

**Board of County Commissioners  
Adopted  
Capital Improvement Program  
Fiscal Years 2017-2021**

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## Capital Improvement Program Summary

The Manatee County Comprehensive Plan (Objective 10.1.6) requires Manatee County to develop a Capital Improvement Program (CIP) that provides programming and funding of capital projects consistent with the goals, objectives and policies of the Comprehensive Plan and the Future Land Use Map, to maintain adopted level of service standards and to meet other public facility needs not dictated by level of service standards.

The Capital Improvement Program meets this requirement by providing a planned and programmed approach to utilizing the county's financial resources in the most responsive and efficient manner to meet its infrastructure, equipment and facility needs. The CIP serves as a "blueprint" for the future of the community's growth and development. It highlights the importance of capital maintenance and replacement so those needs are addressed in a timely and coordinated manner. The CIP provides a basis upon which the impact of new projects on future operating budgets can be determined. It is a dynamic tool, not a static accounting document. Under direction of the Financial Management Department, the CIP outlines an annual budget for the county's capital projects and a plan for the county's capital investments over the next five years. As defined by the Manatee County Comprehensive Plan, capital improvements include physical assets that are constructed or purchased to provide, improve, or replace a public facility, and which are large scale and high in cost. The cost of a capital improvement is generally non-recurring and may require multi-year financing. Physical assets which have been identified as existing or projected needs in the individual Comprehensive Plan elements shall be considered capital improvements. The review and revision of the CIP is consistent with the goals, objectives and policies of the Manatee County Comprehensive Plan.

The CIP differs from the Capital Improvement Element (CIE) of the Comprehensive Plan in that the CIE identifies projects and financing for projects that are required to provide services to areas of the county where growth is occurring, and in order to maintain levels of services that are required by the Comprehensive Plan. The CIP includes **all** capital projects, including many that are not related to service levels regularly required by the Comprehensive Plan.

The administration of the Five Year Capital Improvement Program and the revenue outlook establishes the guidelines for fiscal feasibility for any given project. The CIP identifies revenue sources for each planned project. Those projects for which revenues have not been identified are shown as projects of record. The CIP meets the debt financing policy

requirements contained in the county financial policies and integrates county government projects with state and other local governments when appropriate.

Manatee County's capital planning process begins in November. Departments provide capital project submissions which are reviewed and compiled in to the Recommended Budget. In the spring, the Recommended CIP is presented to the Board of County Commissioners in a public work session. After input from the community, the Board considers and adopts the Capital Improvement Program for five years and a capital budget for the ensuing year is integrated into the annual budget which is adopted after two public hearings. The CIP lists each proposed capital project, the year it will commence, the amount to be spent on the project each year until completion and the proposed sources of funding. Amounts represented in the CIP are estimated project costs and are not intended to serve as precise project budgets. Projects are financed with a combination of utility rate revenues, local gas taxes, impact fees, federal and/or state grants, user fees and general revenues. It is the policy of the Board of County Commissioners that growth pays for itself to the greatest extent possible.

The CIP provides adequate time for capital projects to be planned and designed carefully before funding is appropriated and actual construction begins. This process allows professional staff to develop and review the required plans, engineering surveys, and architectural drawings and proceed with purchasing bids and specifications in a timely manner. The lack of a capital program could result in inefficiencies in service provisions where development exceeds the ability of the government to meet infrastructure needs.

The capital improvement program serves as a valuable financial tool. It can be used to forecast future capital demands on current revenues. A CIP that includes a forecast of financial resources available for capital purposes will allow public officials and staff to match those requirements. If expected revenues are not realized, the CIP process enables the county to reevaluate project priorities and either reduce capital spending in a rational manner or defer certain projects until more funding is available. The ability to revise the capital program is particularly important when a significant portion of the capital budget is to be financed from current revenues.

Implementation of the Capital Improvement Program serves to enhance the quality of life for both present and future generations of Manatee County.

## **Administration of the Five Year Capital Improvement Program**

### **1. Purpose and Intent**

This section is established to provide for the applicability and effect of the Five Year Capital Improvement Program for the Manatee County Board of County Commissioners, and to set forth specific requirements and procedures related to the revision and update of the Capital Improvement Program. It is the intent of this resolution that its prescriptive provisions shall be implemented, in part, through the completion of the Capital Improvement projects as described herein.

### **2. Applicability**

The Five Year Capital Improvement Program shall apply to capital improvement and capital maintenance projects undertaken by the County of Manatee, Florida. For the purposes of this section, the term "capital improvement project" shall mean a non-recurring expenditure of \$250,000 or more from county funds for the construction, installation, or acquisition of capital facilities, or the acquisition of interests in land.

### **3. Review and Revision**

Each year the Five Year Capital Improvement Program shall be updated by resolution of the Board of County Commissioners. Such review and revision of the Capital Improvement Program shall be consistent with the goals, objectives, and policies of the Manatee County Comprehensive Plan.

### **4. Consistency of Governmental Development**

- A. For the purpose of the consistency requirement of the program, the first year of the Five Year Capital Improvement Program shall apply to all capital improvement projects undertaken by the County of Manatee for which funds were or will be appropriated in Fiscal Year 2017, except as provided in paragraph D of Section 5 Administrative Provisions, or in a prior year, if the project has not been started as of October 1, 2016.

- B. Year Two of the Five Year Capital Improvement Program shall apply to all capital improvement projects for which funds will be appropriated in Fiscal Year 2018. Projects for Year Two are subject to availability of funds and subsequent appropriation of funds by the Board of County Commissioners.
- C. Years Three through Five of the Five Year Capital Improvement Program shall represent general county policy with respect to capital improvements programming, subject to review and revision on a case by case basis during each of the succeeding budget years, and subject to availability of funds.
- D. Notwithstanding Paragraphs A, B, and C above, the County of Manatee may undertake other capital improvement projects not shown in the Five Year Capital Improvement Program as follows:
  - (1) Emergencies - Such projects found by the Board of County Commissioners to be of an emergency nature may be undertaken without amendment to the program.
  - (2) Other Projects - Or, if not so found to be of an emergency nature, such projects deemed by the Manatee County Board of County Commissioners to be of higher priority than capital projects shown in the CIP may be undertaken, providing the plan is amended by resolution of the Board of County Commissioners. Budget Amendment resolutions which identify such high priority projects as additions or changes to the CIP may serve as the required resolution to amend the plan.

Provided, however, that in all cases, such projects shall be otherwise consistent with the prescriptive provisions of the Plan.

## **5. Administrative Provisions**

- A. Capital improvements shall be deemed consistent with the Capital Improvement Program where they are consistent as to general location, scale and type of facility as provided in the CIP project description, although it need not be consistent in revenue sources or manner of operation.
- B. If funding for a project identified in the CIP as a future year project or a project of record becomes available in advance of the year for which it is planned, the Board of County Commissioners may proceed to implement that project when funding becomes available without an amendment to the Plan.

- C. Amounts shown in the CIP as estimated project costs are estimates and not intended to serve as precise project budgets. This also applies to initial appropriations for the capital projects. A precise project budget will be established for a project upon completion of the following:
- (1) Engineering and architectural plans and specifications upon which the project cost will be estimated.
  - (2) Adoption of budget amendments subsequent to completion of plans and specifications that may be necessary to properly fund the project.
- D. Budgets for projects shall be adopted by the Board of County Commissioners as provided in Resolution R-94-270 which establishes the Manatee County Budget Administration and Implementation Policy. Budget Administration Procedures as provided for under Resolution R-94-270 allow the Budget Officer or his designee to authorize the Purchasing Division to encumber items which require exception to the level of budget control established in the Budget Administration Procedures. This authorization can be given for approved projects, items previously approved for expenditure by the Board of County Commissioners, items required by law, or other expressed priorities of the Board of County Commissioners. Projects included in this CIP and previous CIP's are to be considered "approved projects" for the purpose of encumbering funds in anticipation of formal budget amendment in order to meet significant time constraints or provide for improved fiscal resource management.
- E. To the maximum extent possible, engineering and architectural plans and specifications prepared for roadway projects contained in the Capital Improvement Program will incorporate landscaping, pedestrian/bicycle facilities and other aesthetic design considerations that enhance the image of the community and reduce the impacts to adjacent land uses.
- F. This Five Year Capital Improvement Program is prepared to be consistent with the Capital Improvement Element of the Comprehensive Plan subject to any proposed amendments to the plan presented to the Board of County Commissioners. If any provisions of this resolution are not consistent with the Comprehensive Plan, then the Comprehensive Plan shall prevail over any provisions of this resolution. Projects in the Five Year Capital Improvement Element of the Comprehensive Plan may require subsequent adoption of ordinances and/or amendments to the Comprehensive Plan before the projects can be initiated.
- G. Debt service for projects funded from the proceeds of Transportation Revenue and Refunding Bonds may be

paid from Transportation Impact Fee Revenues if all applicable impact fee requirements are met.

## **6. Funding Sources**

- A. It is the intent of the Board of County Commissioners that any project included in this program may be financed and refinanced using bond proceeds. The language in sections 6.B and 6.C below is provided to ensure that the issuance of bonds to finance projects remains as a viable alternative, even if other funding sources are used to initially finance projects.
- B. This resolution is an affirmative action of the Board towards the issuance of bonds to finance or refinance the Capital Improvement Program of the County in accordance with the laws of the State and the applicable provisions of the Internal Revenue Code of 1986, as amended and the rules and regulations of the Internal Revenue Service applicable thereto.

C. There is hereby authorized to be issued and this Board hereby determines to issue, to the extent necessary to provide financing for projects identified herein, or refinancing for such projects funded from other sources, its general obligation and revenue bonds pursuant to the laws of the state of Florida and, if required by the laws of the state, or the Constitution, a referendum vote on such general obligation bonds, for the capital improvements described in "Exhibit B" hereto in the Five Year Capital Improvement Program in one or more series and issues in aggregate principal amount of up to \$362,436,574. The authority established herein shall be implemented by subsequent resolutions of the Board of County Commissioners.



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Sources and Uses of All Funds Plan Summary**

**Source of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
All Sources	302,815,033	594,942,852	0	0	0	0	0	0	594,942,852
Debt Proceeds	0	0	55,380,384	64,565,200	16,500,100	5,621,000	0	0	142,066,684
Facility Investment Fees	0	0	5,494,445	7,876,000	496,500	2,766,000	1,400,000	0	18,032,945
Florida Boating Improvement Program	0	0	0	850,000	0	0	100,000	0	950,000
Gas Taxes	0	0	3,980,000	2,197,700	1,380,600	0	0	0	7,558,300
Grants	0	0	2,626,000	0	0	0	0	0	2,626,000
Impact Fees	0	0	2,018,750	2,785,000	13,750,000	0	575,000	0	19,128,750
Other	0	0	0	0	1,300,000	0	0	0	1,300,000
Program/ General Revenue	0	0	844,835	0	0	0	0	0	844,835
Rates	0	0	27,752,627	32,315,634	25,116,135	25,848,489	40,435,175	10,665,600	162,133,660
Stormwater Capital Improvements	0	0	1,860,000	0	35,000	1,800,000	0	0	3,695,000
Tourist Development Tax	0	0	1,800,000	0	0	0	0	0	1,800,000
Utilities System Charges	0	0	1,910,000	4,744,000	1,275,000	2,087,000	0	0	10,016,000
West Coast Inland Navigational District	0	0	0	850,000	0	0	2,100,000	0	2,950,000
<b>Total Source of Funds</b>	<b>302,815,033</b>	<b>594,942,852</b>	<b>103,667,041</b>	<b>116,183,534</b>	<b>59,853,335</b>	<b>38,122,489</b>	<b>44,610,175</b>	<b>10,665,600</b>	<b>968,045,026</b>

**Use of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
General Government	43,374,769	74,293,260	3,850,319	0	0	0	0	0	78,143,579
Parks & Natural Resources	25,278,833	47,856,197	2,626,000	2,705,000	4,000,000	0	2,775,000	0	59,962,197
Potable Water	52,567,603	105,391,244	13,135,747	48,428,434	9,818,735	10,136,871	10,223,580	391,600	197,526,211
Solid Waste	4,059,383	7,498,415	1,910,000	4,744,000	1,275,000	2,087,000	0	0	17,514,415
Stormwater	27,033,412	32,313,597	3,660,000	0	35,000	1,800,000	0	0	37,808,597
Transportation	89,158,971	173,383,492	51,362,750	25,977,700	15,740,600	0	0	0	266,464,542
Wastewater	61,342,062	154,206,647	27,122,225	34,328,400	28,984,000	24,098,618	31,611,595	10,274,000	310,625,485
<b>Total Use of Funds</b>	<b>302,815,033</b>	<b>594,942,852</b>	<b>103,667,041</b>	<b>116,183,534</b>	<b>59,853,335</b>	<b>38,122,489</b>	<b>44,610,175</b>	<b>10,665,600</b>	<b>968,045,026</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Sources and Uses of Funds Plan Summary by Category**

**General Government**

**Source of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
All Sources	43,374,769	74,293,260	0	0	0	0	0	0	74,293,260
Debt Proceeds	0	0	3,005,484	0	0	0	0	0	3,005,484
Program/ General Revenue	0	0	844,835	0	0	0	0	0	844,835
Total Source of Funds	43,374,769	74,293,260	3,850,319	0	0	0	0	0	78,143,579

**Use of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
General Government	43,374,769	74,293,260	3,850,319	0	0	0	0	0	78,143,579
Total Use of Funds	43,374,769	74,293,260	3,850,319	0	0	0	0	0	78,143,579



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

General Government	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>General Government</b>									
1 911 Call Backup Center (6049808 / Existing)	61,957	225,000	0	0	0	0	0	0	225,000
2 Accela Software Project (6070210 / Existing)	40,683	990,479	0	0	0	0	0	0	990,479
3 BCC Video Security System (6086700 / Existing)	300,110	464,244	0	0	0	0	0	0	464,244
4 Building & Development Services Satellite Office - Ellenton (6088500 / Existing)	43,817	332,736	0	0	0	0	0	0	332,736
5 CAD Expansion (6083201 / Existing)	401,217	678,000	0	0	0	0	0	0	678,000
6 Central Computer Storage Upgrade (6087000 / Existing)	540,968	983,578	0	0	0	0	0	0	983,578
7 Central Library Renovation (6053104 / Existing)	327,376	390,649	0	0	0	0	0	0	390,649
8 Computer Aided Dispatch (CAD) Disaster Recovery System (6083202 / Existing)	0	100,000	0	0	0	0	0	0	100,000
9 Convention Center Fiber/WiFi Upgrade (6026320 / Existing)	76,400	262,543	0	0	0	0	0	0	262,543
10 County Financial System Upgrade (6066700 / Existing)	1,020,148	2,663,315	0	0	0	0	0	0	2,663,315
11 Detention Center Door Automation Control System Replacement (6005218 / Existing)	392,890	1,865,000	0	0	0	0	0	0	1,865,000
12 EMS Station Relocation - Station 16 (6071903 / Existing)	12,769	462,000	0	0	0	0	0	0	462,000
13 ESCO: District Cooling Plant (6005219 / Existing)	8,593,719	9,163,113	0	0	0	0	0	0	9,163,113
14 Jail Management Software System (6005226 / Existing)	1,288,785	3,400,000	0	0	0	0	0	0	3,400,000
15 MCDF - Ameresco - AC Units Replacement at Stockade (6005214 / Existing)	57,219	60,230	0	0	0	0	0	0	60,230
16 MCDF - Ameresco - Air Handling Unit Replacement (6005217 / Existing)	2,365,297	2,519,824	0	0	0	0	0	0	2,519,824
17 MCDF - Ameresco - Chiller Plant Emergency Power (6005216 / Existing)	592,008	623,166	0	0	0	0	0	0	623,166
18 MCDF - Ameresco - Chiller Plant Retrofit and Modification (6005209 / Existing)	2,232,928	2,350,450	0	0	0	0	0	0	2,350,450

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

General Government	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
19 MCDF - Ameresco - Domestic Water Conservation (6005211 / Existing)	37,006	38,954	0	0	0	0	0	0	38,954
20 MCDF - Ameresco - HVAC Controls and EMS Cost (6005213 / Existing)	294,038	309,514	0	0	0	0	0	0	309,514
21 MCDF - Ameresco - Institutional Water Conservation Controls (6005212 / Existing)	1,226,375	1,378,188	0	0	0	0	0	0	1,378,188
22 MCDF - Ameresco - Outdoor Lighting (6005210 / Existing)	187,459	197,325	0	0	0	0	0	0	197,325
23 MCDF - Ameresco - Power Transformers Replacement (6005215 / Existing)	197,123	197,123	0	0	0	0	0	0	197,123
24 MCDF - Infrastructure Equipment Upgrades (6005227 / Existing)	51,231	2,160,000	0	0	0	0	0	0	2,160,000
25 Medical Examiner Office (6071902 / Existing)	35,443	1,238,175	0	0	0	0	0	0	1,238,175
26 P-25 Radio Project (6048105 / Existing)	840,782	15,000,000	0	0	0	0	0	0	15,000,000
27 P-25 Radio Replacements (GG01437 / Requested)	0	0	3,850,319	0	0	0	0	0	3,850,319
28 Replacement/Upgrade County Internet Infrastructure (6087001 / Existing)	159,652	250,000	0	0	0	0	0	0	250,000
29 Tax Collector Annex (6073300 / Existing)	1,794,784	3,275,000	0	0	0	0	0	0	3,275,000
30 Transit Facility - Administration Building (6083902 / Existing)	7,735,301	7,893,910	0	0	0	0	0	0	7,893,910
31 Transit Facility - Covered Bus Wash (6083904 / Existing)	1,252,041	1,254,791	0	0	0	0	0	0	1,254,791
32 Transit Facility - Covered Fuel Site (6083903 / Existing)	1,963,709	1,972,888	0	0	0	0	0	0	1,972,888
33 Transit Facility - FTA Ineligible Expenses (6083907 / Existing)	717,713	1,166,417	0	0	0	0	0	0	1,166,417
34 Transit Facility - Logistics Building (6083908 / Existing)	538,834	538,835	0	0	0	0	0	0	538,835
35 Transit Facility - Transit/Fleet Maintenance Building (6083901 / Existing)	4,262,267	4,287,813	0	0	0	0	0	0	4,287,813
36 Upgrade of County Core Network (6087003 / Existing)	330,000	600,000	0	0	0	0	0	0	600,000
37 VoIP Initiative (6085600 / Existing)	3,402,720	5,000,000	0	0	0	0	0	0	5,000,000
<b>General Government</b>	<b>43,374,769</b>	<b>74,293,260</b>	<b>3,850,319</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78,143,579</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6049808</b>	<b>911 Call Backup Center</b>
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Status: Existing Initial Year: 2016 District 2 Location: Judicial Center, Bradenton

**Comprehensive Plan Information** Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Renovate Hensley Wing of Judicial Center including drywall repair, fire alarms, security, restrooms, ceilings, flooring, painting, HVAC, electrical, doors, and signage.

**Project Map**



**Rationale**

The current 911 backup center is housed in the Public Works building and Public Works needs space for current operations.

**Funding Strategy**

General Revenues  
E911 Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/26/16	12/31/17	55,982	225,000	0	0	0	0	0	0	225,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	04/26/16	12/31/17	5,975	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>61,957</b>	<b>225,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>225,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	225,000
<b>Total Funding:</b>	<b>225,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6070210</b>	<b>Accela Software Project</b>
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Status: Existing Initial Year: 2015 Countywide Location: 1112 Manatee Ave. W., Bradenton

**Comprehensive Plan Information**

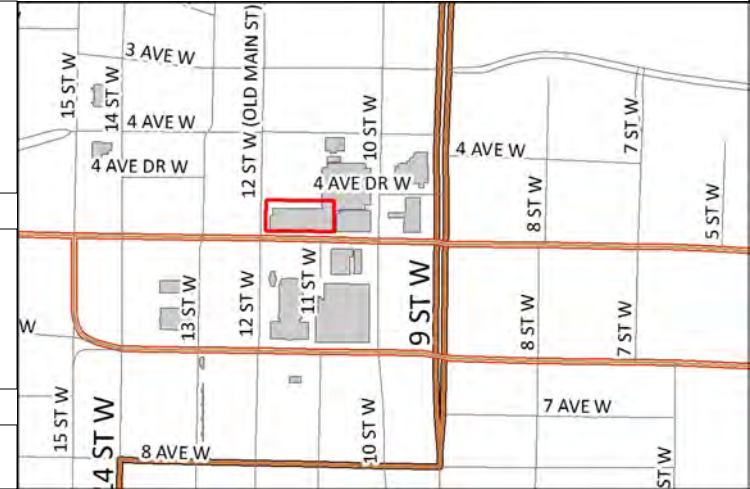
Project Mgr: **John Barnott**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Implementation of new software program to incorporate all Building and Development Services department divisions under one program. This will allow all permitting, planning, and code enforcement information to be shared between areas with information on permits, violations, land uses, and development plans to show on a parcel within the same screen.

**Project Map**



**Rationale**

Three different systems that do not interface are currently used to perform daily functions. Upgrading to one software system for all aspects of the department enable all divisions to work together, share information, and have access to the same information.

**Funding Strategy**

Building Fund

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	01/01/17	30,636	990,479	0	0	0	0	0	0	990,479
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	01/01/17	10,047	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>40,683</b>	<b>990,479</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>990,479</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	990,479
<b>Total Funding:</b>	<b>990,479</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6086700</b>	<b>BCC Video Security System</b>
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Status: Existing Initial Year: 2014 Countywide Location: 2101 47th Terrace E, Bradenton

**Comprehensive Plan Information** Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

This project will replace the approximately 50 DVR's presently deployed throughout the county with a central server system located at the PSC data center. New Omni-Cast video software will control this data. This system and software will be identical to the MSO video operating system.

**Project Map**



**Rationale**

Video data, if recorded, is required to be retained for a minimum of 30 days. Currently no one is confirming this on the remote DVR's. Staff will not be able to clip video remotely if the DVR system remains.

**Funding Strategy**

General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/14	06/30/15	47,551	250,000	0	0	0	0	0	0	250,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	173,420	194,000	0	0	0	0	0	0	194,000
Equipment:	10/01/13	12/31/16	62,051	14,244	0	0	0	0	0	0	14,244
Project Mgt.:	10/01/14	12/31/16	17,088	6,000	0	0	0	0	0	0	6,000
<b>Totals:</b>			<b>300,110</b>	<b>464,244</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>464,244</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	464,244
<b>Total Funding:</b>	<b>464,244</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6088500</b>	<b>Building &amp; Development Services Satellite Office - Ellenton</b>
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Status: Existing Initial Year: 2016 District 1 Location: 4940 US 301, Ellenton

**Comprehensive Plan Information**

Project Mgr: **John Barnott**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Satellite office for Building & Development Services, located in the Northeast section of the county. Building was formerly utilized by the Sheriff's Office, will need to be upgraded before staff can move in.

**Project Map**



**Rationale**

With the growth Manatee County has experienced in the last 10 years, there is a need for Building & Development services to expand services and have an office closer to major construction areas.

**Funding Strategy**

Building Fund

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	02/01/16	12/31/16	0	36,736	0	0	0	0	0	0	36,736
Land:			0	0	0	0	0	0	0	0	0
Construction:	02/01/16	12/31/16	20,417	296,000	0	0	0	0	0	0	296,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	02/01/16	12/31/16	23,400	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>43,817</b>	<b>332,736</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>332,736</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	332,736
<b>Total Funding:</b>	<b>332,736</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6083201</b>	<b>CAD Expansion</b>
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Status: Existing Initial Year: 2015 Countywide Location: 2101 47th Terrace East, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Robert Smith**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Provide new Computer Aided Dispatch (CAD) hardware and software to our secondary Public Safety Answering Points (PSAP's) and Holmes Beach Police Department that is compatible with the CAD system the county and Sheriff's Office are currently using. Secondary PSAP's include the City of Bradenton, City of Palmetto, Longboat Key and the Public Safety backup center.

**Project Map**



**Rationale**

Currently, transferring of 911 calls from PSAP to PSAP results in delays of dispatching to emergency responders and the level of service to the public can vary. Consolidating the 911 call taking process to Manatee County's primary PSAP will provide consistent levels of service to both incorporated and unincorporated portions of Manatee County, improve interoperability, and provide overall cost savings.

**Funding Strategy**

General Revenues  
911 Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/15	12/31/17	20,304	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/15	12/31/17	315,493	534,200	0	0	0	0	0	0	534,200
Equipment:	01/01/15	12/31/17	65,420	143,800	0	0	0	0	0	0	143,800
Project Mgt.:	01/01/15	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>401,217</b>	<b>678,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>678,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

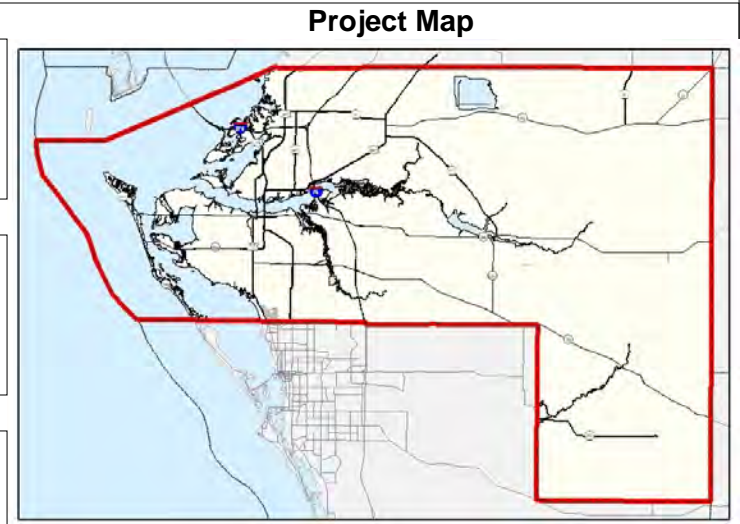
**Means of Financing**

Funding Sources	Amount
All Prior Funding	678,000
<b>Total Funding:</b>	<b>678,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6087000</b>	<b>Central Computer Storage Upgrade</b>
Status: Existing Initial Year: 2014 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Paul Alexander</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>
Replacement and upgrade of current computer core network system.
<b>Rationale</b>
Increase operation and efficiency of computer core network system.
<b>Funding Strategy</b>
General Revenues



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:			0	0	0	0	0	0	0	0	0
Equipment:	08/01/14	12/31/16	540,968	983,578	0	0	0	0	0	0	983,578
Project Mgt.:	03/03/14	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			540,968	983,578	0	0	0	0	0	0	983,578

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

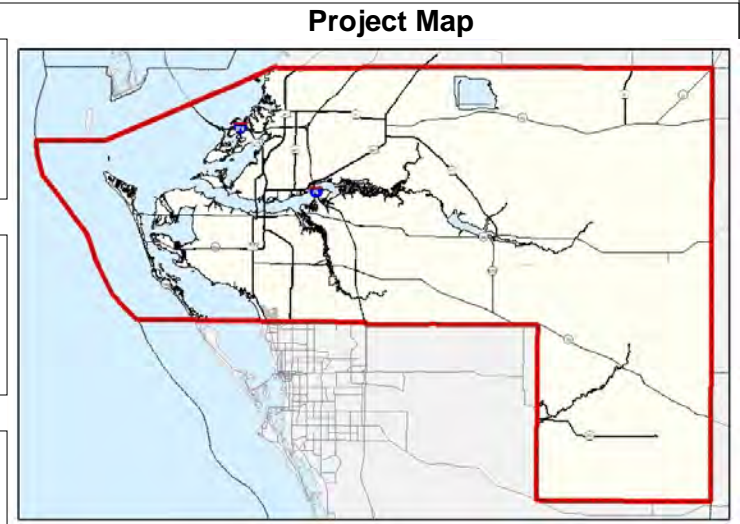
<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	983,578
<b>Total Funding:</b>	<b>983,578</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6053104</b>	<b>Central Library Renovation</b>
Status: Existing Initial Year: 2015 District 2 Location: 1301 Barcarrota Boulevard West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Renovate the Central Library to include cabling, wiring, duct cleaning, bathrooms, signage and fire alarm and sprinkler upgrades and maintenance. Replacement/renovations of study rooms, kitchen, conference rooms, book areas, auditorium flooring, youth areas and labs. Paint the interior and exterior of the building, and add WiFi capabilities throughout the library.



**Rationale**

Central Library renovations to upgrade the Central Library with WiFi connectivity, update wiring and fire alarms and sprinklers to code, and general updates to the interior and exterior of the Central Library to improve the patron's experience at the library.

**Funding Strategy**

General Revenues  
 Library Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	02/01/15	12/31/16	174,640	362,149	0	0	0	0	0	0	362,149
Equipment:	01/31/15	12/31/16	3,162	28,500	0	0	0	0	0	0	28,500
Project Mgt.:	02/01/15	12/31/16	149,575	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>327,376</b>	<b>390,649</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>390,649</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					All Prior Funding	390,649
Non-Personal:					Total Funding:	390,649
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6083202</b>	<b>Computer Aided Dispatch (CAD) Disaster Recovery System</b>
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Status: Existing Initial Year: 2016 Countywide Location: Public Safety Center, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Robert Smith**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Implement disaster recovery system for the Computer Aided Dispatch (CAD) project so that if something happens to the Public Safety Center there would be a backup system.

**Project Map**



**Rationale**

The CAD system, located at the Public Safety Center, includes software to enter and dispatch 911 calls. It also includes many interfaces including alerting systems, protocols for answering 911 calls, mobile software in ambulances, fire trucks and Sheriff vehicles. The backup system will be located in the Manatee County Administration Building.

**Funding Strategy**

General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/15	12/31/17	0	100,000	0	0	0	0	0	0	100,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	190,000	190,000	190,000	190,000
Operating Capital:				
Operating Total:	190,000	190,000	190,000	190,000
No. of Positions:	0	0	0	0

**Means of Financing**

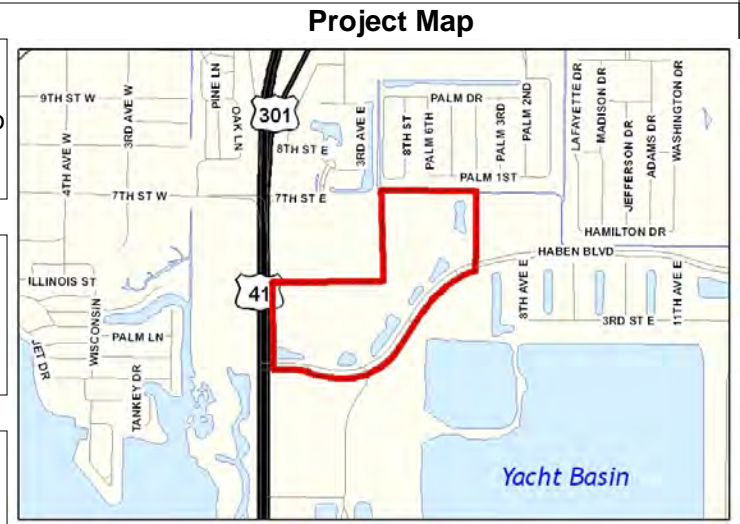
Funding Sources	Amount
All Prior Funding	100,000
<b>Total Funding:</b>	<b>100,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6026320</b>	<b>Convention Center Fiber/WiFi Upgrade</b>
Status: Existing Initial Year: 2016 District 1 Location: One Haben Boulevard, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Elliott Falcione</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Provide for direct connection to the county fiber network to the Bradenton Area Convention Center to provide expanded capabilities to the buildings internet access. Installation of fiber and conduit, and upgrade of WiFi access points throughout the building. The project will also expand capacity to current switching and routing equipment.



**Rationale**

Events being booked require better connectivity. The current system is unable to handle demand. Additionally, the Civic Center is a designated secondary site in the event of certain emergencies.

**Funding Strategy**

Civic Center Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	04/28/16	12/31/17	18,373	262,543	0	0	0	0	0	0	262,543
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/28/16	12/31/17	50,508	0	0	0	0	0	0	0	0
Equipment:			7,518	0	0	0	0	0	0	0	0
Project Mgt.:	04/28/16	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>76,400</b>	<b>262,543</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>262,543</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:						
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0	All Prior Funding	262,543
					Total Funding:	262,543

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6066700</b>	<b>County Financial System Upgrade</b>
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Status: Existing Initial Year: 2015 Countywide Location: Countywide

**Comprehensive Plan Information** Project Mgr: **Paul Alexander**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

<b>Scope</b>	<b>Project Map</b>
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Upgrade/replacement of current financial operating system. The current software application is used throughout the county by all departments and most constitutional offices (Clerk of Court, Property Appraiser and Sheriff). The upgraded application will process all financial transactions, including payroll, budgeting, fixed assets, purchasing, reporting, accounts payable, and billing/receivables.



**Rationale**

The current software system, IFAS, is no longer supported by the vendor. Updates, fixes and modifications are no longer available. Upgrading to a new system will enable better utilization of system technology and provide users with a more dependable software system with improved capabilities.

**Funding Strategy**

Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	02/01/17	124,278	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	12/31/17	779,369	2,663,315	0	0	0	0	0	0	2,663,315
Equipment:			82,500	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/17	34,002	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,020,148</b>	<b>2,663,315</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,663,315</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	125,000	125,000	0	0
Operating Capital:				
Operating Total:	125,000	125,000	0	0
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	2,663,315
<b>Total Funding:</b>	<b>2,663,315</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005218</b>	<b>Detention Center Door Automation Control System Replacement</b>
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Status: Existing Initial Year: 2014 District 1 Location: 14470 Harlee Road, Palmetto

**Comprehensive Plan Information**

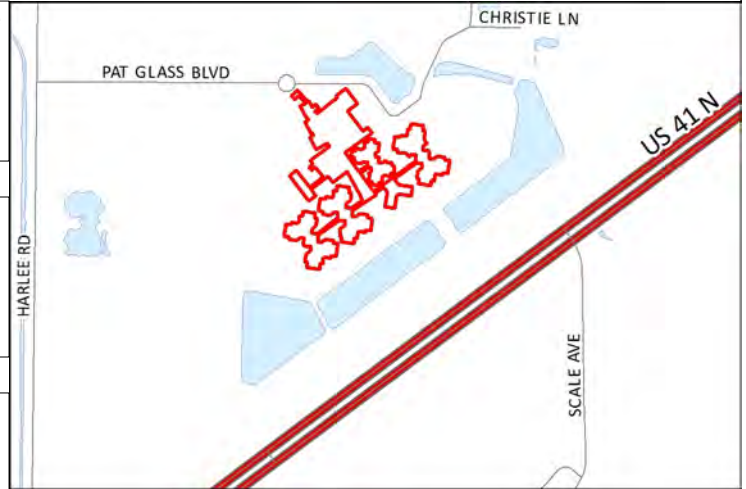
Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Replacement of the GEM 80 door locking and camera call up control system. Building-wide private networked locking and operational control software system. System operates doors and cameras throughout the jail complex.

**Project Map**



**Rationale**

This system was an original component installation in the main jail when it was constructed. It has since been expanded to the jail annex facility. As of June 2012, General Electric will no longer manufacture replacement parts and has declared the GEM 80 control system obsolete.

**Funding Strategy**

Debt Proceeds  
General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	05/01/14	10/31/14	94,200	400,000	0	0	0	0	0	0	400,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	09/30/16	160,220	1,453,000	0	0	0	0	0	0	1,453,000
Equipment:	04/01/14	09/30/16	137,895	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	575	12,000	0	0	0	0	0	0	12,000
<b>Totals:</b>			<b>392,890</b>	<b>1,865,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,865,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,865,000
<b>Total Funding:</b>	<b>1,865,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6071903</b>	<b>EMS Station Relocation - Station 16</b>
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Status: Existing Initial Year: 2016 District 2 Location: Manatee Memorial Hospital

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Deficiency**

**Scope**

Remodel second floor and a portion of the first floor of the Medical Examiner's proposed new site. Elevator, code compliant stairs and separate HVAC system will be included, as well as office spaces, dormitory, kitchen, living area, training room and restrooms.

**Project Map**



**Rationale**

Currently, EMS Station 16 is located in Manatee Memorial Hospital, and the station has been notified of the hospital's intention to demolish the current space. There is available space at the proposed new Medical Examiners Office, after renovations.

**Funding Strategy**

General Revenues  
Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	07/01/16	01/01/17	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/17	12,769	462,000	0	0	0	0	0	0	462,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	07/01/16	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			12,769	462,000	0	0	0	0	0	0	462,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	462,000
<b>Total Funding:</b>	<b>462,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005219</b>	<b>ESCO: District Cooling Plant</b>
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Status: Existing Initial Year: 2014 District 2 Location: 323 9th Street West, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

To provide a stand alone 1,000 ton water chiller plant in downtown Bradenton. Cooling towers will be located on the roof, and there will be an additional bay for a future 500 ton water cooled chiller.

**Project Map**



**Rationale**

A chiller generates chilled water used by many large buildings to provide air conditioning. A central chiller plant houses larger, efficient chillers and distributes chilled water to affected buildings through underground piping. This central chiller plant allows connected buildings to eliminate the need for individual chillers, decreases a significant amount of electrical loads on connected buildings, makes more space available, and offers more efficient operations.

**Funding Strategy**

Debt Proceeds  
General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	05/01/14	12/31/16	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/14	12/31/16	8,593,719	9,163,113	0	0	0	0	0	0	9,163,113
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	05/01/14	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>8,593,719</b>	<b>9,163,113</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,163,113</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	9,163,113
<b>Total Funding:</b>	<b>9,163,113</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005226</b>	<b>Jail Management Software System</b>
Status: Existing Initial Year: 2015 District 1 Location: Manatee County Detention Facility		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Salisbury</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

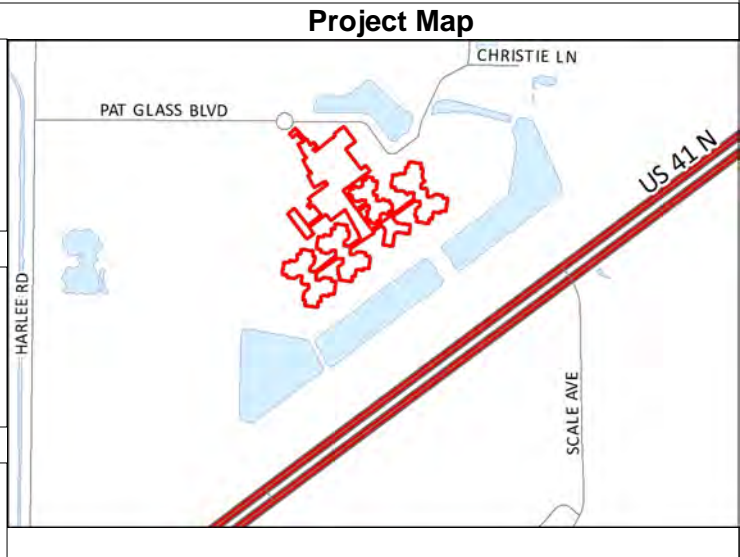
Replace aging jail management system with new system that provides an efficient way to track and report on all aspects of an inmate's confinement. The new software system will improve jail operations, inmate tracking and data collection by including tracking tools such as bar coding, mug shot integration, and the utilization of hand held devices for information recording and other observations, which will automatically download in to the databases.

**Rationale**

Increase efficiency by making critical information and data accessible across all public safety software. Powerful technology keeps information connected, corrections officers informed and inmates secure.

**Funding Strategy**

Debt Proceeds



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	12/31/16	1,288,785	3,400,000	0	0	0	0	0	0	3,400,000
Equipment:	10/01/14	12/31/16	0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,288,785</b>	<b>3,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,400,000</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					All Prior Funding	3,400,000
Non-Personal:					Total Funding:	3,400,000
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005214</b>	<b>MCDF - Ameresco - AC Units Replacement at Stockade</b>
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Status: Existing Initial Year: 2014 District 1 Location: Manatee County Detention Facility

**Comprehensive Plan Information**

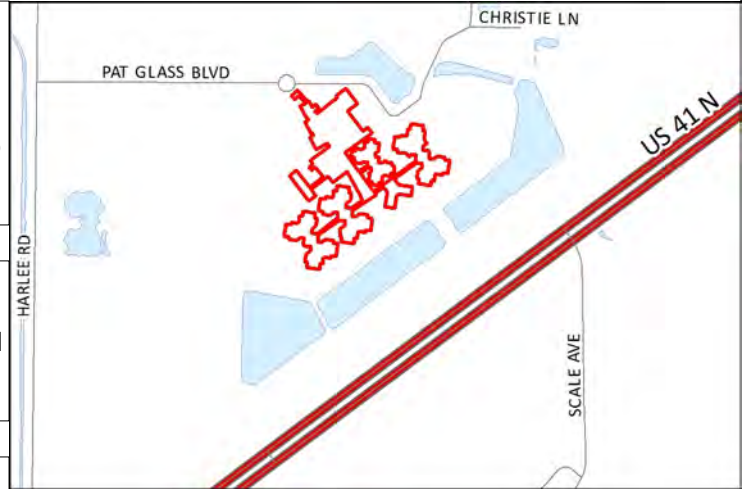
Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Ameresco proposes to conserve energy while maintaining acceptable levels of relative humidity conditions at the Manatee County Stockade Building A. The opportunities include replacing two 10 ton constant volume package rooftop units with variable speed compressor-variable air volume package rooftop units. Ameresco proposes to replace two aging 10 tons package units with new variable compressor-variable air volume rooftop package units. Ameresco proposes to replace two aging 10 ton package units with new variable compressor-variable air volume rooftop package units.

**Project Map**



**Rationale**

The proposed air conditioning system is extremely efficient at part load conditions, where the Stockade Building A load actually functionally operates. Additionally, the proposed system is very good at maintaining a very tight temperature and relative humidity control, as both, compressor and supply air fans adapt to the right amount of load capacity demanded by the space. The proposed unit model has an EER of 12.5 and SEER above 17.

**Funding Strategy**

General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	56,079	59,030	0	0	0	0	0	0	59,030
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	05/01/13	12/31/16	1,140	1,200	0	0	0	0	0	0	1,200
<b>Totals:</b>			<b>57,219</b>	<b>60,230</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,230</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	60,230
<b>Total Funding:</b>	<b>60,230</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005217</b>	<b>MCDF - Ameresco - Air Handling Unit Replacement</b>
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Status: Existing Initial Year: 2014 District 1 Location: Manatee County Detention Facility

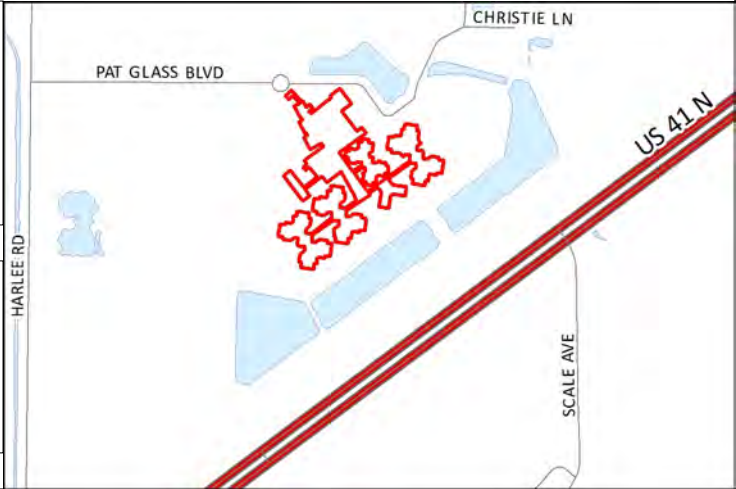
**Comprehensive Plan Information** Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Ameresco proposes to reduce energy and maintenance costs at the Manatee County Government Detention Facility by replacing 33 rooftop air handling units. Ameresco proposes to replace 33 rooftop air conditioning systems at the Manatee County Main Jail with equivalent new units, replace chilled water control valves and install new relative humidity and Carbon Dioxide (CO2) sensors. The new units will have 2 inch, double wall, 6 inch integral base frame and new curve adaptors. Additionally, the new air handling units will be provided with premium efficiency motors, with an estimated motor efficiency at 90%.

**Project Map**



**Rationale**

The new units will dramatically reduce equipment down time and repair costs for Manatee County, along with allowing maintenance personnel to be utilized for preventive, reactive, and scheduled repair and maintenance activities at the Jail. New chilled water control valves will provide better control of the chilled water loop and the conditioned space. Strategies to reset discharge air temperature and supply air blower reset will be implemented, resulting in energy consumption optimization and better relative humidity control of the conditioned space.

