$ 7,850,000 Construction Cost (Estimated)
$ 8,313,100 Total

Funding Sources:
001-520-1500-6520 General Fund (multi-year)

Council Actions:
1. Approval of Assessment in FY 18/19 Budget.
2. Award of contract for security design/engineering services 9/4/18
3. County Council approved Task Assignment #1 2/19/19

Status:
RSQ for design/engineering consultant completed and awarded October 2018.
Consultant has begun work on the assessment of design/engineering for Phase I. Assessment will be completed in 4th Qtr. FY18/19.
Design and engineering phase to begin October 1, 2019. Delayed.
Task Assignment approved by County on April 21, 2020.
Design is underway.
PP-DOC-9 (Continued)

Project Adjustment:

Design and Engineering Phase has been delayed slightly, with design completion date expected by August 2020.
Project:

Volusia County Branch Jail/Correction Facility Operations System Upgrade
-1300 Red John Drive and 1354 Indian Lake Road, Daytona Beach

Scope:

Upgrade of three major critical Corrections applications used to provide management of jail operations and to provide inmates services. These systems have surpassed their operational life expectancy and the vendors are no longer evolving the systems to meet current requirements for inmate and public services, security, cost efficiencies, and interoperability. Systems being upgraded include Video Visitation, Inmate Telephone, and Jail Management.

Acquisition:

Video Visitation System – 2008
Jail Management System - 2009
Inmate Phone System – 2011

Design:

N/A

Construction:

Video Visitation System
Start: 4th Qtr. – FY 18/19
Finish: 2nd Qtr. – FY 19/20

Inmate Phone System
Start: 4th Qtr. – FY 18/19
Finish: 4th Qtr. – FY 18/19

Jail Management System
Start: 1st Qtr. – FY 19/20
Finish: 1st Qtr. – FY 20/21

Project Cost:

$ 1,098,000 Jail Management System

The Inmate Phone and Video Visitation is funded by contractor and repaid with revenue generated by the system. There is no upfront county cost.

Funding Sources:

$ 1,098,000 Jail Management System 309 Capital Fund

Council Actions:

1. Approval of FY 17/18 Budget
2. Award of contracts for Video Visitation/Inmate Phone System – July 2, 2019
3. Approval of FY 18/19 Budget – 4th Qtr. FY 17/18
4. Award of contract for Jail Management System – 3rd Qtr. FY 18/19

Status:
The RFP closed on March 28th. This project is dependent upon the network infrastructure upgrade (PP-DOC-8), a competitive RFP solicitation, and implementation of three systems. Firms have been shortlisted by the evaluation committee on 9/13/18 to: JMS: Beacon, GTL, ICSolutions and Tribridge. Video Visitation and Inmate Phone: GTL, ICSolutions, Legacy and Securus. Scripted demos took place 1st Qtr. FY 18/19. Contract negotiations are underway. Award recommendation 4th Qtr. FY 18/19. Project began in 4th Qtr. FY18/19. The inmate phone system is complete. The remainder of the project is underway. Video Visitation and Inmate Phone System was completed in August 2019. The Jail Management System training will begin in May and is expected to be completed ahead of schedule in Fall 2020.

Project Adjustment:
On November 30, 2018, the evaluation committee selected Beacon as the JMS provider and ICS for a combined WS/IPIS solution. Contract negotiations began during the 2nd Qtr. FY 18/19. The final contract is expected to come before Council for approval in late June/early July. Implementation is expected in the 4th Qtr. FY 18/19. The project is underway. Project is ahead of schedule.
PP-DOC-13

Project:
VCBJ Kitchen Floor Replacement

Scope:
The original tile kitchen floors will be removed and a high performance polyurethane, waterproof product will be spread across the entire @5,000 sq. ft. area. This renovation will greatly improve the safety, sanitation, and performance of the kitchen.

Construction:
Start: 4th Qtr. – FY 19/20
Finish: 4th Qtr. – FY 19/20

Project Cost:
$ 250,000 Construction
$ 250,000 Total

Funding Sources:
$ 250,000 General Fund
$ 250,000 Total

Council Actions:
1. County Council approved budget October 1, 2019

Status:
The project scope is being revised and will be out to bid in the next 60 days.

Project Adjustment:
Project is delayed due to change in scope. This project will be put out to bid and construction should be completed by the end of the year.
Project: Medical Examiner Facility – Location to be determined

Scope: Upgrade existing or construct new facility to provide adequate morgue, autopsy and laboratory space. The medical examiner staff spaces will be appropriately upgraded and new customer spaces provided.

Acquisition: Site TBD from Existing County Indian Lake Properties

Design: Start: 3rd Qtr. – FY 19/20
Finish: TBD
Design schedule to be determined pending location selection

Construction: TBD

Project Cost:
$ TBD Design and Engineering
$ TBD Construction
$ TBD Total

Funding Sources:
$ 7,316,935 General Fund (373-930-1310)

Council Actions:
1. CMGC Part A services June 2, 2020
   Contract Executed
2. Architectural/engineering services April 7, 2020
   Task Assignment #1 Executed

Status: Kickoff for master planning and programming conducted 3rd quarter FY 19/20
Land survey complete
Schenkel Shultz Architects with Wharton Smith preparation of site analysis report in progress. Site selection approval scheduled for 4th quarter FY 19/20
Geotechnical engineering complete

Project Adjustment: N/A
PW-COS-6

Project:
Sun & Surf Park – 726 N. Atlantic Ave., Daytona Beach

Scope:
70 parking spaces, including 5 ADA parking spaces, an ADA beach access ramp, showers, bike
racks, and a 15' wide stamped concrete beachfront boardwalk, landscaping.

Acquisition:
July 2015
December 2015 - County Occupancy

Design:
Start: 2nd Qtr. – FY 15/16
Finish: 4th Qtr. – FY 19/20

Construction:
Start: 1st Qtr. – FY 20/21
Finish: 3rd Qtr. – FY 20/21

Project Cost:
$ 400,000 Demolition
$ 42,301 Design
$ 625,000 Construction (estimated)
$1,067,301 Total

Funding Sources:
$1,067,301 Funded from Beach Capital

Council Actions:
Purchase Approval May 7, 2015
Const. Funding Approved October 1, 2016
Demo Contract Awarded November 17, 2016

Status:
Demolition completed February 2017
Underground storage tank removed April 2017
Site survey updated for CCCL May 2017
UST remediation Task Assignment-2 approved August 2017
Florida DEP – CCCL permit submitted March 2018
FDEP Stormwater Permit Received November 2018
FDOT Driveway Permit Received March 2019
Local Government Authority Letter Received from City of Daytona Beach June 2019
CCCL Permit Received August 2019
PW-COS-6 (Continued)

Uniform Development Review Pre-Application Meeting
with City of Daytona Beach  February 2020
Uniform Development Review Application Submitted
to City of Daytona Beach  April 2020

Project Adjustment:
PW-COS-14

Project:
Plaza Beach Ramp Public Access Improvements

Scope:
Design, permitting and construction of improvements to the Plaza Blvd. Beach Ramp. Improvements include permanently closing off the ramp with a seawall to eliminate damage to the ROW during storm events, parking, ADA parking, seating, shade structures, an ADA ramp to the beach, a shower tower, stormwater management and landscaping. Construction will require two phases to comply with FEMA grant funding.

Acquisition:
N/A

Design:
Start: 2nd Qtr. – FY 17/18
Finish: 3rd Qtr. - FY 19/20

Construction:
Start: 1st Qtr. – FY 20/21
Finish: 4th Qtr. – FY 20/21

Project Cost:
$ 60,000  Design
$ 475,000  Construction
$ 535,000  Total

Funding Sources:
$ 320,000  Beach Capital
$ 215,000  FEMA Hazard Mitigation Grant
$ 535,000  Total

Council Actions:
Task Assignment Awarded        April 2018
Council approval of site plan   June 2019

Status:
Conceptual design phase
Design Task Initiated          April 2018
Survey and Geotech Completed   May 2018
Conceptual Design Complete     June 2018
30% Plans Completed            August 2018
60% Plans Completed            March 2019
FDEP CCCL Permit Submitted     April 2019
FEMA approves grant funding    May 2019
PW-COS-14 (Continued)

90% Plans Completed May 2019
FDEP CCCL Permit Received March 2020

Project Adjustment:
Project:
16th Avenue Off-Beach Parking & Beach Access

Scope:
Design, permitting and construction of a small paved off-beach parking area with ADA parking spaces and an ADA compliant beach access structure within the county owned ROW at the east end of 16th Ave. in New Smyrna Beach. Other amenities include a shower and a bike rack.

Design:
Start: 1st Qtr. – FY 18/19
Finish: 4th Qtr. – FY 19/20

Construction:
Start: 2nd Qtr. – FY 20/21
Finish: 4th Qtr. – FY 20/21

Project Cost:
$168,643 Design
$500,000 Construction
$668,643 Total

Funding Sources:
$668,643 Beach Capital

Council Actions:
Approval of TA for parking lot design October 2, 2018
Approval of paved parking June 2019

Status:
Design task assignment issued October 2018
Topographic survey completed November 2018
Conceptual design completed February 2019
Alternatives for cost comparison April 2019
Pre-Application Meeting f/ FDEP July 2019
30% Plans Completed September 2019
FDEP CCCL Permit Submitted November 2019
FDEP Stormwater Permit Submitted November 2019
60% plans completed January 2020
FDEP Stormwater Permit Received March 2020
Awaiting CCCL Permit

Project Adjustment:
CCCL Permit approval has been delayed due to FDEP concerns about County’s ownership/ right to construct in the 16th Ave right of way. Ownership/ right to construct was brought forward in a petition for administrative hearing filed by an adjacent property owner.
PW-COS-18

Project:
Edwin W. Peck, Sr. Park (3167 S. Atlantic Ave., Daytona Beach Shores)

Scope:
Design, permitting and construction of a beachfront park with 102 parking spaces including 6 ADA compliant parking stalls. Other amenities include a restroom, playground equipment, fitness stations, showers, bike racks, grills and an ADA dune walkover.

Design:
Start: 1st Qtr. – FY 15/16
Finish: 4th Qtr. – FY 19/20

Construction:
Start: 2nd Qtr. – FY 20/21
Finish: 1st Qtr. – FY 21/22

Project Cost:
$ 181,100 Design
$ 1,800,951 Construction
$ 1,982,051 Total

Funding Sources:
$ 1,982,051 from Beach Capital

Council Actions:
Approval of TA for design November 2015
Agreement reached between DBS and County August 2018
Naming of Edwin W. Peck, Sr. Park December 2018

Status:
Design task assignment issued November 2015
Amendment to design TA December 2018
Topographic survey completed January 2019
Geotechnical testing completed April 2019
30% plans completed April 2019
60% plans completed June 2019
CCCL Permit Application Submitted August 2019
100% plans completed October 2019
FDEP Stormwater Permit Received December 2019
3rd Party Plan review complete May 2020
Awaiting CCCL Permit
Project Adjustment:

CCCL permitting, particularly the armoring permit is ongoing
PW-COS-19

Project:
Dahlia Ave. Park (3621 S. Atlantic Ave., Daytona Beach Shores)

Scope:
Design, permitting and construction of a beachfront park with 61 parking spaces including 3 ADA compliant parking stalls. Other amenities include a restroom, playground equipment, picnic pavilions, showers, bike racks, grills and an ADA dune walkover. Construction will include demo of existing structures.

Design:
Start: 1st Qtr. – FY 15/16
Finish: 4th Qtr. – FY 19/20

Construction:
Start: 2nd Qtr. – FY 20/21
Finish: 1st Qtr. – FY 21/22

Project Cost:
$ 138,600 Design
$ 1,062,562 Construction
$ 1,201,162 Total

Funding Sources:
$ 1,201,162 from Beach Capital

Council Actions:
Approval of TA for design November 2015
Agreement reached between DBS and County August 2018

Status:
Design task assignment issued November 2015
Amendment 1 to design TA February 2016
Amendment 2 to design TA December 2018
Topographic survey completed January 2019
Geotechnical testing completed April 2019
30% plans completed April 2019
60% plans completed June 2019
CCCL Permit Application Submitted August 2019
100% Plans completed October 2019
FDEP Stormwater permit received December 2019
3rd Party Plan Review Complete May 2020
Awaiting CCCL Permit
PW-COS-19 (Continued)

Project Adjustment:

CCCL permitting, particularly the armoring permit is ongoing.
PW-COS-20

Project:
   International Speedway Boulevard Ramp Improvements – Daytona Beach

Scope:
   Design and permitting of upgrades to the ISB beach ramp including; new hardscape, lighting, landscaping, utilities and replacement of the existing restroom.