**Funding Strategy**

General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	2,318,363	2,469,824	0	0	0	0	0	0	2,469,824
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	46,934	50,000	0	0	0	0	0	0	50,000
<b>Totals:</b>			<b>2,365,297</b>	<b>2,519,824</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,519,824</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,519,824
<b>Total Funding:</b>	<b>2,519,824</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005216</b>	<b>MCDF - Ameresco - Chiller Plant Emergency Power</b>
Status: Existing Initial Year: 2014 District 1 Location: Manatee County Detention Facility		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
<p>Installation of an existing county-owned emergency power generator, providing all electrical connections and equipment required to operate the new 200 ton chiller on emergency power. Install an existing county-owned 500 kW emergency generator at the Manatee County Central Detention Facility. Provide new concrete block building or concrete pad for proper installation of generator. Provide and install all necessary connections including electrical and diesel fuel. Provide and install 500 kW Automatic Transfer Switch (ATS). Provide and install new motor control center to be connected to new transfer switch (all 480V equipment) 200 ton (150 kW chiller), Primary Chilled Water Pump (CHWP), Secondary CHWP on VFD, Condenser Water Pump (CWP), and Cooling Tower Fan on VFD. Provide and install all wiring and conduit from the generator area to the existing electrical panel serving loads described. Provide any electrical gear and/or devices needed for proper switching to/from emergency power for electrical loads described.</p>	
<b>Rationale</b>	
<p>Ameresco will provide all necessary electrical equipment to operate the smallest of the three chillers in order to provide partial cooling to the main Jail. Provide emergency power to selected portions of the chiller plant equipment.</p>	

**Funding Strategy**

General Revenues											
<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	580,323	610,866	0	0	0	0	0	0	610,866
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	11,685	12,300	0	0	0	0	0	0	12,300
<b>Totals:</b>			<b>592,008</b>	<b>623,166</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>623,166</b>


**Operating Budget Impacts**

	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	623,166
<b>Total Funding:</b>	<b>623,166</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005209</b>	<b>MCDF - Ameresco - Chiller Plant Retrofit and Modification</b>
Status: Existing Initial Year: 2014 District 1 Location: Manatee County Detention Facility		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference: _____ Project Need: <b>Maintenance</b>

<b>Scope</b> Replace 3 existing chillers and cooling towers with higher efficiency units, and perform significant piping modifications at the MCG Detention Facility.	<b>Project Map</b> 
<b>Rationale</b> Reduce the chiller plant bypass and install an automatic control valve to avoid over pumping through the primary loop, thereby minimizing the energy used by the primary chilled water pumps. Additional pressure ports will be added at two points on the chilled water secondary loop (at rooms J-210 and G1-210), in order to relocate the secondary loop differential pressure control away from the secondary pumps. These new port locations will be advantageous for sensing the actual need for chilled water. A main header will be installed outside of the mechanical room, such that any chiller will be able to operate with any other cooling tower. Installation of a temporary chiller connection outside of the chiller mechanical room will facilitate quick connection of mechanical piping and electrical service.	
<b>Funding Strategy</b> General Revenues	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	1,220,723	1,105,450	0	0	0	0	0	0	1,105,450
Equipment:			969,455	1,200,000	0	0	0	0	0	0	1,200,000
Project Mgt.:	10/01/13	12/31/16	42,750	45,000	0	0	0	0	0	0	45,000
<b>Totals:</b>			<b>2,232,928</b>	<b>2,350,450</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,350,450</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Funding Sources</b>	<b>Amount</b>
Personal:					All Prior Funding	2,350,450
Non-Personal:					<b>Total Funding:</b>	<b>2,350,450</b>
Operating Capital: _____						
Operating Total:						
No. of Positions:	0	0	0	0		



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005211</b>	<b>MCDF - Ameresco - Domestic Water Conservation</b>
Status: Existing Initial Year: 2014 District 1 Location: Manatee County Detention Facility		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Ameresco proposes to reduce domestic water consumption in the Manatee County Government Detention Center bathrooms by replacing standard flow toilet flush valves and retrofit urinals with lower flow flush valves. Replace mechanical steam traps and the existing commercial type water fixtures with new water-saving fixtures, where applicable.	
<b>Rationale</b>	
The county has many old non-energy efficient fixtures, and it is in our best interest to replace with new energy-efficient devices in order to realize the maximum cost savings while minimizing our environmental impact.	
<b>Funding Strategy</b>	
General Revenues	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	36,246	38,154	0	0	0	0	0	0	38,154
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	760	800	0	0	0	0	0	0	800
<b>Totals:</b>			<b>37,006</b>	<b>38,954</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38,954</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Funding Sources</b>	<b>Amount</b>
Personal:					All Prior Funding	38,954
Non-Personal:					Total Funding:	38,954
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005213</b>	<b>MCDF - Ameresco - HVAC Controls and EMS Cost</b>
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Status: Existing Initial Year: 2014 District 1 Location: Manatee County Detention Facility

**Comprehensive Plan Information** Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

<b>Scope</b>	<b>Project Map</b>
<p>Add control points and changing sequences of operation of the existing air conditioning control system. Upgrading the existing controls system for the chiller plant from a constant volume primary-variable volume secondary to a variable volume primary-secondary configuration. Replace the cooling tower motor control to variable speed, providing isolation valves for the chillers and cooling towers to function in a parallel configuration. Retrofit selected air handling units and add variable frequency drives to allow for better control of the humidity and quality of indoor environment. Exhaust fans will be controlled to allow individual air handling units to be turned off during unoccupied hours.</p>	
<b>Rationale</b>	
<p>The county has many old non-energy efficient fixtures, and it is in our best interest to replace with new energy-efficient devices to realize the maximum cost savings while minimizing our environmental impact.</p>	
<b>Funding Strategy</b>	
General Revenues	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	288,338	303,514	0	0	0	0	0	0	303,514
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	5,700	6,000	0	0	0	0	0	0	6,000
<b>Totals:</b>			<b>294,038</b>	<b>309,514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>309,514</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	309,514
<b>Total Funding:</b>	<b>309,514</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005212</b>	<b>MCDF - Ameresco - Institutional Water Conservation Controls</b>
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Status: Existing Initial Year: 2014 District 1 Location: Manatee County Detention Facility

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Install automatic water conservation controls. Retrofit toilets with low flow flush valves and modify lavatory faucets with low flow aerators. Replace existing showerheads with low flow shower heads. Install an Intelligence Conservation Systems (I-CON) control system to monitor and control the duration, flow and frequency of use of water-consuming fixtures. By activating or deactivating showers, lavatories and toilets with electronic devices the plumbing fixtures can be controlled by the facility staff.

**Rationale**

The county has many old non-energy efficient fixtures, and it is in our best interest to replace with new energy-efficient devices in order to realize the maximum cost savings while minimizing our environmental impact. I-CON plumbing control products provide greater control of the plumbing fixtures to those correctional officers operating the facility and less control to the inmates by replacing existing standard plumbing components with externally controllable components.

**Funding Strategy**

General Revenues

**Project Map**



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	1,202,967	1,352,188	0	0	0	0	0	0	1,352,188
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	23,408	26,000	0	0	0	0	0	0	26,000
<b>Totals:</b>			<b>1,226,375</b>	<b>1,378,188</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,378,188</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,378,188
<b>Total Funding:</b>	<b>1,378,188</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005210</b>	<b>MCDF - Ameresco - Outdoor Lighting</b>
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Status: Existing Initial Year: 2014 District 1 Location: Manatee County Detention Facility

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Comprehensive upgrade of the existing outdoor lighting systems at the Detention Center and Stockade facilities. Replace/retrofit existing fixtures with high efficiency new T5 fluorescent fixtures, LED fixtures or ceramic metal halides with high frequency ballasts (excludes interior lighting system already updated). Upgrades will comply with Illuminating Engineering Society of North America Lighting (IESNA) standards.

**Project Map**



**Rationale**

The county has many old non-energy efficient fixtures, and it is in our best interest to replace with new energy-efficient devices in order to realize the maximum cost savings while minimizing our environmental impact. The LED color rendition index is superior to the existing technology. Overall, the new LED fixtures will provide better illumination and improved safety. The ceramic metal halide technology has a much higher color rendition index, which means a much better quality of light. The ceramic metal halide lamps with high-frequency ballasts will provide an increase in lumen maintenance (a less steep/flatter depreciation curve) compared to the traditional Probe Start Metal Halide technology, which means the light levels will remain higher for a longer period of time.

**Funding Strategy**

General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	183,754	193,425	0	0	0	0	0	0	193,425
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	3,705	3,900	0	0	0	0	0	0	3,900
<b>Totals:</b>			<b>187,459</b>	<b>197,325</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>197,325</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	197,325
<b>Total Funding:</b>	<b>197,325</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005215</b>	<b>MCDF - Ameresco - Power Transformers Replacement</b>
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Status: Existing Initial Year: 2014 District 1 Location: Manatee County Detention Facility

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Replace several existing step-down transformers with new energy-efficient transformers that step-down (transform) 480 volt power to 208Y/120 volt power.

**Rationale**

The county has many old non-energy efficient fixtures which should be replaced with new energy-efficient devices to realize the maximum cost savings while minimizing environmental impact. The Powersmiths E-SAVER model C3L transformers proposed for this energy conservation measure are designed to increase efficiency of the electricity transformation. They have been independently validated at Oak Ridge National Lab, a US Department of Energy test facility, to run at 98% efficiency under a single-phase nonlinear load profile, which is a dramatic improvement over traditional transformers. The new transformers reduce losses by 55% to 85%, and are more efficient than existing transformers. They are designed using advanced CAD (Computer Aided Design) software that permits tuning of the transformers for best performance. They utilize Nomex based insulation with epoxy copolymer for better adhesion, longer life, and more long term insulation value.

**Project Map**



**Funding Strategy**

General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	193,123	193,123	0	0	0	0	0	0	193,123
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	4,000	4,000	0	0	0	0	0	0	4,000
<b>Totals:</b>			<b>197,123</b>	<b>197,123</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>197,123</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	197,123
<b>Total Funding:</b>	<b>197,123</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6005227</b>	<b>MCDF - Infrastructure Equipment Upgrades</b>
Status: Existing Initial Year: 2015 District 1 Location: Manatee County Detention Facility		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Construction of 12,000 sf metal storage building to house freezer storage and dry good storage at the Manatee County Detention Facility. Includes freezers, dry storage, and office.	
<b>Rationale</b>	
The MSO has identified this facility as necessary to replace leased freezer trucks to accommodate food storage needs for the facility.	
<b>Funding Strategy</b>	
General Revenues	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	12/31/16	45,871	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	12/31/16	3,034	2,160,000	0	0	0	0	0	0	2,160,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/16	2,325	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>51,231</b>	<b>2,160,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,160,000</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:	5,000	5,000	5,000	0	All Prior Funding	2,160,000
Operating Capital:					Total Funding:	2,160,000
Operating Total:	5,000	5,000	5,000	0		
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6071902</b>	<b>Medical Examiner Office</b>
Status: Existing Initial Year: 2016 Countywide Location: 202 East 6th Avenue, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Deficiency</b>

**Scope**

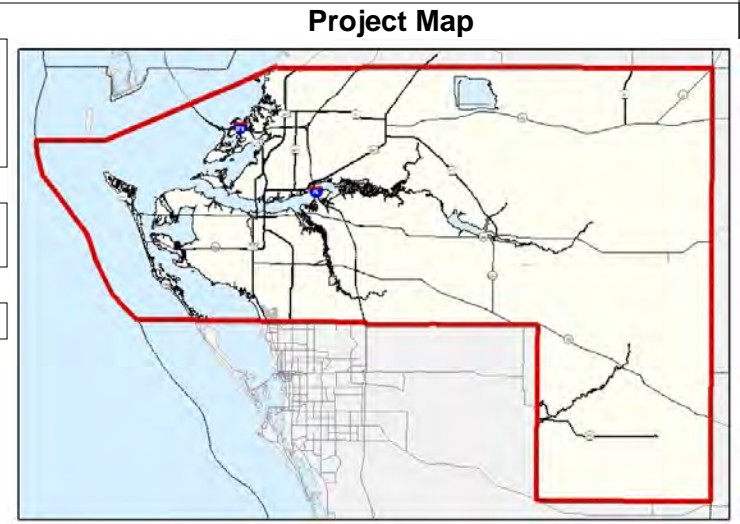
Demolish a portion of the current Natural Resources building and construct new Medical Examiner office to include an intake area, coolers, autopsy room, viewing room, locker room and shower, offices, and storage. The HVAC system for the entire building will be replaced with a contained HVAC system, electrical room and fire suppression.

**Rationale**

The current Medical Examiner's Office is too small for current needs, and is outdated and not sufficient to meet the increased demand for services.

**Funding Strategy**

General Revenues



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	07/01/16	01/01/17	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/17	33,793	1,238,175	0	0	0	0	0	0	1,238,175
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	07/01/16	12/31/17	1,650	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>35,443</b>	<b>1,238,175</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,238,175</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,238,175
<b>Total Funding:</b>	<b>1,238,175</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6048105</b>	<b>P-25 Radio Project</b>
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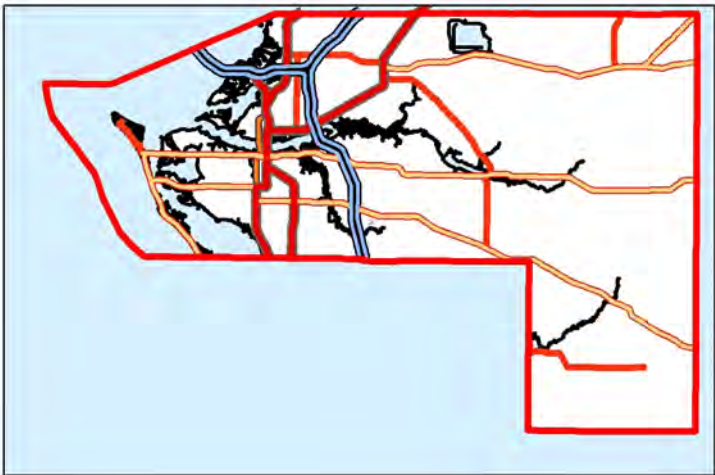
Status: Existing Initial Year: 2015 Countywide Location: Countywide

**Comprehensive Plan Information** Project Mgr: **Paul Alexander**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

<b>Scope</b>	<b>Project Map</b>
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Replace current emergency radio system, including radio towers and equipment to support radio communications for Public Safety, Public Works, Utilities, Manatee County Sheriff's Office, Fire Departments, Port Manatee, and other municipal and emergency related agencies.



**Rationale**

Current radio technology and regulation by the FCC has made much of the existing system obsolete with most of the current equipment not able to operate in the new environment. This is a joint venture with Sarasota County to create a system with current technology with improved service provision throughout the two counties.

**Funding Strategy**

Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	09/30/19	787,967	1,671,000	0	0	0	0	0	0	1,671,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	09/30/19	52,815	5,373,000	0	0	0	0	0	0	5,373,000
Equipment:	10/01/14	09/30/19	0	7,956,000	0	0	0	0	0	0	7,956,000
Project Mgt.:	10/01/14	09/30/19	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>840,782</b>	<b>15,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,000,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	15,000,000
<b>Total Funding:</b>	<b>15,000,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>GG01437</b>	<b>P-25 Radio Replacements</b>
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Status: Requested Initial Year: 2017 Countywide Location: Countywide

**Comprehensive Plan Information**

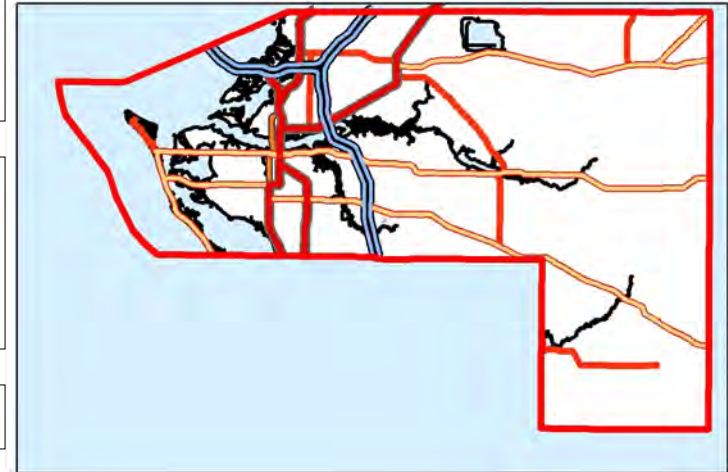
Project Mgr: **Paul Alexander**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Purchase approximately 2,300 radios for the BCC and MSO, for use with the P-25 Radio Project. The new radios will be fully capable of utilizing all capabilities of the P-25 Radio System. This project will not provide radios for other users - each entity will be responsible for the purchase of their own radios.

**Project Map**



**Rationale**

Manatee and Sarasota Counties have partnered under an Interlocal Agreement for the implementation of a Regional P25 Public Safety Radio System. Specific to Manatee County, this system will be used by a wide variety of governmental entities including Law Enforcement, Emergency Medical Services, Fire Departments, BOCC Agencies, and Port Manatee. Currently, approximately 70% of the radios in use are at end-of-life; some will support the P25 standards, some require an upgrade, and some won't support the standards at all.

**Funding Strategy**

Debt Proceeds  
Radio Fund Program Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:			0	0	0	0	0	0	0	0	0
Equipment:	10/01/16	12/31/18	0	0	3,850,319	0	0	0	0	0	3,850,319
Project Mgt.:	10/01/16	12/31/18	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	3,850,319	0	0	0	0	0	3,850,319

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

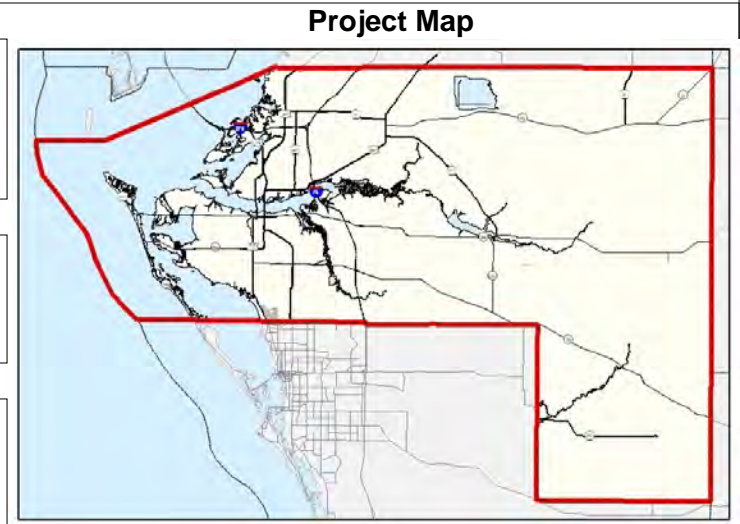
**Means of Financing**

Funding Sources	Amount
Debt Proceeds	3,005,484
Program/ General Revenue	844,835
<b>Total Funding:</b>	<b>3,850,319</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6087001</b>	<b>Replacement/Upgrade County Internet Infrastructure</b>
Status: Existing Initial Year: 2014 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Paul Alexander</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>
Replacement of aging and obsolete internet infrastructure of the county, including hardware and software.
<b>Rationale</b>
Increase internet efficiency and capability.
<b>Funding Strategy</b>
General Revenues



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	06/01/14	12/31/16	11,606	0	0	0	0	0	0	0	0
Equipment:	06/01/14	12/31/16	148,045	250,000	0	0	0	0	0	0	250,000
Project Mgt.:	03/03/14	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>159,652</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>250,000</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	Funding Sources	Amount
Personal:					All Prior Funding	250,000
Non-Personal:					Total Funding:	250,000
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

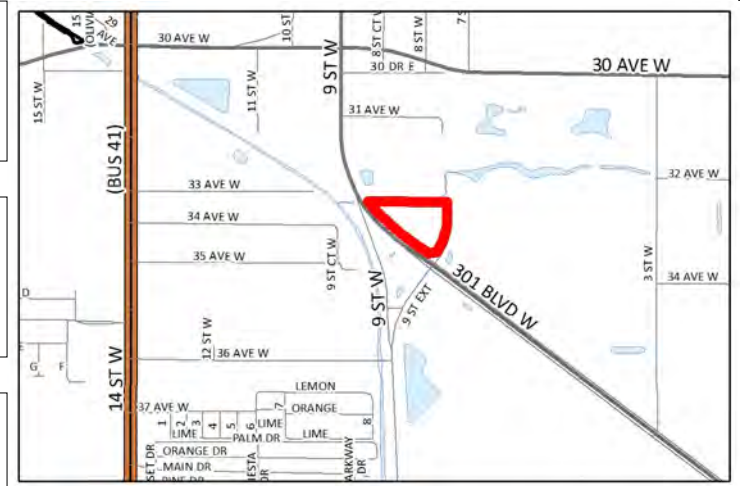
**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6073300</b>	<b>Tax Collector Annex</b>
Status: Existing Initial Year: 2015 District 2 Location: 904 W 301 Blvd. E., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Purchase property located at 904 W 301 Blvd., Bradenton. This property was formerly an ABC liquor store. Construct building for Tax Collector Annex.

**Project Map**



**Rationale**

The Tax Collector requires additional space due to increasing requirements for service offerings such as driver's license operations.

**Funding Strategy**

Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	04/01/15	09/30/15	193,435	100,000	0	0	0	0	0	0	100,000
Land:	10/01/14	09/30/15	178,096	0	0	0	0	0	0	0	0
Construction:	10/01/15	12/31/16	1,406,428	3,175,000	0	0	0	0	0	0	3,175,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/16	16,825	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,794,784</b>	<b>3,275,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,275,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	3,275,000
<b>Total Funding:</b>	<b>3,275,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6083902</b>	<b>Transit Facility - Administration Building</b>
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Status: Existing Initial Year: 2012 District 4 Location: 2411 Tallevast Road, Bradenton

**Comprehensive Plan Information**

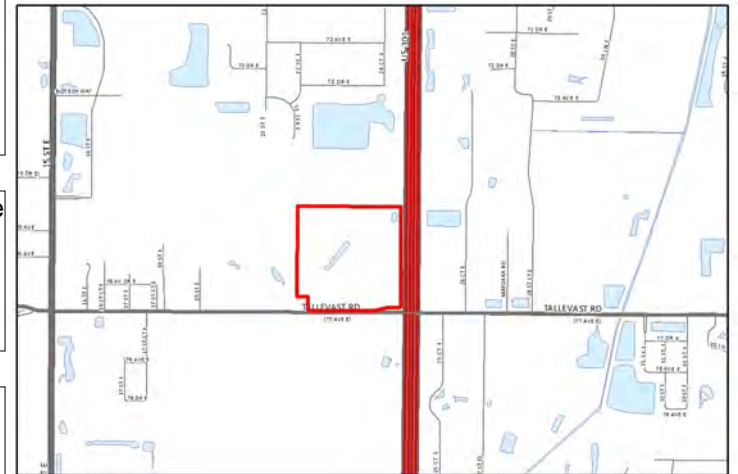
Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

A new 12,000 square foot pre-engineered metal building with a wall cladding of masonry and metal wall panels, a metal roof, administrative / operations offices, dispatch area, fare recovery space, training and support areas, restrooms, showers and break room amenities.

**Project Map**



**Rationale**

Provide safe, efficient work area for administration, operations, and dispatch personnel, and provide sufficient training and break areas. Provide secure area for fare recovery operations to increase speed and efficiency of operations.

**Funding Strategy**

Federal Transit Administration Grant

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/14	09/01/14	138,016	138,016	0	0	0	0	0	0	138,016
Land:			0	0	0	0	0	0	0	0	0
Construction:	12/01/14	10/31/16	7,520,414	7,600,393	0	0	0	0	0	0	7,600,393
Equipment:	12/01/14	08/01/16	0	97,180	0	0	0	0	0	0	97,180
Project Mgt.:	08/17/12	10/31/16	76,871	58,321	0	0	0	0	0	0	58,321
<b>Totals:</b>			<b>7,735,301</b>	<b>7,893,910</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,893,910</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	7,893,910
<b>Total Funding:</b>	<b>7,893,910</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6083904</b>	<b>Transit Facility - Covered Bus Wash</b>
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Status: Existing Initial Year: 2012 District 4 Location: 2411 Tallevast Road, Bradenton

**Comprehensive Plan Information**

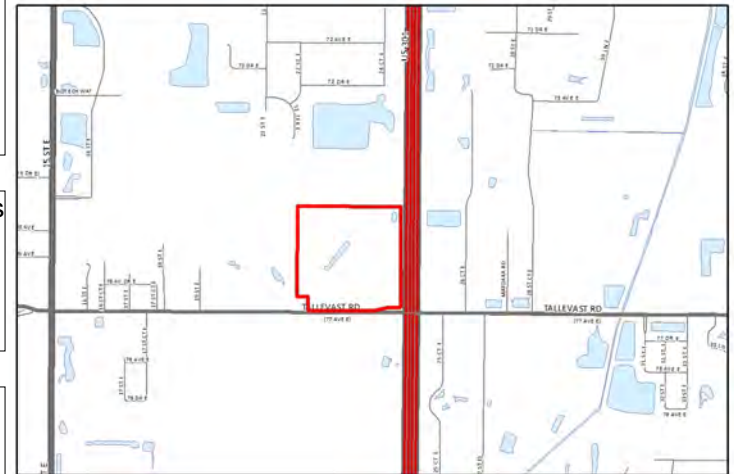
Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construct an 1,800 square foot bus wash with a two lane staging area with cleaning equipment, a spare parts room and storage areas for supplies.

**Project Map**



**Rationale**

Provide enhanced covered bus wash area to increase speed and efficiency of bus wash capabilities and provide storage and parts areas closer to the bus wash to facilitate location of needed items.

**Funding Strategy**

Federal Transit Administration Grant

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/14	09/01/14	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	12/01/14	10/31/16	1,252,041	1,213,716	0	0	0	0	0	0	1,213,716
Equipment:			0	41,075	0	0	0	0	0	0	41,075
Project Mgt.:	08/17/12	10/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,252,041</b>	<b>1,254,791</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,254,791</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,254,791
<b>Total Funding:</b>	<b>1,254,791</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6083903</b>	<b>Transit Facility - Covered Fuel Site</b>
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Status: Existing Initial Year: 2012 District 4 Location: 2411 Tallevast Road, Bradenton

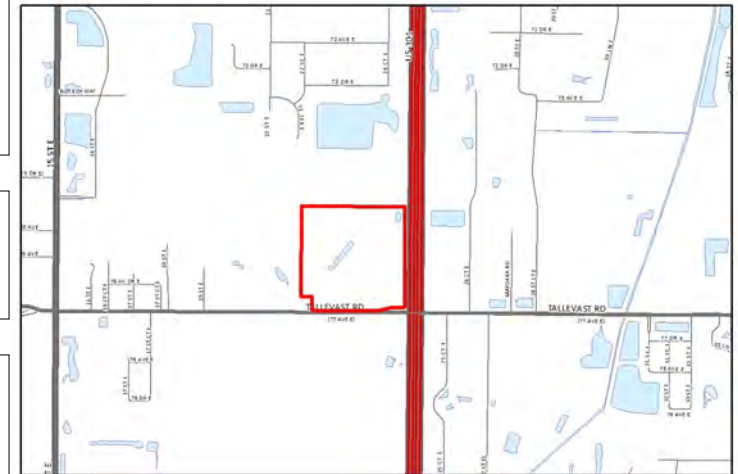
**Comprehensive Plan Information** Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Fuel site will be two covered fuel islands, 75 ft long with two fuel pumps each. A third fuel island with two pumps will also be 75 ft long for compressed natural gas (CNG) and liquified natural gas (LNG) fuels. A fourth island will be 50 ft long with one diesel and two gas pumps.

**Project Map**



**Rationale**

Provide covered fueling site to facilitate fueling of larger and smaller units, and provide increased capability for refueling of compressed and liquified natural gas, diesel and gasoline fuels.

**Funding Strategy**

Federal Transit Administration Grant

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/14	09/01/14	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	12/01/14	10/31/16	1,963,709	1,876,559	0	0	0	0	0	0	1,876,559
Equipment:	12/01/14	10/31/16	0	96,329	0	0	0	0	0	0	96,329
Project Mgt.:	08/17/12	10/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,963,709</b>	<b>1,972,888</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,972,888</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,972,888
<b>Total Funding:</b>	<b>1,972,888</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6083907</b>	<b>Transit Facility - FTA Ineligible Expenses</b>
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Status: Existing Initial Year: 2015 District 4 Location: 2411 Tallevast Road, Bradenton

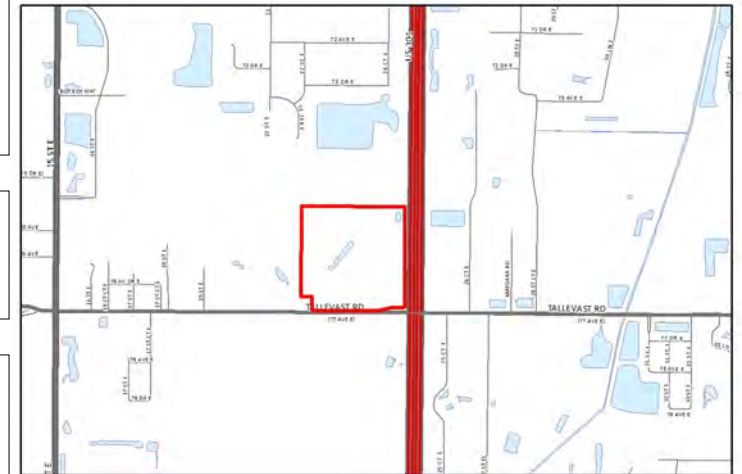
**Comprehensive Plan Information** Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

The new Transit/Fleet Facility project received FTA grant funding. The project budget projection exceeded the amount of the grant, and not all materials and services qualify for FTA grant reimbursement.

**Project Map**



**Rationale**

Cover construction costs that exceed FTA grant funding and also cover material and service costs not eligible for FTA grant reimbursement.

**Funding Strategy**

General Revenues - Fleet

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	08/17/12	08/01/16	48,027	72,000	0	0	0	0	0	0	72,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/17/12	10/31/16	642,466	1,044,417	0	0	0	0	0	0	1,044,417
Equipment:	08/17/12	10/31/16	27,220	50,000	0	0	0	0	0	0	50,000
Project Mgt.:	08/17/12	10/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>717,713</b>	<b>1,166,417</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,166,417</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,166,417
<b>Total Funding:</b>	<b>1,166,417</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6083908</b>	<b>Transit Facility - Logistics Building</b>
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Status: Existing Initial Year: 2015 District 4 Location: 2411 Tallevast Road, Bradenton

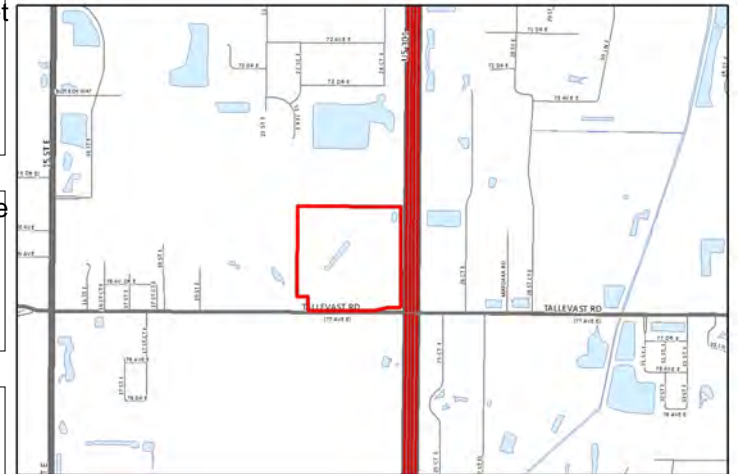
**Comprehensive Plan Information** Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construct 2,485 sf building for storage of various transit equipment and supplies on the Transit/Fleet Administration site.

**Project Map**



**Rationale**

Placement and construction of the logistics building at the new Transit/Fleet Facility site will promote efficiency and reduction of operational expenses.

**Funding Strategy**

General Revenues - Fleet

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	08/17/12	08/01/16	78,164	150,000	0	0	0	0	0	0	150,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/17/12	10/31/16	460,670	379,180	0	0	0	0	0	0	379,180
Equipment:	08/17/12	10/31/16	0	9,655	0	0	0	0	0	0	9,655
Project Mgt.:	08/17/12	10/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>538,834</b>	<b>538,835</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>538,835</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	538,835
<b>Total Funding:</b>	<b>538,835</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6083901</b>	<b>Transit Facility - Transit/Fleet Maintenance Building</b>
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Status: Existing Initial Year: 2013 District 4 Location: 2411 Tallevast Road, Bradenton

**Comprehensive Plan Information**

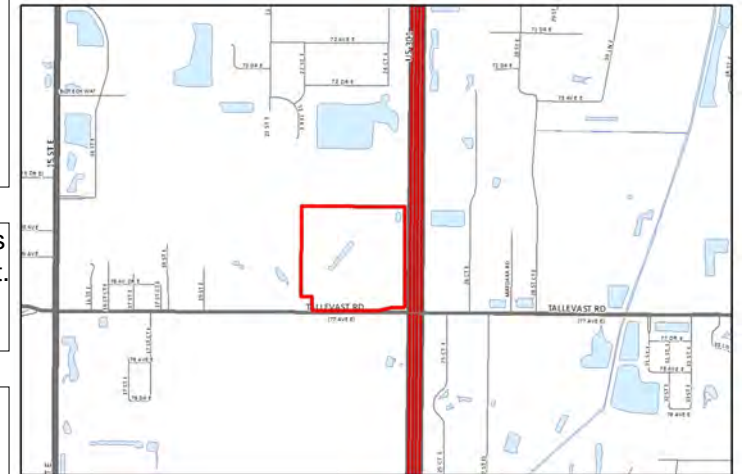
Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construct a 22,250 square foot pre-engineered metal building with a wall cladding of masonry and metal wall panels and a metal roof. Includes five pairs of maintenance bays, allowing for a width of two buses end to end in the bays with clearance on the perimeter and down the center for staff and support vehicles. Building will also include support space for parts, tire shop, lube room and an electronics shop.

**Project Map**



**Rationale**

As a part of the new Fleet/Transit facility, provide maintenance building to accommodate larger buses and other equipment, and to provide safer, more efficient work spaces in an enhanced environment.

**Funding Strategy**

Federal Transit Administration Grant

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/14	09/01/14	300,492	697,737	0	0	0	0	0	0	697,737
Land:			0	0	0	0	0	0	0	0	0
Construction:	12/01/14	10/31/16	3,961,775	3,470,076	0	0	0	0	0	0	3,470,076
Equipment:	12/01/14	10/31/16	0	120,000	0	0	0	0	0	0	120,000
Project Mgt.:	08/17/12	10/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>4,262,267</b>	<b>4,287,813</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,287,813</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

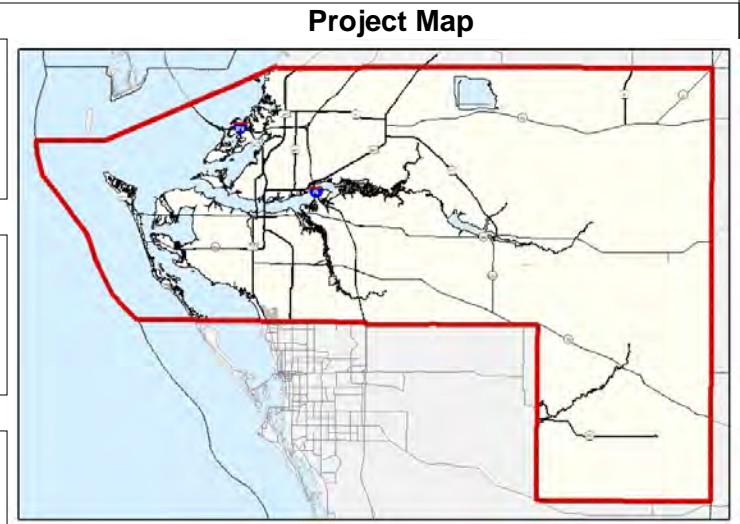
**Means of Financing**

Funding Sources	Amount
All Prior Funding	4,287,813
<b>Total Funding:</b>	<b>4,287,813</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6087003</b>	<b>Upgrade of County Core Network</b>
Status: Existing Initial Year: 2014 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Paul Alexander</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>
Replacement of aging and obsolete computer core network system.
<b>Rationale</b>
Increase efficiency of computer core network system.
<b>Funding Strategy</b>
General Revenues



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:			0	0	0	0	0	0	0	0	0
Equipment:	08/01/14	12/31/16	330,000	600,000	0	0	0	0	0	0	600,000
Project Mgt.:	03/03/14	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>330,000</b>	<b>600,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	600,000
<b>Total Funding:</b>	<b>600,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>General Government</b>	Project# <b>6085600</b>	<b>VoIP Initiative</b>
Status: Existing Initial Year: 2014 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Paul Alexander</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

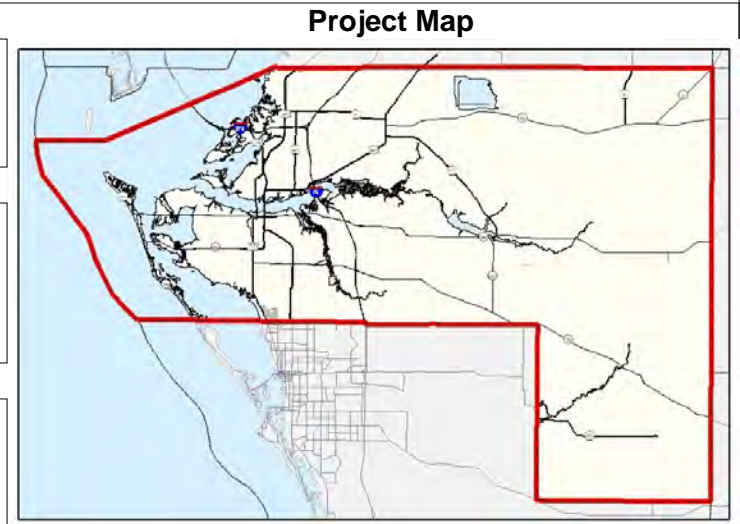
Replacement of existing county telecommunications equipment with new Voice over Internet Protocol (VoIP) technology.

**Rationale**

The Board of County Commissioners and supported agencies currently have 30 telephone systems, 10 voice mail auto attendants, 3 call center servers, and 3 recording servers and special application servers at various geographical locations. The systems are of various models and size with approximately 75% of the equipment being at end of life.

**Funding Strategy**

General Revenues



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/14	06/30/18	190,748	2,500,000	0	0	0	0	0	0	2,500,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/18	2,217,768	2,500,000	0	0	0	0	0	0	2,500,000
Equipment:	10/01/13	12/31/18	991,615	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/14	06/30/18	2,589	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>3,402,720</b>	<b>5,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	5,000,000
<b>Total Funding:</b>	<b>5,000,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Sources and Uses of Funds Plan Summary by Category**

**Parks & Natural Resources**

**Source of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
All Sources	25,278,833	47,856,197	0	0	0	0	0	0	47,856,197
Florida Boating Improvement Program	0	0	0	850,000	0	0	100,000	0	950,000
Grants	0	0	2,626,000	0	0	0	0	0	2,626,000
Impact Fees	0	0	0	1,005,000	4,000,000	0	575,000	0	5,580,000
West Coast Inland Navigational District	0	0	0	850,000	0	0	2,100,000	0	2,950,000
<b>Total Source of Funds</b>	<b>25,278,833</b>	<b>47,856,197</b>	<b>2,626,000</b>	<b>2,705,000</b>	<b>4,000,000</b>	<b>0</b>	<b>2,775,000</b>	<b>0</b>	<b>59,962,197</b>

**Use of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
Beaches/Waterways	16,069,374	25,712,938	0	0	0	0	0	0	25,712,938
Boat Ramps	852,085	2,912,573	0	1,700,000	0	0	2,200,000	0	6,812,573
Parks	1,459,200	3,882,774	150,000	500,000	4,000,000	0	575,000	0	9,107,774
Preserves	6,898,174	15,347,912	2,476,000	505,000	0	0	0	0	18,328,912
<b>Total Use of Funds</b>	<b>25,278,833</b>	<b>47,856,197</b>	<b>2,626,000</b>	<b>2,705,000</b>	<b>4,000,000</b>	<b>0</b>	<b>2,775,000</b>	<b>0</b>	<b>59,962,197</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Parks & Natural Resources	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Beaches/Waterways</b>									
1 Anna Maria Island Beach Nourishment (6003407 / Existing)	7,138,355	10,368,634	0	0	0	0	0	0	10,368,634
2 Beach: Central 2013 Renourishment (6003408 / Existing)	3,535,388	7,189,335	0	0	0	0	0	0	7,189,335
3 Coquina Beach - Landscaping (6005718 / Existing)	68,832	79,424	0	0	0	0	0	0	79,424
4 Coquina Beach - Playground (6005717 / Existing)	0	100,000	0	0	0	0	0	0	100,000
5 Erosion Control Groins (6029601 / Existing)	5,158,040	7,337,060	0	0	0	0	0	0	7,337,060
6 Larry Borden Artificial Reef (6081500 / Existing)	2,400	130,000	0	0	0	0	0	0	130,000
7 Port Dolphin Extraction (6003404 / Existing)	166,359	508,485	0	0	0	0	0	0	508,485
<b>Beaches/Waterways</b>	<b>16,069,374</b>	<b>25,712,938</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25,712,938</b>
<b>Boat Ramps</b>									
8 Coquina North Boat Ramp (Bayside) (6005714 / Existing)	171,718	1,676,000	0	0	0	0	0	0	1,676,000
9 Coquina South Boat Ramp (Bayside) (6005715 / Existing)	24,983	24,983	0	0	0	0	2,200,000	0	2,224,983
10 Ft. Hamer Park - Boat Ramp and Dock Improvements (6034610 / Existing)	38,445	513,000	0	0	0	0	0	0	513,000
11 Kingfish Boat Ramp (6071500 / Existing)	616,939	698,590	0	1,700,000	0	0	0	0	2,398,590
<b>Boat Ramps</b>	<b>852,085</b>	<b>2,912,573</b>	<b>0</b>	<b>1,700,000</b>	<b>0</b>	<b>0</b>	<b>2,200,000</b>	<b>0</b>	<b>6,812,573</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Parks & Natural Resources	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Parks</b>									
12 Ft. Hamer Park - Parking Lot Expansion (6034614 / Existing)	919,559	1,298,274	0	0	0	0	0	0	1,298,274
13 Hidden Harbor (Fort Hamer East of New Bridge) (6067406 / Existing)	44,278	1,300,000	0	0	0	0	0	0	1,300,000
14 Hidden Harbor Park - Wetland/Upland Maintenance (6067401 / Existing)	62,581	709,500	150,000	0	0	0	0	0	859,500
15 John H. Marble Pool Renovations Phase I (6031102 / Requested)	0	0	0	0	0	0	0	0	0
16 Lakewood Ranch Park Soccer Field Lighting (6039918 / Existing)	432,782	575,000	0	0	0	0	575,000	0	1,150,000
17 North County Pool (NR01440 / Requested)	0	0	0	500,000	4,000,000	0	0	0	4,500,000
<b>Parks</b>	<b>1,459,200</b>	<b>3,882,774</b>	<b>150,000</b>	<b>500,000</b>	<b>4,000,000</b>	<b>0</b>	<b>575,000</b>	<b>0</b>	<b>9,107,774</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

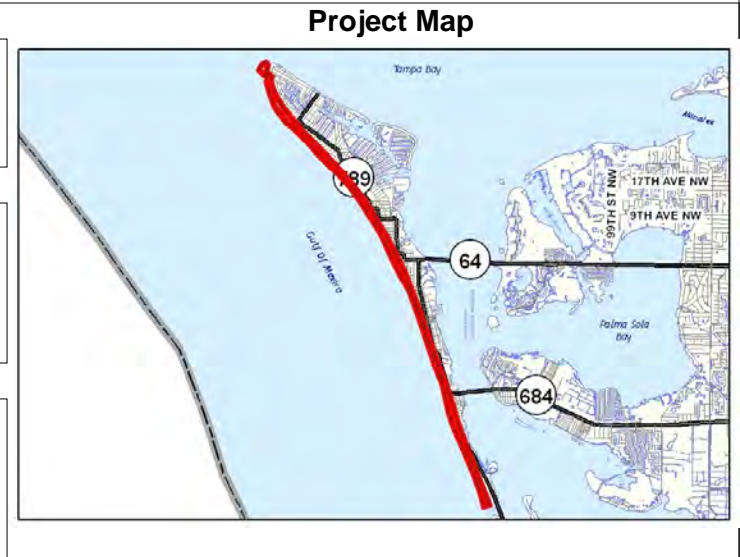
Parks & Natural Resources	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Preserves</b>									
18 Duette Preserve - Hydrologic Restoration (6006506 / Existing)	193,417	290,482	276,000	0	0	0	0	0	566,482
19 Duette Preserve - Wetland Mitigation (6006505 / Existing)	621,664	2,000,400	0	0	0	0	0	0	2,000,400
20 Moody Branch Preserve (6051201 / Existing)	18,971	100,000	0	0	0	0	0	0	100,000
21 Perico Preserve Seagrass Mitigation Area (6071302 / Existing)	1,749,060	1,821,436	0	0	0	0	0	0	1,821,436
22 Perico/Robinson Preserve Trail Connector (6071303 / Existing)	40,386	45,000	0	55,000	0	0	0	0	100,000
23 Robinson Oyster Bar - Creation (6085212 / Existing)	17,052	53,000	0	0	0	0	0	0	53,000
24 Robinson Preserve Expansion Amenities (6085200 / Existing)	301,043	314,781	0	0	0	0	0	0	314,781
25 Robinson Preserve Expansion Environmental Center (6085201 / Existing)	110,709	1,586,582	0	0	0	0	0	0	1,586,582
26 Robinson Preserve Expansion Kayak Launch & Storage Units (6085211 / Existing)	173,749	400,000	0	330,000	0	0	0	0	730,000
27 Robinson Preserve Expansion Multi-Surface Trails (6085209 / Existing)	635,742	2,123,440	0	120,000	0	0	0	0	2,243,440
28 Robinson Preserve Expansion Parking Lot (6085203 / Existing)	11,550	2,374,685	0	0	0	0	0	0	2,374,685
29 Robinson Preserve Expansion Restoration (6085208 / Existing)	3,008,379	3,892,208	2,200,000	0	0	0	0	0	6,092,208
30 Robinson Preserve Expansion Restrooms (6085202 / Existing)	16,452	345,898	0	0	0	0	0	0	345,898
<b>Preserves</b>	<b>6,898,174</b>	<b>15,347,912</b>	<b>2,476,000</b>	<b>505,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,328,912</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Anna Maria Island Beach Nourishment</b>
<b>Beaches/Waterways</b>	<b>6003407</b>	
Status: Existing Initial Year: 2012 District 3 Location: Anna Maria Island		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Charlie Hunsicker</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>
Beach renourishment of approximately 5.5 miles of beach on Anna Maria Island.
<b>Rationale</b>
Continuous nourishment and restoration of gulf coast beaches on Anna Maria Island is needed to protect public and private infrastructure, evacuation routes and tourism economy.
<b>Funding Strategy</b>
Federal Grant State Grant Tourist Development Funds



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/17/12	09/30/18	7,138,355	10,368,634	0	0	0	0	0	0	10,368,634
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/17/12	09/30/18	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>7,138,355</b>	<b>10,368,634</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,368,634</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Funding Sources</b>	<b>Amount</b>
Personal:					All Prior Funding	10,368,634
Non-Personal:					Total Funding:	10,368,634
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Beach: Central 2013 Renourishment</b>
<b>Beaches/Waterways</b>	<b>6003408</b>	

Status: Existing Initial Year: 2014 District 3 Location: Anna Maria Island

**Comprehensive Plan Information**

Project Mgr: **Charlie Hunsicker**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Beach nourishment on Anna Maria Island.