Design:
   Start: 2nd Qtr. – FY 19/20
   Finish: 3rd Qtr. – FY 21/22

Construction:
   Start: TBD
   Finish: TBD

Project Cost:
   $ 169,540 Design
   $  TBD Construction
   $ 169,540 Total

Funding Sources:
   $ 169,540 Beach Capital
   $ 169,540 Total

Council Actions:
   1. Approval of TA for Design January 21, 2020

Status:
   Project Kick-Off Meeting February 2020
   Conceptual Plan Complete March 2020

Project Adjustment:
   N/A
PW-COS-21

Project:
Silver Beach Ave. Beach Ramp Improvements – Daytona Beach

Scope:
Design and permitting of upgrades to the Silver Beach Ave. Beach Ramp including: new hardscape, landscaping, utilities and replacement of the existing restroom.

Design:
Start: 2nd Qtr. – FY 19/20
Finish: 1st Qtr. – FY 20/21

Construction:
Start: TBD
Finish: TBD

Project Cost:
$ 142,085 Design
$ TBD Construction
$ 142,085 Total

Funding Sources:
$ 142,085 Beach Capital
$ 142,085 Total

Council Actions:
1. Approval of TA for Design February 18, 2020

Status:
NTP Issued March 2020
Conceptual Plan Complete April 2020

Project Adjustment:
N/A
Project:
Thornby Park Water Quality Improvement Project

Scope:
The Thornby Park Water Quality Improvement Project includes the evaluation of the stormwater outfall near Thornby Park in Deltona to design an upflow nutrient filtration system as well as a nutrient separating baffle box for the treatment of the stormwater prior to discharge into Lake Monroe (St. Johns River). The proposed stormwater treatment system will provide sediment and nutrient removal that enhances water quality discharging to Middle St. Johns River, an impaired water body.

Acquisition:
N/A

Design:
Start: 4th Qtr. – FY 17/18
Finish: 2nd Qtr. – FY 19/20

Construction:
Start: 4th Qtr. – FY 19/20
Finish: 1st Qtr. – FY 20/21

Project Cost:
$ 109,375 Design and Permitting
$ 359,107 Construction
$ 468,482 Total

Funding Sources:
$ 151,503 Stormwater Utility
$ 75,000 SJRWMD grant
$ 241,979 FDEP grant
$ 468,482 Total

Council Actions:
1. Task assignment approved for design and permitting on August 21, 2018.
2. Cost-share agreement with SJRWMD approved on August 6, 2019.

Status:
The grant agreement with the Florida Department of Environmental Protection and the contract award recommendation for the construction of the project will be scheduled for Council approval on July 21, 2020.
Project:
Lake Beresford/Lakeside Drive Stormwater Improvement Project

Scope:
The Lake Beresford/Lakeside Drive Stormwater Improvement Project is located in the DeLand area and was identified in the St. Johns River Outfall Study as a priority water quality improvement project. The project will construct a stormwater treatment facility that will reduce nutrient loading and improve the quality of stormwater prior to discharge into Lake Beresford and the St. Johns River, an impaired waterbody.

Acquisition:
Completed

Design:
Start: 4th Qtr. – FY 18/19
Finish: 1st Qtr. – FY 20/21

Construction:
Start: 2nd Qtr. – FY 20/21
Finish: 4th Qtr. – FY 20/21

Project Cost:
$ 228,700 Land Acquisition
$ 78,272 Design & Permitting
$ 271,728 Construction
$ 578,700 Total

Funding Sources:
$ 228,700 Stormwater Utility
$ 78,272 Stormwater Utility
$ 271,728 FDEP grant application to be submitted with Stormwater Utility as match
$ 578,700 Total

Council Actions:
1. Land purchase approved on June 4, 2019.
2. Task assignment approved for design and permitting on June 18, 2019.

Status:
Design and permitting is underway. Awaiting notification of award of a grant funding application that has been submitted to FDEP.
PW-DTT-7 (Continued)
Lake Beresford/Lakeside Drive Stormwater Improvement Project in the DeLand area

Proposed 0.33 Acre (Approx.)
Offline Wet Detention Facility
Approx. Treatment Volume: 1 ac-ft
Approx. Permanent Pool Volume: 1 ac-ft
(Acquisition of Vacant Parcel)

Outfall 7
(54 x 40" CMP)

Diversions Structure within ditch
Project:
Gabordy Canal at 10th Street Stormwater Treatment Facility

Scope:
The Gabordy Canal at 10th Street Stormwater Treatment Facility in the New Smyrna and Edgewater area is identified within the Mosquito Lagoon Reasonable Assurance Plan as a project that will contribute to the reduction of nutrient loading into the Mosquito Lagoon. This project entails the installation of a nutrient removal treatment facility that will provide treatment for base flow and roadway stormwater runoff that is conveyed by the Gabordy Canal prior to its discharge into the Mosquito Lagoon. This project will be co-located on the same parcel of land that was acquired for the stormwater treatment pond that is part of the 10th Street Road Widening Project.

Acquisition:
Completed

Design:
Start: 1st Qtr. – FY 19/20
Finish: 4th Qtr. – FY 19/20

Construction:
Start: 1st Qtr. – FY 20/21
Finish: 4th Qtr. – FY 20/21

Project Cost:
$ 199,960 Design & Permitting
$ 975,040 Construction
$ 1,175,000 Total

Funding Sources:
$ 100,000 Indian River Lagoon Council grant
$ 99,960 Stormwater Utility match
$ 975,040 FDEP & SJRWMD grant apps. to be submitted/Stormwater Utility as match
$ 1,175,000 Total

Council Actions:
1. Land exchange approved on October 2, 2018.
2. Cost-share agreement with the Indian River Lagoon Council approved on August 6, 2019.
3. Task assignment approved for design and permitting on September 17, 2019.

Status:
Design is underway. FDEP and SJRWMD grant funding applications for next upcoming cycles to be submitted (FDEP – September/October 2020; SJRWMD January 2021).
PW-DTT-8 (Continued)
Garbordy Canal at 10th Street Stormwater Treatment Facility in New Smyrna Beach and Edgewater
PW-DTT-9

Project:
Ariel Canal Water Quality Improvement Project

Scope:
The Ariel Canal Water Quality Improvement Project is identified within the Mosquito Lagoon Reasonable Assurance Plan as a project that will contribute to the reduction of nutrient loading into the Mosquito Lagoon. This project is located in Riverbreeze Park in the Oak Hill area and entails the relocation of the existing upstream diversion weir, modifications to the two existing stormwater ponds, and construction of an inter-event treatment system for the purpose of providing water quality and nutrient load reduction to the stormwater runoff conveyed by the Ariel Canal prior to discharge into the Mosquito Lagoon.