**Project Map**



**Rationale**

Continuous nourishment and restoration of gulf coast beaches on Anna Maria Island is necessary to protect public and private infrastructure, evacuation routes, and tourism economy.

**Funding Strategy**

Grants  
General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	06/27/13	12/31/16	278,247	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	06/27/13	12/31/16	3,257,141	7,189,335	0	0	0	0	0	0	7,189,335
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	06/27/13	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>3,535,388</b>	<b>7,189,335</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,189,335</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	7,189,335
<b>Total Funding:</b>	<b>7,189,335</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Coquina Beach - Landscaping</b>
<b>Beaches/Waterways</b>	<b>6005718</b>	

Status: Existing Initial Year: 2014 District 3 Location: 2650 Gulf Drive, Bradenton Beach

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Other Need**

**Scope**

Complete beautification at entrance and parking/bus/trolley area. Landscaping includes trees and shrubs as described in design.

**Project Map**



**Rationale**

The overall beautification of the Coquina Beach Park should be completed to draw tourists. It is the culmination of all the other park improvements and a necessary project element.

**Funding Strategy**

General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	03/31/14	22,501	5,000	0	0	0	0	0	0	5,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	46,331	74,424	0	0	0	0	0	0	74,424
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/10	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>68,832</b>	<b>79,424</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79,424</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	79,424
<b>Total Funding:</b>	<b>79,424</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Coquina Beach - Playground</b>
<b>Beaches/Waterways</b>	<b>6005717</b>	

Status: Existing Initial Year: 2014 District 3 Location: Coquina Beach

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Add a playground with swings, spring animals, climbers and benches.

**Project Map**



**Rationale**

Playgrounds are outdated and there is a large number of people using the beaches.

**Funding Strategy**

Parks Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	04/01/14	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/16	0	100,000	0	0	0	0	0	0	100,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	100,000	0	0	0	0	0	0	100,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	100,000
<b>Total Funding:</b>	<b>100,000</b>

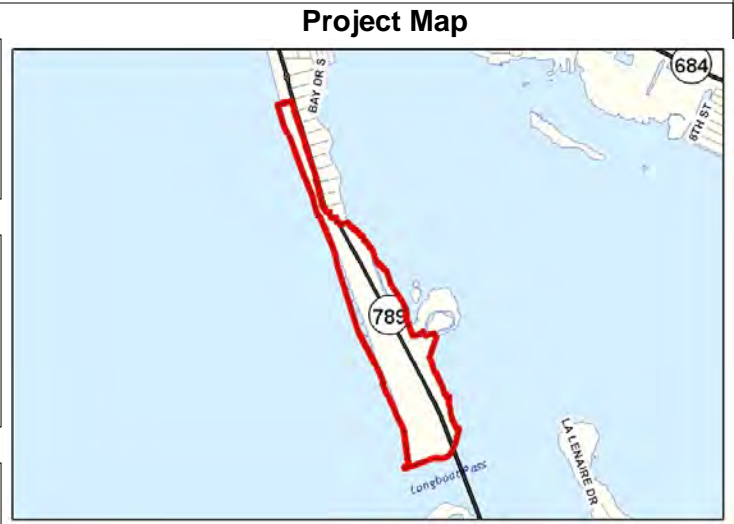


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Erosion Control Groins</b>
<b>Beaches/Waterways</b>	<b>6029601</b>	
Status: Existing Initial Year: 2011 District 2 Location: Anna Maria Island		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Charlie Hunsicker</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Repair three erosion control groins at Cortez Beach. Construct one ADA compliant dune walkover.



**Rationale**

The repair of three erosion control groins at Cortez Beach is required to maintain Gulf Drive and to prevent road damage during a storm event. Erosion control structures are eligible expenses for the dedicated Beach Tourist Development Tax.

**Funding Strategy**

Tourist Development Tax  
 Florida Department of Environmental Protection (FDEP)

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	12/31/17	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/17	5,158,040	7,337,060	0	0	0	0	0	0	7,337,060
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>5,158,040</b>	<b>7,337,060</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,337,060</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

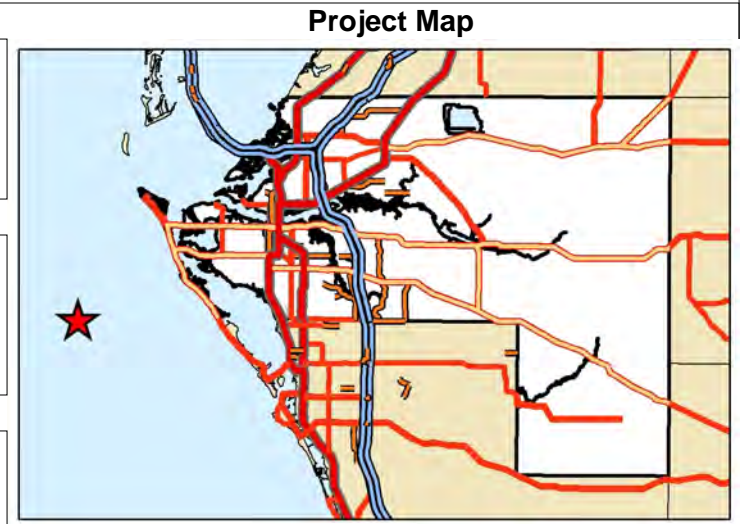
Funding Sources	Amount
All Prior Funding	7,337,060
<b>Total Funding:</b>	<b>7,337,060</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Larry Borden Artificial Reef</b>
<b>Beaches/Waterways</b>	<b>6081500</b>	
Status: Existing Initial Year: 2012 Countywide Location: Gulf of Mexico		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Charlie Hunsicker</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Other Need</b>

**Scope**

Transport and placement of suitable artificial reef materials within the permitted boundaries of the "Larry Borden" artificial reef site located 9 miles offshore of Manatee County in the Gulf of Mexico, contingent upon material donations.



**Rationale**

To increase and enhance recreational fishing and diving in addition to creating marine habitat.

**Funding Strategy**

Donations  
 General Revenues  
 Grants

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/11	12/31/19	2,400	130,000	0	0	0	0	0	0	130,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/11	12/31/19	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>2,400</b>	<b>130,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>130,000</b>

**Operating Budget Impacts**

	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	130,000
<b>Total Funding:</b>	<b>130,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Port Dolphin Extraction</b>
<b>Beaches/Waterways</b>	<b>6003404</b>	

Status: Existing Initial Year: 2012 District 3 Location: Anna Maria Island

**Comprehensive Plan Information**

Project Mgr: **Charlie Hunsicker**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Research, perform studies, surveys, and geotechnical investigations to determine beach compatible sand for Anna Maria Island along the proposed Port Dolphin pipeline corridor.

**Project Map**



**Rationale**

Construction of the offshore natural gas pipeline will preempt future beach compatible sand sources. Once the pipeline is constructed, there will be an 800 foot buffer in place where no sand extraction can occur.

**Funding Strategy**

Contribution - Port Dolphin

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	11/01/11	12/31/20	166,359	508,485	0	0	0	0	0	0	508,485
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/12	12/31/20	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>166,359</b>	<b>508,485</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>508,485</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	508,485
<b>Total Funding:</b>	<b>508,485</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Coquina North Boat Ramp (Bayside)</b>
<b>Boat Ramps</b>	<b>6005714</b>	
Status: Existing Initial Year: 2010 District 3 Location: Coquina Beach - Bayside at North End		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

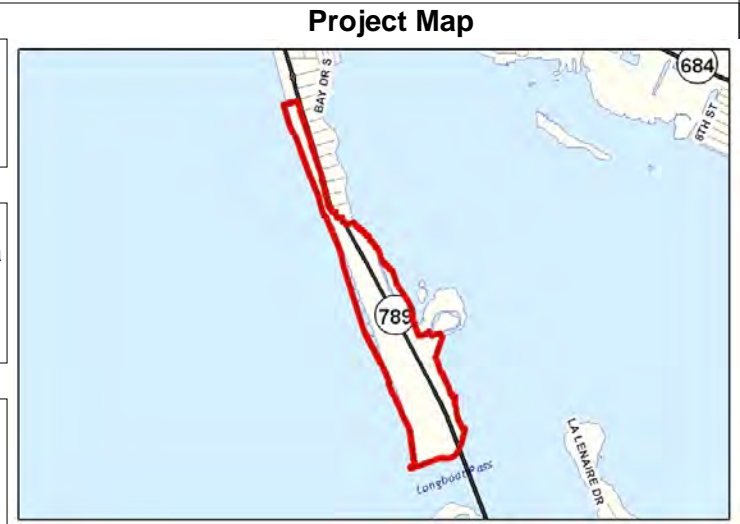
Reconfigure, expand and pave existing parking lot, replace seawall, ramp and docks, add launch lanes, perform maintenance dredging of the access channel, construct a pavilion restroom building, and install security lighting.

**Rationale**

Periodic renovations are necessary to keep dock facilities up to acceptable standards. Seawall replacement is necessary to prolong the life of the seawall system. Reconfiguration of parking area will increase ramp capacity and provide a safer, better-defined circulation for increased efficiency of this facility.

**Funding Strategy**

Florida Boating Improvement Program  
 West Coast Inland Navigation District grant



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	09/30/15	163,712	226,000	0	0	0	0	0	0	226,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	09/30/17	546	1,400,000	0	0	0	0	0	0	1,400,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/11	09/30/17	7,460	50,000	0	0	0	0	0	0	50,000
<b>Totals:</b>			<b>171,718</b>	<b>1,676,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,676,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

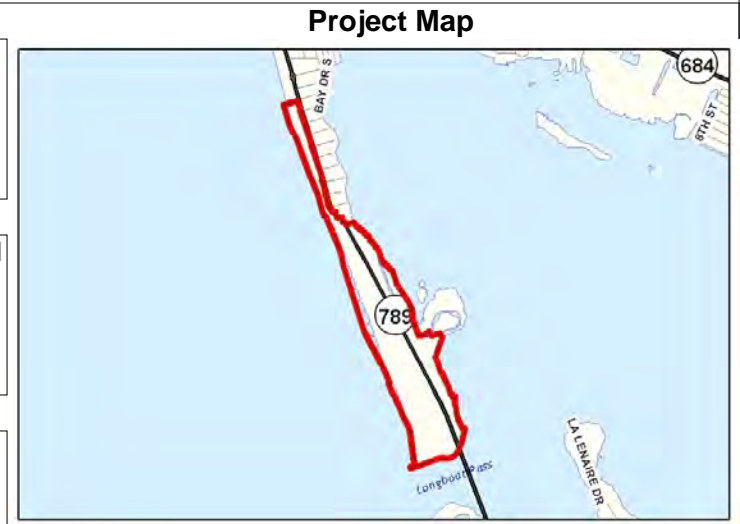
Funding Sources	Amount
All Prior Funding	1,676,000
<b>Total Funding:</b>	<b>1,676,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Coquina South Boat Ramp (Bayside)</b>
<b>Boat Ramps</b>	<b>6005715</b>	
Status: Existing Initial Year: 2010 District 3 Location: Bayside - South End Across From Coquina Beach		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Install sheet pile cap along outside of piers, survey erosion and parking lot expansion.



**Rationale**

Periodic renovations are necessary to meet acceptable standards and to provide better loading and unloading facility. Sheet piling and cap along the piers is necessary to minimize sedimentation within the area needed for maintenance dredging. Reconfiguration of parking area will increase capacity of ramp and provide a safer, better defined circulation resulting in increased efficiency of this facility.

**Funding Strategy**

Florida Boating Improvement Program  
 West Coast Inland Navigation District grant

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	09/30/15	0	24,983	0	0	0	0	0	0	24,983
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	12/31/17	22,563	0	0	0	0	0	2,200,000	0	2,200,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/17	2,420	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>24,983</b>	<b>24,983</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,200,000</b>	<b>0</b>	<b>2,224,983</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	24,983
Florida Boating Improvement Program	100,000
West Coast Inland Navigational District	2,100,000
<b>Total Funding:</b>	<b>2,224,983</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Ft. Hamer Park - Boat Ramp and Dock Improvements</b>
<b>Boat Ramps</b>	<b>6034610</b>	

Status: Existing Initial Year: 2012 District 1 Location: 1605 Ft. Hamer Road, Parrish

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construction of a new boat ramp to replace the old ramp and approach. Improvements to the wooden docking facility to include debris removal, design, survey, permitting and ADA access requirements.

**Project Map**



**Rationale**

The existing ramp is narrow, steep and deteriorated beyond simple repair and is in need of replacement. The wooden docks are also old and not configured to provide safe, adequate staging areas for vessels as they wait to load and unload people and equipment.

**Funding Strategy**

Florida Boating Improvement Program  
 West Coast Inland Navigation District grant

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/11	04/30/12	38,232	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	06/01/15	10/31/16	213	513,000	0	0	0	0	0	0	513,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/12	10/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>38,445</b>	<b>513,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>513,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	513,000
<b>Total Funding:</b>	<b>513,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Kingfish Boat Ramp</b>
<b>Boat Ramps</b>	<b>6071500</b>	

Status: Existing Initial Year: 2008 District 3 Location: 752 Manatee Avenue, Holmes Beach

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Relocation of existing landscaping and irrigation, reconfiguration of parking spaces and drive aisles, addition of controlled ingress/egress and pedestrian trail along the northside of the causeway, replacement of the seawall and the seawall cap and concrete boat ramp, refurbishment of docks, and construction of restroom.

**Project Map**



**Rationale**

Upgrades needed to meet FDOT requirements for increased safety and circulation in the parking lot. Seawall cap replacement is necessary to prolong the life of the seawall system.

**Funding Strategy**

West Coast Inland Navigation District grant  
 Florida Boating Improvement Program fund  
 Florida Department of Transportation \$101,511 towards pedestrian trail.

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	04/28/08	09/30/08	135,692	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/18	466,080	696,590	0	1,700,000	0	0	0	0	2,396,590
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/18	15,167	2,000	0	0	0	0	0	0	2,000
<b>Totals:</b>			<b>616,939</b>	<b>698,590</b>	<b>0</b>	<b>1,700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,398,590</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	698,590
Florida Boating Improvement Program	850,000
West Coast Inland Navigational District	850,000
<b>Total Funding:</b>	<b>2,398,590</b>



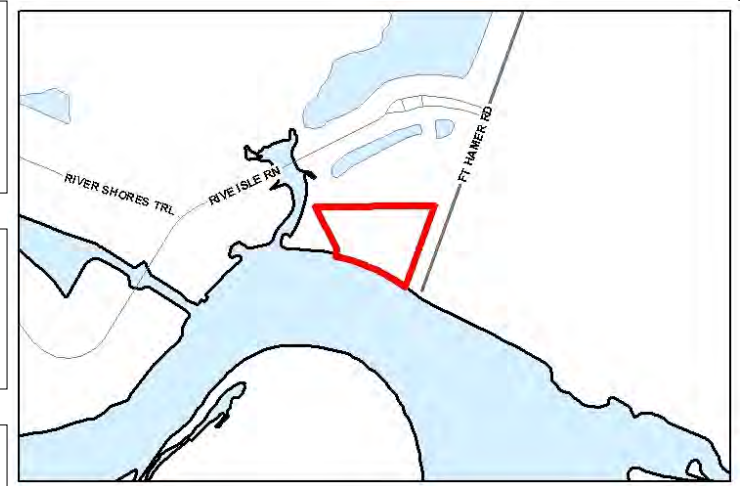
**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Ft. Hamer Park - Parking Lot Expansion</b>
<b>Parks</b>	<b>6034614</b>	
Status: Existing Initial Year: 2012 District 1 Location: 1605 Fort Hamer Road, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference: _____ Project Need: <b>Growth</b>

**Scope**

Construct new parking lot on east side of Ft. Hamer Road and necessary stormwater systems to manage water runoff created by using nonporous material to construct parking lot.

**Project Map**



**Rationale**

Additional parking is needed to accommodate boat trailers and personal vehicles.

**Funding Strategy**

Old District E Parks Impact Fees  
 Countywide Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/11	05/31/14	107,838	150,000	0	0	0	0	0	0	150,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/13	01/31/17	775,619	1,136,274	0	0	0	0	0	0	1,136,274
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/11	01/31/17	36,101	12,000	0	0	0	0	0	0	12,000
<b>Totals:</b>			<b>919,559</b>	<b>1,298,274</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,298,274</b>

**Operating Budget Impacts**

	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

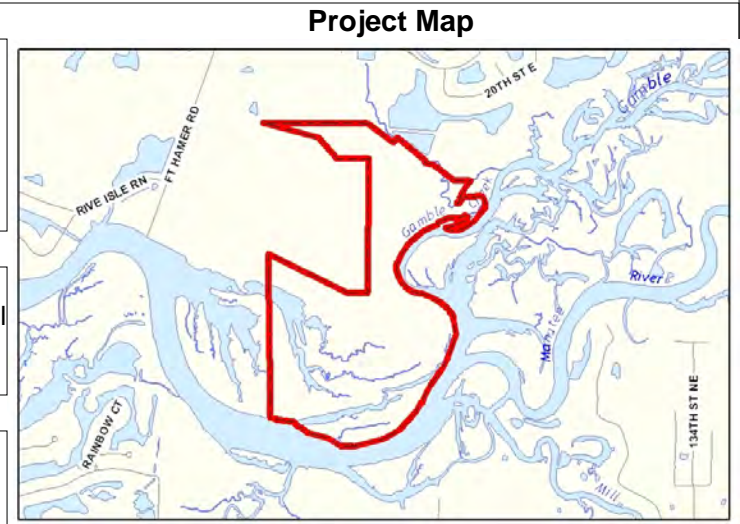
<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	1,298,274
<b>Total Funding:</b>	<b>1,298,274</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Hidden Harbor (Fort Hamer East of New Bridge)</b>
<b>Parks</b>	<b>6067406</b>	
Status: Existing Initial Year: 2009 District 1 Location: Hidden Harbor, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Development/construction to include restoration of drainage ditches, landscaping and irrigation, utilities, entry and circulation road, entrance sign, parking, pavilions, fishing/observation pier, interpretive signs, site amenities, nature trail, pavilion/restroom, exotic plant removal and enhancement of wetlands/uplands, site work and stormwater ponds, ADA-compliant playground with safety surfacing, and shade canopy.



**Rationale**

These park elements are either a requirement of the Florida Communities Trust (FCT) grant award agreement or are necessary to make the park accessible to the public and expand their recreational opportunities.

**Funding Strategy**

Impact Fees  
Grants

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/09	12/31/18	43,343	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/09	12/31/18	85	1,267,000	0	0	0	0	0	0	1,267,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/09	12/31/18	850	33,000	0	0	0	0	0	0	33,000
<b>Totals:</b>			<b>44,278</b>	<b>1,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,300,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

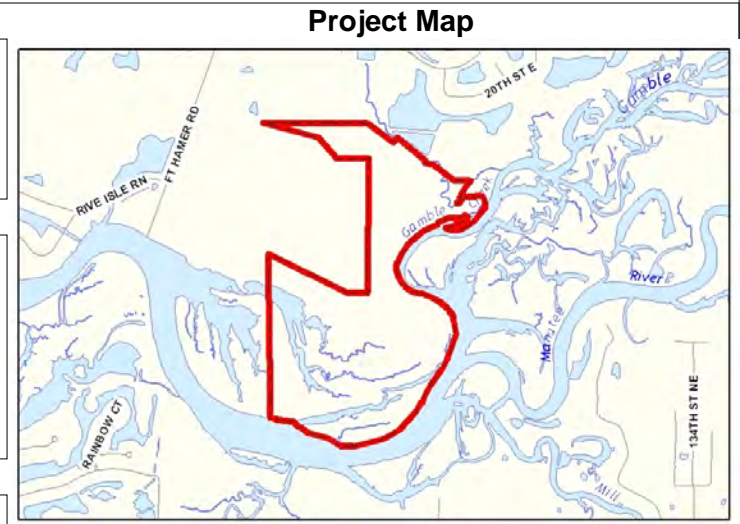
Funding Sources	Amount
All Prior Funding	1,300,000
<b>Total Funding:</b>	<b>1,300,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Hidden Harbor Park - Wetland/Upland Maintenance</b>
<b>Parks</b>	<b>6067401</b>	
Status: Existing Initial Year: 2008 District 1 Location: Hidden Harbor, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Charlie Hunsicker</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		
Project Need: <b>Maintenance</b>		

**Scope**

Maintain created/enhanced wetland and upland habitats through exotic vegetation removal (mechanical or herbicidal) and replanting as needed based on field evaluations.



**Rationale**

Restoration is a requirement of the Florida Communities Trust (FCT) grant award agreement and approved Management Plan.

**Funding Strategy**

Grant - SWFWMD

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	06/01/12	12/31/16	62,581	709,500	150,000	0	0	0	0	0	859,500
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/08	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>62,581</b>	<b>709,500</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>859,500</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

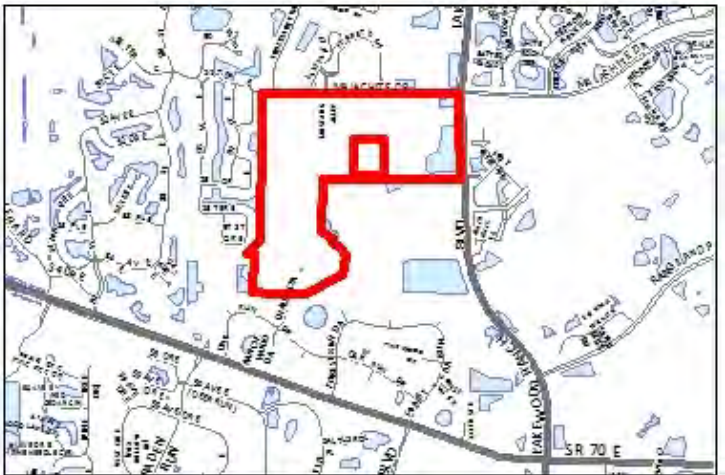
Funding Sources	Amount
All Prior Funding	709,500
Grants	150,000
<b>Total Funding:</b>	<b>859,500</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Lakewood Ranch Park Soccer Field Lighting</b>
<b>Parks</b>	<b>6039918</b>	
Status: Existing Initial Year: 2016 District 5 Location: 5350 Lakewood Ranch Blvd., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

**Scope** **Project Map**

Purchase and install soccer field lighting at Lakewood Ranch Park.



**Rationale**

Lakewood Ranch Youth Soccer has grown to a point that additional field lighting is required in order to avoid temporary lighting solutions that aggravate neighboring communities and at the same time meet the needs of a growing community and sport.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/15	09/30/17	431,982	575,000	0	0	0	0	575,000	0	1,150,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	09/30/17	800	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>432,782</b>	<b>575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>575,000</b>	<b>0</b>	<b>1,150,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	15,000	15,000	15,000	30,000
Operating Capital:				
Operating Total:	15,000	15,000	15,000	30,000
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	575,000
Impact Fees	575,000
<b>Total Funding:</b>	<b>1,150,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>North County Pool</b>
<b>Parks</b>	<b>NR01440</b>	

Status: Requested Initial Year: 2018 District 1 Location: North County

**Comprehensive Plan Information**

Project Mgr: **Charlie Hunsicker**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Design and build a 25 yard swimming pool with zero depth entry, splash area, diving boards, starting blocks, deep water attraction, locker rooms, restrooms parking, shaded pool decks, picnic pavilions, and pool and deck lighting. Project will include water treatment items including filtration, aeration and heating. Land acquisition may be necessary, the site for the North County Pool has not yet been determined.

**Rationale**

Currently, there is not a public pool facility in the North County area. This facility would provide opportunities for recreational and competitive swimming, swim lessons and other aquatic activities not currently available in this area.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	08/01/18	0	0	0	300,000	0	0	0	0	300,000
Land:	10/01/18	12/31/19	0	0	0	0	1,000,000	0	0	0	1,000,000
Construction:	10/01/18	12/31/20	0	0	0	0	3,000,000	0	0	0	3,000,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/20	0	0	0	200,000	0	0	0	0	200,000
Totals:			0	0	0	500,000	4,000,000	0	0	0	4,500,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:	0	75,000	300,000	300,000
Non-Personal:	0	0	150,000	150,000
Operating Capital:	0	0	100,000	100,000
Operating Total:	0	75,000	550,000	550,000
No.of Positions:	0	0	0	0

**Means of Financing**

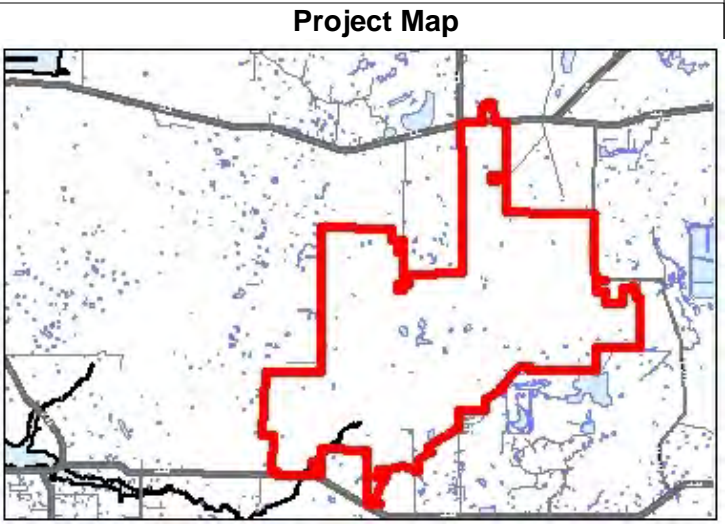
Funding Sources	Amount
Impact Fees	4,500,000
Total Funding:	4,500,000

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Duette Preserve - Hydrologic Restoration</b>
<b>Preserves</b>	<b>6006506</b>	
Status: Existing Initial Year: 2015 District 1 Location: 2649 Rawls Road, Duette		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Charlie Hunsicker</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference: _____ Project Need: <b>Other Need</b>

**Scope**

Restore and enhance the geographic extent and duration of flooding of approximately 1,600 acres within targeted freshwater wetlands in the Lake Manatee watershed.



**Rationale**

Restore and enhance wetlands in Duette Preserve.

**Funding Strategy**

Contributions  
 Grants - Tampa Bay Estuary

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/15	12/31/16	193,417	290,482	276,000	0	0	0	0	0	566,482
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/15	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>193,417</b>	<b>290,482</b>	<b>276,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>566,482</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	290,482
Grants	276,000
<b>Total Funding:</b>	<b>566,482</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Duette Preserve - Wetland Mitigation</b>
<b>Preserves</b>	<b>6006505</b>	

Status: Existing Initial Year: 2015 District 1 Location: 2649 Rawls Road, Duette

**Comprehensive Plan Information**

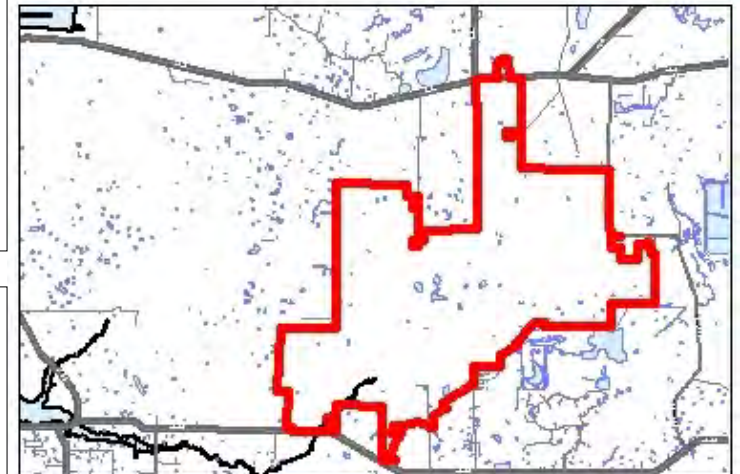
Project Mgr: **Charlie Hunsicker**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Other Need**

**Scope**

Ecological restoration and enhancement of approximately 100 acres of wetland and upland areas impacted by historical agricultural uses at Duette Preserve. The project will include removal of ditches and re-grading to restore wetland hydroperiods and restoration of wetland and upland habitats.

**Project Map**



**Rationale**

FDOT is required to provide mitigation for wetland impacts associated with planned interchanges improvements at various intersections. The habitat restoration will benefit water quality and wildlife by greatly improving the ecological value of the habitat.

**Funding Strategy**

Contributions  
Grants

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/15	09/30/16	142,757	200,000	0	0	0	0	0	0	200,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/15	12/31/16	478,906	1,800,400	0	0	0	0	0	0	1,800,400
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/15	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>621,664</b>	<b>2,000,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,000,400</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,000,400
<b>Total Funding:</b>	<b>2,000,400</b>

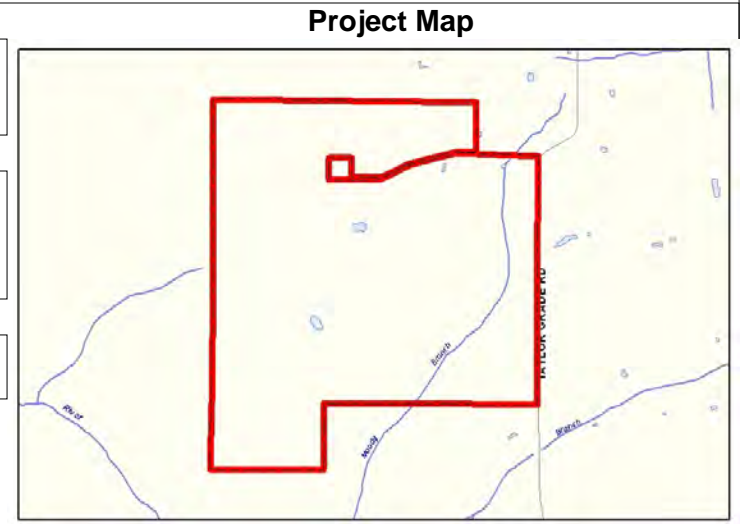


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Moody Branch Preserve</b>
<b>Preserves</b>	<b>6051201</b>	
Status: Existing Initial Year: 2010 District 1 Location: 13041 Taylor Grade Road, Duette		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Charlie Hunsicker</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

**Scope**

Construction of a parking lot, picnic pavilion, playground, nature/fitness trail, wildlife observation platform and interpretive signage.



**Rationale**

Florida Communities Trust (FCT) and Florida Fish & Wildlife Conservation Commission (FFWCC) provided funding for the acquisition of this property. Manatee County has an obligation to provide public access and minimal recreational improvements including a playground, picnic pavilion, trail, interpretive signage, shell parking lot, and boardwalk access to a wetland observation platform.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/09	09/30/15	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/09	12/31/16	11,172	85,000	0	0	0	0	0	0	85,000
Equipment:			0	15,000	0	0	0	0	0	0	15,000
Project Mgt.:	10/01/09	12/31/16	7,798	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>18,971</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	1,000	1,000	1,000	1,000
Operating Capital:				
Operating Total:	1,000	1,000	1,000	1,000
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	100,000
<b>Total Funding:</b>	<b>100,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Perico Preserve Seagrass Mitigation Area</b>
<b>Preserves</b>	<b>6071302</b>	

Status: Existing Initial Year: 2012 District 3 Location: Perico Preserve, Bradenton

**Comprehensive Plan Information**

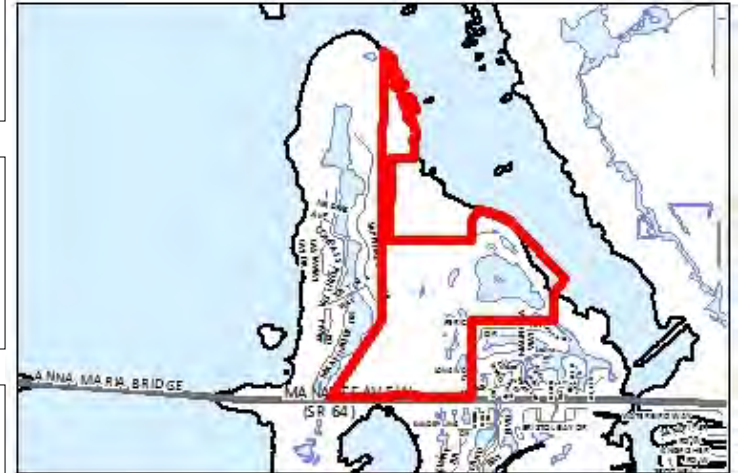
Project Mgr: **Charlie Hunsicker**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Other Need**

**Scope**

Create an approximate 15 acre seagrass mitigation area with access trail and boardwalk at the Perico Preserve on land owned by Manatee County.

**Project Map**



**Rationale**

The seagrass mitigation project will provide two primary benefits. The first benefit will be to provide mitigation credits to Port Manatee (or possibly to another user of the credits, such as FDOT) to allow permitting for a future berth expansion at the Port, and the second benefit will be to provide 140,000 cubic yards of clean fill for the refurbishment of reclaimed water ponds at the Southwest Regional Wastewater Treatment Plant.

**Funding Strategy**

Interfund Loan Proceeds (To be repaid from Mitigation Credits)  
 Utilities Funding

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	05/01/12	12/31/17	301,236	15,000	0	0	0	0	0	0	15,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/12	12/31/17	1,447,824	1,806,436	0	0	0	0	0	0	1,806,436
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/12	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,749,060</b>	<b>1,821,436</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,821,436</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,821,436
<b>Total Funding:</b>	<b>1,821,436</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Perico/Robinson Preserve Trail Connector</b>
<b>Preserves</b>	<b>6071303</b>	
Status: Existing Initial Year: 2016 District 3 Location: Perico/Robinson Preserve		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Charlie Hunsicker</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Land purchase and construction of multi-modal trail to connect Robinson Preserve and Perico Preserve with directional and interpretive signage and benches.	
<b>Rationale</b>	
Trail connector will enhance visitor experience to both preserves by allowing mobility between the preserves without driving between preserves.	
<b>Funding Strategy</b>	
Impact Fees	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	12/01/15	09/30/16	100	0	0	0	0	0	0	0	0
Land:	12/01/15	09/30/16	40,286	40,000	0	0	0	0	0	0	40,000
Construction:	01/01/19	12/31/19	0	0	0	55,000	0	0	0	0	55,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	12/01/15	12/31/19	0	5,000	0	0	0	0	0	0	5,000
<b>Totals:</b>			<b>40,386</b>	<b>45,000</b>	<b>0</b>	<b>55,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100,000</b>

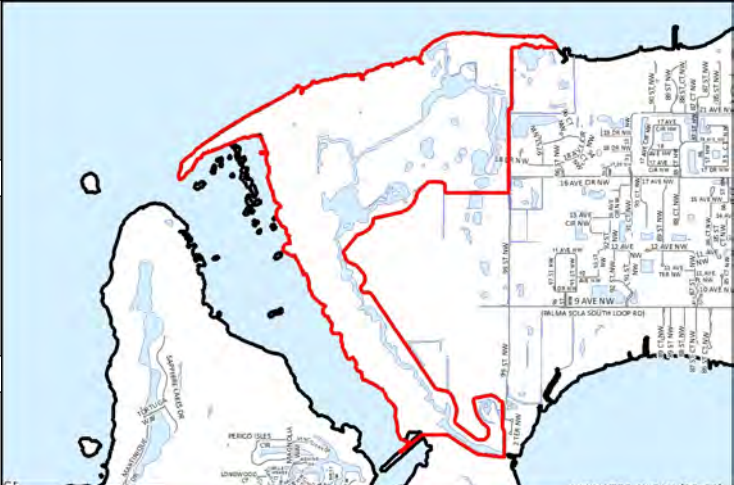
**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	45,000
Impact Fees	55,000
<b>Total Funding:</b>	<b>100,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Robinson Oyster Bar - Creation</b>
<b>Preserves</b>	<b>6085212</b>	
Status: Existing Initial Year: 2015 District 3 Location: 1704 99th St NW, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Charlie Hunsicker</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Create new oyster bar habitat within the internal waters of Robinson Preserve.	
<b>Rationale</b>	
Enhance habitat at the preserve.	
<b>Funding Strategy</b>	
Grants	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/15	12/31/16	17,052	53,000	0	0	0	0	0	0	53,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/15	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			17,052	53,000	0	0	0	0	0	0	53,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	53,000
<b>Total Funding:</b>	<b>53,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Robinson Preserve Expansion Amenities</b>
<b>Preserves</b>	<b>6085200</b>	

Status: Existing Initial Year: 2013 District 3 Location: 1704 99th St NW, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Charlie Hunsicker**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Development of a master plan for the Robinson Preserve Expansion site amenities.

**Project Map**



**Rationale**

Development of a master plan for site amenities at the Robinson Preserve expansion site including design, engineering and permitting.

**Funding Strategy**

Phosphate Severance Fund  
 General Revenues

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	06/01/13	12/31/17	197,345	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	06/01/13	12/31/17	72,248	314,781	0	0	0	0	0	0	314,781
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/13	12/31/17	31,450	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>301,043</b>	<b>314,781</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>314,781</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

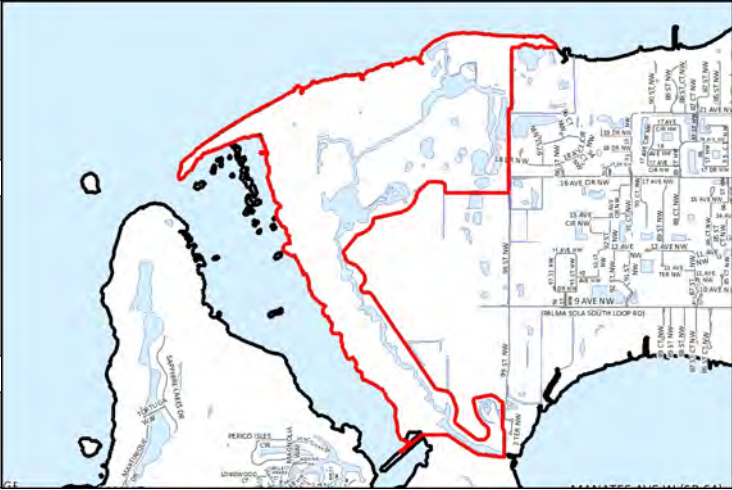
**Means of Financing**

Funding Sources	Amount
All Prior Funding	314,781
<b>Total Funding:</b>	<b>314,781</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Robinson Preserve Expansion Environmental Center</b>
<b>Preserves</b>	<b>6085201</b>	
Status: Existing Initial Year: 2013 District 3 Location: 1704 99th St NW, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Construction and furnishing of the Mosaic Environmental Center.	
<b>Rationale</b>	
Manatee County has no indoor environmental classroom for shelter during inclement weather or relief from summer heat and humidity in conjunction with many activities carried out at Robinson Preserve.	
<b>Funding Strategy</b>	
Phosphate Severance Tax General Revenues Parks Impact Fees	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	07/01/13	12/31/19	98,087	100,000	0	0	0	0	0	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/13	12/31/19	10,572	1,486,582	0	0	0	0	0	0	1,486,582
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	06/01/13	12/31/19	2,050	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>110,709</b>	<b>1,586,582</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,586,582</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	15,000	15,000	15,000	15,000
Operating Capital:				
Operating Total:	15,000	15,000	15,000	15,000
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	1,586,582
<b>Total Funding:</b>	<b>1,586,582</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Robinson Preserve Expansion Kayak Launch &amp; Storage Units</b>
<b>Preserves</b>	<b>6085211</b>	

Status: Existing Initial Year: 2014 District 3 Location: 1704 99th St NW, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construction of a beach compatible sand surface canoe/kayak launch and kayak storage rental units, parking lot and restroom.

**Project Map**



**Rationale**

Provide visitors additional access to the waterways in the preserve. The kayak storage rental units are very popular. There is a long waiting list for the units. Additional units are needed as some people have been on the list for 3 years.

**Funding Strategy**

Florida Boating Improvement Program  
 West Coast Inland Navigation District  
 Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>									
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date	
Design:	10/01/13	12/31/16	0	25,000	0	0	0	0	0	0	25,000	
Land:			0	0	0	0	0	0	0	0	0	
Construction:	10/01/14	12/31/19	173,749	370,000	0	330,000	0	0	0	0	700,000	
Equipment:			0	0	0	0	0	0	0	0	0	
Project Mgt.:	10/01/13	12/31/19	0	5,000	0	0	0	0	0	0	5,000	
<b>Totals:</b>			<b>173,749</b>	<b>400,000</b>	<b>0</b>	<b>330,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>730,000</b>	

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	400,000
Impact Fees	330,000
<b>Total Funding:</b>	<b>730,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Robinson Preserve Expansion Multi-Surface Trails</b>
<b>Preserves</b>	<b>6085209</b>	

Status: Existing Initial Year: 2013 District 3 Location: 1704 99th St NW, Bradenton

**Comprehensive Plan Information**

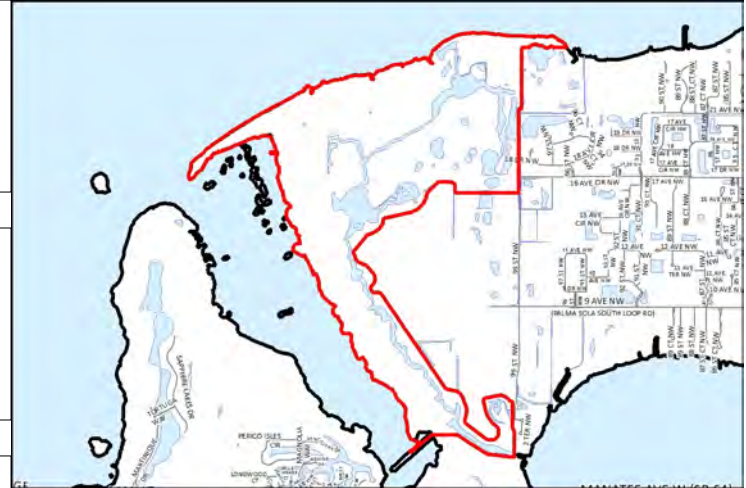
Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construction of recreational trails including a 1.6 mile, 12' wide rubberized surface trail with benches, boardwalks and bridges.

**Project Map**



**Rationale**

To allow public access to the expanded property, enhance bicycle and pedestrian mobility and to link to existing trail system in original Robinson Preserve property.

**Funding Strategy**

Park Impact Fees  
 General Revenues  
 Grants  
 Recreational Trail Program grant

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	12/31/19	27,117	282,450	0	0	0	0	0	0	282,450
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/19	608,626	1,840,990	0	120,000	0	0	0	0	1,960,990
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/19	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>635,742</b>	<b>2,123,440</b>	<b>0</b>	<b>120,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,243,440</b>

**Operating Budget Impacts**

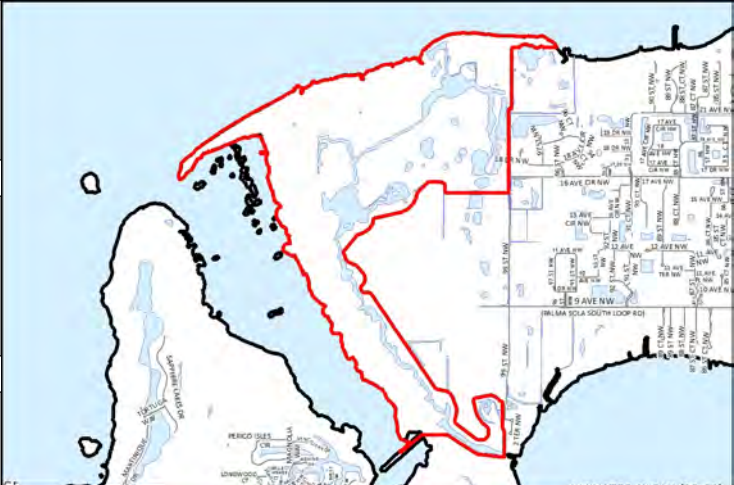
	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,123,440
Impact Fees	120,000
<b>Total Funding:</b>	<b>2,243,440</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Robinson Preserve Expansion Parking Lot</b>
<b>Preserves</b>	<b>6085203</b>	
Status: Existing Initial Year: 2013 District 3 Location: 1704 99th St NW, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Construction of a parking lot to support the Mosaic Environmental Center.	
<b>Rationale</b>	
Visitors to the environmental center will need a place to park their vehicles.	
<b>Funding Strategy</b>	
Phosphate Severance Tax	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	07/01/13	12/31/19	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/19	0	2,324,685	0	0	0	0	0	0	2,324,685
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	07/01/13	12/31/19	11,550	50,000	0	0	0	0	0	0	50,000
<b>Totals:</b>			<b>11,550</b>	<b>2,374,685</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,374,685</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	2,374,685
<b>Total Funding:</b>	<b>2,374,685</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Robinson Preserve Expansion Restoration</b>
<b>Preserves</b>	<b>6085208</b>	
Status: Existing Initial Year: 2014 District 3 Location: 1704 99th St NW, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Restoration of the expanded property to include excavation, exotic plant removal, soil placement, grading & compaction, land clearing, planting, etc.	
<b>Rationale</b>	
Restoration accomplishes goals of the Sarasota Bay Estuary, the Tampa Bay Estuary Program and the Southwest Florida Water Management District by creating habitats to offset residential development.	
<b>Funding Strategy</b>	
Grants - SWFWMD, USFWS, Restore Act Tree Trust Funds	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	12/31/19	476,388	255,000	0	0	0	0	0	0	255,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/14	12/31/19	2,531,991	3,637,208	2,200,000	0	0	0	0	0	5,837,208
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/19	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>3,008,379</b>	<b>3,892,208</b>	<b>2,200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,092,208</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	3,892,208
Grants	2,200,000
<b>Total Funding:</b>	<b>6,092,208</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Parks &amp; Natural Resources</b>	Project#	<b>Robinson Preserve Expansion Restrooms</b>
<b>Preserves</b>	<b>6085202</b>	
Status: Existing Initial Year: 2013 District 3 Location: 1704 99th St NW, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Construction of stand alone restrooms to include structures, plumbing, sewer, electric, etc.	
<b>Rationale</b>	
Restrooms are needed for visitors to the Mosaic Environmental Center.	
<b>Funding Strategy</b>	
Phosphate Severance Tax	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	07/01/13	12/31/15	15,523	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/19	378	345,898	0	0	0	0	0	0	345,898
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	07/01/13	12/31/19	550	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>16,452</b>	<b>345,898</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>345,898</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	7,500	7,500	0	0
Operating Capital:				
Operating Total:	7,500	7,500	0	0
No.of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	345,898
<b>Total Funding:</b>	<b>345,898</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Sources and Uses of Funds Plan Summary by Category**

Potable Water

**Source of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
All Sources	52,567,603	105,391,244	0	0	0	0	0	0	105,391,244
Debt Proceeds	0	0	1,200,000	24,500,000	0	0	0	0	25,700,000
Facility Investment Fees	0	0	300,000	300,000	300,000	400,000	400,000	0	1,700,000
Rates	0	0	11,635,747	23,628,434	9,518,735	9,736,871	9,823,580	391,600	64,734,967
Total Source of Funds	52,567,603	105,391,244	13,135,747	48,428,434	9,818,735	10,136,871	10,223,580	391,600	197,526,211

**Use of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
Potable Water Distribution	1,073,407	6,614,300	4,057,370	840,600	0	620,814	100,000	0	12,233,084
Potable Water Renewal/Replacement	19,668,121	27,227,267	4,762,877	5,312,834	9,518,735	8,216,057	7,955,580	391,600	63,384,950
Potable Water Supply	24,006,167	31,121,449	300,000	300,000	300,000	300,000	300,000	0	32,621,449
Potable Water Transportation Related	2,705,863	6,696,188	253,000	0	0	1,000,000	1,000,000	0	8,949,188
Potable Water Treatment	5,114,045	33,732,040	3,762,500	41,975,000	0	0	868,000	0	80,337,540
Total Use of Funds	52,567,603	105,391,244	13,135,747	48,428,434	9,818,735	10,136,871	10,223,580	391,600	197,526,211





**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Potable Water	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Potable Water Distribution</b>									
1 44th Avenue East-45th Street-44th Avenue Plaza East (6086970 / Existing)	0	300,300	0	0	0	0	0	0	300,300
2 63rd Avenue East and 39th Street East Loop (6031770 / Existing)	29,509	1,056,000	0	0	0	0	0	0	1,056,000
3 63rd Street East Loop - Braden River Road (6077970 / Existing)	27,685	363,000	0	0	0	0	0	0	363,000
4 Country Club Heights - Water (6088770 / Existing)	0	0	133,770	840,600	0	0	0	0	974,370
5 Erie Road Major Water Main (6028271 / Existing)	12,409	492,000	3,273,600	0	0	0	0	0	3,765,600
6 Mulholland Road Utility Extension (6046270 / Existing)	117,241	1,122,000	650,000	0	0	0	0	0	1,772,000
7 Potable Water Line Extensions & Participation Agreements (PW01220 / Existing)	0	0	0	0	0	100,000	100,000	0	200,000
8 SR70-I-75 Interchange Water Main & Facility Relocations (6053671 / Existing)	0	71,000	0	0	0	520,814	0	0	591,814
9 US 301 at Ellenton Gillette Road (6035171 / Existing)	5,770	230,000	0	0	0	0	0	0	230,000
10 Whitfield Avenue / Lockwood Ridge to Prospect - 16 Inch Water (6040970 / Existing)	880,793	2,980,000	0	0	0	0	0	0	2,980,000
<b>Potable Water Distribution</b>	<b>1,073,407</b>	<b>6,614,300</b>	<b>4,057,370</b>	<b>840,600</b>	<b>0</b>	<b>620,814</b>	<b>100,000</b>	<b>0</b>	<b>12,233,084</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Potable Water	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Potable Water Renewal/Replacement</b>									
11 45th Street East - Water Main Lowering (PW01403 / Requested)	0	0	0	0	0	0	62,800	391,600	454,400
12 64th Avenue, 65th Avenue Drive, Winter Garden Drive (PW01212 / Existing)	0	0	0	0	179,600	1,129,050	0	0	1,308,650
13 69th Avenue Water Main Loop from 63rd Avenue West to US 41 (6078070 / Existing)	70,605	1,317,000	0	0	0	0	0	0	1,317,000
14 Anna Maria Water Line Improvements (6002870 / Existing)	3,038,577	3,808,652	250,000	250,000	250,000	250,000	250,000	0	5,058,652
15 Canal Road Water Main Replacement (6067370 / Existing)	248,040	2,630,000	0	0	0	0	0	0	2,630,000
16 Ciprianis Subdivision 1st and 2nd (6088870 / Existing)	0	0	313,200	0	0	0	0	0	313,200
17 Cortez Gardens (PW01214 / Existing)	0	0	0	0	414,380	0	0	0	414,380
18 DeSoto Memorial Highway (PW01215 / Existing)	0	0	0	307,940	0	0	0	0	307,940
19 Distribution Building / Annex Rehab (66th Street Complex) (6019208 / Existing)	451,545	2,500,000	0	0	0	0	0	0	2,500,000
20 Elwood I Booster Pump Station, Pump 1,6,7 Replacement (PW01209 / Existing)	0	0	0	0	456,000	0	0	0	456,000
21 End of Service Life Distribution Line Replacement (PW01110 / Existing)	0	0	0	55,950	60,000	698,154	3,319,900	0	4,134,004
22 Flamingo Cay Water Main Replacement (6088970 / Existing)	0	0	262,217	2,968,500	0	0	0	0	3,230,717
23 Fogarty's Subdivision (PW01216 / Existing)	0	0	0	0	129,100	813,200	0	0	942,300
24 Franklin Avenue & US 301 N Loop (PW01217 / Existing)	0	0	0	423,960	0	0	0	0	423,960
25 Grove Haven Subdivision - Water (PW01106 / Existing)	0	0	0	0	180,390	0	0	0	180,390
26 Harbor Hills (PW01348 / Existing)	0	0	0	0	0	125,000	999,600	0	1,124,600
27 Hazelhurst Subdivision - Water (PW01105 / Existing)	0	0	0	0	602,055	0	0	0	602,055
28 Palma Sola Subdivision Water Line Improvements (6053370 / Existing)	2,843,525	3,075,229	200,000	200,000	200,000	200,000	0	0	3,875,229
29 Palmetto Point Water Main Replacement (PW01218 / Existing)	0	0	0	800,700	3,989,370	4,400,000	0	0	9,190,070

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Potable Water	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
30 Paradise Bay - Battersby Sub Fire Flow Improvement (PW01404 / Requested)	0	0	0	0	0	127,353	0	0	127,353
31 Pic Town Estates - Water Phase I (6074870 / Existing)	981,491	1,810,121	0	0	0	0	0	0	1,810,121
32 San Remo Shores - Water (PW01104 / Existing)	0	0	0	305,784	3,057,840	0	0	0	3,363,624
33 Suburban System - Water (6074770 / Existing)	4,162,867	4,203,324	0	0	0	0	0	0	4,203,324
34 Tangelo Park (PW01219 / Existing)	0	0	0	0	0	280,300	1,758,000	0	2,038,300
35 US41 Manatee River Crossing Water Main Replacement (PW01023 / Existing)	0	0	0	0	0	193,000	1,565,280	0	1,758,280
36 Utilities Maintenance Management System Replacement (6089000 / Requested)	0	0	3,000,000	0	0	0	0	0	3,000,000
37 Water Facility - Tainter Gates - Water (6026073 / Existing)	7,871,471	7,882,941	0	0	0	0	0	0	7,882,941
38 Willow Woods and Lakes Estates Water Main Upgrade (6089170 / Existing)	0	0	737,460	0	0	0	0	0	737,460
<b>Potable Water Renewal/Replacement</b>	<b>19,668,121</b>	<b>27,227,267</b>	<b>4,762,877</b>	<b>5,312,834</b>	<b>9,518,735</b>	<b>8,216,057</b>	<b>7,955,580</b>	<b>391,600</b>	<b>63,384,950</b>
<b>Potable Water Supply</b>									
39 Downstream Floodway Land Acquisition (6021672 / Existing)	1,807,491	2,199,140	100,000	100,000	100,000	100,000	100,000	0	2,699,140
40 Lake Manatee Dam Repairs (6026075 / Existing)	18,573,419	24,500,000	0	0	0	0	0	0	24,500,000
41 Lake Manatee Watershed Land Purchases (6021670 / Existing)	3,549,203	3,944,229	100,000	100,000	100,000	100,000	100,000	0	4,444,229
42 Water Supply Acquisitions (6058700 / Existing)	76,054	478,080	100,000	100,000	100,000	100,000	100,000	0	978,080
<b>Potable Water Supply</b>	<b>24,006,167</b>	<b>31,121,449</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>300,000</b>	<b>0</b>	<b>32,621,449</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Potable Water	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Potable Water Transportation Related</b>									
43 15th Street East - 301 Boulevard - US 41 - 53rd Avenue East - Utilities (6029970 / Existing)	82,957	121,635	0	0	0	0	0	0	121,635
44 44th Avenue East - 15th Street East - 19th Street Court East - Utilities (6045670 / Existing)	138,338	400,000	0	0	0	0	0	0	400,000
45 44th Avenue East - 19th Street Court East - 30th Street East - Water (6045671 / Existing)	328,555	850,000	0	0	0	0	0	0	850,000
46 44th Avenue East - 30th Street East - 45th Street East - Water (6071170 / Existing)	957,183	1,402,079	0	0	0	0	0	0	1,402,079
47 44th Avenue East - US 41 - 15th Street East - Water (6001070 / Existing)	573,023	1,000,000	0	0	0	0	0	0	1,000,000
48 45th Street East - 44th Avenue East - SR 70 - Water (6025672 / Existing)	63,884	965,000	0	0	0	0	0	0	965,000
49 53rd Avenue West - 43rd Street West - 75th Street West - Potable Water (6082970 / Existing)	417,483	600,000	40,000	0	0	0	0	0	640,000
50 9th Street East - 53rd Avenue East - 57th Avenue East (6040470 / Existing)	71,438	170,000	0	0	0	0	0	0	170,000
51 Ellenton Gillette - US 301 - Mocassin Wallow Water (6084570 / Existing)	8,047	390,000	0	0	0	0	0	0	390,000
52 Erie Road - 69th St E - US301 - E/W Phase - Utility Relocations (6082870 / Existing)	0	0	213,000	0	0	0	0	0	213,000
53 Potable Transportation Related (PW01351 / Existing)	0	0	0	0	0	1,000,000	1,000,000	0	2,000,000
54 Tallevast Road Sidewalk - Utility Relocation (6044670 / Existing)	0	50,000	0	0	0	0	0	0	50,000
55 US 301/CR 675 to Moccasin Wallow Road - Water (6085470 / Existing)	64,955	747,474	0	0	0	0	0	0	747,474
<b>Potable Water Transportation Related</b>	<b>2,705,863</b>	<b>6,696,188</b>	<b>253,000</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>8,949,188</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Potable Water	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Potable Water Treatment</b>									
56 Lake Manatee Ultra Filtration Membrane Process Upgrade (6050470 / Existing)	3,074,433	7,533,940	3,500,000	39,500,000	0	0	0	0	50,533,940
57 Raw Water #2 Motor Control Component Replacement (6025974 / Existing)	0	898,100	0	0	0	0	0	0	898,100
58 SCADA Replacement (6088670 / Existing)	0	0	262,500	2,475,000	0	0	0	0	2,737,500
59 WTP Alum Sludge Drying Bed (PW01405 / Requested)	0	0	0	0	0	0	868,000	0	868,000
60 Water Treatment Plant Biological Treatment Unit (6085870 / Existing)	1,994,302	24,400,000	0	0	0	0	0	0	24,400,000
61 Water Treatment Plant Motor Control Center "A" Replacement (6025973 / Existing)	45,310	900,000	0	0	0	0	0	0	900,000
<b>Potable Water Treatment</b>	<b>5,114,045</b>	<b>33,732,040</b>	<b>3,762,500</b>	<b>41,975,000</b>	<b>0</b>	<b>0</b>	<b>868,000</b>	<b>0</b>	<b>80,337,540</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>44th Avenue East-45th Street-44th Avenue Plaza East</b>
<b>Potable Water Distribution</b>	<b>6086970</b>	
Status: Existing Initial Year: 2016 District 5 Location: 44th Avenue-45th St-44th Ave Plaza E		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Taha Ataya</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

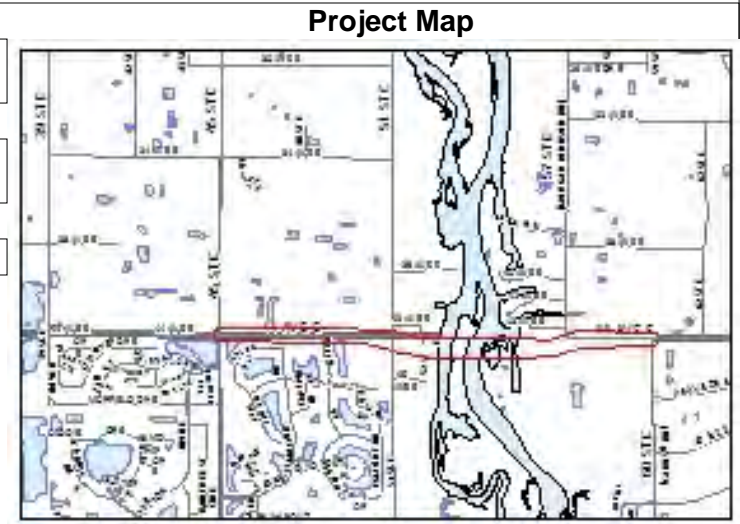
Replacement and relocation of current 36" water main. The road is being widened from two lanes to four lanes divided with a new bridge over the Braden River.

**Rationale**

The current water main was installed in 1965, with the addition of 44th Avenue, this water main is necessary and will now cross the Braden River.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:			0	300,300	0	0	0	0	0	0	300,300
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	07/01/16	12/31/19	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	300,300	0	0	0	0	0	0	300,300

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	300,300
<b>Total Funding:</b>	<b>300,300</b>

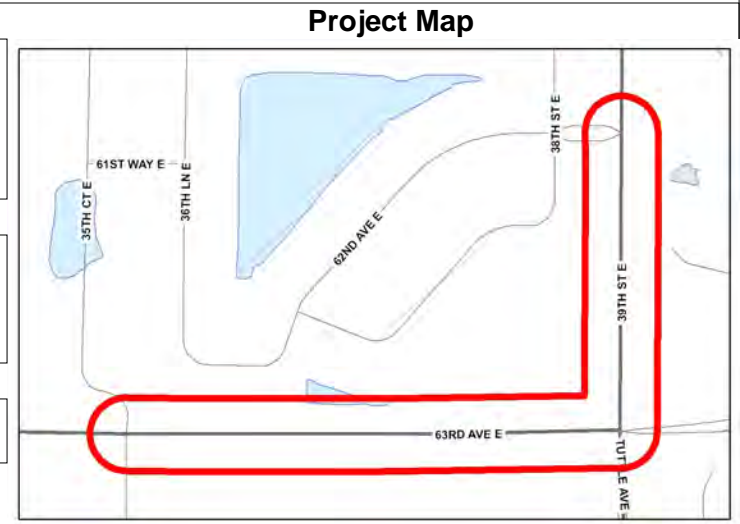


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>63rd Avenue East and 39th Street East Loop</b>
<b>Potable Water Distribution</b>	<b>6031770</b>	
Status: Existing Initial Year: 2011 District 4 Location: 63rd Ave E/Prospect-39th St E, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Installation of new 16 inch ductile iron pipe (DIP) water line.



**Rationale**

Complete a looped system which will require approximately 1,400 feet of 16 inch ductile iron pipe (DIP) water main, short services, mechanical joint tee, fire hydrants, valves, grouting existing 4 inch water main and installing all new services on new 16 inch hydrants, services and valves. Hydrants, services and valves will be installed to county and Ten State Standards.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	09/30/15	16,502	67,000	0	0	0	0	0	0	67,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/15	12/31/16	37	989,000	0	0	0	0	0	0	989,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/16	12,970	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>29,509</b>	<b>1,056,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,056,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

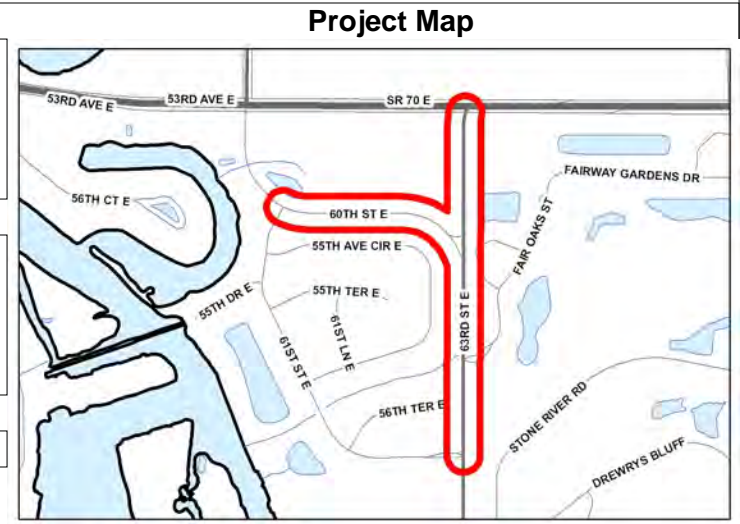
Funding Sources	Amount
All Prior Funding	1,056,000
<b>Total Funding:</b>	<b>1,056,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>63rd Street East Loop - Braden River Road</b>
<b>Potable Water Distribution</b>	<b>6077970</b>	
Status: Existing Initial Year: 2012 District 5 Location: Braden River Road - SR 70 - 61st Street East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Anthony Benitez</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Installation of new 12 inch ductile iron pipe (DIP) water main to complete a looped system on 63rd Street East - Braden River Road from SR 70 to 61st Street East including part of 60th Street East.



**Rationale**

Install hydrants, services and valves to county and Ten State Standards.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	06/30/16	26,630	52,000	0	0	0	0	0	0	52,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/16	06/30/17	0	311,000	0	0	0	0	0	0	311,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	06/30/17	1,055	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>27,685</b>	<b>363,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>363,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	363,000
<b>Total Funding:</b>	<b>363,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Country Club Heights - Water</b>
<b>Potable Water Distribution</b>	<b>6088770</b>	
Status: Existing Initial Year: 2014 District 3 Location: 43rd St W-13th Ave-17th Ave West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Complete a looped system with 6,100 feet of 6 inch water main. Hydrants, services and valves will be installed to county and Ten State Standards.

**Rationale**

To provide fire protection and increase water quality to Country Club Heights.

**Funding Strategy**

Utility Rates

**Project Map**



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	09/30/17	0	0	127,400	0	0	0	0	0	127,400
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/18	0	0	0	700,500	0	0	0	0	700,500
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/18	0	0	6,370	140,100	0	0	0	0	146,470
<b>Totals:</b>			0	0	133,770	840,600	0	0	0	0	974,370

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

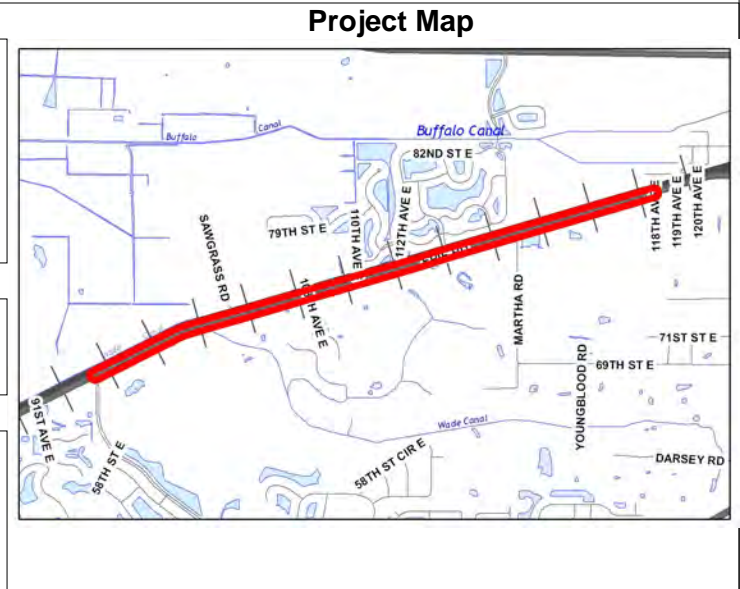
<b>Means of Financing</b>	
Funding Sources	Amount
Rates	974,370
<b>Total Funding:</b>	<b>974,370</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Erie Road Major Water Main</b>
<b>Potable Water Distribution</b>	<b>6028271</b>	
Status: Existing Initial Year: 2014 District 1 Location: Erie Rd-Harrison Ranch Blvd-St. Mary's Mission, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Taha Ataya</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

This project needs approximately 12,000 feet of 24 inch ductile iron pipe water main. Fire hydrants will be installed every 800 feet and in-line valves every 1,600 feet. Hydrants, services and valves will be installed to county and Ten State Standards.



**Rationale**

Complete a major looped system for Erie Road and Copperstone Phase 1.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	09/30/16	0	492,000	0	0	0	0	0	0	492,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/18	0	0	2,976,000	0	0	0	0	0	2,976,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/18	12,409	0	297,600	0	0	0	0	0	297,600
<b>Totals:</b>			<b>12,409</b>	<b>492,000</b>	<b>3,273,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,765,600</b>

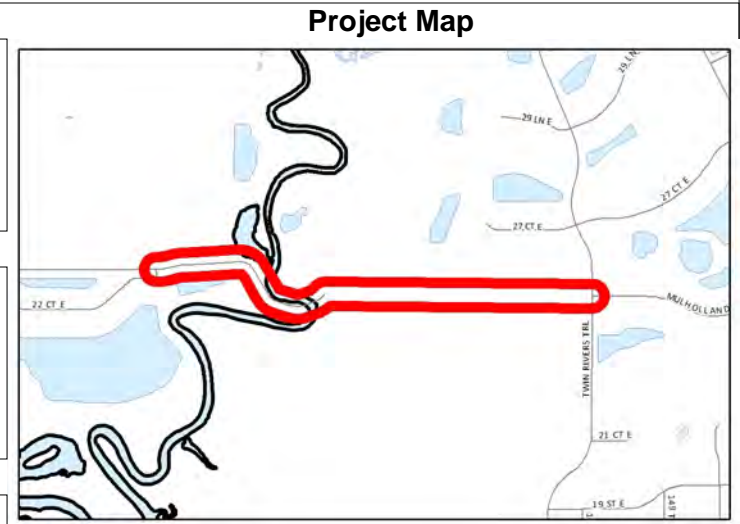
<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					All Prior Funding	492,000
Non-Personal:					Debt Proceeds	1,200,000
Operating Capital:					Rates	2,073,600
Operating Total:					<b>Total Funding:</b>	<b>3,765,600</b>
No.of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Mulholland Road Utility Extension</b>
<b>Potable Water Distribution</b>	<b>6046270</b>	
Status: Existing Initial Year: 2014 District 1 Location: Between Twin Rivers Trail & 22nd Court East, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Complete a looped system with approximately 3,800 feet of 10 inch water main by connecting existing utilities from River Plantation Phase II to Twin River Phase III. Hydrants and valves will be installed to county and Ten State Standards.



**Rationale**

Project was identified in the Water Distribution Master Plan and is required to maintain water quality.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/16	06/30/16	112,982	93,000	0	0	0	0	0	0	93,000
Land:	10/01/15	09/30/16	0	0	0	0	0	0	0	0	0
Construction:	10/01/16	03/31/17	0	1,029,000	425,000	0	0	0	0	0	1,454,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/16	03/31/17	4,259	0	225,000	0	0	0	0	0	225,000
<b>Totals:</b>			<b>117,241</b>	<b>1,122,000</b>	<b>650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,772,000</b>

**Operating Budget Impacts**

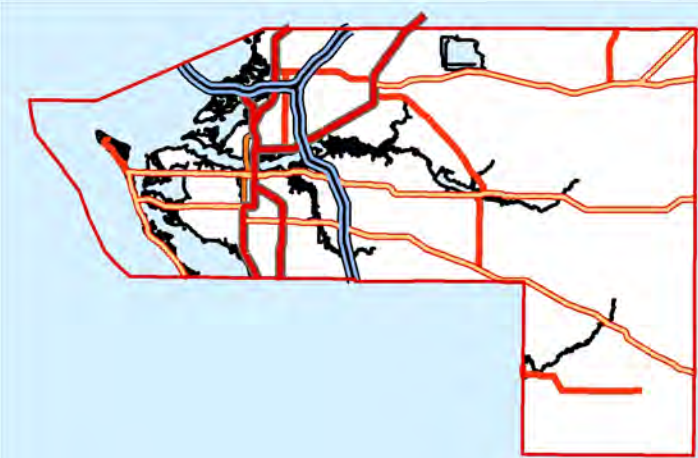
	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,122,000
Rates	650,000
<b>Total Funding:</b>	<b>1,772,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Potable Water Line Extensions &amp; Participation Agreements</b>
<b>Potable Water Distribution</b>	<b>PW01220</b>	
Status: Existing Initial Year: 2015 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Participate in development of the potable water transmission system infrastructure by oversizing any component to the system to increase capacity above required for a particular development or project when such increase in size supports the Master Plan for system capacity.	
<b>Rationale</b>	
It is more effective to increase the size of potable water infrastructure as it is being developed, rather than replacing it with a larger capacity system. The systems will be sized to serve the planned customer population.	
<b>Funding Strategy</b>	
Facility Investment Fees - Water	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/21	0	0	0	0	0	100,000	100,000	0	200,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	0	0	100,000	100,000	0	200,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Facility Investment Fees	200,000
<b>Total Funding:</b>	<b>200,000</b>

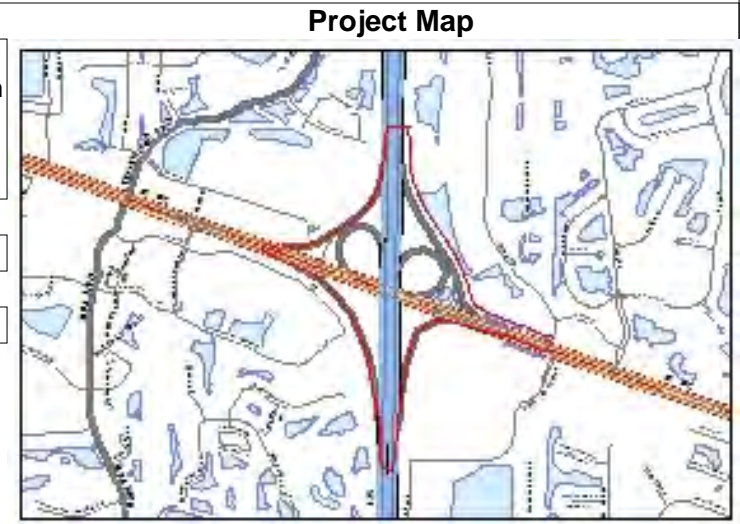


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>SR70-I-75 Interchange Water Main &amp; Facility Relocations</b>
<b>Potable Water Distribution</b>	<b>6053671</b>	
Status: Existing Initial Year: 2016 District 5 Location: SR 70 - I-75 Interchange, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Relocate existing potable water mains and facilities along SR70 at the I-75 interchange. Add 12" water main at Ranch Lake Boulevard for future looping of water main to improve distribution system and bypass existing private water main system. Relocations include the addition of protective concrete pads over mains, addition of split steel casings around water transmission mains, and relocation and/or extensions of water lines to right-of-way lines for future extensions.



**Rationale**

Utility relocations are part of the FDOT SR70 - I-75 Interchange Improvement project.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	04/18/16	12/31/21	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/20	12/31/22	0	71,000	0	0	0	520,814	0	0	591,814
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	04/18/16	12/31/22	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	71,000	0	0	0	520,814	0	0	591,814

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	71,000
Rates	520,814
<b>Total Funding:</b>	<b>591,814</b>

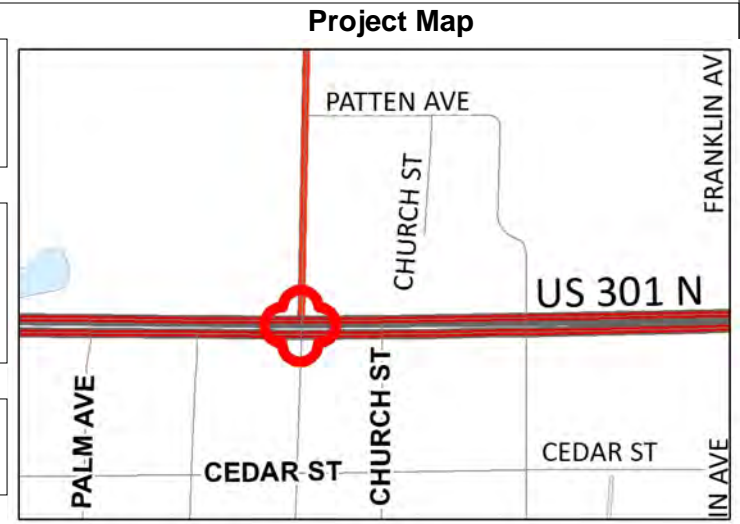


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>US 301 at Ellenton Gillette Road</b>
<b>Potable Water Distribution</b>	<b>6035171</b>	
Status: Existing Initial Year: 2014 District 2 Location: US 301-Ellenton Gillette Road, Ellenton		
<b>Comprehensive Plan Information</b>		Project Mgr:
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Maintenance</b>		

**Scope**

Replace existing water line as part of existing CIP project - US301 at Ellenton Gillette Road Intersection Improvements.



**Rationale**

The water line under the roadway is close to the end of its useful life and in need of replacement. The replacement will coincide with roadway construction.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/10	09/30/14	5,506	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/17	0	230,000	0	0	0	0	0	0	230,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/10	12/31/17	264	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>5,770</b>	<b>230,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>230,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	230,000
<b>Total Funding:</b>	<b>230,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Whitfield Avenue / Lockwood Ridge to Prospect - 16 Inch</b>
<b>Potable Water Distribution</b>	<b>6040970</b>	<b>Water</b>
Status: Existing Initial Year: 2013 District 5 Location: Whitfield Avenue-Lockwood Ridge-Prospect		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference: _____ Project Need: <b>Maintenance</b>

**Scope**

Installation of a 16 inch water main.



**Rationale**

Project was identified in the Water Distribution Model and Study and is required to maintain the fireflow and overall system pressure.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	09/30/14	152,231	480,000	0	0	0	0	0	0	480,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/15	12/31/16	669,823	2,500,000	0	0	0	0	0	0	2,500,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	58,740	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>880,793</b>	<b>2,980,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,980,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,980,000
<b>Total Funding:</b>	<b>2,980,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>45th Street East - Water Main Lowering</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01403</b>	
Status: Requested Initial Year: 2017 District 3 Location: 45th Street East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>Yes</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

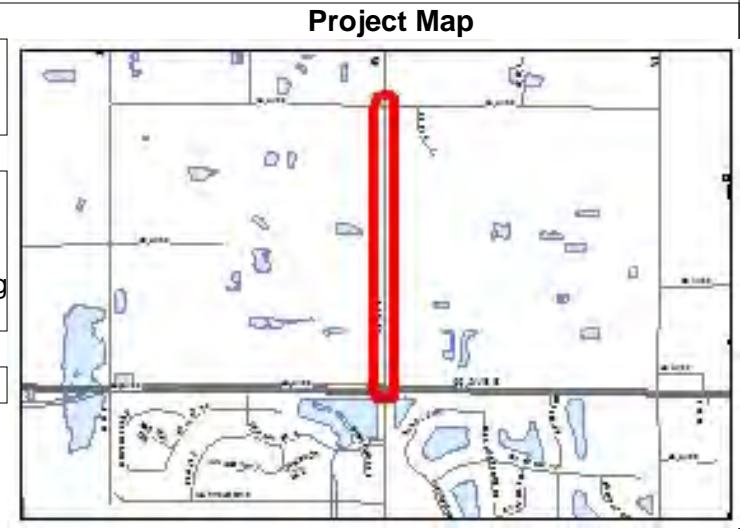
Install approximately 2,400 linear feet of 8" HDPE water main and 300 linear feet of 6" water main, three fire hydrants, six 6" gate valves, nine services, and one blowoff. Services and valves will be installed to county and Ten State Standards.

**Rationale**

Install water main line to proper depth to meet Utilities Standards and for protection and fire flow. Existing water main has a shallow depth and is 50 years old. There is an increased threat of breakage and there is less resistance to external and internal forces due to pipe material being brittle. Pressure surges from nearby Elwood I Booster Pump Station and water hammer are making issues worse.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/20	09/30/21	0	0	0	0	0	0	59,800	0	59,800
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/21	12/31/22	0	0	0	0	0	0	0	328,600	328,600
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/20	12/31/22	0	0	0	0	0	0	3,000	63,000	66,000
<b>Totals:</b>			0	0	0	0	0	0	62,800	391,600	454,400

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					Rates	454,400
Non-Personal:					Total Funding:	454,400
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>64th Avenue, 65th Avenue Drive, Winter Garden Drive</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01212</b>	
Status: Existing Initial Year: 2019 District 4 Location: 64th Ave, 65th Ave Dr, Winter Garden Dr, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Replace existing water main on easements and relocate to front of property. Install approximately 6,000 linear feet of 6 inch water main and install/replace four fire hydrants, 11 gate valves and other services to county and Ten State Standards.	
<b>Rationale</b>	
End of service life replacement, will increase water quality and fire protection.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	09/30/19	0	0	0	0	171,000	0	0	0	171,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/20	0	0	0	0	0	941,050	0	0	941,050
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/20	0	0	0	0	8,600	188,000	0	0	196,600
<b>Totals:</b>			0	0	0	0	179,600	1,129,050	0	0	1,308,650

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	1,308,650
<b>Total Funding:</b>	<b>1,308,650</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>69th Avenue Water Main Loop from 63rd Avenue West to US 41</b>
<b>Potable Water Renewal/Replacement</b>	<b>6078070</b>	

Status: Existing Initial Year: 2014 District 4 Location: 5th St-63rd Ave W-US 41-69th Ave, Bradenton

**Comprehensive Plan Information**

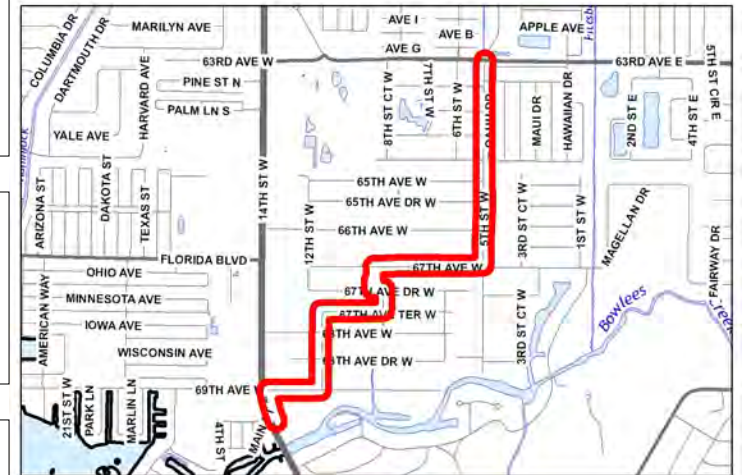
Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Replacement of aged (1965) failing pipe with approximately 6,600 feet of 12 inch water main, fire hydrants, 6 inch gates valves, and 12 x 6 tee services interconnecting between 63rd Avenue East to US 41. Hydrants, services and valves will be installed to county and Ten State Standards.

**Project Map**



**Rationale**

The existing lines have aged and are in poor condition. Access and fire protection are limited and water quality suffers.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	09/30/16	54,325	196,000	0	0	0	0	0	0	196,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/17	0	1,121,000	0	0	0	0	0	0	1,121,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	16,280	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>70,605</b>	<b>1,317,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,317,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,317,000
<b>Total Funding:</b>	<b>1,317,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Anna Maria Water Line Improvements</b>
<b>Potable Water Renewal/Replacement</b>	<b>6002870</b>	
Status: Existing Initial Year: 2002 District 3 Location: Anna Maria Island		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Sherri Robinson</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Replacement of 2 inch and 3 inch galvanized pipe and 4 inch and 6 inch unlined cast iron pipe with 6 inch or 8 inch poly vinyl chloride (PVC) pipe and appurtenances.



**Rationale**

Upgrade of the existing water system.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/09	12/31/21	78,028	115,373	35,000	35,000	35,000	35,000	35,000	0	290,373
Land:	10/01/09	12/31/21	450	18,417	0	0	0	0	0	0	18,417
Construction:	10/01/09	12/31/21	1,910,413	2,787,164	215,000	215,000	215,000	215,000	215,000	0	3,862,164
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/09	12/31/21	1,049,686	887,698	0	0	0	0	0	0	887,698
<b>Totals:</b>			<b>3,038,577</b>	<b>3,808,652</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>250,000</b>	<b>0</b>	<b>5,058,652</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					All Prior Funding	3,808,652
Non-Personal:					Rates	1,250,000
Operating Capital:					<b>Total Funding:</b>	<b>5,058,652</b>
Operating Total:						
No. of Positions:	0	0	0	0		

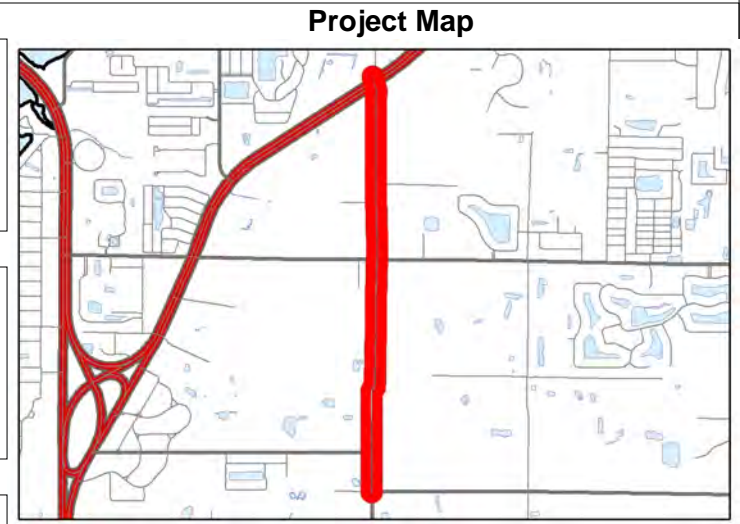


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Canal Road Water Main Replacement</b>
<b>Potable Water Renewal/Replacement</b>	<b>6067370</b>	
Status: Existing Initial Year: 2014 District 2 Location: Canal Road-Mendoza-US 41, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference: _____ Project Need: <b>Maintenance</b>

**Scope**

Replace approximately 6,800 feet of existing 16 inch poly vinyl chloride (PVC) with 16 inch ductile iron pipe water main.