Acquisition:
Completed

Design:
Start: 1st Qtr. – FY 19/20
Finish: 1st Qtr. – FY 20/21

Construction:
Start: 2nd Qtr. – FY 20/21
Finish: 4th Qtr. – FY 20/21

Project Cost:
$ 74,715 Engineering Evaluation
$ 91,815 Design & Permitting
$ 775,000 Construction
$ 941,530 Total

Funding Sources:
$ 74,715 Stormwater Utility
$ 91,815 Stormwater Utility
$ 775,000 FDEP grant application to be submitted with Stormwater Utility as match; pending 2020 Legislative Appropriation request
$ 941,530 Total

Council Actions:
1. Engineering evaluation approved on March 5, 2019.
2. Task assignment approval for design and permitting on October 1, 2019.

Status:
Design is underway. Awaiting notification of award of a grant funding application that has been submitted to FDEP.
PW-DTT-9 (Continued)

Ariel Canal Water Quality Improvement Project in Riverbreeze Park, Oak Hill area
PW-ENG-5061

Project:
Tenth Street Widening - Myrtle Ave to US 1 in New Smyrna Beach and Edgewater

Scope:
2-lane to 4-lane widening including major box culvert(s) under FEC railroad and railroad crossing signalization

Acquisition:
ROW acquired

Design:
Finish: 2nd Qtr. - FY 19/20

Construction:
Start: 4th Qtr. - FY 19/20
Finish: 3rd Qtr. - FY 21/22

Project Cost:
$ 1,232,288 Acquisition
$ 1,502,700 Design
$ 15,973,192 Construction
$ 18,708,180 Total

Funding Sources:
$ 9,072,929 Local Option Gas Tax
$ 2,800,000 CBIR Grant – State grant
$ 1,500,000 Impact Fees
$ 962,660 Utility Commission of New Smyrna Beach
$ 4,372,591 Bond Funding
$ 18,708,180 Total

Council Actions:
1. CBIR state grant  May 7, 2009
2. Design awarded  March 18, 2010
3. Amended design award  April 7, 2011
4. Task Assignment Amendment  September 10, 2015
5. Agreement for Exchange of Real Property – BG Edgewater, LLC (trade pond location for alternate site)  October 2, 2018
6. Task Assignment Amendment  October 2, 2018
7. FEC Agreement – Railroad Bridge  February 4, 2020
8. FEC & City of NSB Agreement – Railroad Crossing  February 4, 2020
10. Construction Contract Award  March 3, 2020
11. CEI Selection  March 17, 2020
Status:
FDOT District 5 Rail pursuing funds to support rail crossing improvements
Pre-construction meeting held June 2, 2020.

Project Adjustment:
Updated construction timeline per construction contractor schedule and project status.
Project:
Howland Blvd Widening – Providence Blvd to Elkcam Blvd in Deltona

Scope:
2 lane to 4 lane widening

Acquisition:
Need ROW for storm ponds
Start: 3rd Qtr FY 17/18
Finish: 2nd Qtr FY 19/20

Design:
Start: 2nd Qtr. - FY 16/17
Finish: 4th Qtr. - FY 18/19

Construction:
Start: 1st Qtr. - FY 19/20
Finish: 1st Qtr. - FY 21/22

Project Cost:
$ 2,260,926 Acquisition
$ 1,012,763 Design
$ 14,115,503 Construction
$ 17,389,192 Total

Funding Sources:
$ 5,223,689 Bond Funding
$ 79,356 Proportionate Fair Share
$ 680,935 Volusia County Utilities
$ 1,135,199 Deltona Water
$ 10,270,012 Local Option Gas Tax
$ 17,389,192 Total

Council Actions:
1. Design Consultant Contract Approval October 19, 2017
2. ROW Acquisition – Pond 2 (partial) November 13, 2018
3. ROW Acquisition – Pond 3 (partial) December 18, 2018
4. Design Consultant Contract Amendment March 5, 2019
5. ROW Acquisition – Pond 3 (partial) March 19, 2019
6. JPA with City of Deltona for Utility Const December 10, 2019
7. Construction Contract Award April 7, 2020
8. CEI Consultant Selection May 5, 2020
9. CEI Consultant Contract Approval June 16, 2020
**PW-ENG-5240 (Continued)**

**Status:**
- Construction underway.
- Acquiring additional easements for grading.

**Project Adjustment:**
- Updated construction cost based on actual CEI fees and added Council actions.
Project:
Veterans Memorial Bridge - Bridge replacement in Daytona Beach

Scope:
Replace existing bascule bridge with 2-lane concrete arch bridge with 8’ sidewalks & fishing pier

Acquisition:
Completed

Design:
Completed

Construction:
Start: 3rd Qtr. - FY 15/16
Finish: 3rd Qtr. – FY 19/20

Project Cost:
$ 3,100,000 Design
$ 43,141,020 Construction
$ 46,241,020 Total

Funding Sources:
$ 46,241,020 LAP Grant - FDOT

Council Actions:
1. LAP Grant - Design May 19, 2011
2. LAP Grant – Construction May 7, 2016
3. Construction award February 18, 2016
4. LAP Grant – Construction Amended June 16, 2016
5. LAP Grant – CEI Supplemental April 2, 2019
6. CEI Contract Amendment April 2, 2019

Status:
Under Construction

Project Adjustment:
Updated construction schedule.
PW-ENG-5395

Project:
Orange Camp Road Widening- Martin Luther King Blvd to I-4 in DeLand

Scope:
2-lane to 4-lane widening and convert signalized intersection to 2 lane roundabout

Acquisition:
ROW donation agreement approved. Deeds pending approval of legal descriptions.

Design:
Start: 2nd Qtr. - FY 16/17
Finish: 1st Qtr. - FY 19/20

Construction:
Start: 2nd Qtr. - FY 19/20
Finish: 4th Qtr. - FY 20/21

Project Cost:
$ 852,747 Acquisition
$ 977,850 Design
$ 11,077,618 Construction
$ 12,908,215 Total

Funding Sources:
$ 4,217,747 Impact Fees
$ 234,001 Proportionate Fair Share
$ 1,417,124 Local Option Gas Tax
$ 1,335,697 City of DeLand Utilities
$ 5,703,646 Bond Funding
$ 12,908,215 Total

Council Actions:
1. Design Consultant Contract Approval    November 16, 2017
2. Design Consultant Contract Amendment    August 20, 2019
3. Wetland Mitigation Agreement    November 19, 2020
4. JPA with City of DeLand for Utility Const    December 10, 2019
5. Agreement with City of DeLand and OK Victoria Park LLLP    December 10, 2019
6. Wetland Mitigation Agreement    January 9, 2020
7. Resolution of ROW Payment to FDOT    January 21, 2020
8. Construction Contract Award    June 16, 2020
9. CEI Consultant Selection    June 16, 2020

Status:
Construction contractor selected. Scheduling Pre-Construction Meeting.
**PW-ENG-5395 (Continued)**

Public meeting - July 2018 at Victoria Gardens Country Club
JPA for utility relocations with City of DeLand executed.