**Rationale**

The current PVC lines have had excessive failures. Hydrant, services and valves will be installed to county and Ten State Standards.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	12/31/15	107,810	244,000	0	0	0	0	0	0	244,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/16	03/31/17	136,014	2,386,000	0	0	0	0	0	0	2,386,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	03/31/17	4,216	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>248,040</b>	<b>2,630,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,630,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,630,000
<b>Total Funding:</b>	<b>2,630,000</b>

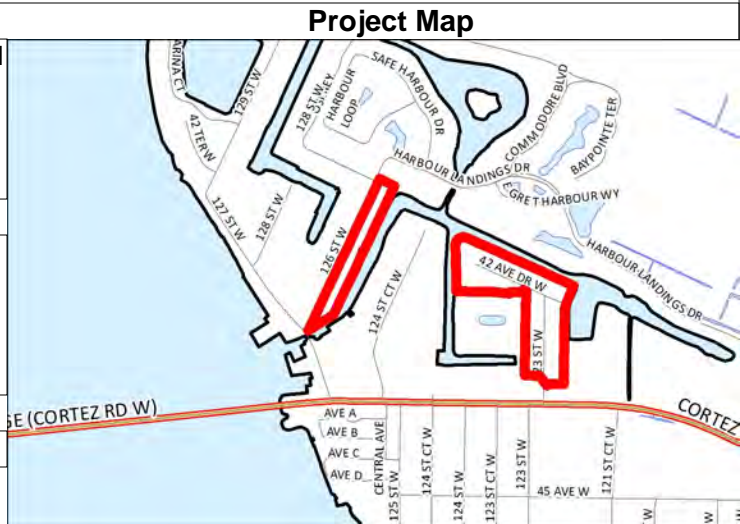


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Ciprianis Subdivision 1st and 2nd</b>
<b>Potable Water Renewal/Replacement</b>	<b>6088870</b>	
Status: Existing Initial Year: 2017 District 3 Location: Cipriani's Subdivision, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replace approximately 1,000 linear feet of existing 2 inch main, one fire hydrant, 3 gate valves, and 10 replaced services to county and Ten State Standards.



**Rationale**

End of service life replacement, will increase water quality and add fire protection.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	03/31/17	0	0	41,000	0	0	0	0	0	41,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/17	09/30/17	0	0	225,200	0	0	0	0	0	225,200
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	09/30/17	0	0	47,000	0	0	0	0	0	47,000
<b>Totals:</b>			0	0	313,200	0	0	0	0	0	313,200

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	313,200
<b>Total Funding:</b>	<b>313,200</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Cortez Gardens</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01214</b>	
Status: Existing Initial Year: 2019 District 3 Location: 62nd St W-40th Ave W, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		
Project Need: <b>Maintenance</b>		

<b>Scope</b>	<b>Project Map</b>
Replace approximately 2,000 linear feet of 2 inch and 4 inch water mains mostly on easements with poor access and limited fire protection with 6 inch water mains and 42 new services installed from main to meter. Meters will be relocated to front right-of-way with six valves, three fire hydrants, and eliminate mains on easements. All items will be installed to county and Ten State Standards.	
<b>Rationale</b>	
Increase water quality and fire protection.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	12/31/19	0	0	0	0	54,520	0	0	0	54,520
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/19	12/31/19	0	0	0	0	299,860	0	0	0	299,860
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/19	0	0	0	0	60,000	0	0	0	60,000
<b>Totals:</b>			0	0	0	0	414,380	0	0	0	414,380

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	414,380
<b>Total Funding:</b>	<b>414,380</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>DeSoto Memorial Highway</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01215</b>	
Status: Existing Initial Year: 2019 District 3 Location: 75th St NW-79th St NW-83rd St NW, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference: _____ Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
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Replace approximately 2,000 feet of 6 inch water main, with 3 fire hydrants, 5 gate valves, and 11 replaced services. All items installed to county and Ten State Standards.



**Rationale**

End of life service replacement, and increase water quality and fire protection.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	03/31/18	0	0	0	40,440	0	0	0	0	40,440
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/18	12/31/18	0	0	0	221,500	0	0	0	0	221,500
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/18	0	0	0	46,000	0	0	0	0	46,000
<b>Totals:</b>			0	0	0	307,940	0	0	0	0	307,940

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

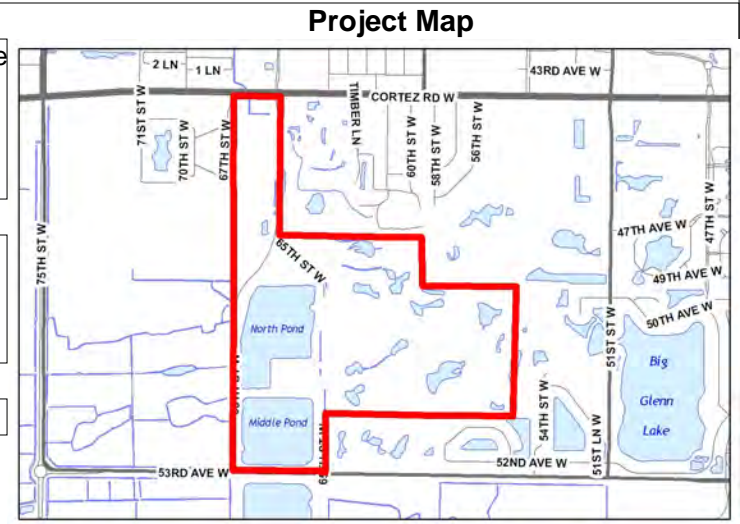
<b>Means of Financing</b>	
Funding Sources	Amount
Rates	307,940
<b>Total Funding:</b>	<b>307,940</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Distribution Building / Annex Rehab (66th Street Complex)</b>
<b>Potable Water Renewal/Replacement</b>	<b>6019208</b>	
Status: Existing Initial Year: 2012 District 3 Location: 66th Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Demolition of two existing buildings and construction of a new 17,000 square foot building to include a work/storage shop.



**Rationale**

Existing structure has outlasted its expected life use and has become a maintenance issue. The new 17,000 square foot building will replace two existing buildings currently used by the Utility Distribution section. No Southwest Florida Water Management District issues are anticipated, as the county will be matching the existing square feet for pervious versus impervious surface.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	09/30/13	402,301	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/16	10,212	2,500,000	0	0	0	0	0	0	2,500,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	12/31/16	39,032	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>451,545</b>	<b>2,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,500,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,500,000
<b>Total Funding:</b>	<b>2,500,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Elwood I Booster Pump Station, Pump 1,6,7 Replacement</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01209</b>	
Status: Existing Initial Year: 2019 District 2 Location: 4825 44th Avenue East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
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Replace pumps #1, #6, #7, replace associated valves and piping, and replace/upgrade motor control center as needed.



<b>Rationale</b>
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Pumps were installed in 1966 and have a fifty year predicted service life.

<b>Funding Strategy</b>
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Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	09/30/19	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/20	0	0	0	0	380,000	0	0	0	380,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/20	0	0	0	0	76,000	0	0	0	76,000
<b>Totals:</b>			0	0	0	0	456,000	0	0	0	456,000

**Operating Budget Impacts**

	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	456,000
<b>Total Funding:</b>	<b>456,000</b>

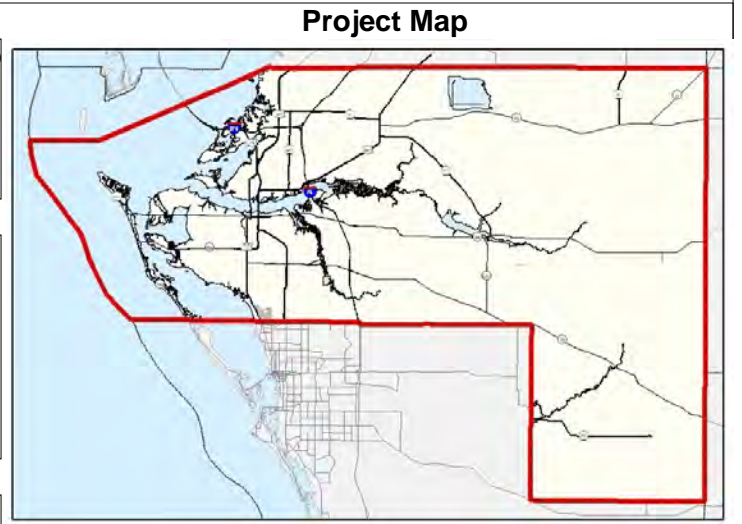


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>End of Service Life Distribution Line Replacement</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01110</b>	
Status: Existing Initial Year: 2014 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replace older, failing or targeted distribution system lines based on age and predicted service life to be determined by the 2012 Distribution System Master Plan, subsequent KANEW (database software) model runs and field investigations.



**Rationale**

Utilities will use the model results from the KANEW analysis that Utility Engineering performed in conjunction with the Distribution Master Plan. The KANEW analysis predicts when pipe elements will reach the end of their service lives based on life-expectancy parameters, and identifies those lines that should be replaced, before they fail.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/19	0	0	0	55,950	60,000	0	0	0	115,950
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/21	0	0	0	0	0	698,154	3,319,900	0	4,018,054
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	55,950	60,000	698,154	3,319,900	0	4,134,004

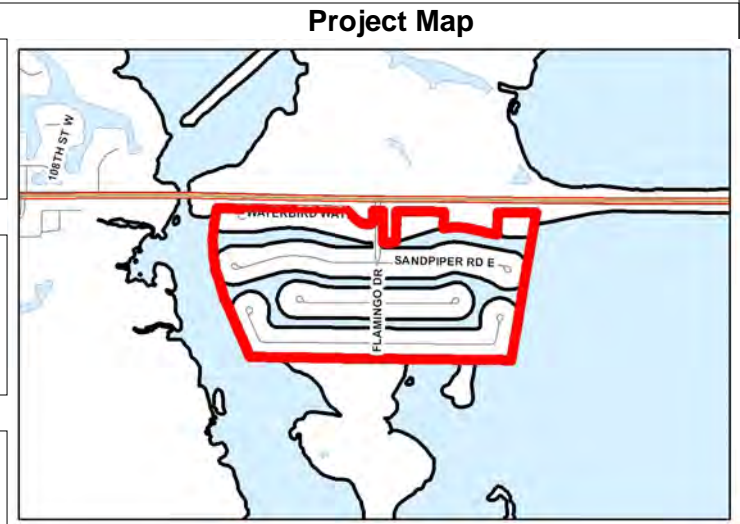
<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					Rates	4,134,004
Non-Personal:					Total Funding:	4,134,004
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Flamingo Cay Water Main Replacement</b>
<b>Potable Water Renewal/Replacement</b>	<b>6088970</b>	
Status: Existing Initial Year: 2014 District 3 Location: Manatee Ave & Flamingo Cay Dr W, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Construction of 6 and 8 inch water mains to replace the 2, 3, 4, and 6 inch water mains that are currently asbestos cement or galvanized iron. This includes approximately 10,000 feet of water main, fire hydrants, gate valves and services. Hydrants, services and valves will be installed to county and Ten State Standards.



**Rationale**

This upgrade would provide fire protection and increased water pressure to the development.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	09/30/17	0	0	247,375	0	0	0	0	0	247,375
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/19	0	0	0	2,473,750	0	0	0	0	2,473,750
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/19	0	0	14,842	494,750	0	0	0	0	509,592
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>262,217</b>	<b>2,968,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,230,717</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:						
Operating Capital:						
Operating Total:						
No.of Positions:	0	0	0	0	Rates	3,230,717
					Total Funding:	3,230,717

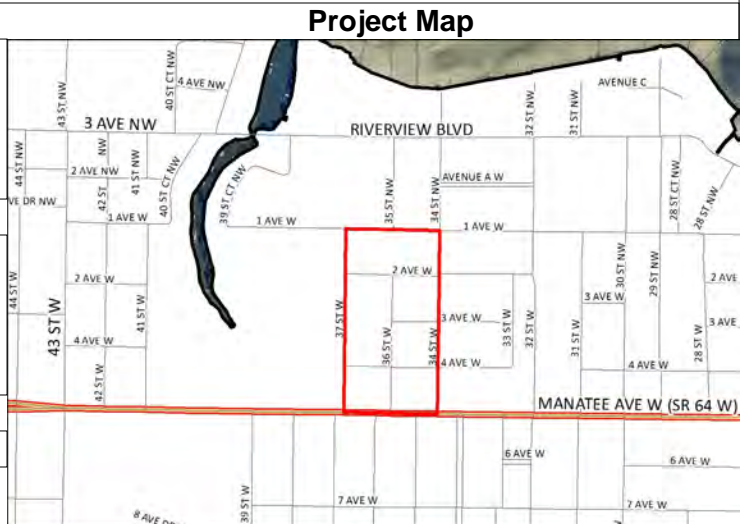


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Fogarty's Subdivision</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01216</b>	
Status: Existing Initial Year: 2017 District 2 Location: Fogarty's Subdivision, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		
Project Need: <b>Maintenance</b>		

**Scope**

Replace approximately 4,500 feet of existing 2 and 6 inch water mains that are asbestos cement or galvanized iron, along with fire hydrants, gate valves and replaced services. All items installed to county and Ten State Standards.



**Rationale**

Improve water quality and add fire protection.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	09/30/19	0	0	0	0	123,100	0	0	0	123,100
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	09/30/20	0	0	0	0	0	677,200	0	0	677,200
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	09/30/20	0	0	0	0	6,000	136,000	0	0	142,000
<b>Totals:</b>			0	0	0	0	129,100	813,200	0	0	942,300

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

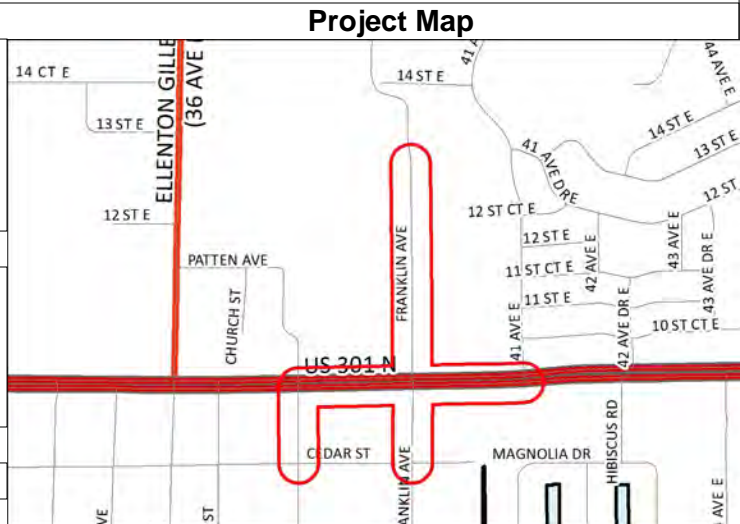
Funding Sources	Amount
Rates	942,300
<b>Total Funding:</b>	<b>942,300</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Franklin Avenue &amp; US 301 N Loop</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01217</b>	
Status: Existing Initial Year: 2018 District 2 Location: Franklin Avenue & US 301 N, Ellenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		
Project Need: <b>Maintenance</b>		

**Scope**

Install approximately 2,400 linear feet of 6 inch water main to complete a "looped" system, and 400 feet of 2 inch water main to remove off of private property. All items done to county and Ten State Standards.



**Rationale**

Increased water quality and fire protection.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	03/31/18	0	0	0	55,840	0	0	0	0	55,840
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/18	03/31/19	0	0	0	307,120	0	0	0	0	307,120
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	03/31/19	0	0	0	61,000	0	0	0	0	61,000
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>423,960</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>423,960</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

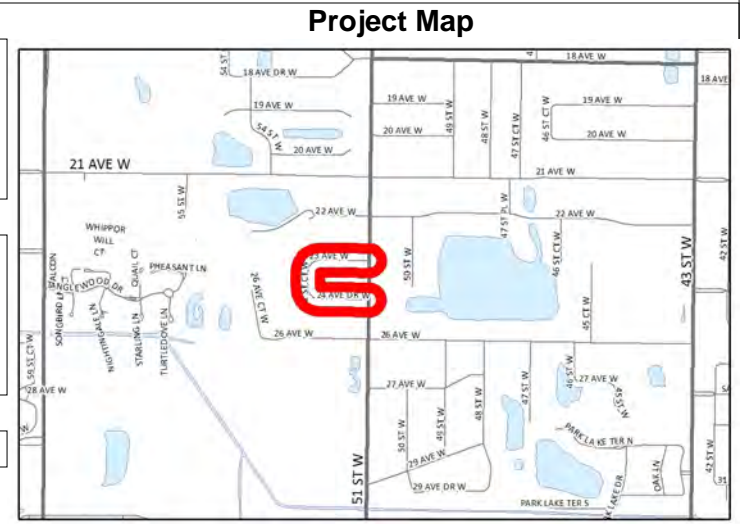
Funding Sources	Amount
Rates	423,960
<b>Total Funding:</b>	<b>423,960</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Grove Haven Subdivision - Water</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01106</b>	
Status: Existing Initial Year: 2014 District 3 Location: 52nd St-52nd Ct W-23rd Ave-24th Ave Dr W, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		
Project Need: <b>Maintenance</b>		

**Scope**

Complete a looped system with 1,300 linear feet of existing 2 inch water main. Hydrants, services and valves should be installed to county and Ten State Standards.



**Rationale**

To provide fire protection and increase water quality to Grove Haven Subdivision.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	03/31/19	0	0	0	0	23,000	0	0	0	23,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/19	12/31/19	0	0	0	0	130,200	0	0	0	130,200
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/19	0	0	0	0	27,190	0	0	0	27,190
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>180,390</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>180,390</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	180,390
<b>Total Funding:</b>	<b>180,390</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Harbor Hills</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01348</b>	
Status: Existing Initial Year: 2019 District 3 Location: Hill Crest Drive-Harbor Rd-Park Dr-Fontana Lane, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replace approximately 7,000 linear feet of 4" water main from easement to the right-of-way, including upsizing existing pipe for water quality and to add fire protection. Water main/pipes will be replaced with 6", and include 7 fire hydrants, three gate valves, and over 85 services. Services and valves to be installed to county and Ten State Standards.



**Rationale**

Provide adequate water quality and add fire protection for safety.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	83,321	0	0	83,321
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	833,000	0	833,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	41,679	166,600	0	208,279
<b>Totals:</b>			0	0	0	0	0	125,000	999,600	0	1,124,600

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	1,124,600
<b>Total Funding:</b>	<b>1,124,600</b>





**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Palma Sola Subdivision Water Line Improvements</b>
<b>Potable Water Renewal/Replacement</b>	<b>6053370</b>	
Status: Existing Initial Year: 2005 District 3 Location: Palma Sola Park Blvd-75th Street W-Alhambra Drive, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Sherri Robinson</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Phased replacement of approximately 31,000 linear feet of existing 3, 4 and 6 inch water lines with new 6 inch water lines and 8 inch water mains.

**Rationale**

To enhance fire protection. In addition, many lines are being relocated from rear lot lines to the front right of way. Existing lines are mostly asbestos cement and are located in easements with very little fire protection.

**Funding Strategy**

Utility Rates  
Debt Proceeds

**Project Map**



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/04	09/30/14	103,737	113,000	30,000	30,000	30,000	30,000	0	0	233,000
Land:	10/01/04	06/01/05	1,281	0	0	0	0	0	0	0	0
Construction:	06/01/05	12/31/21	1,507,771	2,192,889	170,000	170,000	170,000	170,000	0	0	2,872,889
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/04	12/31/21	1,230,736	769,340	0	0	0	0	0	0	769,340
<b>Totals:</b>			<b>2,843,525</b>	<b>3,075,229</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>3,875,229</b>

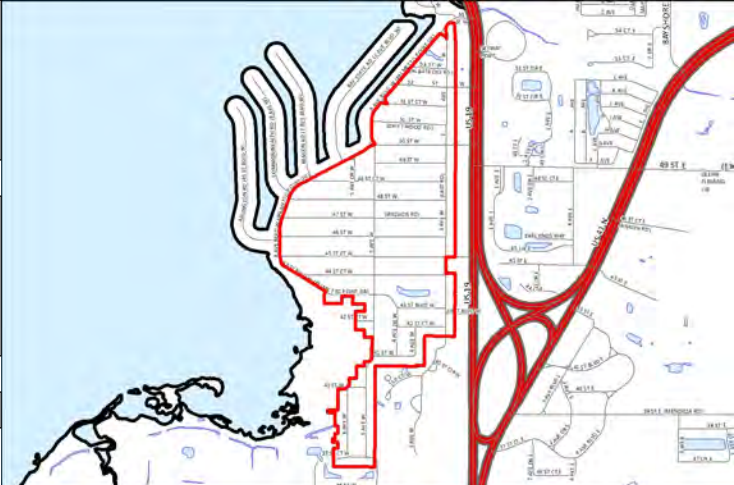
**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	3,075,229
Rates	800,000
<b>Total Funding:</b>	<b>3,875,229</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Palmetto Point Water Main Replacement</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01218</b>	
Status: Existing Initial Year: 2018 District 1 Location: Palmetto Point		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Replace approximately 28,000 linear feet of 3, 4, and 6 inch water mains, in addition to hydrants, valves and services. All items installed to county and Ten State Standards.	
<b>Rationale</b>	
Increase water quality and fire protection.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	762,700	0	0	0	0	762,700
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/20	0	0	0	0	3,626,700	4,000,000	0	0	7,626,700
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/20	0	0	0	38,000	362,670	400,000	0	0	800,670
<b>Totals:</b>			0	0	0	800,700	3,989,370	4,400,000	0	0	9,190,070

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	9,190,070
<b>Total Funding:</b>	<b>9,190,070</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Paradise Bay - Battersby Sub Fire Flow Improvement</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01404</b>	

Status: Requested Initial Year: 2020 District 3 Location: Paradise Bay, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Install approximately 100 feet of 10" water main in casing, 10" x 20" tap valves, 10" x 6" x 6" tees, casings, plug valves and grout existing 6" across Cortez Road and cap 6" at hydrant heading north. All items will be installed to county and Ten State Standards.

**Project Map**



**Rationale**

Improve fire flow for 106th Street West and Paradise Bay Mobile Home Park and eliminate vulnerability by providing a casing under the State road.

**Funding Strategy**

Utility Rates

**Schedule of Activities**

**Programmed Funding**

Activity	From	To	Expended to Date	Prior Year Approp.	Programmed Funding					Future	Appropriated to Date
					FY2017	FY2018	FY2019	FY2020	FY2021		
Design:	10/01/19	03/31/20	0	0	0	0	0	23,218	0	0	23,218
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/20	12/31/20	0	0	0	0	0	85,135	0	0	85,135
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/20	0	0	0	0	0	19,000	0	0	19,000
<b>Totals:</b>			0	0	0	0	0	127,353	0	0	127,353

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

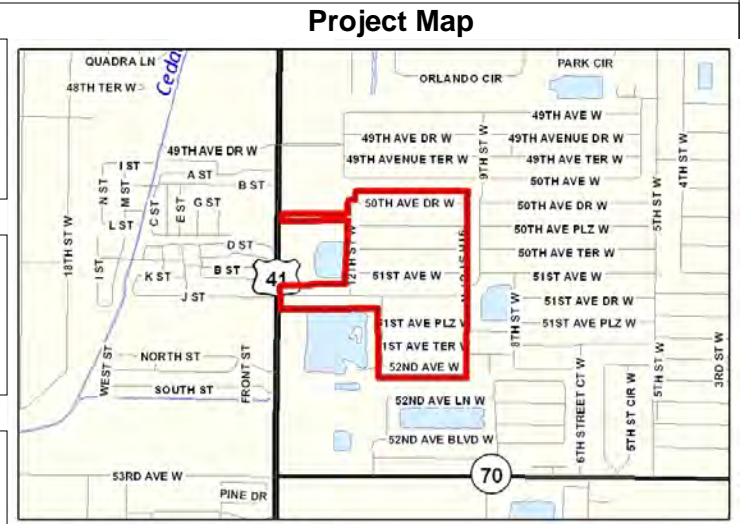
Funding Sources	Amount
Rates	127,353
<b>Total Funding:</b>	<b>127,353</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Pic Town Estates - Water Phase I</b>
<b>Potable Water Renewal/Replacement</b>	<b>6074870</b>	
Status: Existing Initial Year: 2009 District 4 Location: Orlando Ave-52nd Ave W-9th St W-14th St W, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Maintenance</b>		

**Scope**

Design and construction of 8,200 linear feet of 6 inch and 3,650 linear feet of 8 inch water mains to replace existing water mains.



**Rationale**

Current potable water system is deteriorated, under sized and has inadequate fire protection and is located within an existing easement where maintenance accessibility is limited.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	03/01/09	09/30/14	241,084	610,000	0	0	0	0	0	0	610,000
Land:	03/01/09	09/30/14	750	0	0	0	0	0	0	0	0
Construction:	06/30/16	06/30/17	658,281	1,073,750	0	0	0	0	0	0	1,073,750
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	03/01/09	06/30/17	81,377	126,371	0	0	0	0	0	0	126,371
<b>Totals:</b>			<b>981,491</b>	<b>1,810,121</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,810,121</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

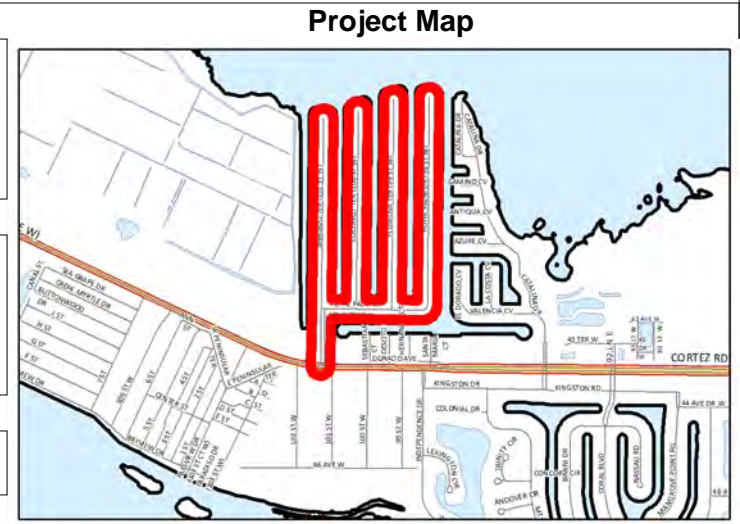
Funding Sources	Amount
All Prior Funding	1,810,121
<b>Total Funding:</b>	<b>1,810,121</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>San Remo Shores - Water</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01104</b>	
Status: Existing Initial Year: 2014 District 3 Location: Cortez Rd-Palma Sola Bay-Bamboo Terrace-Royal Palm Dr, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replacement of 10,000 linear feet of 6 inch and 8 inch water main. Hydrants, services and valves will be installed to county and Ten State Standards.



**Rationale**

To provide fire protection and increased water pressure to the San Remo development.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	254,820	0	0	0	0	254,820
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/19	0	0	0	0	2,548,200	0	0	0	2,548,200
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/18	0	0	0	50,964	509,640	0	0	0	560,604
<b>Totals:</b>			0	0	0	305,784	3,057,840	0	0	0	3,363,624

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	3,363,624
<b>Total Funding:</b>	<b>3,363,624</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Suburban System - Water</b>
<b>Potable Water Renewal/Replacement</b>	<b>6074770</b>	
Status: Existing Initial Year: 2009 District 4 Location: 58th Ave W-53rd Ave W-26th St W-14th St W, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Design and construction to replace existing 2, 3 and 6 inch water mains with approximately 38,000 linear feet of 6 inch water main and 10,000 linear feet of 8 inch water main.



**Rationale**

Replacement of the aged water mains will improve fire protection and increase distribution pressure to the existing development, eliminate rear water line easements for some of the existing properties, and provide service access from the road right-of-way.

**Funding Strategy**

Utility Rates  
Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	11/01/13	01/31/17	429,806	273,616	0	0	0	0	0	0	273,616
Land:	11/01/13	09/30/16	2,100	50,000	0	0	0	0	0	0	50,000
Construction:	10/01/16	09/30/17	3,410,207	3,639,570	0	0	0	0	0	0	3,639,570
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	11/01/13	09/30/17	320,754	240,138	0	0	0	0	0	0	240,138
<b>Totals:</b>			<b>4,162,867</b>	<b>4,203,324</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,203,324</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	4,203,324
<b>Total Funding:</b>	<b>4,203,324</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Tangelo Park</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01219</b>	
Status: Existing Initial Year: 2018 District 4 Location: 14th St W-5th St W-Cortez Plaza-Fairlane Acres		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		
Project Need: <b>Maintenance</b>		

<b>Scope</b>	<b>Project Map</b>
Replace approximately 11,500 linear feet of 3, 4, and 6 inch water mains, 17 fire hydrants, 19 valves, and 188 services with 6 inch mains and new services installed from main to meter and meters relocated to front right-of-way. The water mains will tie together at 14th Street and Orlando Avenue. All installations will be to county and Ten State Standards.	
<b>Rationale</b>	
Improve access, water quality and fire protection.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	266,300	0	0	266,300
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	1,465,000	0	1,465,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	14,000	293,000	0	307,000
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>280,300</b>	<b>1,758,000</b>	<b>0</b>	<b>2,038,300</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>		
Personal:					<b>Funding Sources</b>	
Non-Personal:					<b>Amount</b>	
Operating Capital:					Rates	
Operating Total:					Total Funding:	
No.of Positions:	0	0	0	0	2,038,300	
					2,038,300	



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>US41 Manatee River Crossing Water Main Replacement</b>
<b>Potable Water Renewal/Replacement</b>	<b>PW01023</b>	

Status: Existing Initial Year: 2014 District 2 Location: US 41-DeSoto Bridge

**Comprehensive Plan Information**

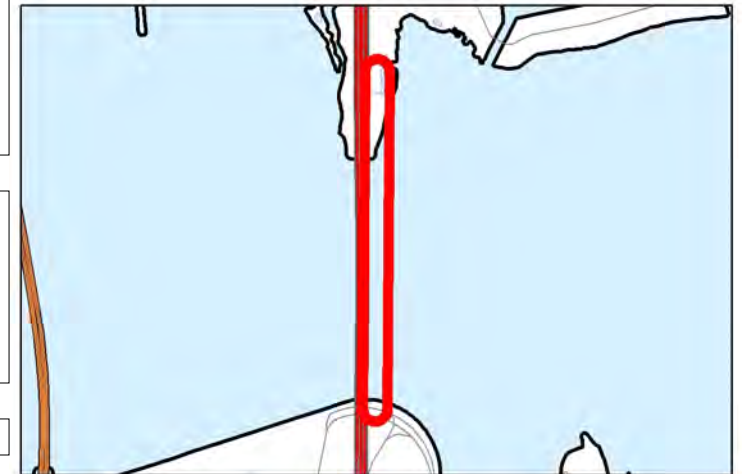
Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Replace existing 16 inch water main. Directional bore of 2,800 feet with two in-line valves. Hydrants, services and valves will be installed to county and Ten State Standards.

**Project Map**



**Rationale**

The 30 plus year old main is laying on the riverbed across the Manatee River and is vulnerable in its current location from boat anchors and tide erosion. Annual inspections show a continued deterioration of the external walls of the main.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	130,400	0	0	130,400
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/22	0	0	0	0	0	0	1,304,400	0	1,304,400
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/22	0	0	0	0	0	62,600	260,880	0	323,480
<b>Totals:</b>			0	0	0	0	0	193,000	1,565,280	0	1,758,280

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	1,758,280
<b>Total Funding:</b>	<b>1,758,280</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Utilities Maintenance Management System Replacement</b>
<b>Potable Water Renewal/Replacement</b>	<b>6089000</b>	

Status: Requested Initial Year: 2017 Countywide Location: 4410 66th St. West, Bradenton

**Comprehensive Plan Information**

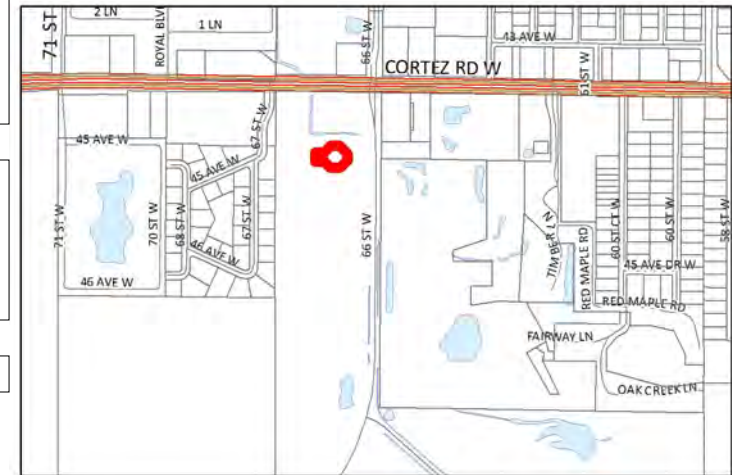
Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Replace current computerized maintenance management system.

**Project Map**



**Rationale**

The current work order and inventory management system was developed in-house more than 10 years ago and is in need of replacement. A new software package will provide a more comprehensive system with additional functionality, including maintenance management, asset inventory & management, work orders, service requests, parts & material inventory, and work planning/scheduling.

**Funding Strategy**

Utility Rates

**Schedule of Activities**

**Programmed Funding**

Activity	From	To	Expended to Date	Prior Year Approp.	Programmed Funding					Future	Appropriated to Date
					FY2017	FY2018	FY2019	FY2020	FY2021		
Design:	01/01/16	09/30/16	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/17	0	0	3,000,000	0	0	0	0	0	3,000,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/16	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	3,000,000	0	0	0	0	0	3,000,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	3,000,000
<b>Total Funding:</b>	<b>3,000,000</b>

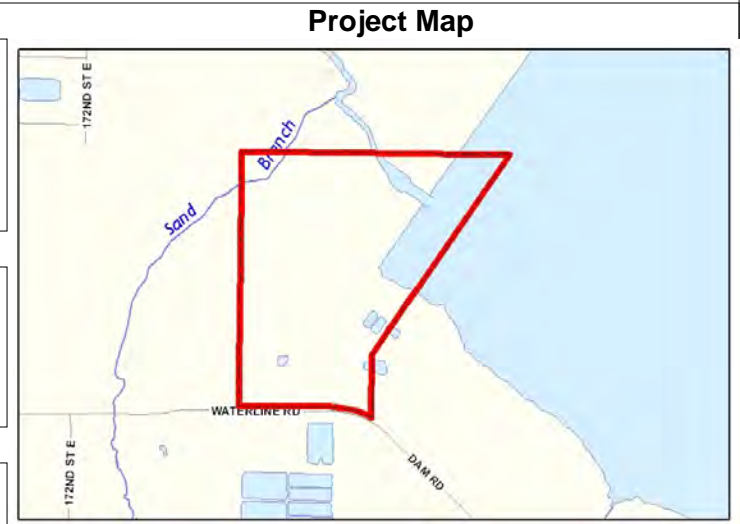


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Water Facility - Tainter Gates - Water</b>
<b>Potable Water Renewal/Replacement</b>	<b>6026073</b>	
Status: Existing Initial Year: 2009 District 1 Location: Water Facility - Waterline Road		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Repairs to the three tainter gates including repair voids under seal plates, structural upgrades, and repair of coating. Repairs to the surface of submerged concrete surfaces of spillway. Repairs to stop-log, new stop-log and storage support system to scoured areas, and repairs to sheet pile retaining wall.



**Rationale**

The three tainter gates are critical to controlling water levels in Lake Manatee. Periodic maintenance to gates and spillway are essential to gate/spillway operations.

**Funding Strategy**

Utility Rates  
Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/08	06/30/10	1,195,080	2,137,458	0	0	0	0	0	0	2,137,458
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/10	12/31/16	6,152,400	5,561,983	0	0	0	0	0	0	5,561,983
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/08	12/31/16	523,991	183,500	0	0	0	0	0	0	183,500
<b>Totals:</b>			<b>7,871,471</b>	<b>7,882,941</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,882,941</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	7,882,941
<b>Total Funding:</b>	<b>7,882,941</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Willow Woods and Lakes Estates Water Main Upgrade</b>
<b>Potable Water Renewal/Replacement</b>	<b>6089170</b>	
Status: Existing Initial Year: 2014 District 3 Location: 21st Ave W-26th Ave W-43rd St W-51st St W, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

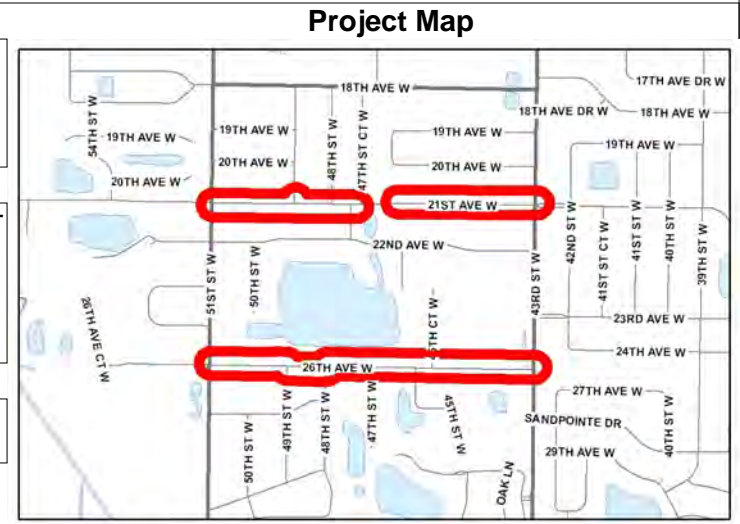
Upgrade water main with a looped system and inline isolation valves to the adjacent streets for a total of approximately 4,700 feet of 6 inch water main, valves and fire hydrants. Hydrants and valves will be installed to county and Ten State Standards.

**Rationale**

The inline valves at the identified locations will allow isolation of problem areas and affect a smaller number of customers in the event of maintenance or main breaks. These inline valves are to be installed on existing 6 inch mains that tie into a 16 inch main.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	06/30/17	0	0	96,400	0	0	0	0	0	96,400
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/17	06/30/18	0	0	530,200	0	0	0	0	0	530,200
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	06/30/18	0	0	110,860	0	0	0	0	0	110,860
<b>Totals:</b>			0	0	737,460	0	0	0	0	0	737,460

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	737,460
<b>Total Funding:</b>	<b>737,460</b>

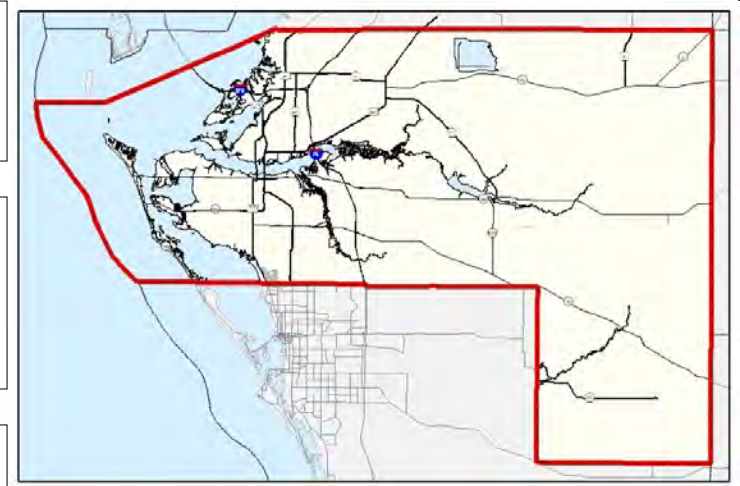
**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Downstream Floodway Land Acquisition</b>
<b>Potable Water Supply</b>	<b>6021672</b>	
Status: Existing Initial Year: 2002 District 1 Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Sherri Robinson</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Purchase land subject to recurring flooding within the Manatee River Floodway.

**Project Map**



**Rationale**

To relieve residents who live in the downstream area of recurring flooding conditions by purchasing properties and facilitating relocation.

**Funding Strategy**

Debt Proceeds  
 Utility Rates  
 Facility Investment Fees - Water

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	06/01/02	12/31/21	27,041	68,000	0	0	0	0	0	0	68,000
Land:	06/01/02	12/31/21	1,681,546	1,460,636	100,000	100,000	100,000	100,000	100,000	0	1,960,636
Construction:			4,290	202,000	0	0	0	0	0	0	202,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	06/01/02	12/31/21	94,614	468,504	0	0	0	0	0	0	468,504
<b>Totals:</b>			<b>1,807,491</b>	<b>2,199,140</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>2,699,140</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	2,199,140
Facility Investment Fees	500,000
<b>Total Funding:</b>	<b>2,699,140</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Lake Manatee Dam Repairs</b>
<b>Potable Water Supply</b>	<b>6026075</b>	

Status: Existing Initial Year: 2014 District 1 Location: Dam Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

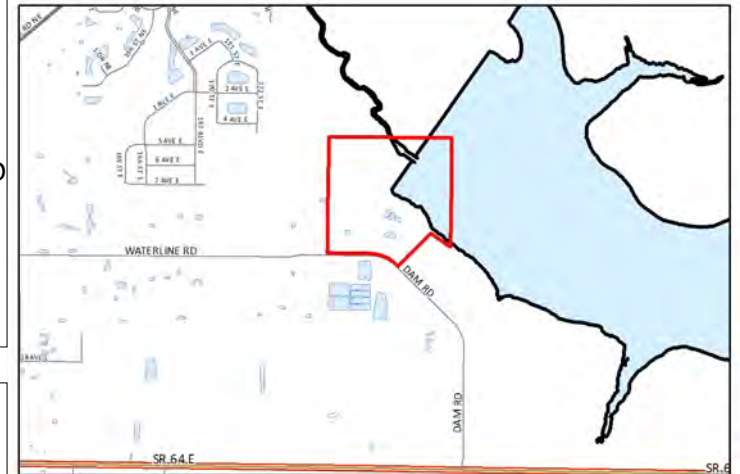
CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Deficiency**

**Scope**

Phase I - Reestablishment of seepage control of dam core requiring 300 linear feet of jet grout columns and 3,100 linear feet of Trench Remixing Deep (TRD) cut off wall to depths between 95 and 105 feet below dam crest as per plans. Jet grout section will extend south from primary spillway 80 linear feet and north from primary spillway 100 linear feet and will be installed beneath the flooded spillway approach apron. TRD wall will extend 1,050 linear feet south from southern end of jet grout wall and 2,050 linear feet north from northern end of jet grout wall. Installation of TRD wall will require construction of work platform along dam crest for the TRD machines.

Phase II - Repair of void areas underneath downstream concrete structures of primary spillway, densification of soil outside of downstream training walls and establishment of a pressure relieving drain system.

**Project Map**



**Rationale**

Emergency repairs needed due to identified failures at the dam.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	04/01/14	06/30/17	18,573,419	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	09/30/17	12/31/19	0	24,500,000	0	0	0	0	0	0	24,500,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	04/01/14	12/31/19	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>18,573,419</b>	<b>24,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24,500,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

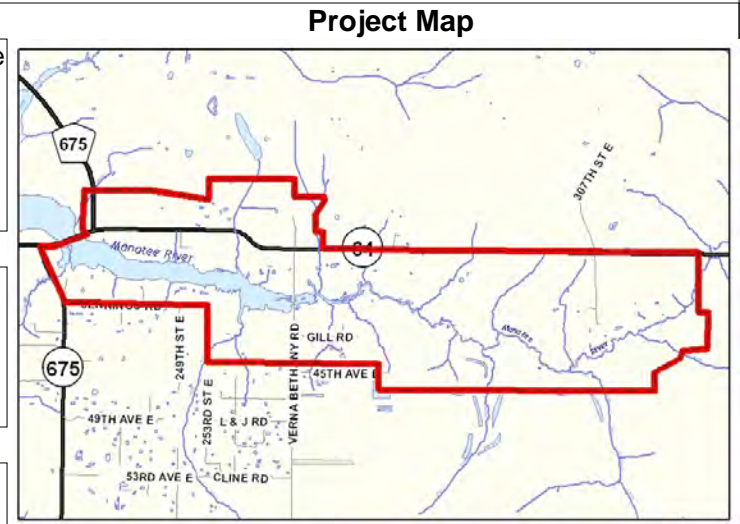
Funding Sources	Amount
All Prior Funding	24,500,000
<b>Total Funding:</b>	<b>24,500,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Lake Manatee Watershed Land Purchases</b>
<b>Potable Water Supply</b>	<b>6021670</b>	
Status: Existing Initial Year: 2008 District 5 Location: SR 64 and Sullivan Bridge, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Sherri Robinson</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Maintenance</b>		

**Scope**

Purchase environmentally sensitive lands between Sullivan Bridge and SR 64 along reservoir shore and river banks.



**Rationale**

To protect the Lake Manatee watershed which is Manatee County's major source of potable water.