**Project Adjustment:**

Added Council actions and updated project costs based on construction contract and estimated post-design services and CEI services costs.
**PW-ENG-5511-3**

**Project:**
Spring to Spring Phase 3B – Rob Sullivan Park to Dirksen Drive/US 17/92

**Scope:**
12’ wide multi-use trail part of the River to Sea Loop

**Acquisition:**
None

**Design:**
Start: 3rd Qtr. – FY 17/18
Finish: 2nd Qtr. - FY 19/20

**Construction:**
Start: 3rd Qtr. - FY 19/20
Finish: 3rd Qtr. - FY 20/21

**Project Cost:**
$3,038,018

**Funding Sources:**
- $195,200 ECHO Trail Funds
- $272,160 LAP Grant – FDOT
- $2,570,658 SUN Trail Grant
- $3,038,018 Total

**Council Actions:**
1. LAP Grant Approval – Design April 6, 2017
2. Supplemental LAP Grant Agreement December 18, 2018
3. SUN Trail Grant Agreement May 21, 2019
4. Tri-party Agreement May 19, 2020

**Status:**
Design completed. Construction contract bidding completed.
Tri-party agreement with City of DeBary and Duke executed.

**Project Adjustment:**
Revised design schedule due to delays with tri-party agreement with Duke and City of DeBary.
PW-ENG-5797

Project:
Williamson Blvd - LPGA Blvd to Strickland Range Road in Daytona Beach

Scope:
2 lane to 4 lane widening

Acquisition:
Stormwater pond relocation agreement  November 2019.

Design:
Plans originally completed in FY 11/12.
Update of plans:
Start: 3rd Qtr. – FY 17/18
Finish: 3rd Qtr. – FY 18/19

Construction:
Start: 4th Qtr. – FY 18/19
Finish: 4th Qtr. – FY 19/20

Project Cost:
$  182,875  Design Update
$  4,878,955  Construction
$  5,061,830  Total

Funding Sources:
$  182,875  Local Option Gas Tax
$  2,917,391  Development Proportionate Fair Share
$  1,961,564  Florida Job Growth Grant – FDEO
$  5,061,830  Total

Council Actions:
1. Transportation Improvements Cost Allocation Agrmnt  July 6, 2017
2. Florida Job Growth Grant – Construction  March 6, 2018
3. Transportation Improvements Cost Allocation Agrmnt  April 17, 2018
4. Task Assignment - Engineering Plans Update  June 5, 2018
5. Task Assignment Amendment – Eng Plans Update  March 19, 2019
6. Stormwater Pond Joint Use Agreement  November 19, 2019
7. Wetland Impacts Mitigation Agreement  November 19, 2019
8. Construction Contract Award  December 10, 2019
PW-ENG-5797 (Continued)

Status:
Construction underway.

Project Adjustment:
Revised construction schedule based on coordination with contractor. Updated project status.
PW-MSC-01

Project:
Marine Science Center Renovation

Scope:
Renovation of existing facility deficiencies to roof, electrical system, ADA accessibility, parking and water and sewer utilities over a period of 2 years.

Acquisition:
None

Design:
Start: 2nd Qtr. – FY 17/18
Finish: 3rd Qtr. – FY 18/19

Construction:
Start: 3rd Qtr. – FY 18/19
Finish: 1st Qtr. – FY 20/21

Project Cost:
$1,478,326

Funding Sources:
$1,478,326 General Fund

Council Actions:
1. Electrical Study NTP issued 10/25/2017
2. Amendment for Engineering & Architectural Design issued on 3/2/2018
3. Project included in adopted budget approved by council 9/18/18
4. Roof repair contract awarded 9/18/18
5. Electrical update contract awarded 4/16/19.

Status:
Electrical update work underway
ADA scope being developed based on available funds
Roof repairs underway

Project Adjustment:
Council actions updated to reflect award of electrical update. Updated status to reflect start of electrical work and status of ADA and roofing portions of project.
PW-RB-1

Project:
Public Works Northeast Services Facility

Scope:
Proposed relocation of the Road & Bridge and Traffic Engineering services from their obsolete, flood prone facilities in Holly Hill to a drier, hardened facility with a better location.

Acquisition:
Southeast corner of US 92 and Colin Kelly Ave, Daytona Beach

Start: 3rd Qtr. – FY 17/18
Finish: 1st Qtr. – FY 18/19

Design:

Start: 1st Qtr. – FY 18/19
Finish: 1st Qtr. – FY 19/20

Construction:

Start: 2nd Qtr. – FY 19/20
Finish: 2nd Qtr. – FY 20/21

Project Cost:

$ 286,998 Land
$ 1,397,891 Design, permitting, and pre-construction
$ 10,025,821 Construction
$ 11,710,710 Total

Funding Sources:

$ 9,710,710 Transportation Trust
$ 2,000,000 Stormwater Utility
$ 11,710,710 Total Public Works Service Center Fund

Council Actions:
1. Land purchase approved by council on October 30, 2018.
PW-RB-1 (Continued)

Status:
Notice to proceed with construction issued February 11, 2020. The project schedule reflects a 13-month duration with the final completion as March 19, 2021. Construction is underway. Building foundations have been placed and tilt panel walls have been erected. Offsite utility work is underway with all directional borings completed for water, IT conduit, and wastewater.

Project Adjustment:
Project costs reflect information presented to council on January 21, 2020.
PW-SW-4

Project:
Tomoka Farms Road Landfill – 1990 Tomoka Farms Rd., Port Orange
Citizens Convenience Improvement - Household Hazardous Waste Drop off area

Scope:
Canopies at the household hazardous waste area for covered storage for the paint exchange and household chemical reuse areas

Acquisition:
N/A

Design:
Start: 2nd Qtr. – FY 18/19
Finish: 3rd Qtr. – FY 18/19

Construction:
Start: 2nd Qtr. – FY 19/20
Finish: 4th Qtr. – FY 19/20

Project Cost:
$ 43,300 Design
$ 342,254 Construction
$ 385,554 Total

Funding Sources:
$ 385,554 Solid Waste Funded

Council Actions:
Recommendation of Award November 5, 2019

Status:
Preparing task assignment for design
Task assignment has been approved.
Design is complete.
Recommendation of Award scheduled to go to Council November 5, 2019
Preconstruction meeting scheduled for February 12, 2020
Notice to Proceed issued February 12, 2020

Project Adjustment:
N/A
PW-TE-9

Project: Pioneer Trail & Enterprise Avenue in New Smyrna Beach

Scope: Traffic Signal Upgrade – Conversion from concrete poles to mast arm

Acquisition: N/A

Design:
Start: 1st Qtr. – FY 18/19
Finish: 3rd Qtr. – FY 18/19

Construction:
Start: 4th Qtr. – FY 18/19
Finish: 4th Qtr. - FY 19/20

Project Cost:
$ 279,088

Funding Sources:
$ 30,737 Design - Local Option Gas Tax
$ 248,351 Construction - Local Option Gas Tax
$ 279,088 Total

Council Actions:
Approved FY 18/19 Budget

Status:

Project Adjustment:
PW-TE-10

Project:
Saxon Boulevard & Market Place in Orange City

Scope:
Traffic Signal Upgrade – Conversion from concrete poles diagonal span to box span

Acquisition:
Start: 4th Qtr. – FY 18/19  
End: 2nd Qtr. – FY 19/20

Design:
Start: 1st Qtr. – FY 18/19  
Finish: 3rd Qtr. – FY 19/20

Construction:
Start: 3rd Qtr. – FY 19/20  
Finish: 3rd Qtr. – FY 20/21

Project Cost:
$ 331,400

Funding Sources:
$ 31,400 Design - Local Option Gas Tax  
$ 300,000 Construction - Local Option Gas Tax  
$ 331,400 Total

Council Actions:
Approved FY 17/18 Budget

Status:
Design NTP 11/1/18 (TA 34, PC-2479). 90% Design complete for mast arm design. Design completely redone to eliminate need for additional right-of-way since property owner was non-responsive.

Project Adjustment:
Updated status and schedules.
Project: Williamson Boulevard & Bellevue Avenue Extension

Scope: Traffic Signal Upgrade – Conversion from concrete poles to mast arms

Acquisition: N/A

Design:
Start: 1st Qtr. – FY 19/20
Finish: 3rd Qtr. – FY 19/20

Construction:
Start: 3rd Qtr. – FY 19/20
Finish: 3rd Qtr. – FY 20/21

Project Cost:
$ 34,903 Design
$ 396,724 Construction
$ 431,627 Total

Funding Sources:
$ 34,903 Design – Local Option Gas Tax
$ 396,724 Construction - Local Option Gas Tax
$ 431,627 Total

Council Actions:
Approved FY 19/20 Budget

Status:
Design NTP 11/15/2019 (TA 45 PC-2629), Design completed. Construction NTP 6/19/2020 (PO 770-1312). Increase in construction due to mast arm length (ie., 4 lane rural divided highway) and larger/longer mast arm foundation (arm length & poor soil).

Project Adjustment:
Updated project cost/funding and status.
PW-TE-11 (Continued)

Intersection Aerial View:
Project: Orange Camp Road & South Blue Lake Avenue

Scope: New Traffic Signal – Based upon Signal Warrant Study (10/2018)

Acquisition: N/A

Design:
Start: 1st Qtr. – FY 19/20
Finish: 3rd Qtr. – FY 19/20

Construction:
Start: 4th Qtr. – FY 19/20
Finish: 3rd Qtr. – FY 20/21

Project Cost:
$ 33,300 Design
$ 300,000 Construction
$ 333,300 Total

Funding Sources:
$ 33,300 Design – Local Option Gas Tax
$ 300,000 Construction - Local Option Gas Tax
$ 333,300 Total

Council Actions: Approved FY 19/20 Budget

Status:
Design NTP 11/07/2019 (TA 44 PC-2628 ), Design underway – 100% signal plans completed. Awaiting constructability review in field with designer & contractor.

Project Adjustment:
PW-TE-12 (Continued)

Intersection Aerial View:
PW-TE-14

**Project:**
LPGA Boulevard & Center Street, Holly Hill

**Scope:**
Traffic Signal Upgrade – Conversion from concrete poles to mast arms

**Acquisition:**
N/A

**Design:**
Start: 1st Qtr. – FY 19/20
Finish: 3rd Qtr. – FY 19/20

**Construction:**
Start: 4th Qtr. – FY 19/20
Finish: 3rd Qtr. – FY 20/21

**Project Cost:**
$ 34,400 Design
$ 325,000 Construction
$ 356,400 Total

**Funding Sources:**
$ 34,400 Design – Local Option Gas Tax
$ 325,000 Construction - Local Option Gas Tax
$ 356,400 Total

**Council Actions:**
Approved FY 19/20 Budget

**Status:**

**Project Adjustment:**
Updated construction schedule and status.
Intersection Aerial View:
PW-WRU-4

Project:
Indian Harbor Estates Sanitary Sewer Retrofit

Scope:
The project is identified within the Mosquito Lagoon Reasonable Assurance Plan to effectively reduce nitrogen and phosphorous pollutants flowing into the Mosquito Lagoon while providing the approximately 280 homeowners with a centralized wastewater collection system. The Indian Harbor Estates area has been listed among the highest priorities for conversion of septic systems due to the number of homes in the subdivision and its location along canals leading to the Mosquito Lagoon.

Acquisition:
N/A

Design:
Start: 2nd Qtr. - FY 19/20
Finish: 1st Qtr. – FY 20/21

Construction:
Start: Pending Grant Funding
Finish: N/A

Project Cost:
$ 358,305  (Design)

Funding Sources:
$ 258,305      Water Resources and Utilities Operating Funds
$ 100,000      Indian River Lagoon National Estuary Program (FY 19/20)
$ 358,305      Total

Council Actions:
1. IRL Council cost share approval August 20, 2019
2. Selection for professional engineering services November 5, 2019
3. Design services approval February 4, 2020

Status:
Pending matching funds from other governmental regulatory agencies

Project Adjustment:
Additional time 4-6 weeks needed for completion of survey work.
**PW-WRU-9**

**Project:**
Glen Abbey Subdivision Reclaimed Water Main Extension

**Scope:**
Construction of 2,900 linear ft. of reclaimed water main to connect existing "dry lines" and provide service for approximately 250 customers.

**Acquisition:**
N/A

**Design:**
Start: 1st Qtr. - FY 18/19  
Finish: 3rd Qtr. - FY 18/19

**Construction:**
Start: 1st Qtr. - FY 19/20  
Finish: 3rd Qtr. - FY 19/20

**Project Cost:**
$501,000 Engineering and Construction

**Funding Sources:**
$501,000 Water Resources and Utilities Operating Funds

**Council Actions:**
Design services approval November 13, 2018  
Construction services approval September 17, 2019

**Status:**
Design complete  
Construction on schedule

**Project Adjustment:**
N/A
PW-WRU-9 (Continued)
**PW-WRU-10**

**Project:**
Southwest Service Area Wastewater Infrastructure Improvements

**Scope:**
Construction of 3 miles of wastewater force main and other infrastructure connecting two (2) utility service areas enabling advanced treatment at southwest regional water reclamation facility and allowing for decommissioning of existing Del North wastewater plant.