**Funding Strategy**

Debt Proceeds  
 Utility Rates  
 Facility Investment Fees - Water

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	12/31/21	31,580	26,606	0	0	0	0	0	0	26,606
Land:	10/01/07	12/31/21	3,322,257	3,522,011	100,000	100,000	100,000	100,000	100,000	0	4,022,011
Construction:	10/01/07	12/31/21	98,924	287,875	0	0	0	0	0	0	287,875
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/07	12/31/21	96,441	107,737	0	0	0	0	0	0	107,737
<b>Totals:</b>			<b>3,549,203</b>	<b>3,944,229</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>4,444,229</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					All Prior Funding	3,944,229
Non-Personal:					Facility Investment Fees	500,000
Operating Capital:					<b>Total Funding:</b>	<b>4,444,229</b>
Operating Total:						
No. of Positions:	0	0	0	0		



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Water Supply Acquisitions</b>
<b>Potable Water Supply</b>	<b>6058700</b>	

Status: Existing Initial Year: 2006 Countywide Location: Countywide

**Comprehensive Plan Information**

Project Mgr: **Sherri Robinson**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Purchase properties within Manatee County with water permits.

**Project Map**



**Rationale**

To supplement the current sources of the Manatee County water system.

**Funding Strategy**

Debt Proceeds  
 Utility Rates  
 Facility Investment Fees - Water

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/17/06	12/31/21	13,892	0	0	0	0	0	0	0	0
Land:	01/17/06	12/31/21	52,899	262,500	100,000	100,000	100,000	100,000	100,000	0	762,500
Construction:	01/17/06	12/31/21	27	200,000	0	0	0	0	0	0	200,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/17/06	12/31/21	9,237	15,580	0	0	0	0	0	0	15,580
<b>Totals:</b>			<b>76,054</b>	<b>478,080</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>0</b>	<b>978,080</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	478,080
Facility Investment Fees	500,000
<b>Total Funding:</b>	<b>978,080</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>15th Street East - 301 Boulevard - US 41 - 53rd Avenue East - Utilities</b>
<b>Potable Water Transportation Related</b>	<b>6029970</b>	

Status: Existing Initial Year: 2001 Multi-district Location: 15th Street East & 301 Blvd, Bradenton

**Comprehensive Plan Information**

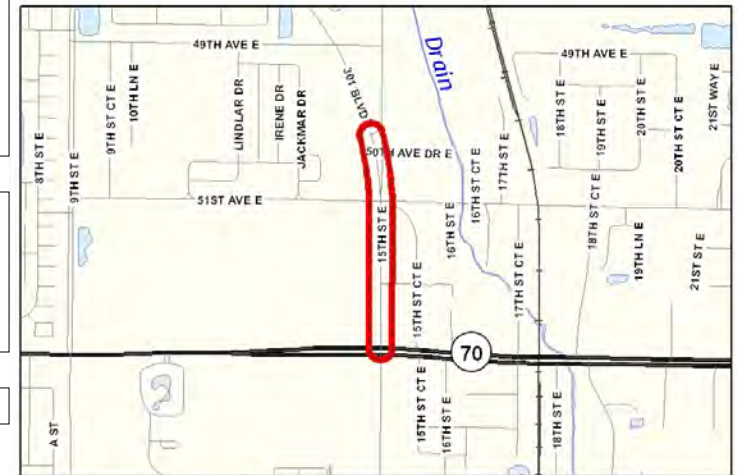
Project Mgr: **Jeff Streitmatter**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Utility relocations as part of a two lane to a four lane divided roadway expansion to include sidewalks, bike lanes and street lights.

**Project Map**



**Rationale**

Utility relocation as part of a four lane divided roadway expansion.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	03/21/10	03/31/13	10,797	10,000	0	0	0	0	0	0	10,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/13	12/31/16	67,581	110,147	0	0	0	0	0	0	110,147
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	03/21/10	12/31/16	4,579	1,488	0	0	0	0	0	0	1,488
<b>Totals:</b>			<b>82,957</b>	<b>121,635</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>121,635</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	121,635
<b>Total Funding:</b>	<b>121,635</b>

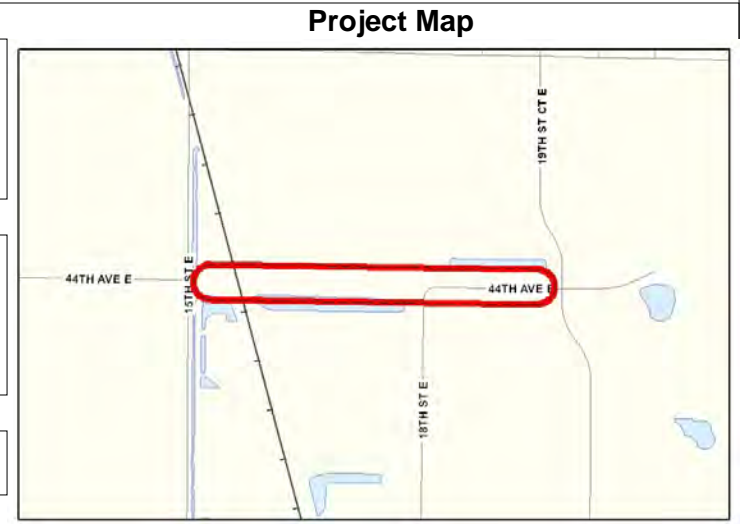


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>44th Avenue East - 15th Street East - 19th Street Court East -</b>
<b>Potable Water Transportation Related</b>	<b>6045670</b>	<b>Utilities</b>
Status: Existing Initial Year: 2002 District 5 Location: 44th Ave E-15th St E-19th St Ct E, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Relocation and upgrade of existing water lines as part of construction of a four lane roadway to provide a future east to west thoroughfare.



**Rationale**

To relocate and upgrade existing water lines as part of roadway enhancement project.

**Funding Strategy**

Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/02	01/31/15	0	0	0	0	0	0	0	0	0
Land:	04/01/10	12/31/15	0	0	0	0	0	0	0	0	0
Construction:	09/01/15	06/30/17	132,464	400,000	0	0	0	0	0	0	400,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/02	06/30/17	5,874	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>138,338</b>	<b>400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					All Prior Funding	400,000
Non-Personal:					Total Funding:	400,000
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>44th Avenue East - 19th Street Court East - 30th Street East -</b>
<b>Potable Water Transportation Related</b>	<b>6045671</b>	<b>Water</b>
Status: Existing Initial Year: 2002 District 4 Location: 44th Ave E-19th St Ct E-30th St E, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Relocation and upgrade of existing water lines as part of construction of a four lane roadway to provide a future east to west thoroughfare.



**Rationale**

To relocate and upgrade existing water lines as part of roadway enhancement project.

**Funding Strategy**

Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/02	12/31/13	0	0	0	0	0	0	0	0	0
Land:	01/01/13	09/30/13	0	0	0	0	0	0	0	0	0
Construction:	03/01/15	12/31/16	328,555	800,000	0	0	0	0	0	0	800,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/02	12/31/16	0	50,000	0	0	0	0	0	0	50,000
<b>Totals:</b>			<b>328,555</b>	<b>850,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>850,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	850,000
<b>Total Funding:</b>	<b>850,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>44th Avenue East - 30th Street East - 45th Street East - Water</b>
<b>Potable Water Transportation Related</b>	<b>6071170</b>	

Status: Existing Initial Year: 2010 District 5 Location: 44th Ave E-30th St E-45th St E, Bradenton

**Comprehensive Plan Information**

Project Mgr: **William Lorenzo**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Relocation and upgrade of existing water lines as part of construction of a four lane roadway to provide a future east to west thoroughfare.

**Project Map**



**Rationale**

To relocate and upgrade existing water lines as part of roadway enhancement project.

**Funding Strategy**

Utility Rates  
 Debt Proceeds  
 Facility Investment Fees - Water

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/09	09/30/12	49,043	49,579	0	0	0	0	0	0	49,579
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/15	12/31/16	887,929	1,350,000	0	0	0	0	0	0	1,350,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/09	12/31/16	20,212	2,500	0	0	0	0	0	0	2,500
<b>Totals:</b>			<b>957,183</b>	<b>1,402,079</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,402,079</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,402,079
<b>Total Funding:</b>	<b>1,402,079</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>44th Avenue East - US 41 - 15th Street East - Water</b>
<b>Potable Water Transportation Related</b>	<b>6001070</b>	
Status: Existing Initial Year: 2002 District 4 Location: 44th Ave E-US 41-15th St E, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>Yes</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

**Scope**

Upgrade existing water line to new water mains to be relocated outside of the proposed pavement as part of construction of a three lane roadway.



**Rationale**

To upgrade the existing water system. If future repair is required, it will no longer be under the roadway.

**Funding Strategy**

Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/01	03/31/13	650	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/12	12/31/16	544,058	950,000	0	0	0	0	0	0	950,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/01	12/31/16	28,315	50,000	0	0	0	0	0	0	50,000
<b>Totals:</b>			<b>573,023</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,000,000
<b>Total Funding:</b>	<b>1,000,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>45th Street East - 44th Avenue East - SR 70 - Water</b>
<b>Potable Water Transportation Related</b>	<b>6025672</b>	

Status: Existing Initial Year: 2013 District 5 Location: 45th St E-44th Ave E-SR 70, Bradenton

**Comprehensive Plan Information**

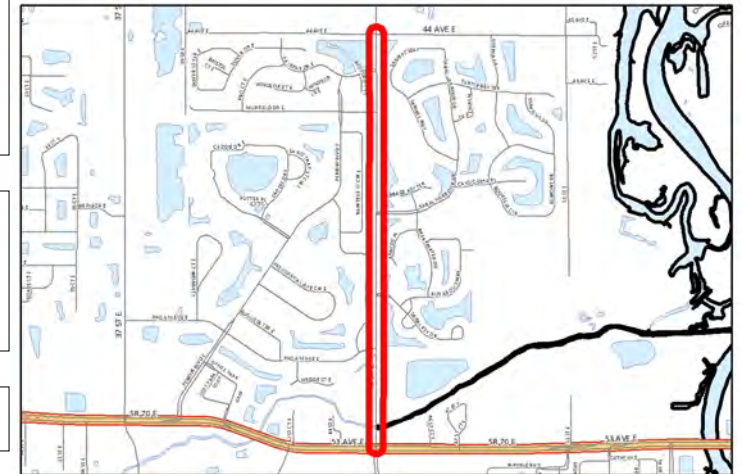
Project Mgr:

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Relocation and upgrade of existing water lines as part of roadway enhancement.

**Project Map**



**Rationale**

Relocate and upgrade existing water lines as part of roadway enhancement project.

**Funding Strategy**

Debt  
 Facility Investment Fees - Water

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	01/31/15	60,193	100,000	0	0	0	0	0	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	09/01/14	06/30/18	908	865,000	0	0	0	0	0	0	865,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	06/30/18	2,783	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>63,884</b>	<b>965,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>965,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

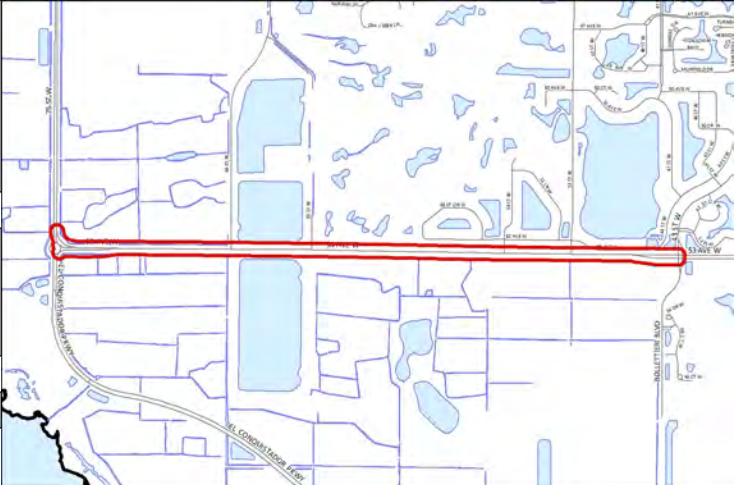
**Means of Financing**

Funding Sources	Amount
All Prior Funding	965,000
<b>Total Funding:</b>	<b>965,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>53rd Avenue West - 43rd Street West - 75th Street West -</b>
<b>Potable Water Transportation Related</b>	<b>6082970</b>	<b>Potable Water</b>
Status: Existing Initial Year: 2015 District 3 Location: 53rd Ave W-43rd St W-75th St W, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Anthony Benitez</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Relocation and upgrade of existing water lines as part of construction of a four lane roadway to provide a future east-west thoroughfare.	
<b>Rationale</b>	
Relocate and upgrade existing water lines as part of the roadway enhancement program.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	06/30/14	885	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/14	07/31/17	404,150	600,000	40,000	0	0	0	0	0	640,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	07/31/17	12,448	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>417,483</b>	<b>600,000</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>640,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	600,000
Rates	40,000
<b>Total Funding:</b>	<b>640,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>9th Street East - 53rd Avenue East - 57th Avenue East</b>
<b>Potable Water Transportation Related</b>	<b>6040470</b>	

Status: Existing Initial Year: 2005 District 4 Location: 9th St E-53rd Ave E-57th Ave E, Bradenton

**Comprehensive Plan Information**

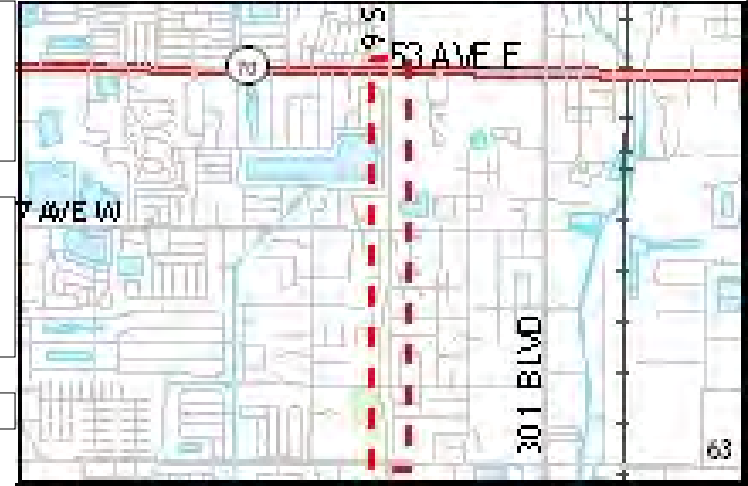
Project Mgr: **Jeff Streitmatter**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Waterline relocation.

**Project Map**



**Rationale**

Component of roadway widening project.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/12	10/31/16	68,520	155,000	0	0	0	0	0	0	155,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/04	10/31/16	2,918	15,000	0	0	0	0	0	0	15,000
<b>Totals:</b>			<b>71,438</b>	<b>170,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>170,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	170,000
<b>Total Funding:</b>	<b>170,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Ellenton Gillette - US 301 - Mocassin Wallow Water</b>
<b>Potable Water Transportation Related</b>	<b>6084570</b>	

Status: Existing Initial Year: 2014 District 1 Location: Ellenton Gillette-US301-Mocassin Wallow, Ellenton

**Comprehensive Plan Information**

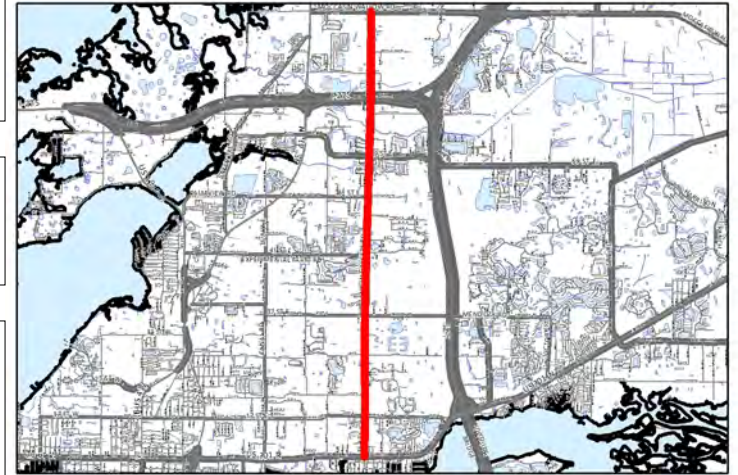
Project Mgr: **Mike Sturm**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need:

**Scope**

Replace 2,450 linear feet of 12" PVC pipe with 12" ductile iron pipe.

**Project Map**



**Rationale**

Widening of existing roadway to 24 feet.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	09/01/14	12/31/17	7,618	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	09/01/14	12/31/17	0	390,000	0	0	0	0	0	0	390,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	09/01/14	12/31/17	429	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>8,047</b>	<b>390,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>390,000</b>

**Operating Budget Impacts**

	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	390,000
<b>Total Funding:</b>	<b>390,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Erie Road - 69th St E - US301 - E/W Phase - Utility Relocations</b>
<b>Potable Water Transportation Related</b>	<b>6082870</b>	

Status: Existing Initial Year: 2016 District 1 Location: Erie Rd-69th St E-US301, Parrish

**Comprehensive Plan Information**

Project Mgr: **Mike Sturm**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Relocate water lines.

**Project Map**



**Rationale**

Utility relocations due to Erie Road Transportation Project.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	11/15/15	02/15/16	0	0	13,000	0	0	0	0	0	13,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/15	12/31/16	0	0	200,000	0	0	0	0	0	200,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	213,000	0	0	0	0	0	213,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

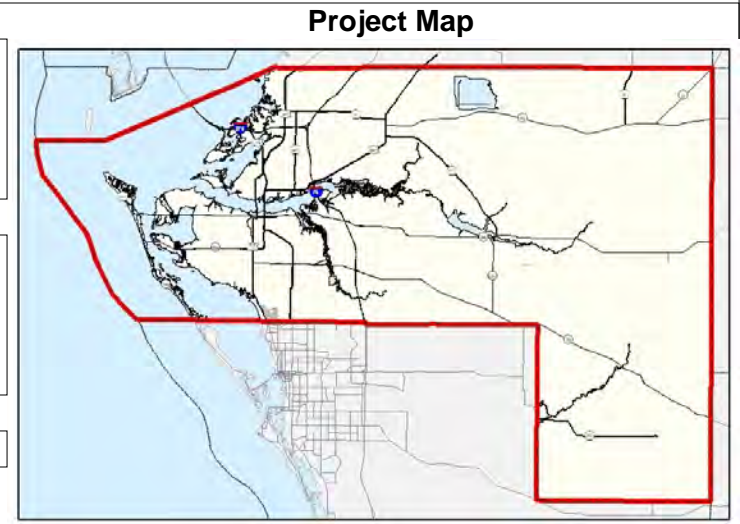
Funding Sources	Amount
Rates	213,000
<b>Total Funding:</b>	<b>213,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Potable Transportation Related</b>
<b>Potable Water Transportation Related</b>	<b>PW01351</b>	
Status: Existing Initial Year: 2020 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Projects associated with Florida Department of Transportation (FDOT) road improvement efforts that involve the moving of utility infrastructure (potable lines) that are in the FDOT right-of-way.



**Rationale**

Per FS 337.103, the county is required to relocate county owned infrastructure in the FDOT right-of-way whenever FDOT projects make this necessary.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/21	0	0	0	0	0	1,000,000	1,000,000	0	2,000,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	0	0	1,000,000	1,000,000	0	2,000,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	2,000,000
<b>Total Funding:</b>	<b>2,000,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Tallevast Road Sidewalk - Utility Relocation</b>
<b>Potable Water Transportation Related</b>	<b>6044670</b>	

Status: Existing Initial Year: 2016 District 4 Location: Tallevast Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Anthony Benitez**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Relocate utilities as necessitated by the sidewalk project for this area.

**Project Map**



**Rationale**

Utility lines need to be relocated due to the sidewalk project being completed in this area.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	09/30/16	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/17	0	50,000	0	0	0	0	0	0	50,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	50,000	0	0	0	0	0	0	50,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

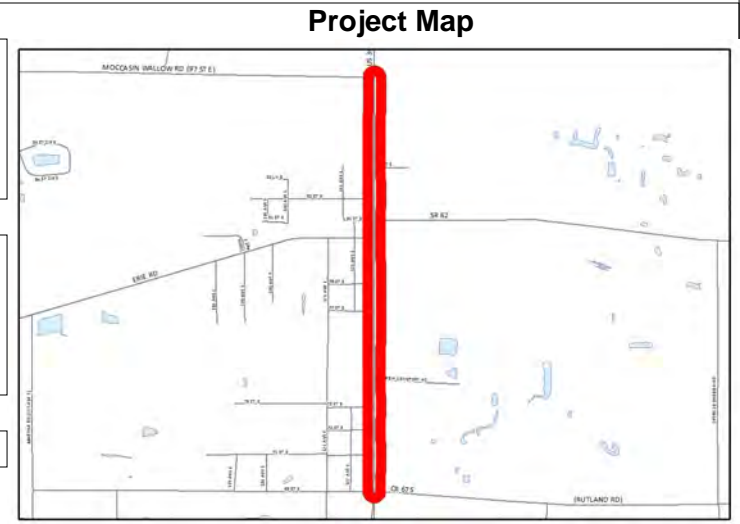
Funding Sources	Amount
All Prior Funding	50,000
<b>Total Funding:</b>	<b>50,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>US 301/CR 675 to Moccasin Wallow Road - Water</b>
<b>Potable Water Transportation Related</b>	<b>6085470</b>	
Status: Existing Initial Year: 2011 District 1 Location: US 301-CR 675-Mocassin Wallow Road, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr:
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Other Need</b>

**Scope**

Relocation of existing water lines as part of an upgrade to the existing roadway to a four or six lane divided roadway with bike lanes, sidewalks and street lights.



**Rationale**

To relocate existing water lines as part of roadway enhancement project.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/10	06/30/12	0	60,763	0	0	0	0	0	0	60,763
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/14	12/31/16	61,272	686,711	0	0	0	0	0	0	686,711
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/10	12/31/16	3,683	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>64,955</b>	<b>747,474</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>747,474</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	747,474
<b>Total Funding:</b>	<b>747,474</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Lake Manatee Ultra Filtration Membrane Process Upgrade</b>
<b>Potable Water Treatment</b>	<b>6050470</b>	

Status: Existing Initial Year: 2006 District 1 Location: Waterline Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Design and construction of the Water Treatment Plant, retrofitting the present system with an ultra filtration membrane process.

**Project Map**



**Rationale**

Existing plant is 45 years old and uses old technology. New technology is needed to meet present day water quality standards. Existing filter basins are at risk for structural failure.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/06	05/31/17	2,926,237	3,468,440	1,000,000	0	0	0	0	0	4,468,440
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	03/31/20	1,500	4,000,000	2,220,000	39,500,000	0	0	0	0	45,720,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/06	03/31/20	146,697	65,500	280,000	0	0	0	0	0	345,500
<b>Totals:</b>			<b>3,074,433</b>	<b>7,533,940</b>	<b>3,500,000</b>	<b>39,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,533,940</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	7,533,940
Debt Proceeds	24,500,000
Rates	18,500,000
<b>Total Funding:</b>	<b>50,533,940</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Raw Water #2 Motor Control Component Replacement</b>
<b>Potable Water Treatment</b>	<b>6025974</b>	
Status: Existing Initial Year: 2016 District 1 Location: 17915 Waterline Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr:
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Replacement of the Motor Control Center (MCC) that runs and controls the three pumps located at the Raw Water #2 pumping station. Removal of the existing MCC, including three 400 amp contactors and replacement with most currently available hardware and replacement of each cable run.	
<b>Rationale</b>	
Contactors currently in use in the MCC are obsolete and repair/replacement equipment is not available as the unit is 33 years old. The three pumps controlled by this MCC are used as the primary and/or secondary stations to supply raw water to the Water Treatment Plant.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	05/01/16	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/01/16	12/31/17	0	898,100	0	0	0	0	0	0	898,100
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>0</b>	<b>898,100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>898,100</b>

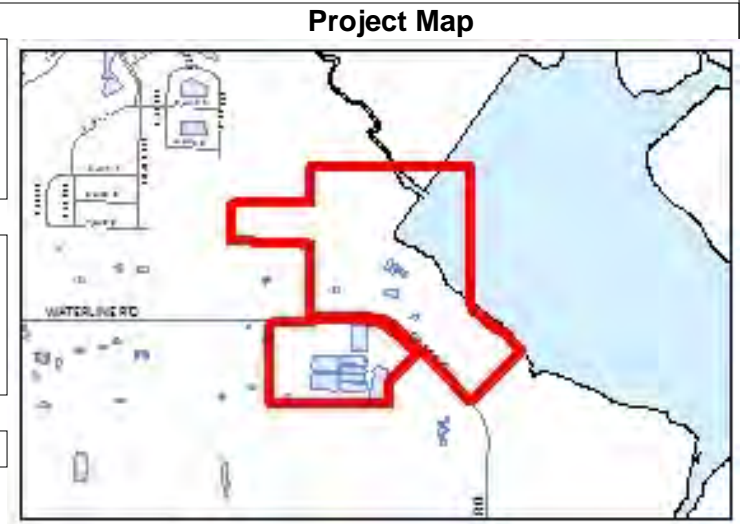
<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Funding Sources</b>	<b>Amount</b>
Personal:					All Prior Funding	898,100
Non-Personal:					Total Funding:	898,100
Operating Capital: _____						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>SCADA Replacement</b>
<b>Potable Water Treatment</b>	<b>6088670</b>	
Status: Existing Initial Year: 2019 District 1 Location: 17915 Waterline Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replace existing SCADA equipment at the Water Treatment Plant, to include hardware and software upgrades. Current equipment is more than 20 years old.



**Rationale**

SCADA equipment is run by HSQ, which is a proprietary, closed platform system. This is good for security, but a replacement system is necessary for data retrieval and reporting.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	09/30/17	0	0	250,000	0	0	0	0	0	250,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/18	0	0	0	2,250,000	0	0	0	0	2,250,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/18	0	0	12,500	225,000	0	0	0	0	237,500
<b>Totals:</b>			0	0	262,500	2,475,000	0	0	0	0	2,737,500

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	2,737,500
<b>Total Funding:</b>	<b>2,737,500</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>WTP Alum Sludge Drying Bed</b>
<b>Potable Water Treatment</b>	<b>PW01405</b>	
Status: Requested Initial Year: 2019 District 1 Location: 17915 Waterline Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Deficiency</b>

**Scope**

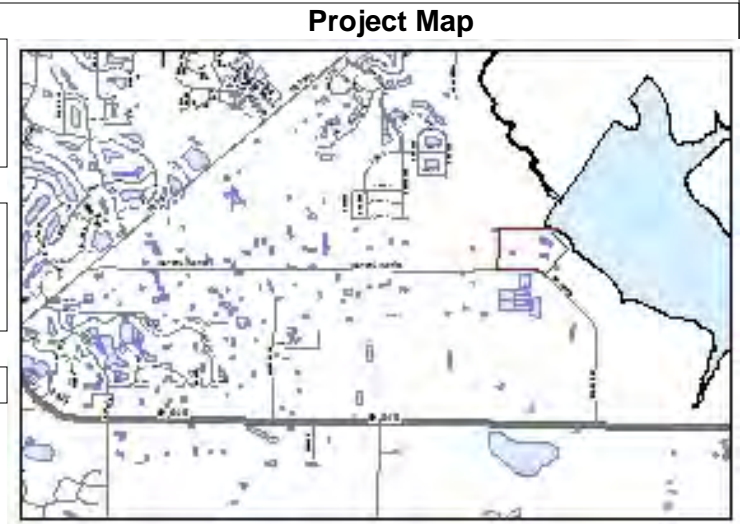
Add additional alum sludge drying bed to five lagoons currently in operation. This drying bed will increase capacity, versatility, and reliability to ensure adequate facilities are in place to allow required operation and maintenance during wet years, treatment upsets and significant basin rehabilitation.

**Rationale**

Existing beds are sufficient to handle typical conditions, but are limited in handling treatment plant upsets or extended weather that is wetter than normal. As WTP implements the new Biological Treatment Unit and Membrane Upgrade, conventional treatment upsets could affect new processes.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/20	03/31/21	0	0	0	0	0	0	124,000	0	124,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/21	12/31/21	0	0	0	0	0	0	620,000	0	620,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/20	12/31/21	0	0	0	0	0	0	124,000	0	124,000
<b>Totals:</b>			0	0	0	0	0	0	868,000	0	868,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	868,000
<b>Total Funding:</b>	<b>868,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Water Treatment Plant Biological Treatment Unit</b>
<b>Potable Water Treatment</b>	<b>6085870</b>	
Status: Existing Initial Year: 2014 District 1 Location: 17915 Waterline Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

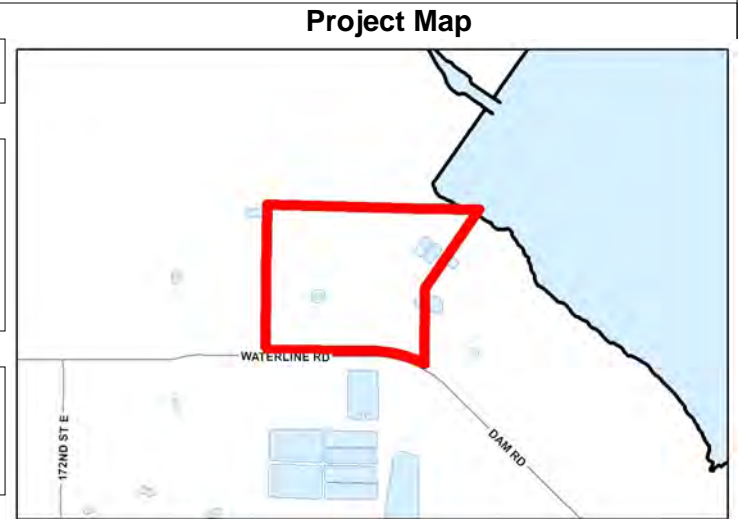
Design and construction of a raw water biological treatment unit.

**Rationale**

Remove the taste and odor causing compounds from surface water from Lake Manatee Water Treatment Plant. Bench and pilot scale tests over the past three years have shown the process to be effective, reliable and robust throughout the year as a biological roughing filter on raw water (pre-treatment) and requires no chemical addition. Recent research has shown the process to be effective in the post settling stage of treatment but requires the addition of nutrients to optimize bacterial growth.

**Funding Strategy**

Debt Proceeds  
Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	09/30/15	1,342,959	1,900,000	0	0	0	0	0	0	1,900,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/16	12/31/18	589,535	22,500,000	0	0	0	0	0	0	22,500,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/18	61,808	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,994,302</b>	<b>24,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24,400,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	100,000	0	0	0
Operating Capital:				
Operating Total:	100,000	0	0	0
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	24,400,000
<b>Total Funding:</b>	<b>24,400,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Potable Water</b>	Project#	<b>Water Treatment Plant Motor Control Center "A" Replacement</b>
<b>Potable Water Treatment</b>	<b>6025973</b>	

Status: Existing Initial Year: 2014 District 1 Location: Waterline Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Replacement of motor control center at the Water Treatment Plant (WTP). This unit was installed with the original plant in 1965. A newer section of the motor control center was added in 1974 with the expansion of the WTP. This motor control center distributes power to mixers, chemical feed pumps, sludge pumps, surface and back wash pumps, transfer pumps and control systems.

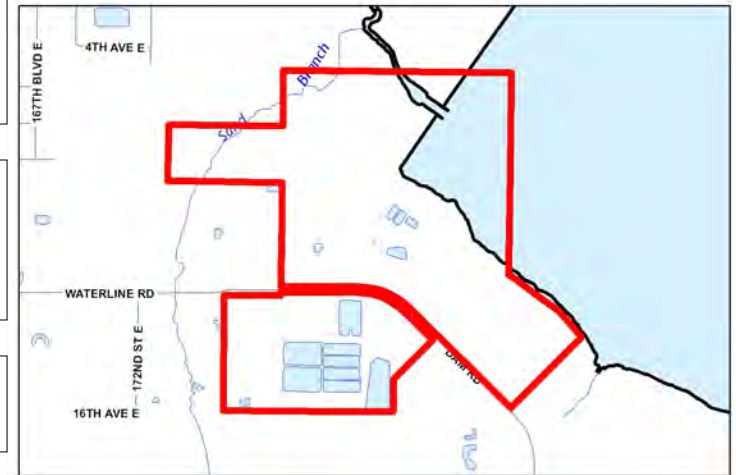
**Rationale**

Due to the age of the unit, new repair parts are no longer inventoried by the manufacturer. A failure of this unit would result in back-up temporary operation in order to continue to treat surface water.

**Funding Strategy**

Debt Proceeds  
Utility Rates

**Project Map**



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	02/28/16	43,411	140,000	0	0	0	0	0	0	140,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/01/16	12/31/17	147	760,000	0	0	0	0	0	0	760,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	1,753	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>45,310</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>900,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	900,000
<b>Total Funding:</b>	<b>900,000</b>





**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Sources and Uses of Funds Plan Summary by Category**

Solid Waste

**Source of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
All Sources	4,059,383	7,498,415	0	0	0	0	0	0	7,498,415
Utilities System Charges	0	0	1,910,000	4,744,000	1,275,000	2,087,000	0	0	10,016,000
Total Source of Funds	4,059,383	7,498,415	1,910,000	4,744,000	1,275,000	2,087,000	0	0	17,514,415

**Use of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
Solid Waste	4,059,383	7,498,415	1,910,000	4,744,000	1,275,000	2,087,000	0	0	17,514,415
Total Use of Funds	4,059,383	7,498,415	1,910,000	4,744,000	1,275,000	2,087,000	0	0	17,514,415



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Solid Waste	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Solid Waste</b>									
1 Landfill Operations Storage Building (6008900 / Requested)	0	0	110,000	558,000	0	0	0	0	668,000
2 Lena Road Landfill Disposal Preparation - Stage II (6077200 / Existing)	3,981,133	6,090,000	0	0	0	0	0	0	6,090,000
3 Lena Road Landfill Gas Collection Expansion, Stage III, Phase III (6008205 / Existing)	28,046	360,000	1,800,000	0	0	0	0	0	2,160,000
4 Lena Road Landfill Gas Electric Generation - Phase II (6008204 / Existing)	50,204	1,048,415	0	4,000,000	1,000,000	0	0	0	6,048,415
5 Lena Road Stage II Gas Expansion Phase I (SW01399 / Requested)	0	0	0	0	275,000	1,534,000	0	0	1,809,000
6 Scalehouse Office Expansion (SW01295 / Existing)	0	0	0	186,000	0	553,000	0	0	739,000
<b>Solid Waste</b>	<b>4,059,383</b>	<b>7,498,415</b>	<b>1,910,000</b>	<b>4,744,000</b>	<b>1,275,000</b>	<b>2,087,000</b>	<b>0</b>	<b>0</b>	<b>17,514,415</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Solid Waste</b>	Project# <b>6008900</b>	<b>Landfill Operations Storage Building</b>
Status: Requested Initial Year: 2017 District 5 Location: Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Deficiency</b>

**Scope**

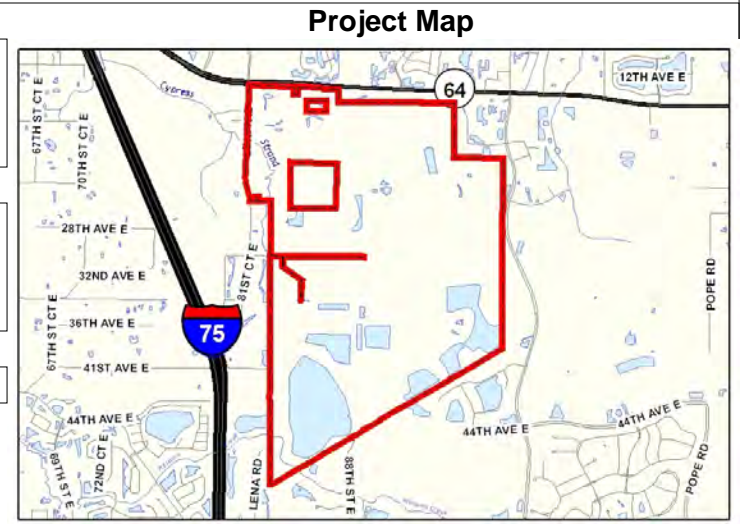
Design, permit and construct 3,600 sq. ft. (120' x 30') building for storage, and an area for welding.

**Rationale**

Building will be used for general repairs to equipment, which are currently done outdoors, including welding. The building will also be used to store supplies, some of which cannot be stored in the Landfill Operations building due to fire regulations. The building will enable staff to store spare equipment, tires and other supplies currently stored outdoors and exposed to the weather.

**Funding Strategy**

Solid Waste Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	12/31/17	0	0	110,000	0	0	0	0	0	110,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/18	0	0	0	523,000	0	0	0	0	523,000
Equipment:			0	0	0	35,000	0	0	0	0	35,000
Project Mgt.:	10/01/16	12/31/18	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	110,000	558,000	0	0	0	0	668,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	0	3,500	4,500	4,500
Operating Capital:				
Operating Total:	0	3,500	4,500	4,500
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Utilities System Charges	668,000
<b>Total Funding:</b>	<b>668,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Solid Waste</b>	Project# <b>6077200</b>	<b>Lena Road Landfill Disposal Preparation - Stage II</b>
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Status: Existing Initial Year: 2015 District 5 Location: Lena Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Mike Sturm**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Preparatory work for Stage II operations in this area of the landfill.

**Project Map**



**Rationale**

Prior to operating in the Stage II area of the landfill, stormwater, leachate, soil management and gas collection systems must be designed, permitted and constructed.

**Funding Strategy**

Solid Waste Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	09/30/15	207,283	165,000	0	0	0	0	0	0	165,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/31/15	12/31/17	3,602,055	5,925,000	0	0	0	0	0	0	5,925,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/17	171,795	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>3,981,133</b>	<b>6,090,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,090,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	10,000	0	0	0
Operating Capital:				
Operating Total:	10,000	0	0	0
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	6,090,000
<b>Total Funding:</b>	<b>6,090,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Solid Waste</b>	Project# <b>6008205</b>	<b>Lena Road Landfill Gas Collection Expansion, Stage III, Phase III</b>
Status: Existing Initial Year: 2014 District 5 Location: Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Sherri Robinson</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

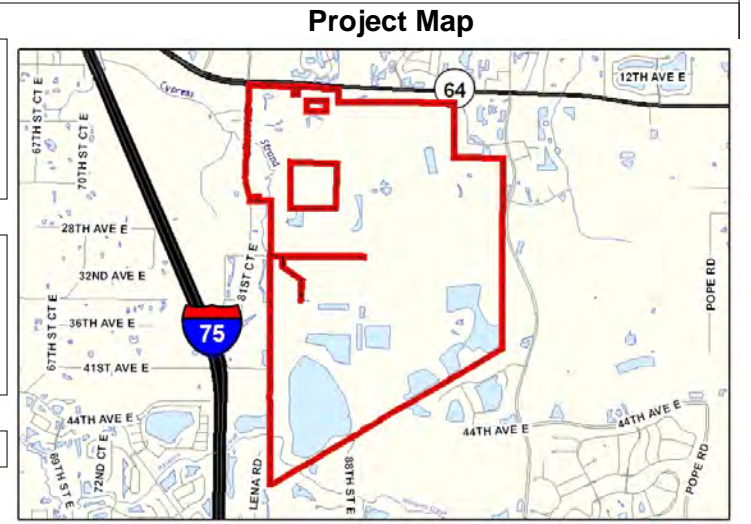
Installation of 63 additional well heads as part of the gas collection system starting at the perimeter of the refuse mound and working inward and upward.

**Rationale**

As buried refuse deteriorates, the gas collection system collects and controls the emission of methane gas into a piping system which reroutes the gas to be used as energy.

**Funding Strategy**

Solid Waste Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	09/30/16	26,836	360,000	0	0	0	0	0	0	360,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/18	0	0	1,800,000	0	0	0	0	0	1,800,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/18	1,210	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>28,046</b>	<b>360,000</b>	<b>1,800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,160,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	5,000	0	0	0
Operating Capital:				
Operating Total:	5,000	0	0	0
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	360,000
Utilities System Charges	1,800,000
<b>Total Funding:</b>	<b>2,160,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Solid Waste</b>	Project# <b>6008204</b>	<b>Lena Road Landfill Gas Electric Generation - Phase II</b>
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Status: Existing Initial Year: 2013 District 5 Location: Lena Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Sherri Robinson**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Other Need**

**Scope**

Construct gas electric facility so the landfill can utilize available methane gas using additional gas electric generators.

**Project Map**



**Rationale**

To realize the potential in using landfill gas as a resource to generate power.

**Funding Strategy**

Solid Waste Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	12/31/17	48,403	1,048,415	0	0	0	0	0	0	1,048,415
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/20	0	0	0	4,000,000	1,000,000	0	0	0	5,000,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/20	1,801	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>50,204</b>	<b>1,048,415</b>	<b>0</b>	<b>4,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,048,415</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,048,415
Utilities System Charges	5,000,000
<b>Total Funding:</b>	<b>6,048,415</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Solid Waste</b>	Project# <b>SW01399</b>	<b>Lena Road Stage II Gas Expansion Phase I</b>
Status: Requested Initial Year: 2019 District 5 Location: Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

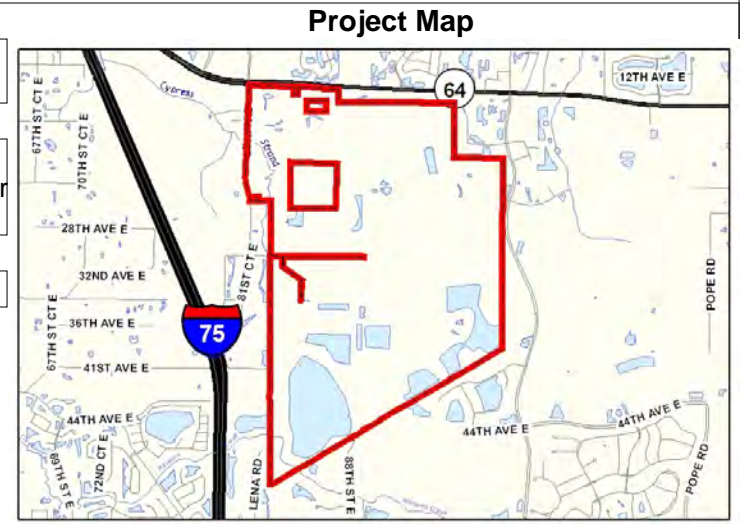
Design the landfill Gas Expansion in Stage II Phase I, which includes 50 gas wells, along with 18" HDPE header line, 12" sub headers, and 6" HDPE laterals and valves.

**Rationale**

As buried refuse deteriorates, the gas collection system collects and controls the emission of methane in to the piping system, which reroutes the gas to be used as energy. This eliminates odor and keeps the landfill in compliance with Title V air permit requirements.

**Funding Strategy**

Solid Waste Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	12/31/19	0	0	0	0	275,000	0	0	0	275,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/20	0	0	0	0	0	1,370,000	0	0	1,370,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/20	0	0	0	0	0	164,000	0	0	164,000
<b>Totals:</b>			0	0	0	0	275,000	1,534,000	0	0	1,809,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	0	0	0	15,000
Operating Capital:				
Operating Total:	0	0	0	15,000
No.of Positions:	0	0	0	0

**Means of Financing**

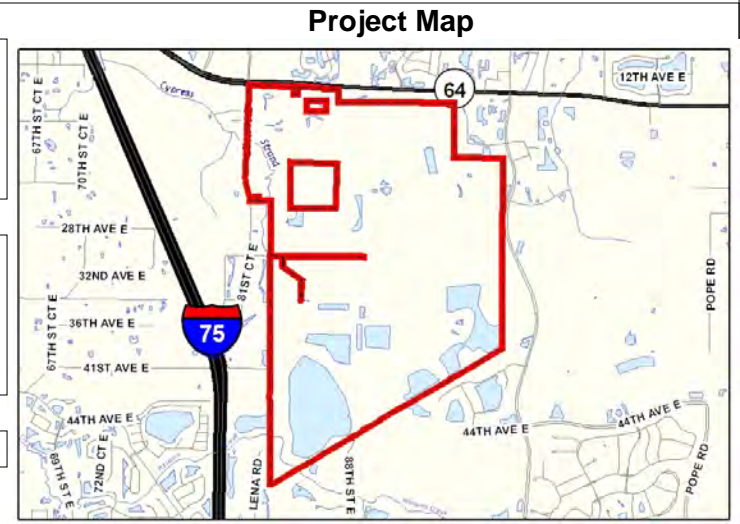
Funding Sources	Amount
Utilities System Charges	1,809,000
<b>Total Funding:</b>	<b>1,809,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Solid Waste</b>	Project# <b>SW01295</b>	<b>Scalehouse Office Expansion</b>
Status: Existing Initial Year: 2018 District 5 Location: Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tom Yarger</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Deficiency</b>

**Scope**

Design, permit and build a 1,560 sq. ft. office building for the Lena Road Landfill Scalehouse.