**Acquisition:**
N/A

**Design:**
Start: 2<sup>nd</sup> Qtr. - FY 18/19  
Finish: 1<sup>st</sup> Qtr. - FY 19/20

**Construction:**
Start: 2<sup>nd</sup> Qtr. - FY 19/20  
Finish: 4<sup>th</sup> Qtr. - FY 20/21

**Project Cost:**
$6,300,000 Engineering and Construction (Estimate)

**Funding Sources:**
- $1,500,000 Florida Department of Environmental Protection
- $1,425,000 St. Johns River Water Management District
- $3,375,000 Water Resources and Utilities Operating Funds
- $6,300,000 Total

**Council Actions:**
- Design services approval: November 13, 2018
- Pre-construction services approval: December 18, 2018
- SJRWMD/FDEP cost share contract approval: February 18, 2020
- Construction and post design approval: April 7, 2020

**Status:**
Design complete  
Construction kick-off May 2020

**Project Adjustment:**
N/A
PW-WRU-10 (Continued)
PW-WRU-11

Project:
Fort Florida Rd Utility Improvements

Scope:
Construction of water, sewer, and reclaimed water mains, each approximately 3,000 feet, along Fort Florida Rd from US 17/92 to Barwick Rd. The infrastructure will enable the water resources and utilities division to provide service to planned residential communities and commercial activity in the DeBary area.

Acquisition:
None Required

Design:
Start: 3rd Qtr. – FY 17/18
Finish: 4th Qtr. – FY 18/19

Construction:
Start: 2nd Qtr. – FY 19/20
Finish: 1st Qtr. – FY 20/21

Project Cost:
$ 172,410 Design
$ 1,343,337 Construction
$ 1,515,747 Total

Funding Sources:
$ 1,515,747 Funded from WRU Budgeted/Appropriated Funds

Council Actions:
1. Joint project agreement with City of DeBary for design January 18, 2018
2. Post design & construction management services December 10, 2019
3. Construction approved December 10, 2019

Status:
Commence construction Feb 2020

Project Adjustment:
Project 3 months ahead of schedule
PW-WRU-12

Project:
Blue Spring Wetland Aquifer Recharge (Phase I)

Scope:
Development of test cells within 60 acre borrow pit site near Blue spring state park for the purpose of assessing technical, environmental, and financial feasibility of constructing a wetland treatment and aquifer recharge facility to benefit spring flow and ensure groundwater withdrawals remain within sustainable limits. The county is the project lead with the cities of DeLand, Deltona, Orange City and St. Johns River Water Management District (SJRWMD) participating in this initiative.

Acquisition:
Land acquisition pending technical and environmental assessment of load test results

Design and Analysis:
Start: 1st Qtr. – FY 19/20
Finish: 1st Qtr. – FY 20/21

Construction:
Pending results of load testing and availability of matching funds provided by state agencies

Project Cost:
$ 950,000 Phase I testing and analysis

Funding Sources:
$ 375,000 SJRWMD cost share funds
$ 460,000 Participating city shares
$ 115,000 WRU Budgeted funds
$ 950,000 Total

Council Actions:
1. Volusia Blue implementation agreement with cities approved August 20, 2019
2. Joint participation agreement with SJRWMD approved August 20, 2019
3. Engineering and load test analysis approved August 20, 2019

Status:
Load test currently in progress

Project Adjustment:
N/A
**PW-WRU-13**

**Project:**
Glen Abbey Water Treatment Plant Upgrades

**Scope:**
Installation of two ground storage tank aeration and mixing systems at the county's Glen Abbey water treatment plant in Orange City to improve water quality though reduction in disinfectant by-products.

**Acquisition:**
N/A

**Design and Analysis:**
N/A

**Construction:**
Start: 2nd Qtr. – FY 19/20  
Finish: 4th Qtr. – FY 19/20

**Project Cost:**
$375,500 Installation

**Funding Sources:**
$375,500 WRU Budgeted funds

**Council Actions:**
1. Construction contract for installation approved November 19, 2019

**Status:**
Electrical improvements in progress, delivery of equipment delayed 4-6 weeks.

**Project Adjustment:**
Updated status and project schedule.
CAPITAL PROJECT SCHEDULE

FY 19/20
Completed Projects
(current quarter completed projects in main section)

Revised 6/25/20
CS-PRC-20

Project:
Hope Place Recreation Area

Scope:
This project includes a playground, basketball courts, multi-purpose/ball field, pavilion, fencing, benches, water fountain, and landscaping.

Acquisition:
Donation approved July 6, 2017 by County Council

Design:
Start: 1st Qtr. FY 17/18
Finish: 4th Qtr. FY 17/18

Construction:
Start: 2nd Qtr. FY 18/19
Finish: 2nd Qtr. FY 19/20

Project Cost:
$ 481,468 Construction

Funding Sources:
$ 481,468 Park Impact Fee Zone

Council Actions:
Conceptual Plan Reviewed by Council – December 8, 2016
Council Approved Playground Purchase on April 16, 2019
Council Approved basketball court contract on July 2, 2019
Council Approved landscaping & irrigation on August 6, 2019

Status:
Design 100% complete
Met with public on February 13, 2018
Met with public on September 29, 2018
Playground & shade structure complete
Basketball court under construction
Project complete – ribbon cutting to be held on February 14, 2020

Project Adjustment:
Project complete
Project: Volusia County Branch Jail/Correction Facility Network Infrastructure Upgrade  
-1300 Red John Drive and 1354 Indian Lake Road, Daytona Beach

Scope: Network infrastructure upgrades at the Correctional Facility and Branch Jail. The aging data, voice, and video network infrastructure in both facilities will be upgraded to meet the digital, high-speed requirement of new systems such as Video Visitation and to support increased technology utilization throughout the facilities. Project will be in cooperation with the County's Information Technology Department. While this project establishes the foundation for future planned phases to support security upgrades (i.e. cameras and gates), television distribution and intercoms, and other services, additional work and funding will be needed to build onto the infrastructure once plans and specifics are developed.