**Rationale**

Additional space required for staff and record storage.

**Funding Strategy**

Solid Waste Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	12/31/18	0	0	0	186,000	0	0	0	0	186,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/20	0	0	0	0	0	553,000	0	0	553,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/20	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	186,000	0	553,000	0	0	739,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Utilities System Charges	739,000
<b>Total Funding:</b>	<b>739,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Sources and Uses of Funds Plan Summary by Category**

Stormwater

**Source of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
All Sources	27,033,412	32,313,597	0	0	0	0	0	0	32,313,597
Stormwater Capital Improvements	0	0	1,860,000	0	35,000	1,800,000	0	0	3,695,000
Tourist Development Tax	0	0	1,800,000	0	0	0	0	0	1,800,000
Total Source of Funds	27,033,412	32,313,597	3,660,000	0	35,000	1,800,000	0	0	37,808,597

**Use of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
Stormwater	27,033,412	32,313,597	3,660,000	0	35,000	1,800,000	0	0	37,808,597
Total Use of Funds	27,033,412	32,313,597	3,660,000	0	35,000	1,800,000	0	0	37,808,597







**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Stormwater	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Stormwater</b>									
1 CR675 Canal Piping (6044400 / Existing)	3,397	1,221,000	0	0	0	0	0	0	1,221,000
2 Coquina Beach Drainage Improvements (6005719 / Existing)	67,993	88,000	1,800,000	0	0	0	0	0	1,888,000
3 Pipe Canal W83 (Baywest Canal) (6044500 / Existing)	40,673	825,000	160,000	0	0	0	0	0	985,000
4 Storm Drain Replacement / Rehabilitation (ST01396 / Requested)	0	0	750,000	0	0	0	0	0	750,000
5 Tallevast Road Storm Pipe Replacement (ST01296 / Existing)	0	0	0	0	35,000	1,800,000	0	0	1,835,000
6 Tangelo Park Storm Drain Rehabilitation (6039600 / Requested)	0	0	450,000	0	0	0	0	0	450,000
7 Wares Creek - Canal Dredging (6028801 / Existing)	26,921,349	30,179,597	500,000	0	0	0	0	0	30,679,597
<b>Stormwater</b>	<b>27,033,412</b>	<b>32,313,597</b>	<b>3,660,000</b>	<b>0</b>	<b>35,000</b>	<b>1,800,000</b>	<b>0</b>	<b>0</b>	<b>37,808,597</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Stormwater</b>	Project# <b>6044400</b>	<b>CR675 Canal Piping</b>
Status: Existing Initial Year: 2015 District 1 Location: CR675 , Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
<p>Pipe canal located on the south side of CR675, beginning east of the Foxbrook subdivision and continuing west approximately 2,000 feet then curving southwest and crossing under Rye Road. The proximity of the canal to CR675 in addition to the depth and sandy soils on the canal bank cause erosion to the canal banks.</p>	
<b>Rationale</b>	
<p>Repairs are difficult to complete, as equipment works directly from the road surface and over a guardrail. Piping the canal would reduce maintenance costs and improve drainage in to the piped system.</p>	
<b>Funding Strategy</b>	
Stormwater Capital Improvements	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	12/31/16	0	110,000	0	0	0	0	0	0	110,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/17	282	1,111,000	0	0	0	0	0	0	1,111,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/17	3,115	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>3,397</b>	<b>1,221,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,221,000</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Funding Sources</b>	<b>Amount</b>
Personal:					All Prior Funding	1,221,000
Non-Personal:					Total Funding:	1,221,000
Operating Capital: _____						
Operating Total:						
No.of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Stormwater</b>	Project# <b>6005719</b>	<b>Coquina Beach Drainage Improvements</b>
Status: Existing Initial Year: 2015 District 3 Location: Coquina Beach		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

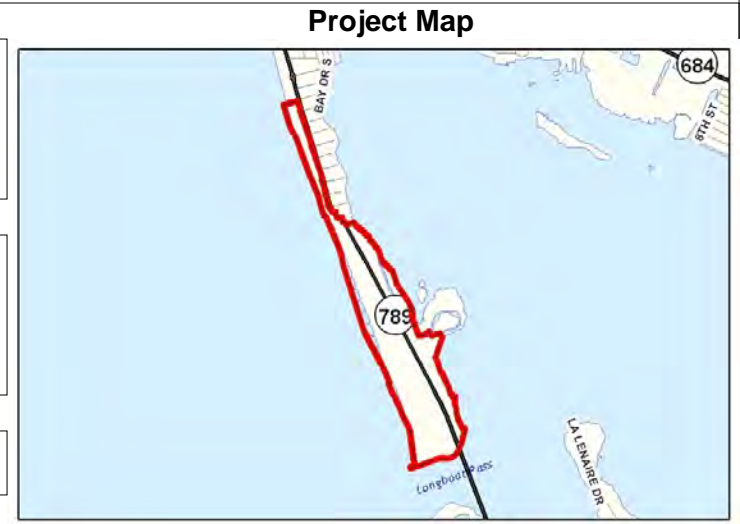
Identify site specific flood alleviation alternatives and water quality best management practices within the Coquina Beach public parking areas. The project extends from the landward side of Longboat Pass to north of the beach restroom facility parking area (approximately 4,200 feet), with location specific internal site improvements to be determined during the conceptual design alternatives evaluation.

**Rationale**

The Coquina Beach public parking areas gradually drain south toward Longboat Pass, but periodically flood to depths of 6" to 18" during prolonged or high intensity rainfalls. This creates a nuisance to the public utilizing the beach and associated facilities, creates additional maintenance issues due to shell parking wash-outs, reduces access to available parking spaces and creates unsightly conditions.

**Funding Strategy**

Stormwater Capital Improvements  
 Tourist Development Tax - Subject to Approval



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	09/30/16	61,748	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/16	0	88,000	1,800,000	0	0	0	0	0	1,888,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	08/01/15	12/31/16	6,246	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>67,993</b>	<b>88,000</b>	<b>1,800,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,888,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	88,000
Tourist Development Tax	1,800,000
<b>Total Funding:</b>	<b>1,888,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Stormwater</b>	Project# <b>6044500</b>	<b>Pipe Canal W83 (Baywest Canal)</b>
Status: Existing Initial Year: 2015 District 3 Location: 71st Street West/4th Avenue West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Pipe 1,200 feet of Baywest canal with 58" x 91" reinforced concrete pipe. Also install catch basins.	
<b>Rationale</b>	
Reduce flood potential and debris in canal.	
<b>Funding Strategy</b>	
Stormwater Capital Improvements	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	03/31/16	28,786	75,000	0	0	0	0	0	0	75,000
Land:			0	0	50,000	0	0	0	0	0	50,000
Construction:	04/01/16	06/30/17	305	750,000	110,000	0	0	0	0	0	860,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	06/30/17	11,582	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>40,673</b>	<b>825,000</b>	<b>160,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>985,000</b>

**Operating Budget Impacts**

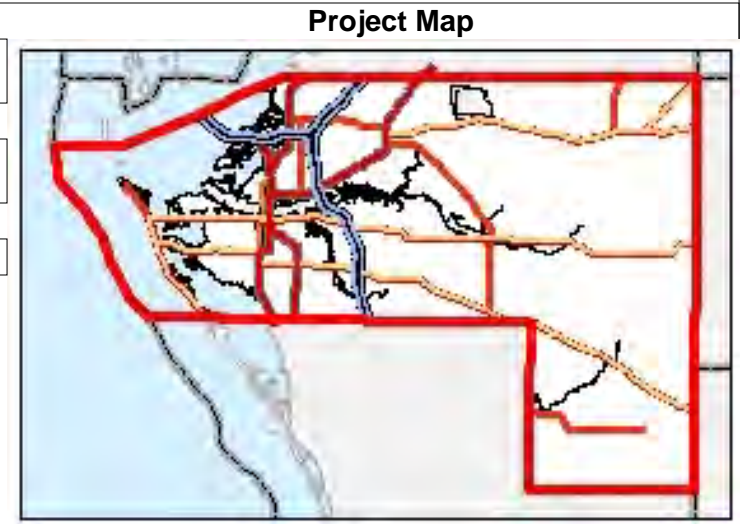
	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	825,000
Stormwater Capital Improvements	160,000
<b>Total Funding:</b>	<b>985,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Stormwater</b>	Project# <b>ST01396</b>	<b>Storm Drain Replacement / Rehabilitation</b>
Status: Requested Initial Year: 2017 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Deficiency</b>		

<b>Scope</b>
Replace and rehabilitate 2,100 linear feet of storm drain in several identified areas within the county.
<b>Rationale</b>
Storm drain pipe is deteriorated and needs rehabilitation to prevent flooding of streets and private property.
<b>Funding Strategy</b>
Stormwater Capital Improvements



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	12/31/16	0	0	150,000	0	0	0	0	0	150,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/17	0	0	600,000	0	0	0	0	0	600,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	750,000	0	0	0	0	0	750,000

**Operating Budget Impacts**

	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Stormwater Capital Improvements	750,000
<b>Total Funding:</b>	<b>750,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Stormwater</b>	Project# <b>ST01296</b>	<b>Tallevast Road Storm Pipe Replacement</b>
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Status: Existing Initial Year: 2019 District 4 Location: Tallevast Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Deficiency**

**Scope**

Complete a detail subsurface investigation, storm pipe inspection and rehabilitation of 2,400 linear feet of 60" storm drain on Tallevast Road from Prospect to the terminus of the pipe.

**Project Map**



**Rationale**

This section of four lane road is served by a 60" diameter storm pipe running the length of the roadway on the south side of the road. Since construction, settlement and/or leaking pipe joints have caused voids under the road surface and issues with the integrity of the road surface. This project will investigate the settlement of the pipe, integrity of the pipe joints and soil, voids existing under the road, and identify repair options. Repair methods may include removal and replacement of storm pipe, point repair of joints and/or lining of the pipe.

**Funding Strategy**

Stormwater Capital Improvements

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	12/31/20	0	0	0	0	35,000	0	0	0	35,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/20	0	0	0	0	0	1,800,000	0	0	1,800,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/20	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	0	35,000	1,800,000	0	0	1,835,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Stormwater Capital Improvements	1,835,000
<b>Total Funding:</b>	<b>1,835,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Stormwater</b>	Project# <b>6039600</b>	<b>Tangelo Park Storm Drain Rehabilitation</b>
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Status: Requested Initial Year: 2017 District 4 Location: Orlando Avenue, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Deficiency**

**Scope**

Replace and rehabilitate 2,250 linear feet of storm drain.

**Project Map**



**Rationale**

Storm drain pipe is deteriorated and needs rehabilitation to prevent flooding of streets and private property.

**Funding Strategy**

Stormwater Capital Improvements

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	12/31/16	0	0	100,000	0	0	0	0	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/17	0	0	350,000	0	0	0	0	0	350,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	450,000	0	0	0	0	0	450,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Stormwater Capital Improvements	450,000
<b>Total Funding:</b>	<b>450,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Stormwater</b>	Project# <b>6028801</b>	<b>Wares Creek - Canal Dredging</b>
Status: Existing Initial Year: 1995 Countywide Location: Manatee Avenue-US 41, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Dredge from the mouth of Wares Creek to 9th Avenue West, clear and snag debris from 9th Avenue West to 17th Avenue West, and excavate for widening the creek from 17th Avenue West to 21st Avenue West. Also, widen seawall from 1st Avenue West to 30th Avenue West, and widen with trapezoidal channel from 30th Avenue West to near Cortez Road.

**Rationale**

To accomodate expanded peak stream flow capacity, better accomodate heavy rainfall events and limit flood occurrences.

**Funding Strategy**

Dredging Capital Projects Fund  
Stormwater Capital Improvements



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	05/31/97	10/31/09	4,835,213	2,745,431	0	0	0	0	0	0	2,745,431
Land:	05/26/04	12/31/16	17,873,680	19,854,842	500,000	0	0	0	0	0	20,354,842
Construction:	07/01/11	12/31/16	3,051,470	5,192,508	0	0	0	0	0	0	5,192,508
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	05/31/97	12/31/16	1,160,986	2,386,816	0	0	0	0	0	0	2,386,816
<b>Totals:</b>			<b>26,921,349</b>	<b>30,179,597</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30,679,597</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	25,000	0	0	0
Operating Capital:				
Operating Total:	25,000	0	0	0
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	30,179,597
Stormwater Capital Improvements	500,000
<b>Total Funding:</b>	<b>30,679,597</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Sources and Uses of Funds Plan Summary by Category**

Transportation

**Source of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
All Sources	89,158,971	173,383,492	0	0	0	0	0	0	173,383,492
Debt Proceeds	0	0	45,364,000	22,000,000	3,310,000	0	0	0	70,674,000
Gas Taxes	0	0	3,980,000	2,197,700	1,380,600	0	0	0	7,558,300
Impact Fees	0	0	2,018,750	1,780,000	9,750,000	0	0	0	13,548,750
Other	0	0	0	0	1,300,000	0	0	0	1,300,000
<b>Total Source of Funds</b>	<b>89,158,971</b>	<b>173,383,492</b>	<b>51,362,750</b>	<b>25,977,700</b>	<b>15,740,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>266,464,542</b>

**Use of Funds**

	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
Transportation	89,158,971	173,383,492	51,362,750	25,977,700	15,740,600	0	0	0	266,464,542
<b>Total Use of Funds</b>	<b>89,158,971</b>	<b>173,383,492</b>	<b>51,362,750</b>	<b>25,977,700</b>	<b>15,740,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>266,464,542</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Transportation	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Transportation</b>									
1 12th Street East - 57th Avenue East - 61st Avenue Terrace East - CRA Sidewalks - Road (6059560 / Existing)	123,451	522,291	0	0	0	0	0	0	522,291
2 17th Street East (Memphis Road) at 28th Avenue East Railroad Improvements (TR01128 / Existing)	0	0	0	110,000	0	0	0	0	110,000
3 44th Ave E - 45th Street - 44th Avenue Plaza East (6086960 / Existing)	1,633,787	7,170,000	22,400,000	16,500,000	3,310,000	0	0	0	49,380,000
4 44th Avenue East - 15th Street East - 19th Street Court East (6045661 / Existing)	7,188,088	9,307,881	0	0	0	0	0	0	9,307,881
5 44th Avenue East - 19th Street Court East - 30th Street East (6045660 / Existing)	10,183,584	20,805,090	0	0	0	0	0	0	20,805,090
6 44th Avenue East - 30th Street East - 45th Street East (6071160 / Existing)	10,895,305	17,770,895	250,000	0	0	0	0	0	18,020,895
7 44th Avenue East - 44th Ave Plaza E - Lakewood Ranch Boulevard (6045662 / Existing)	1,247,415	4,061,000	19,964,000	5,500,000	0	0	0	0	29,525,000
8 44th Avenue East - US 41 - 15th Street East (6001060 / Existing)	10,036,449	11,467,867	0	0	0	0	0	0	11,467,867
9 45th Street East - 44th Avenue East - SR 70 (6025662 / Existing)	2,712,542	5,700,000	3,560,000	0	0	0	0	0	9,260,000
10 53rd Avenue West - 43rd Street West - 75th Street West (6082960 / Existing)	1,929,791	6,810,224	0	0	0	0	0	0	6,810,224
11 60th Avenue East - US301 / Outlet Mall Entrance (6083160 / Existing)	0	310,000	0	705,000	2,250,000	0	0	0	3,265,000
12 63rd Avenue East at 33rd Street East Intersection (6041860 / Existing)	0	261,000	0	0	0	0	0	0	261,000
13 67th Avenue East - 18th Street East Railroad Improvements (TR01126 / Existing)	0	0	0	220,000	0	0	0	0	220,000
14 9th Street East - 53rd Avenue East - 57th Avenue East (6040460 / Existing)	6,329,435	9,335,676	0	0	0	0	0	0	9,335,676
15 9th Street East - CSX Railroad Crossing (6082560 / Existing)	411,453	434,950	0	0	0	0	0	0	434,950
16 Advanced Traffic Management System Expansion - University Parkway (6052010 / Existing)	79,413	387,500	0	0	0	0	0	0	387,500



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Transportation	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
17 Ancient Oaks Subdivision (6053260 / Existing)	0	844,000	0	0	0	0	0	0	844,000
18 CDBG Funded Sidewalk - 21st St E-US 41N-12th Ave E - Palmetto (6012609 / Existing)	145,158	382,000	0	0	0	0	0	0	382,000
19 Cortez Road - 43rd Street West Intersection (TR01202 / Existing)	0	0	0	62,700	480,600	0	0	0	543,300
20 Cortez Road - 86th Street West Intersection (6082160 / Existing)	524,549	603,509	0	0	0	0	0	0	603,509
21 Ellenton Gillette Road - Mendoza Road (37th Street East) Intersection Improvements (TR00542 / Existing)	0	0	0	200,000	1,300,000	0	0	0	1,500,000
22 Ellenton Gillette Road - US 301 / Moccasin Wallow Road (6084560 / Existing)	949,587	2,725,000	2,000,000	1,550,000	0	0	0	0	6,275,000
23 Ellenton Gillette at 69th Street (6084061 / Existing)	0	0	300,000	0	0	0	0	0	300,000
24 Erie Road - 69th Street East - US 301 - East/West Phase (6082861 / Existing)	10,874	900,000	0	0	0	0	0	0	900,000
25 Erie Road - US 301 - 69th Street East - North/South Phase (6082860 / Existing)	226,011	3,625,000	0	0	0	0	0	0	3,625,000
26 Force Main 13A Sidewalk (6049100 / Existing)	0	172,320	0	0	0	0	0	0	172,320
27 Fort Hamer / Upper Manatee River Road - Bridge (6035560 / Existing)	19,265,239	32,727,823	0	0	0	0	0	0	32,727,823
28 Fort Hamer Road - US 301 to Future Fort Hamer Bridge (6054764 / Existing)	4,835,997	8,634,789	0	0	0	0	0	0	8,634,789
29 Greenbrook Underdrain Replacement (6036360 / Existing)	49	665,000	0	0	0	0	0	0	665,000
30 Lakewood Ranch Boulevard ATMS (TR01337 / Existing)	0	0	0	400,000	300,000	0	0	0	700,000
31 Lakewood Ranch Boulevard Re-Base (6049960 / Existing)	0	0	1,330,000	0	0	0	0	0	1,330,000
32 Land Acquisition - Countywide (6053913 / Existing)	67,373	1,169,143	0	0	0	0	0	0	1,169,143
33 Lockwood Ridge Road - 56th Avenue Terrace East - Whitfield Avenue (6009361 / Existing)	0	891,000	0	0	0	0	0	0	891,000

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Transportation	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
34 Moccasin Wallow Road - US 41 to Gateway Boulevard (TR01086 / Existing)	0	0	0	675,000	7,200,000	0	0	0	7,875,000
35 Morgan Johnson Sidewalk - 44th Avenue East - SR 64 (6049761 / Existing)	506,132	830,000	0	0	0	0	0	0	830,000
36 Port Harbour Parkway Extension (6076660 / Existing)	0	2,299,202	0	0	0	0	0	0	2,299,202
37 Rowlett Elementary School Sidewalks (6044160 / Existing)	1,315,561	2,141,441	0	0	0	0	0	0	2,141,441
38 Rye Road - SR 64 - Southbound Right Turn Lane (6086161 / Existing)	0	0	813,750	0	0	0	0	0	813,750
39 Rye Road - SR 64 - Upper Manatee River Road (6086160 / Existing)	215,232	2,769,200	0	0	0	0	0	0	2,769,200
40 SR 64 - 57th Street East (Morgan Johnson) Intersection (6086360 / Existing)	392,823	613,777	0	0	0	0	0	0	613,777
41 SR 70 at Lockwood Ridge Road Northbound (6082361 / Existing)	0	0	345,000	0	0	0	0	0	345,000
42 Sunny Shores Mobile Home Park (6022960 / Existing)	23,986	560,500	0	0	0	0	0	0	560,500
43 Tallevast Road Railroad Crossing Replacement (6059361 / Existing)	0	10,000	400,000	0	0	0	0	0	410,000
44 Tallevast Road Sidewalks (6044600 / Existing)	186,873	1,697,000	0	0	0	0	0	0	1,697,000
45 US 301 - Ellenton Gillette Road Intersection Improvements (6035161 / Existing)	513,746	3,060,000	0	0	0	0	0	0	3,060,000
46 US 301 - Fort Hamer Road Intersection (6061960 / Existing)	4,400,244	6,650,000	0	0	0	0	0	0	6,650,000
47 US 301 - Tallevast Road - Capacity Improvements (6083906 / Existing)	540,493	799,616	0	0	0	0	0	0	799,616
48 University Parkway at Waterview (6086260 / Existing)	757,185	757,186	0	0	0	0	0	0	757,186
49 Upper Manatee River Road - SR 64 to Curve (6082660 / Existing)	1,511,146	3,511,612	0	0	0	0	0	0	3,511,612
50 Wauchula Road Over Young's Creek Bridge Replacement (TR01346 / Existing)	0	0	0	55,000	900,000	0	0	0	955,000
<b>Transportation</b>	<b>89,158,971</b>	<b>173,383,492</b>	<b>51,362,750</b>	<b>25,977,700</b>	<b>15,740,600</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>266,464,542</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6059560</b>	<b>12th Street East - 57th Avenue East - 61st Avenue Terrace East - CRA Sidewalks - Road</b>
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Status: Existing Initial Year: 2016 District 4 Location: 12th St E-57th Ave E-61st Ave Terr E, Bradenton

**Comprehensive Plan Information** Project Mgr: **Anthony Benitez**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope** **Project Map**

Construction of new sidewalks and to provide adequate drainage in the area.



**Rationale**

To upgrade neighborhoods, provide designated safe walking routes, and provide additional drainage.

**Funding Strategy**

CRA - Community Redevelopment Funding

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	12/31/16	99,665	99,022	0	0	0	0	0	0	99,022
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/15	12/31/16	192	418,568	0	0	0	0	0	0	418,568
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/16	23,593	4,701	0	0	0	0	0	0	4,701
<b>Totals:</b>			<b>123,451</b>	<b>522,291</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>522,291</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	522,291
<b>Total Funding:</b>	<b>522,291</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project#	<b>17th Street East (Memphis Road) at 28th Avenue East Railroad Improvements</b>
	<b>TR01128</b>	

Status: Existing Initial Year: 2014 District 2 Location: 17th St East- 28th Av E, Palmetto

**Comprehensive Plan Information**

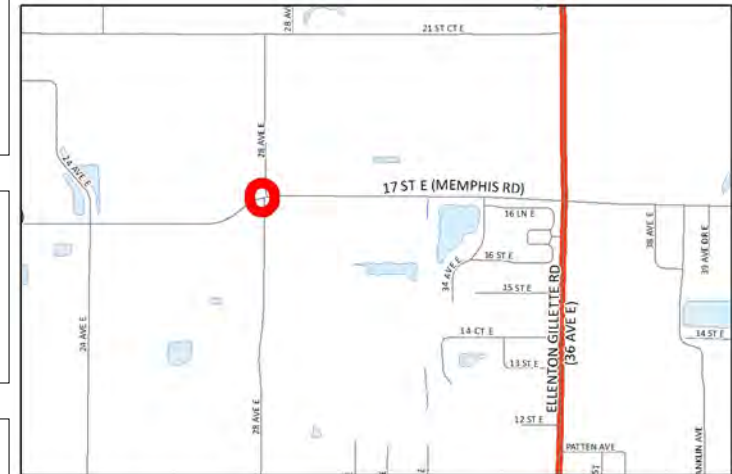
Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Design, permitting and construction of a replacement railroad crossing surface for 17th Street East.

**Project Map**



**Rationale**

The current crossing condition is deteriorating to the point where it will be needing replacement. The crossing will be replaced with a concrete wearing surface with an estimated life of 50 years.

**Funding Strategy**

Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	12/31/17	0	0	0	10,000	0	0	0	0	10,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/18	12/31/18	0	0	0	100,000	0	0	0	0	100,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/18	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	110,000	0	0	0	0	110,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Gas Taxes	110,000
<b>Total Funding:</b>	<b>110,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6086960</b>	<b>44th Ave E - 45th Street - 44th Avenue Plaza East</b>
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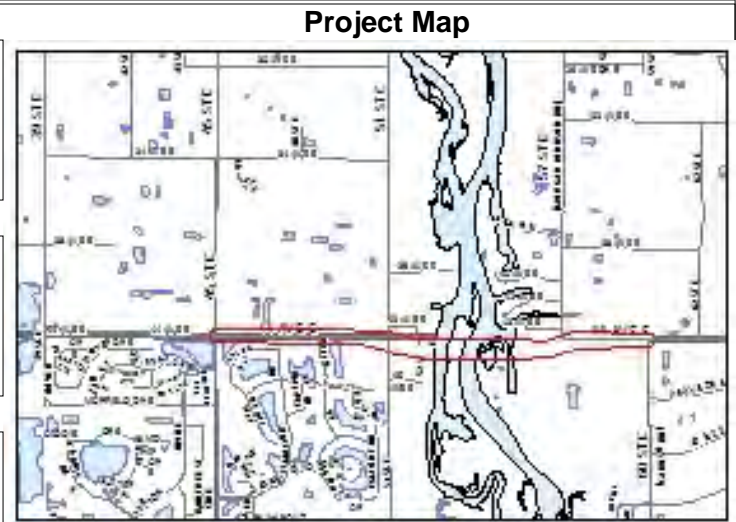
Status: Existing Initial Year: 2014 District 5 Location: 44th Ave E - 45th Street - 44th Avenue Plaza East, Bradenton

**Comprehensive Plan Information** Project Mgr: **Taha Ataya**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Includes construction of 1.3 miles of roadway improvements from 45th Street East to 44th Avenue Plaza East, to include a four-lane divided roadway with sidewalks, bike lanes, street lighting, and a bridge crossing the Braden River. This section will include four 12-foot lanes, a 22-foot median, curb and gutter, 4-foot bike lanes, and 5-foot sidewalks in each direction. Morgan Johnson Road and Caruso Road will be realigned to connect at a single intersection on 44th Avenue East.



**Rationale**

To provide an east/west thoroughfare to support anticipated increase in capacity and help maintain the county's adopted levels of service for surrounding roadways including SR 70 and SR 64. This thoroughfare should help alleviate demand at the I-75/SR 64 and I-75/SR 70 interchanges. This project is part of the county's Comprehensive Plan.

**Funding Strategy**

Impact Fees  
Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	12/31/16	1,595,744	770,000	0	0	0	0	0	0	770,000
Land:	06/01/16	06/30/17	0	0	0	0	0	0	0	0	0
Construction:	07/01/17	03/31/20	345	6,400,000	22,400,000	16,500,000	3,310,000	0	0	0	48,610,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	03/31/20	37,698	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,633,787</b>	<b>7,170,000</b>	<b>22,400,000</b>	<b>16,500,000</b>	<b>3,310,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49,380,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	0	0	0	2,000
Operating Capital:				
Operating Total:	0	0	0	2,000
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	7,170,000
Debt Proceeds	42,210,000
<b>Total Funding:</b>	<b>49,380,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6045661</b>	<b>44th Avenue East - 15th Street East - 19th Street Court East</b>
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Status: Existing Initial Year: 2002 District 4 Location: 44th Avenue East - 15th Street East - 19th Street Court East, Bradenton

**Comprehensive Plan Information**

Project Mgr: **William Lorenzo**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construction of a four lane divided roadway with bike lanes, sidewalks and street lights.

**Project Map**



**Rationale**

To provide a future east/west thoroughfare to support anticipated increase in capacity and to relieve demands on SR 70 and SR 64. This project opens up access from 15th Street East into the Manasota Industrial Park to 19th Street Court East, and creates a crossing over the CSX railroad.

**Funding Strategy**

2004 Transportation Bonds  
 Debt Proceeds  
 Gas Taxes  
 Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	11/01/01	12/31/13	525,165	325,000	0	0	0	0	0	0	325,000
Land:	10/01/10	03/31/13	2,267,102	1,814,959	0	0	0	0	0	0	1,814,959
Construction:	04/01/13	12/31/16	3,697,783	6,654,375	0	0	0	0	0	0	6,654,375
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	11/01/01	12/31/16	698,039	513,547	0	0	0	0	0	0	513,547
<b>Totals:</b>			<b>7,188,088</b>	<b>9,307,881</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,307,881</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	7,000	7,000	7,000	7,000
Operating Capital:				
Operating Total:	7,000	7,000	7,000	7,000
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	9,307,881
<b>Total Funding:</b>	<b>9,307,881</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6045660</b>	<b>44th Avenue East - 19th Street Court East - 30th Street East</b>
Status: Existing Initial Year: 2002 District 4 Location: 44th Ave East-19th St Ct E-30th St E, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Construction of a four-lane divided roadway with bike lanes, sidewalks, and streetlights to provide a future east-to-west thoroughfare.



**Rationale**

Level of service failures of SR 70 and SR 64 require construction of a new east/west roadway.

**Funding Strategy**

2004 Transportation Bonds  
 Debt Proceeds  
 Gas Taxes  
 Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/02	01/31/15	1,276,614	1,379,730	0	0	0	0	0	0	1,379,730
Land:	01/01/14	12/31/15	5,537,131	3,922,087	0	0	0	0	0	0	3,922,087
Construction:	01/01/15	06/30/17	3,166,524	13,550,773	0	0	0	0	0	0	13,550,773
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/02	06/30/17	203,315	1,952,500	0	0	0	0	0	0	1,952,500
<b>Totals:</b>			<b>10,183,584</b>	<b>20,805,090</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,805,090</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:	35,000	35,000	0	0	All Prior Funding	20,805,090
Operating Capital:					Total Funding:	20,805,090
Operating Total:	35,000	35,000	0	0		
No.of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6071160</b>	<b>44th Avenue East - 30th Street East - 45th Street East</b>
Status: Existing Initial Year: 2009 Multi-district Location: 44th Ave E-30th St E-45th St E, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

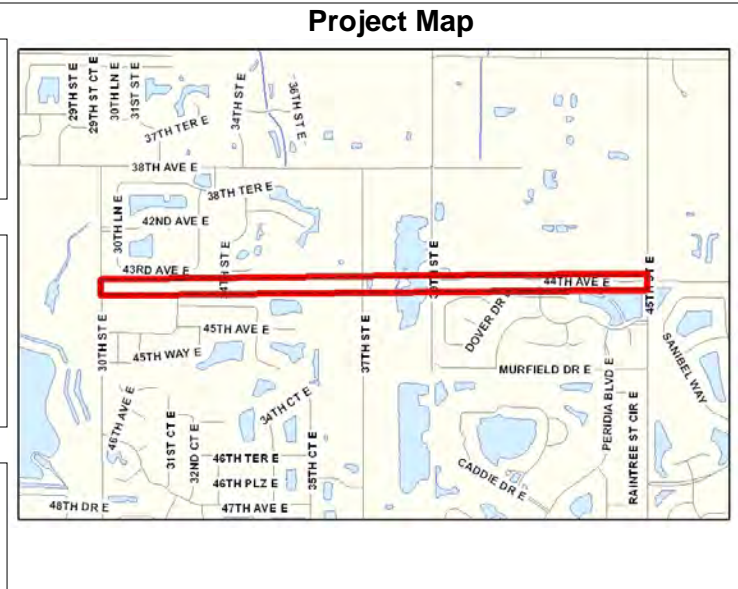
Construction of 1.3 miles of roadway improvements to include a four-lane divided roadway with bike lanes, sidewalks and street lighting. This section will include four 12-foot lanes, a 22-foot median, curb and gutter, 4-foot bike lanes, and 5-foot sidewalks in each direction.

**Rationale**

Expand service to provide a future east/west thoroughfare to support anticipated increase in capacity and to relieve demands on SR 70 and SR 64.

**Funding Strategy**

Gas Taxes  
 Impact Fees  
 2004 Transportation Bonds



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/09	09/30/12	1,948,490	660,000	0	0	0	0	0	0	660,000
Land:	10/01/09	12/31/14	3,440,286	1,987,905	250,000	0	0	0	0	0	2,237,905
Construction:	01/01/15	12/31/16	5,047,434	14,792,990	0	0	0	0	0	0	14,792,990
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/09	12/31/16	459,095	330,000	0	0	0	0	0	0	330,000
<b>Totals:</b>			<b>10,895,305</b>	<b>17,770,895</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,020,895</b>

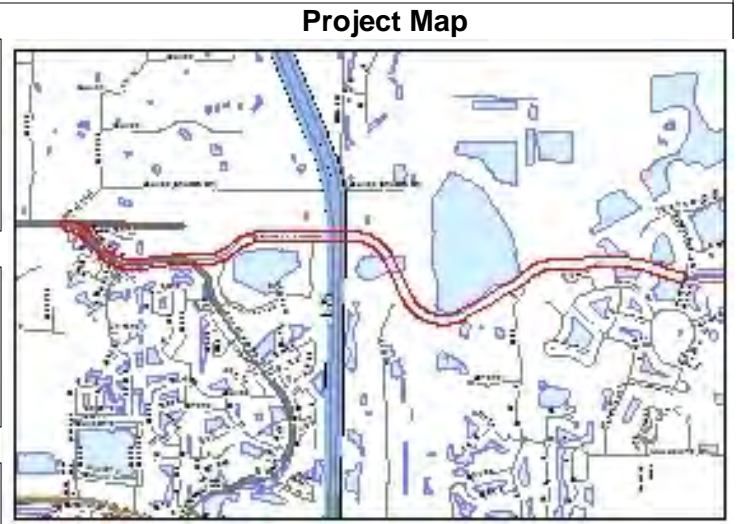
<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:	30,000	30,000	30,000	30,000	All Prior Funding	17,770,895
Operating Capital:					Gas Taxes	250,000
Operating Total:	30,000	30,000	30,000	30,000	<b>Total Funding:</b>	<b>18,020,895</b>
No.of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6045662</b>	<b>44th Avenue East - 44th Ave Plaza E - Lakewood Ranch Boulevard</b>
Status: Existing Initial Year: 2015 District 5 Location: 44th Ave E-44th Ave Plaza E - Lakewood Ranch Blvd, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Taha Ataya</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Includes construction of 2.8 miles of roadway improvements from 44th Avenue Plaza East to Lakewood Ranch Boulevard. Includes a four-lane divided roadway with sidewalks, bike lanes/multi-use path, and street lighting, an overpass over I-75, and a crossing over a reclaimed water storage lake. This section will include four, 12-foot lanes, a 22-foot median, curb and gutter, 4-foot bike lanes, and 5-foot sidewalks in each direction.



**Rationale**

Provide an east/west thoroughfare to support anticipated increase in capacity and help maintain the county's adopted levels of service for surrounding roadways including SR 70 and SR 64. This thoroughfare should help alleviate demand at the I-75/SR 64 and I-75/SR 70 interchanges. This project is part of the county's Comprehensive Plan.

**Funding Strategy**

Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	03/01/15	06/30/16	306,191	2,181,000	0	0	0	0	0	0	2,181,000
Land:	10/01/16	12/31/18	899,550	1,480,000	0	0	0	0	0	0	1,480,000
Construction:	08/01/16	12/31/19	9,267	400,000	19,964,000	5,500,000	0	0	0	0	25,864,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/19	32,408	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,247,415</b>	<b>4,061,000</b>	<b>19,964,000</b>	<b>5,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29,525,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	0	0	3,000	3,000
Operating Capital:				
Operating Total:	0	0	3,000	3,000
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	4,061,000
Debt Proceeds	25,464,000
<b>Total Funding:</b>	<b>29,525,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6001060</b>	<b>44th Avenue East - US 41 - 15th Street East</b>
Status: Existing Initial Year: 2002 District 4 Location: 44th Ave East - US 41-15th St E, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:	Project Need: <b>Growth</b>	

**Scope**

Upgrade existing roadway to a three-lane roadway from US 41 to 15th Street East.



**Rationale**

Expand service to provide a future east/west thoroughfare to support increased capacity and to relieve travel demands on SR 70 and SR 64.

**Funding Strategy**

Gas Taxes  
 2004 Transportation Bonds  
 Impact Fees  
 Federal / State Revenues and Grants

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/01	03/31/13	1,298,835	1,462,059	0	0	0	0	0	0	1,462,059
Land:	10/01/09	03/31/13	2,093,804	1,142,783	0	0	0	0	0	0	1,142,783
Construction:	04/01/13	12/31/16	5,664,001	8,132,462	0	0	0	0	0	0	8,132,462
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/01	12/31/16	979,810	730,563	0	0	0	0	0	0	730,563
<b>Totals:</b>			<b>10,036,449</b>	<b>11,467,867</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,467,867</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:	21,500	21,500	21,500	21,500	All Prior Funding	11,467,867
Operating Capital:					Total Funding:	11,467,867
Operating Total:	21,500	21,500	21,500	21,500		
No.of Positions:	0	0	0	0		

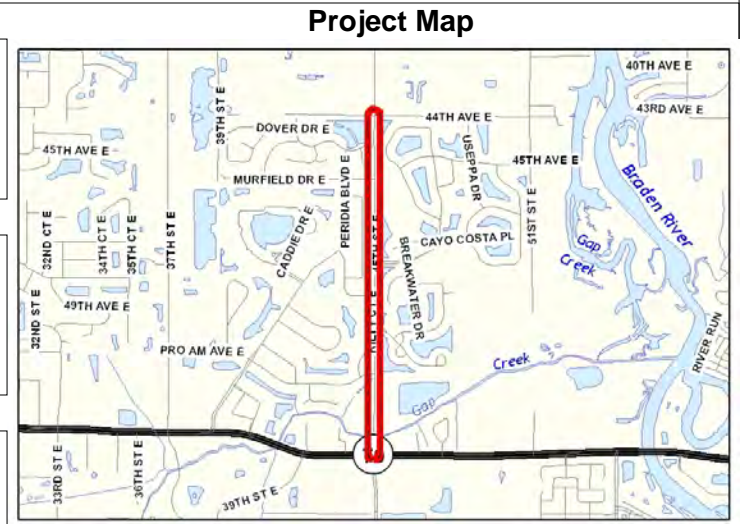


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6025662</b>	<b>45th Street East - 44th Avenue East - SR 70</b>
Status: Existing Initial Year: 2013 District 5 Location: 45th Street East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Taha Ataya</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:	Project Need: <b>Growth</b>	

**Scope**

Construction to upgrade approximately 1.5 miles of an existing two-lane roadway to a four-lane roadway. Includes grassed medians, additional turn lanes, sidewalks, bike lanes, bridge widening over gap creek, roadway lighting, and signalization at 44th Avenue East and 45th Street East.



**Rationale**

Expand service to provide an enhanced connection from 44th Avenue East to SR 70.

**Funding Strategy**

Debt Proceeds  
 Gas Taxes  
 Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	01/31/16	1,177,470	0	0	0	0	0	0	0	0
Land:	07/01/14	08/30/16	1,435,520	0	560,000	0	0	0	0	0	560,000
Construction:	11/01/15	12/31/18	10,594	5,640,000	3,000,000	0	0	0	0	0	8,640,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	12/31/18	88,958	60,000	0	0	0	0	0	0	60,000
<b>Totals:</b>			<b>2,712,542</b>	<b>5,700,000</b>	<b>3,560,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,260,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	0	0	21,000	21,000
Operating Capital:				
Operating Total:	0	0	21,000	21,000
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	5,700,000
Debt Proceeds	3,000,000
Impact Fees	560,000
<b>Total Funding:</b>	<b>9,260,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6082960</b>	<b>53rd Avenue West - 43rd Street West - 75th Street West</b>
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Status: Existing Initial Year: 2012 District 3 Location: 53rd Avenue West, Bradenton

**Comprehensive Plan Information**

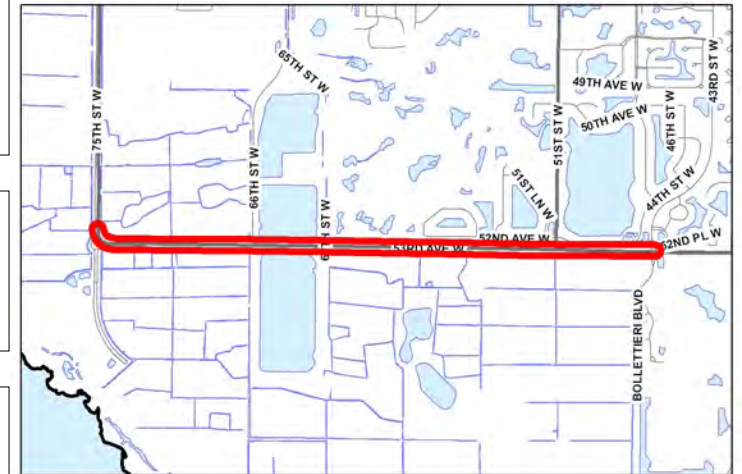
Project Mgr: **Anthony Benitez**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Widen existing two lane roadway segment to four lanes.

**Project Map**



**Rationale**

Expand service to enhance traffic flow on 53rd Avenue West and relieve traffic on Cortez Road.

**Funding Strategy**

Impact Fees  
Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/12	06/30/14	137,970	340,000	0	0	0	0	0	0	340,000
Land:	04/01/12	07/30/15	0	0	0	0	0	0	0	0	0
Construction:	07/01/14	07/30/17	1,548,459	6,450,224	0	0	0	0	0	0	6,450,224
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/12	07/30/17	243,363	20,000	0	0	0	0	0	0	20,000
<b>Totals:</b>			<b>1,929,791</b>	<b>6,810,224</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,810,224</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	30,000	30,000	30,000	30,000
Operating Capital:				
Operating Total:	30,000	30,000	30,000	30,000
No. of Positions:	0	0	0	0

**Means of Financing**

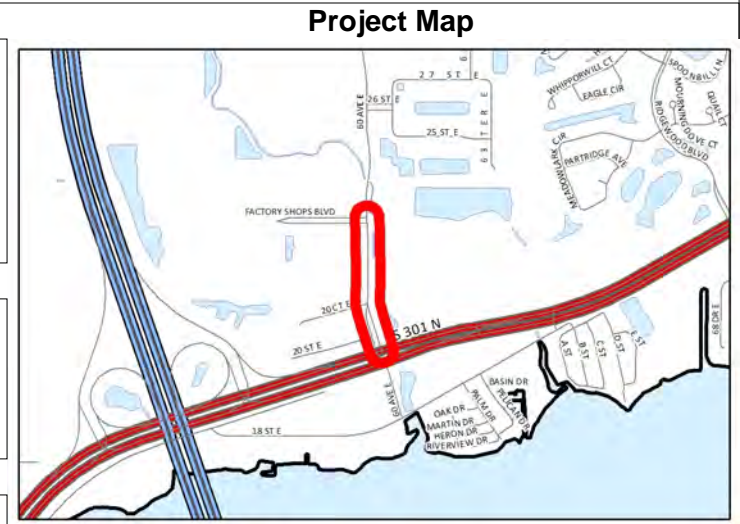
Funding Sources	Amount
All Prior Funding	6,810,224
<b>Total Funding:</b>	<b>6,810,224</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6083160</b>	<b>60th Avenue East - US301 / Outlet Mall Entrance</b>
Status: Existing Initial Year: 2016 District 1 Location: 60th Avenue East - US 301 , Ellenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Reconstruct and widen 60th Avenue East as a six-lane undivided roadway with intersection improvements to include Mall Entrance/60th Avenue E and Mendoza Road/60th Avenue E. Construction transition to a two-lane undivided roadway north of the mall entrance.