Acquisition: The Volusia County Branch Jail (VCBJ) was built in 1986  
The County Correctional Facility was built in 1977

Design:  
Start: 2nd Qtr. – FY 17/18  
Finish: 3rd Qtr. – FY 17/18

Construction:  
Start: 4th Qtr. – FY 17/18  
Finish: 1st Qtr. – FY 19/20

Project Cost:  
$ 830,932

Funding Sources:  
$ 667,263 309-930-1200 Correctional Facilities Capital Projects  
$ 163,669 123-520-3500 Inmate Welfare Fund  
$ 830,932 Total

Council Actions:  
1. Approval of FY 17/18 Budget- 4th Qtr. FY16/17  
2. Award of Contract for construction November 13, 2018

Status: Network detailed design and engineering was completed, and equipment/wiring specifications were released for bid 4th Qtr. FY 17/18. Bid award presented and approved by Council on 11/13/18. Pre-construction meetings and work underway; construction began January 2019. Construction is near completion and project is expected to be completed in November. Project completed in October 2019.
Project Adjustment:

- Project cost was estimated.
- Project cost updated to reflect bid award amount.
Project: Volusia County Branch Jail – Phase 3 Roof Replacement Project
1300 Red John Drive, Daytona Beach

Scope: Roof Replacement Project – Phase 3

Acquisition: The Volusia County Branch Jail (VCBJ) was built in 1986

Design:
Start: 1st Qtr. – FY 16/17
Finish: 3rd Qtr. – FY 16/17

Construction:
Start: 4th Qtr. – FY 17/18
Finish: 1st Qtr. – FY 19/20

Project Cost:
$ 77,000 Design
$503,484 Construction
$580,484 Total

Funding Sources:
$580,484 General Fund

Council Actions:
1. Contract Change Order #3 Approved November 13, 2018

Status:
Phase 3 Design – 100% complete
Contract awarded November 13, 2018
Construction is underway.
Completion expected in October/November.
Completed November 2019

Project Adjustment:
Metal fabrication has delayed the completion of the project slightly.
FY 19/20 Q2 Update

Project Complete
PW-ENG-5712

Project:
West Park Avenue from Old Mission Road to Massey Ranch Road in Edgewater

Scope:
2-lane to 3-lane widening with center turn lane including adding 5’ paved shoulders and stormwater management

Acquisition:
Additional ROW acquisition for roadway and stormwater to be by donation

Design:
Start: 4th Qtr. - FY 15/16
Finish: 2nd Qtr. - FY 17/18

Construction:
Start: 3rd Qtr. – FY 17/18
Finish: 1st Qtr. – FY 19/20

Project Cost:
$ 403,317 Design
$ 3,780,682 Construction
$ 4,183,999 Total

Funding Sources:
$ 3,683,289 Local Option Gas Tax
$ 500,710 City of Edgewater
$ 4,183,999 Total

Council Actions:
1. Design Contract Award June 2, 2016
2. JPA w/ City of Edgewater June 5, 2018
3. Agreement w/ Massey Family Ent. June 5, 2018
4. Construction Contract Award July 10, 2018

Status:
Construction complete.
Mitigation approved – Permit in hand.

Project Adjustment:
Updated project status to complete.
PW-ENG-5712

FY 19/20 Q2 Update

Project Complete
PW-SW-5

**Project:**
Tomoka Farms Road Landfill – 13 acre Class I Landfill Expansion  
1990 Tomoka Farms Road, Port Orange

**Scope:**
Permitting, construction design, construction for the 13 acre North Cell Phase II,  
Area 4 Class I Landfill Cell Expansion

**Acquisition:**
N/A

**Design:**
Start: 3rd Qtr. – FY 16/17  
Finish: 4th Qtr. – FY 17/18

**Construction:**
Start: 3rd Qtr. – FY 18/19  
Finish: 2nd Qtr. – FY 19/20

**Project Cost:**
- $396,525 Design
- $8,258,367 Construction Cost
- $438,536 CQA Services
- $9,093,428 Total

**Funding Sources:**
- $9,093,428 Solid Waste Funded

**Council Actions:**
- Engineering Design Approval: May 18, 2017
- Construction Approval: February 5, 2019
- Construction Quality Assurance Approval: March 19, 2019

**Status:**
Design & Permitting 100% complete  
Anticipate submitting the construction bid request end of September or by 1st week in October.  
The construction cost increased by $2,258,367 due to increased cost to import soil and cost of liner material.  
NTP was issued May 6, 2019  
Substantial Completion on February 7, 2020  
Completed – March 1, 2020

**Project Adjustment:**
PW-WRU-5

Project:
Deltona North Water Treatment Plant Facility Upgrades

Scope:
The project calls for improvements to the Deltona North Water Treatment Plant including installation of new orthophosphate storage and feed equipment, sodium hypochlorite storage and feed equipment, spray aeration and mixing equipment in the ground storage tank, new emergency electrical generator and electrical room, raw water piping modifications, building and HVAC modifications, instrumentation system upgrades, and security upgrades.

Acquisition:
None Required

Design:
Start: 2nd Qtr. – FY 16/17
Finish: 1st Qtr. – FY 17/18

Construction:
Start: 2nd Qtr. – FY 18/19
Finish: 2nd Qtr. – FY 19/20

Project Cost:
$255,176 Engineering
$1,962,715 Construction
$2,217,891 Total

Funding Sources:
$2,217,891 Funded from WRU Budgeted/ Appropriated Funds

Council Actions:
1. Design services approval March 16, 2017
2. Construction Bid Award October 30, 2018

Status:
Design 100% Complete
Bid closes 4th Qtr. FY 17/18
Notice to proceed issued March 2019
Project Complete

Project Adjustment:
N/A
PW-WRU-5 (Continued)
**PW-WRU-8**

**Project:**
Advanced Meter Infrastructure (AMI)

**Scope:**
The project calls for procurement and installation of communications equipment; meter transmitters; water level transducers; pressure & temperature sensors; and software analytics to promote water conservation and efficient distribution of potable and reclaimed water service within the 130 sq. mile Blue Spring basin.

**Acquisition:**
N/A

**Design:**
N/A

**Construction:**
Start: 1st Qtr. - FY 18/19
Finish: 1st Qtr. - FY 19/20

**Project Cost:**
$ 956,760

**Funding Sources:**
$ 478,380 SJRWMD Cost Share funding
$ 478,380 Funded from WRU Budgeted Funds
$ 956,760 Total

**Council Actions:**
1. SJRWMD cost share agreement approved October 16, 2018
2. Advanced meter infrastructure equipment approved October 30, 2018

**Status:**
Installation of two-way communications equipment complete
Project on budget
Meter radio replacement or reprogramming over 11,000 units complete
Software analytic tools installed
Project complete and cost share grant closed out

**Project Adjustment:**
Schedule of work performed by in-house crews adjusted by 45 days to account for time lost during hurricane preparedness and storm events. Extension approved by SJRWMD for 60 days.