**Rationale**

Improve capacity and operational efficiency of the Ellenton Gillette Road / 69th Street East intersection.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	515,000	0	0	0	0	515,000
Land:	10/01/17	09/30/18	0	0	0	190,000	0	0	0	0	190,000
Construction:	10/01/18	09/30/20	0	310,000	0	0	2,250,000	0	0	0	2,560,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	09/30/20	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	310,000	0	705,000	2,250,000	0	0	0	3,265,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	0	0	0	2,000
Operating Capital:				
Operating Total:	0	0	0	2,000
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	310,000
Impact Fees	2,955,000
<b>Total Funding:</b>	<b>3,265,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6041860</b>	<b>63rd Avenue East at 33rd Street East Intersection</b>
Status: Existing Initial Year: 2015 District 4 Location: 63rd Avenue East - 33rd Street East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
FDOT to design and construct a separate left turn lane on all approaches of the intersection and install a traffic signal. Manatee County is responsible for all land acquisition costs.	
<b>Rationale</b>	
Increase capacity and improve traffic operations as a thoroughfare intersection. This project has been adopted in FDOT's Tentative Work Program for FY14-FY19.	
<b>Funding Strategy</b>	
Impact Fees	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:	10/01/16	09/30/18	0	261,000	0	0	0	0	0	0	261,000
Construction:	10/01/16	09/30/18	0	0	0	0	0	0	0	0	0
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	09/30/18	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>0</b>	<b>261,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>261,000</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:	0	500	500	500	All Prior Funding	261,000
Operating Capital:					Total Funding:	261,000
Operating Total:	0	500	500	500		
No.of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>TR01126</b>	<b>67th Avenue East - 18th Street East Railroad Improvements</b>
Status: Existing Initial Year: 2017 District 4 Location: 67th Avenue East -18th Street East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

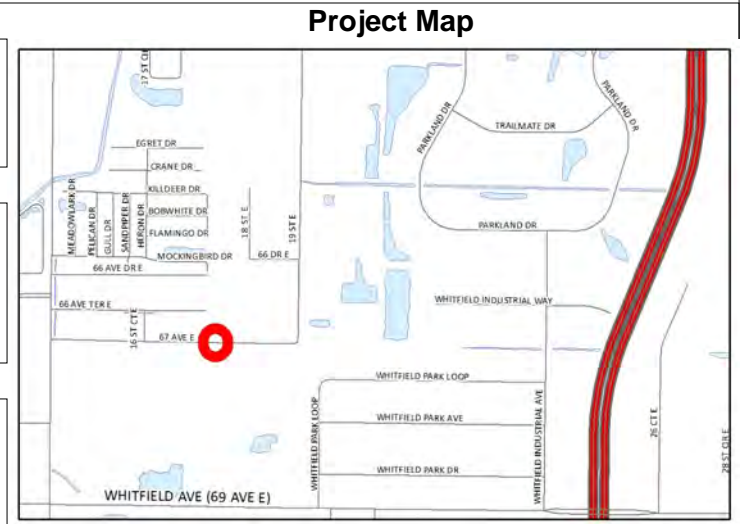
This project covers the design, permitting and construction of a replacement railroad crossing surface for 67th Avenue East.

**Rationale**

The roadway railroad crossing has deteriorated and rehabilitation and upgrade to the existing facility is required to facilitate crossing safety. The crossing will be replaced with a concrete wearing surface with an estimated life of 50 years.

**Funding Strategy**

Gas Taxes



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	12/31/17	0	0	0	20,000	0	0	0	0	20,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/18	12/31/18	0	0	0	200,000	0	0	0	0	200,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/18	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	220,000	0	0	0	0	220,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

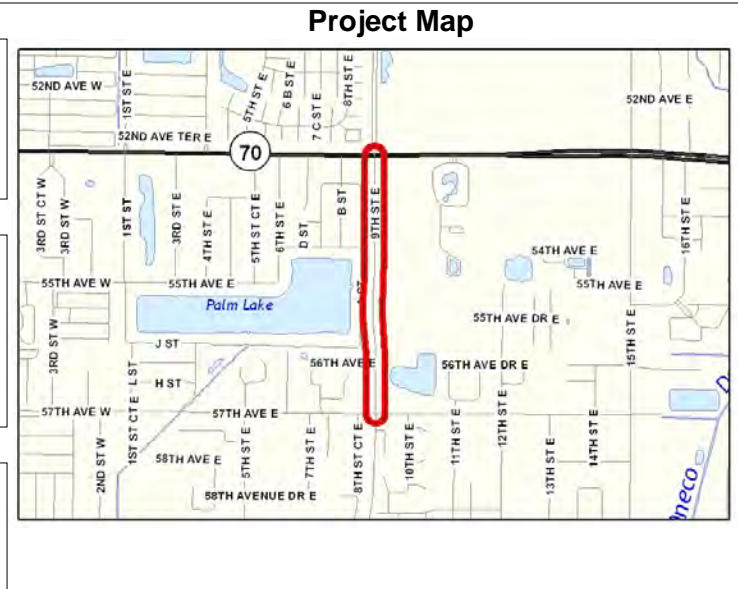
<b>Means of Financing</b>	
Funding Sources	Amount
Gas Taxes	220,000
<b>Total Funding:</b>	<b>220,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6040460</b>	<b>9th Street East - 53rd Avenue East - 57th Avenue East</b>
Status: Existing Initial Year: 2004 District 4 Location: 9th Street East - 53rd Avenue East - 57th Avenue East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Expand service through the upgrade of existing two lane roadway to a new four lane divided roadway facility with sidewalks and streetlights.



**Rationale**

Due to the level of service failure, a new four lane roadway is needed to accomodate traffic and safety requirements.

**Funding Strategy**

Gas Taxes  
 2004 Transportation Bonds  
 Impact Fees  
 Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>									
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date	
Design:	10/01/04	11/15/07	606,593	102,750	0	0	0	0	0	0	102,750	
Land:	11/16/07	06/30/12	2,060,528	3,924,047	0	0	0	0	0	0	3,924,047	
Construction:	07/01/12	10/31/16	3,321,228	4,947,931	0	0	0	0	0	0	4,947,931	
Equipment:			0	0	0	0	0	0	0	0	0	
Project Mgt.:	10/01/04	10/31/16	341,086	360,948	0	0	0	0	0	0	360,948	
<b>Totals:</b>			<b>6,329,435</b>	<b>9,335,676</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,335,676</b>	

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:	2,500	2,500	2,500	2,500	All Prior Funding	9,335,676
Operating Capital:					Total Funding:	9,335,676
Operating Total:	2,500	2,500	2,500	2,500		
No.of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6082560</b>	<b>9th Street East - CSX Railroad Crossing</b>
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Status: Existing Initial Year: 2012 District 2 Location: 9th Street East-9th Avenue East, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Mike Sturm**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Construction to provide safety improvements and roadway rehabilitation including new asphalt surface for railroad crossing approaches and replacement of the existing railroad / roadway crossing.

**Project Map**



**Rationale**

The roadway railroad crossing has deteriorated and rehabilitation and upgrade to the existing facility is required to facilitate crossing safety. The crossing will be replaced with a concrete wearing surface with an estimated life of 50 years.

**Funding Strategy**

Gas Taxes  
2004 Transportation Bonds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/11	03/31/15	4,824	90,000	0	0	0	0	0	0	90,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/15	12/31/16	381,627	334,950	0	0	0	0	0	0	334,950
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/11	12/31/16	25,002	10,000	0	0	0	0	0	0	10,000
<b>Totals:</b>			<b>411,453</b>	<b>434,950</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>434,950</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	434,950
<b>Total Funding:</b>	<b>434,950</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6052010</b>	<b>Advanced Traffic Management System Expansion - University Parkway</b>
Status: Existing Initial Year: 2015 District 5 Location: University Parkway		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Other Need</b>

**Scope**

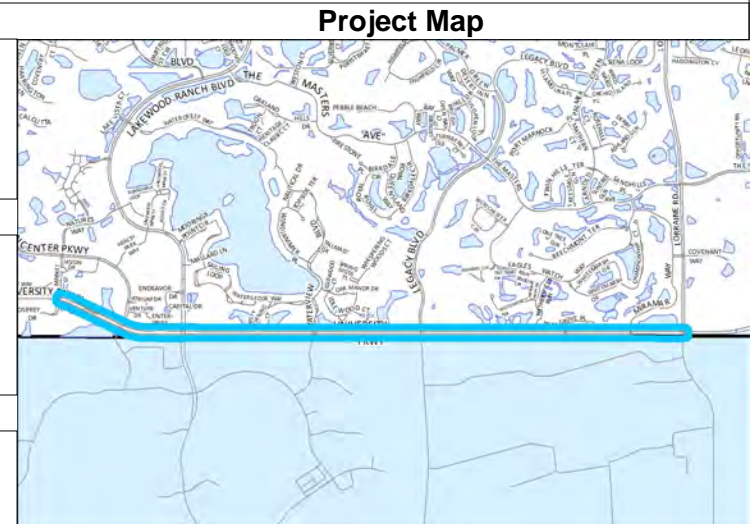
Install approximately three miles of fiber optic cable and other related equipment along University Parkway to connect six traffic signals to the Sarasota-Manatee Regional Traffic Management Center. Install and integrate two closed circuit television (CCTV) cameras, two microwave vehicle detection system devices, three Bluetooth based travel time measurement devices and two video vehicle detection systems along this corridor.

**Rationale**

Expand capabilities of the current Advanced Traffic Management System (ATMS) along University Parkway. Technologies mitigate traffic congestion, improve traffic operations, and provide traffic management and additional safety in Manatee County.

**Funding Strategy**

Gas Taxes



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	03/15/15	12/31/15	77,835	37,500	0	0	0	0	0	0	37,500
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/16	12/31/16	0	350,000	0	0	0	0	0	0	350,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	03/15/15	12/31/16	1,579	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>79,413</b>	<b>387,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>387,500</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	387,500
<b>Total Funding:</b>	<b>387,500</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6053260</b>	<b>Ancient Oaks Subdivision</b>
Status: Existing Initial Year: 2015 District 1 Location: Ancient Oaks Subdivision, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Brian Martineau</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Rebase and resurface the Ancient Oaks subdivision. This should not require additional drainage structures, but will require underdrains to be installed and existing structures modified.	
<b>Rationale</b>	
There is base failure throughout the subdivision, so general resurfacing will not be sufficient. Asphalt will be removed and the base will be replaced.	
<b>Funding Strategy</b>	
Gas Taxes	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	05/31/16	0	20,000	0	0	0	0	0	0	20,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/15	12/31/16	0	824,000	0	0	0	0	0	0	824,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>0</b>	<b>844,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>844,000</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:	500	500	500	500	All Prior Funding	844,000
Operating Capital:					Total Funding:	844,000
Operating Total:	500	500	500	500		
No.of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6012609</b>	<b>CDBG Funded Sidewalk - 21st St E-US 41N-12th Ave E - Palmetto</b>
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Status: Existing Initial Year: 2015 District 2 Location: 21st St E-US 41N-12th Ave, Palmetto

**Comprehensive Plan Information**

Project Mgr: **Taha Ataya**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construct 2,700 linear foot concrete sidewalk on 21st Street East from US 41 North to 12th Avenue East, Palmetto.

**Project Map**



**Rationale**

Provide continuous sidewalk network in this area that contains Palmetto Elementary, Tillman Elementary and Buffalo Creek Middle schools. This sidewalk will increase safety and reduce obstacles students face when walking and/or biking to and from school.

**Funding Strategy**

CDBG Funding

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	09/30/19	36,798	40,000	0	0	0	0	0	0	40,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	12/31/19	108,360	322,900	0	0	0	0	0	0	322,900
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/19	0	19,100	0	0	0	0	0	0	19,100
<b>Totals:</b>			<b>145,158</b>	<b>382,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>382,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	382,000
<b>Total Funding:</b>	<b>382,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>TR01202</b>	<b>Cortez Road - 43rd Street West Intersection</b>
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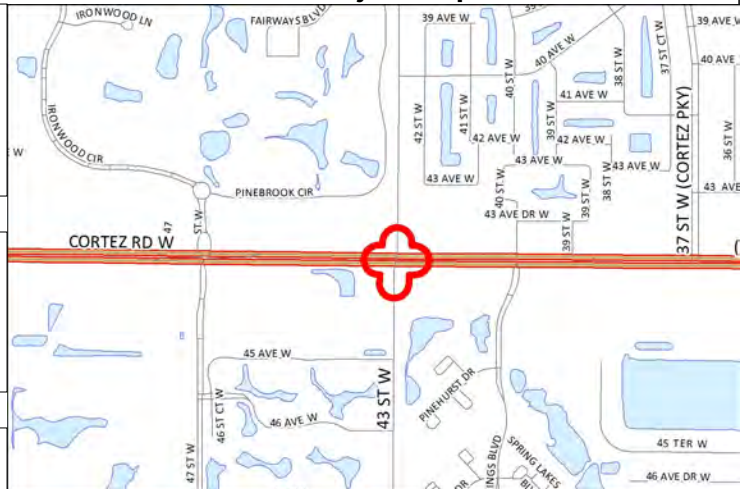
Status: Existing Initial Year: 2015 District 3 Location: Cortez Road-43rd Street West, Bradenton

**Comprehensive Plan Information** Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **Yes** Plan Reference: Project Need: **Growth**

**Scope** **Project Map**

Construct a separate northbound right turn lane and extend existing northbound left turn lane on to 43rd Street West at Cortez Road.



**Rationale**

Increase capacity and improve traffic operations.

**Funding Strategy**

Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	12/31/19	0	0	0	62,700	0	0	0	0	62,700
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/19	0	0	0	0	480,600	0	0	0	480,600
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/19	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	62,700	480,600	0	0	0	543,300

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	0	0	500	500
Operating Capital:				
Operating Total:	0	0	500	500
No.of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Gas Taxes	543,300
<b>Total Funding:</b>	<b>543,300</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6082160</b>	<b>Cortez Road - 86th Street West Intersection</b>
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Status: Existing Initial Year: 2012 District 3 Location: Cortez Road - 86th Street West, Bradenton

**Comprehensive Plan Information** Project Mgr: **Mike Sturm**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

<b>Scope</b>	<b>Project Map</b>
Replacement of existing signals with mast arm signals.	
<b>Rationale</b>	
To increase safety at intersection location.	
<b>Funding Strategy</b>	
2004 Transportation Bonds Federal / State Revenues and Grants	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/11	09/30/13	91,619	115,000	0	0	0	0	0	0	115,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/16	348,145	478,509	0	0	0	0	0	0	478,509
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/11	12/31/16	84,786	10,000	0	0	0	0	0	0	10,000
<b>Totals:</b>			<b>524,549</b>	<b>603,509</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>603,509</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	500	500	500	500
Operating Capital:				
Operating Total:	500	500	500	500
No. of Positions:	0	0	0	0

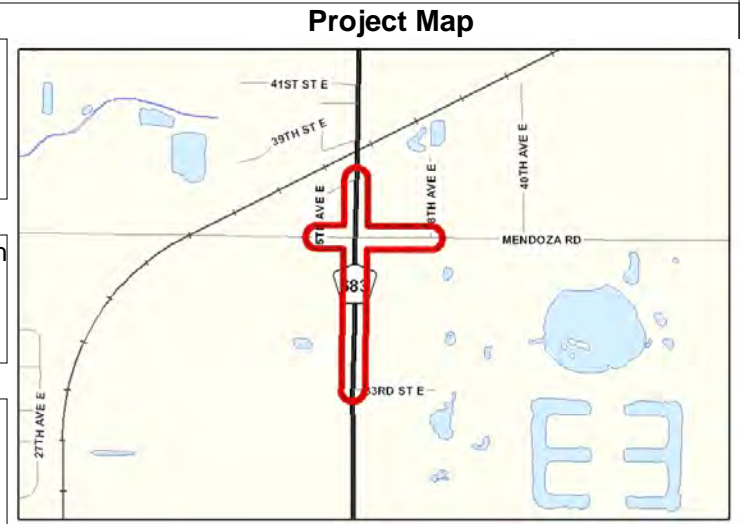
**Means of Financing**

Funding Sources	Amount
All Prior Funding	603,509
<b>Total Funding:</b>	<b>603,509</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>TR00542</b>	<b>Ellenton Gillette Road - Mendoza Road (37th Street East) Intersection Improvements</b>
Status: Existing Initial Year: 2017 Multi-district Location: Ellenton Gillette Road-Mendoza Road, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>
Installation of mast arm signalized intersection to include left turn lanes on all four legs of intersection.
<b>Rationale</b>
Traffic study data identified future capacity requirements including a fully signalized intersection with safety improvements.
<b>Funding Strategy</b>
Gas Taxes FDOT Participation Agreement



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	200,000	0	0	0	0	200,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/19	0	0	0	0	1,300,000	0	0	0	1,300,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>1,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>

<b>Operating Budget Impacts</b>				
	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	500	500	500	500
Operating Capital:				
Operating Total:	500	500	500	500
No.of Positions:	0	0	0	0

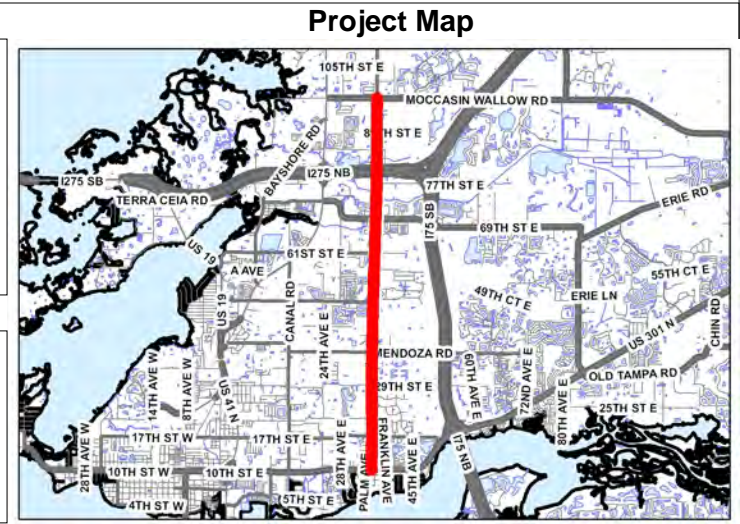
<b>Means of Financing</b>	
Funding Sources	Amount
Gas Taxes	200,000
Other	1,300,000
<b>Total Funding:</b>	<b>1,500,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6084560</b>	<b>Ellenton Gillette Road - US 301 / Moccasin Wallow Road</b>
Status: Existing Initial Year: 2013 District 2 Location: Ellenton Gillette Road, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Roadway functional improvements to include widening of existing roadway to 24', roadside ditch piping, and shoulder enhancement where necessary. Incorporate ATMS and signal upgrades at Moccasin Wallow Road and 17th Street. The project will replace existing water main located under existing pavement with new 12" PVC water main located outside of pavement along with hydrants and services.



**Rationale**

To enhance utilization of existing roadway facility and upgrade to current Florida Department of Transportation (FDOT) design standards.

**Funding Strategy**

Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	06/30/15	591,255	0	0	0	0	0	0	0	0
Land:	01/01/15	05/31/16	314,197	0	0	0	0	0	0	0	0
Construction:	07/01/16	12/31/18	2,684	2,725,000	2,000,000	1,550,000	0	0	0	0	6,275,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	12/31/18	41,452	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>949,587</b>	<b>2,725,000</b>	<b>2,000,000</b>	<b>1,550,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,275,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,725,000
Gas Taxes	3,550,000
<b>Total Funding:</b>	<b>6,275,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6084061</b>	<b>Ellenton Gillette at 69th Street</b>
Status: Existing Initial Year: 2017 District 1 Location: Ellenton Gillette Road - 69th Street, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Construct north, east and south bound left turn lanes and a northbound right turn lane at the intersection of Ellenton Gillette Road and 69th Street.



**Rationale**

Overall project is expected to improve capacity and operational efficiency of existing signalized intersection.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/17	0	0	300,000	0	0	0	0	0	300,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	300,000	0	0	0	0	0	300,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	500	500	500	500
Operating Capital:				
Operating Total:	500	500	500	500
No. of Positions:	0	0	0	0

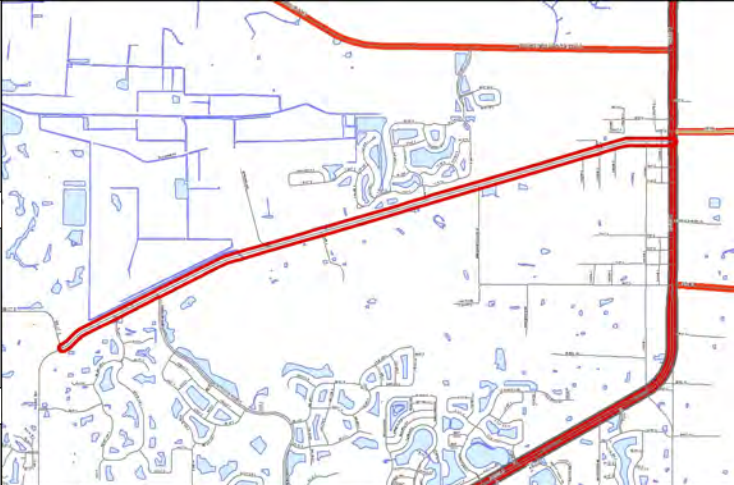
**Means of Financing**

Funding Sources	Amount
Impact Fees	300,000
<b>Total Funding:</b>	<b>300,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6082861</b>	<b>Erie Road - 69th Street East - US 301 - East/West Phase</b>
Status: Existing Initial Year: 2015 District 1 Location: Erie Road - 69th St E - US301, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Taha Ataya</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		
Project Need: <b>Maintenance</b>		

<b>Scope</b>	<b>Project Map</b>
Roadway functional improvements to include widening to 24' of roadside ditch piping and shoulder enhancement to FDOT standards.	
<b>Rationale</b>	
Enhance utilization of existing roadway facility to current FDOT design standards.	
<b>Funding Strategy</b>	
Gas Taxes	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	06/30/16	0	400,000	0	0	0	0	0	0	400,000
Land:	10/01/14	03/31/17	0	0	0	0	0	0	0	0	0
Construction:	04/01/17	03/31/18	0	500,000	0	0	0	0	0	0	500,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	03/31/18	10,874	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>10,874</b>	<b>900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>900,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	0	0	16,500	16,500
Operating Capital:				
Operating Total:	0	0	16,500	16,500
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	900,000
<b>Total Funding:</b>	<b>900,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6082860</b>	<b>Erie Road - US 301 - 69th Street East - North/South Phase</b>
Status: Existing Initial Year: 2012 District 1 Location: Erie Road - US 301 - 69th St E, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

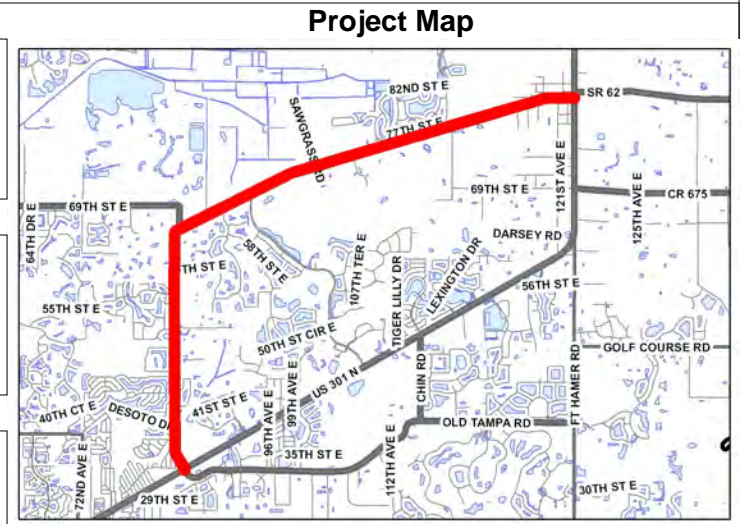
Roadway functional improvements to include widening to 24', roadside ditch piping, and shoulder enhancement where necessary.

**Rationale**

To enhance utilization of existing roadway facility and upgrade to current Florida Department of Transportation (FDOT) design standards.

**Funding Strategy**

Gas Taxes



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/11	03/31/16	93,288	502,000	0	0	0	0	0	0	502,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	12/31/17	2,712	3,100,000	0	0	0	0	0	0	3,100,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/11	12/31/17	130,012	23,000	0	0	0	0	0	0	23,000
<b>Totals:</b>			<b>226,011</b>	<b>3,625,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,625,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	11,000	11,000	11,000	11,000
Operating Capital:				
Operating Total:	11,000	11,000	11,000	11,000
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	3,625,000
<b>Total Funding:</b>	<b>3,625,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

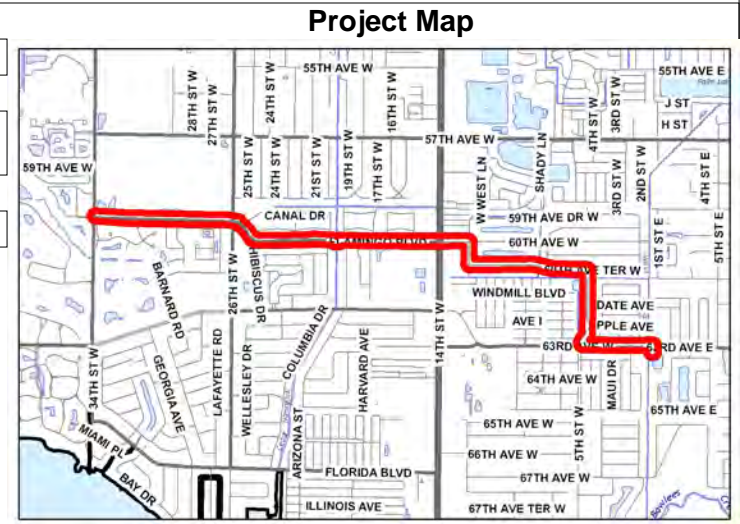
<b>Transportation</b>	Project# <b>6049100</b>	<b>Force Main 13A Sidewalk</b>
Status: Existing Initial Year: 2016 District 4 Location: 112 63rd Ave E - 34th St - 60th Ave W		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Design and construct sidewalk over Force Main 13A while the force main is being replaced.

**Rationale**

Sidewalk will be constructed while the area is disturbed for force main replacement, saving construction costs.



**Funding Strategy**

CRA Funding

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	05/01/16	07/31/16	0	16,238	0	0	0	0	0	0	16,238
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/16	12/31/17	0	129,150	0	0	0	0	0	0	129,150
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	05/01/16	12/31/17	0	26,932	0	0	0	0	0	0	26,932
<b>Totals:</b>			0	172,320	0	0	0	0	0	0	172,320

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	172,320
<b>Total Funding:</b>	<b>172,320</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6035560</b>	<b>Fort Hamer / Upper Manatee River Road - Bridge</b>
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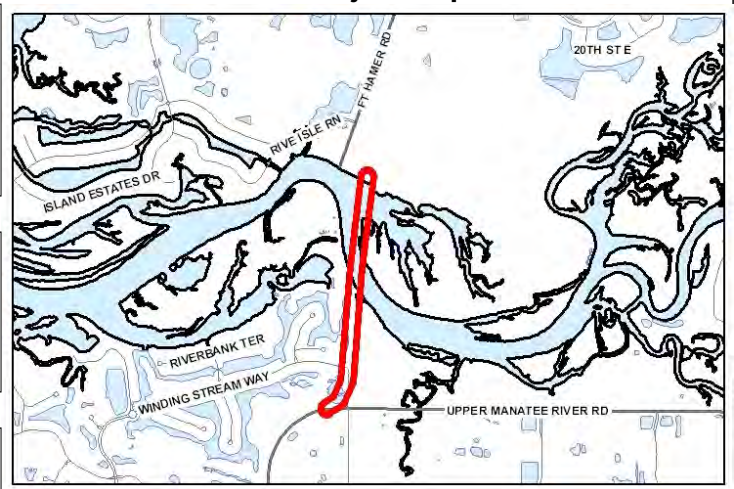
Status: Existing Initial Year: 2010 District 1 Location: Upper Manatee River Road - River Crossing - Ft. Hamer Road

**Comprehensive Plan Information** Project Mgr: **William Lorenzo**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

<b>Scope</b>	<b>Project Map</b>
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Design, permitting, land acquisition, and construction of a two lane bridge facility and connector roadways.



**Rationale**

To accomodate future growth and traffic capacity needs in the eastern area of the county. Will also enhance emergency services response, both north and south, depending upon resource availability. The project, when complete, will provide a parallel reliever roadway for I-75. The bridge will also enhance the ability of area residents to evacuate (north and south depending on storm track).

**Funding Strategy**

2004 Transportation Bonds  
Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/02	07/31/13	1,788,571	7,436,500	0	0	0	0	0	0	7,436,500
Land:	07/01/10	06/30/14	1,432,745	2,214,949	0	0	0	0	0	0	2,214,949
Construction:	10/01/14	12/31/17	15,453,394	22,944,682	0	0	0	0	0	0	22,944,682
Equipment:	07/01/14	03/31/17	5,500	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/02	12/31/17	585,030	131,692	0	0	0	0	0	0	131,692
<b>Totals:</b>			<b>19,265,239</b>	<b>32,727,823</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>32,727,823</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:	12,500	12,500	12,500	12,500
Non-Personal:				
Operating Capital:				
Operating Total:	12,500	12,500	12,500	12,500
No.of Positions:	0	0	0	0

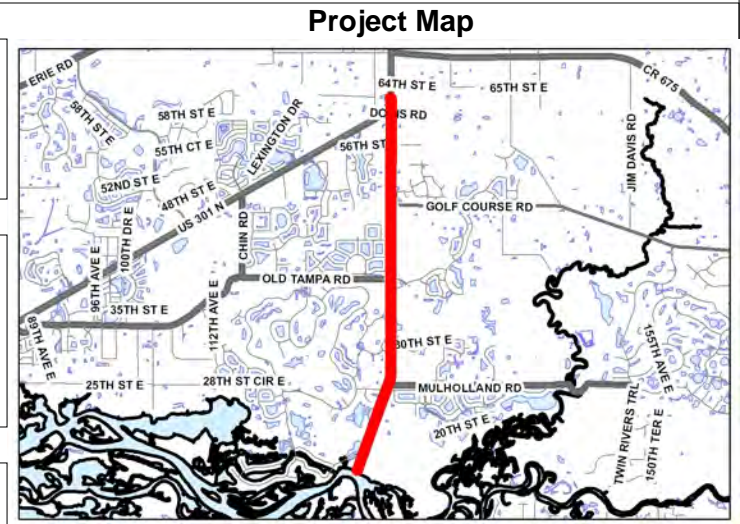
<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	32,727,823
<b>Total Funding:</b>	<b>32,727,823</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6054764</b>	<b>Fort Hamer Road - US 301 to Future Fort Hamer Bridge</b>
Status: Existing Initial Year: 2011 District 1 Location: Fort Hamer Road, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference: _____ Project Need: <b>Maintenance</b>

**Scope**

Roadway functional improvements to include widening of existing roadway to 24', roadside ditch piping, and shoulder enhancement where necessary, and in-fill of existing sidewalks.



**Rationale**

To enhance utilization of existing roadway facility and upgrade to current Florida Department of Transportation (FDOT) design standards.

**Funding Strategy**

Gas Taxes  
 2004 Transportation Bonds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/11	06/01/14	183,549	115,000	0	0	0	0	0	0	115,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	12/31/17	4,313,818	8,441,289	0	0	0	0	0	0	8,441,289
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/11	03/31/17	338,630	78,500	0	0	0	0	0	0	78,500
<b>Totals:</b>			<b>4,835,997</b>	<b>8,634,789</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,634,789</b>

**Operating Budget Impacts**

	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	8,634,789
<b>Total Funding:</b>	<b>8,634,789</b>

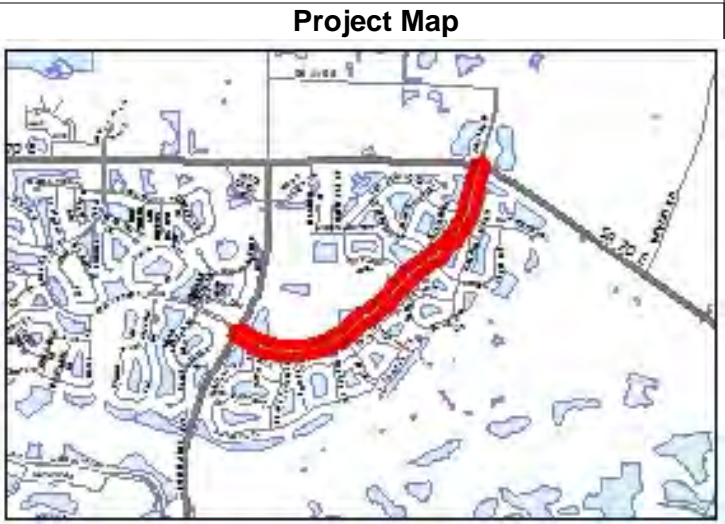


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6036360</b>	<b>Greenbrook Underdrain Replacement</b>
Status: Existing Initial Year: 2016 District 5 Location: Greenbrook Boulevard, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Deficiency</b>

**Scope**

The Greenbrook neighborhoods of the Ravines and the Preserve are located on the south side of Greenbrook Blvd, east of Lorraine Road. These two neighborhoods have subdrains to facilitate the drainage of groundwater away from the road base. The subdrain limits the volume of ground water wicking into the base and potentially damaging the base and road surface. In both neighborhoods, the subdrain is failing, causing damage to residential driveways, sidewalks, and the road shoulder. Additionally, the subdrain is not functioning as designed or intended, potentially allowing groundwater to move into the road base. The effected area includes over 2.5 miles of county owned and maintained roadway and approximately 300 single family homes.



**Rationale**

Manatee County Public Works has repaired numerous areas in these neighborhoods with spot repairs as necessary, which is labor intensive and inefficient. The project is intended to address the problem as a single repair project and remedy the deficiencies in one season with this project. This will provide relief to the maintenance staff as well as residents who continue to have settlement issues in their front yards and driveways.

**Funding Strategy**

Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	03/31/16	0	15,000	0	0	0	0	0	0	15,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/16	12/31/17	49	650,000	0	0	0	0	0	0	650,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			49	665,000	0	0	0	0	0	0	665,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	500	500	500	500
Operating Capital:				
Operating Total:	500	500	500	500
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	665,000
<b>Total Funding:</b>	<b>665,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>TR01337</b>	<b>Lakewood Ranch Boulevard ATMS</b>
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Status: Existing Initial Year: 2016 District 5 Location: Lakewood Ranch Boulevard, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Install four miles of fiber communication backbone to provide a redundant network path to support the countywide ATMS communication network. Install two CCTV cameras, three Bluetooth and one Microwave Vehicle Detection System device.

**Project Map**



**Rationale**

The project will connect the traffic signals within the project limit to the Regional Traffic Management Center (RTMC) and will also provide a redundant fiber communication network east of the interstate. In addition, this project will also add traffic monitoring devices such as CCTV cameras, bluetooth based travel time measurement devices and MVDS devices. Together, these devices will provide a variety of information to the county's traffic engineering staff and will aid in improving/maintaining the overall traffic flow.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	12/31/17	0	0	0	100,000	0	0	0	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/15	12/31/17	0	0	0	300,000	300,000	0	0	0	600,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>400,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Impact Fees	700,000
<b>Total Funding:</b>	<b>700,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6049960</b>	<b>Lakewood Ranch Boulevard Re-Base</b>
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Status: Existing Initial Year: 2016 District 5 Location: Lakewood Ranch Boulevard, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Rebase large section of Lakewood Ranch Boulevard between SR64 and SR70. This area was constructed in phases where the outside two lanes were first constructed more than 15 years ago and the inside two lanes five years ago. The original two lanes are showing significant base failures in the asphalt. Simple resurfacing will not work because the failure areas will reflect through and return in a short period of time. These areas requires significant over excavation to remove the base and possibly sub-base material and replace with suitable material. This level of work is beyond typical scale of standard maintenance resurfacing. The final step will be to resurface the entire roadway to unify the age and structural integrity and preserve the investment of the base repairs.

**Project Map**



**Rationale**

Lakewood Ranch Boulevard was constructed in two phases and the road is not wearing consistently. This project will unify the age and structural integrity and preserve the investment of the base repairs.

**Funding Strategy**

Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	12/31/16	0	0	10,000	0	0	0	0	0	10,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/17	0	0	1,320,000	0	0	0	0	0	1,320,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/13/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>1,330,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,330,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

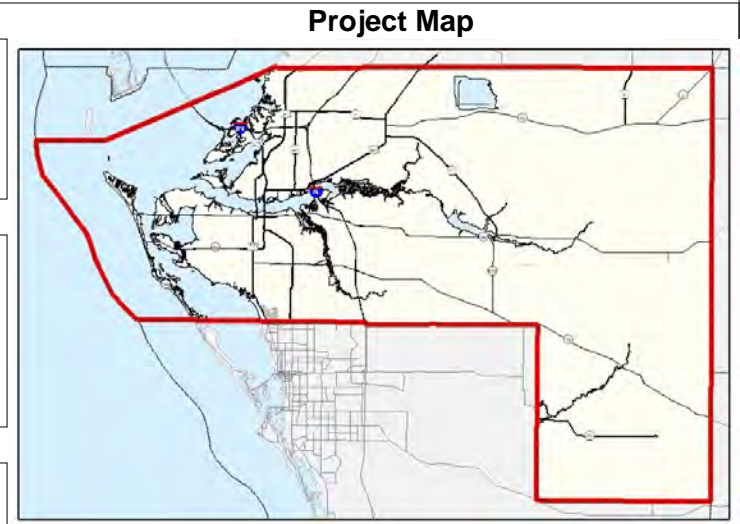
Funding Sources	Amount
Gas Taxes	1,330,000
<b>Total Funding:</b>	<b>1,330,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6053913</b>	<b>Land Acquisition - Countywide</b>
Status: Existing Initial Year: 2007 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Brian Martineau</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Other Need</b>

**Scope**

Land acquisition to support future roadway improvements.



**Rationale**

To support future roadway improvements proposed in the Manatee County Comprehensive Plan. Land purchases will be made in advance of design and construction of specific identified project segments and to coordinate cost effective purchase of right of way as properties become available for sale.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	06/27/07	09/30/21	300	581,501	0	0	0	0	0	0	581,501
Land:	06/27/07	09/30/21	60,497	537,552	0	0	0	0	0	0	537,552
Construction:	06/27/07	09/30/21	1,199	0	0	0	0	0	0	0	0
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	06/27/07	09/30/21	5,377	50,090	0	0	0	0	0	0	50,090
<b>Totals:</b>			<b>67,373</b>	<b>1,169,143</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,169,143</b>

**Operating Budget Impacts**

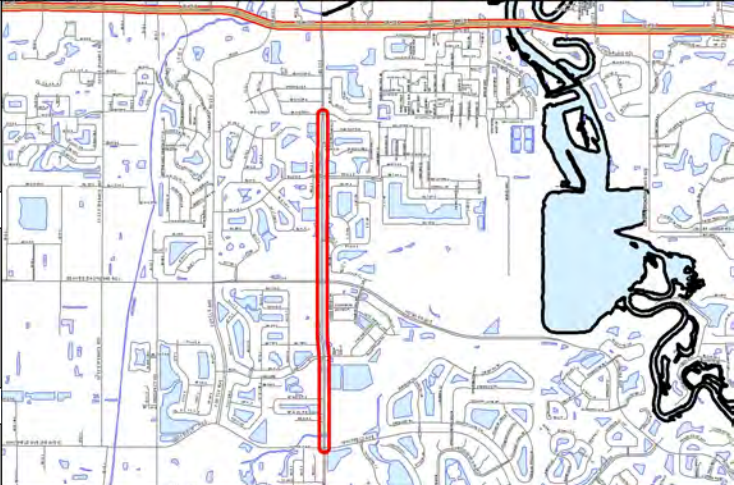
	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,169,143
<b>Total Funding:</b>	<b>1,169,143</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6009361</b>	<b>Lockwood Ridge Road - 56th Avenue Terrace East - Whitfield Avenue</b>
Status: Existing Initial Year: 2015 Multi-district Location: Lockwood Ridge Road - 56th Avenue Terrace East - Whitfield Avenue		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Brian Martineau</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove existing asphalt and base, stabilize sub-base, install new base and asphalt roadway. Repair curb inlets and stabilize area around cross drains.	
<b>Rationale</b>	
Base is failing on both north and south bound lanes on Lockwood Ridge Road. Failures are located throughout the base, not just at cross drain locations.	
<b>Funding Strategy</b>	
Gas Taxes	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	11/01/14	02/28/16	0	20,000	0	0	0	0	0	0	20,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	11/01/14	12/31/16	0	871,000	0	0	0	0	0	0	871,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	11/01/14	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>0</b>	<b>891,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>891,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	891,000
<b>Total Funding:</b>	<b>891,000</b>

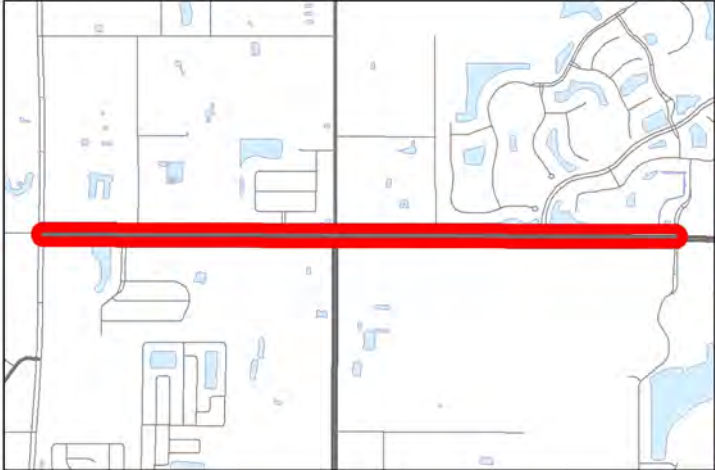
**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>TR01086</b>	<b>Moccasin Wallow Road - US 41 to Gateway Boulevard</b>
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Status: Existing Initial Year: 2017 District 1 Location: Moccasin Wallow Road-US 41-Gateway Blvd., Palmetto

**Comprehensive Plan Information** Project Mgr: **Jeff Streitmatter**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

<b>Scope</b>	<b>Project Map</b>
Four lane divided rural roadway with bike lanes and sidewalks.	
<b>Rationale</b>	
Expand service by improving existing traffic capacity between I-75 and Port Manatee.	
<b>Funding Strategy</b>	
Impact Fees	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	12/31/19	0	0	0	675,000	0	0	0	0	675,000
Land:	12/01/17	12/31/19	0	0	0	0	0	0	0	0	0
Construction:	01/01/18	12/31/21	0	0	0	0	7,200,000	0	0	0	7,200,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	675,000	7,200,000	0	0	0	7,875,000

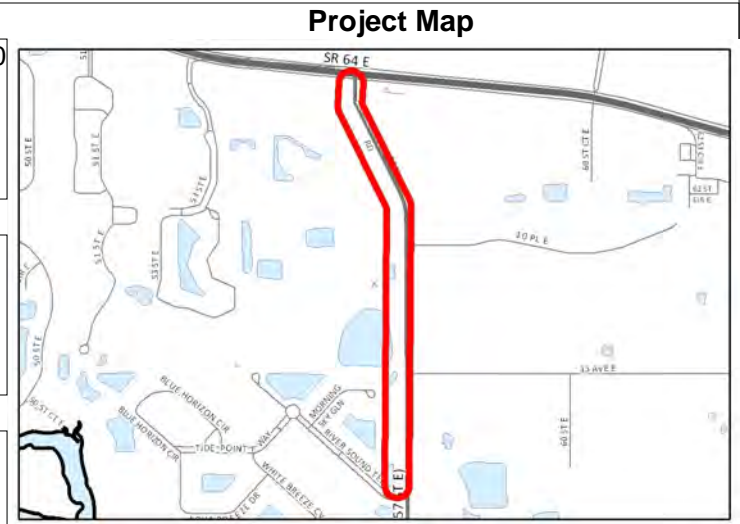
<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:					Impact Fees	7,875,000
Operating Capital:					Total Funding:	7,875,000
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6049761</b>	<b>Morgan Johnson Sidewalk - 44th Avenue East - SR 64</b>
Status: Existing Initial Year: 2011 District 5 Location: Morgan Johnson Road/SR 64, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Anthony Benitez</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Other Need</b>

**Scope**

Construct 2,950 linear feet of sidewalk and 250 linear feet of reinforced concrete pipe from the 1500 block of Morgan Johnson Road northward to SR 64.



**Rationale**

Provide new sidewalk to upgrade neighborhood and provide safe walking routes. Neighborhoods need updating and upgrading to conditions being required in new developments.

**Funding Strategy**

Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	07/01/11	06/30/13	125,618	0	0	0	0	0	0	0	0
Land:	07/01/11	06/30/16	0	175,000	0	0	0	0	0	0	175,000
Construction:	06/01/15	12/31/16	337,788	630,000	0	0	0	0	0	0	630,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	07/01/11	12/31/16	42,725	25,000	0	0	0	0	0	0	25,000
<b>Totals:</b>			<b>506,132</b>	<b>830,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>830,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	830,000
<b>Total Funding:</b>	<b>830,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6076660</b>	<b>Port Harbour Parkway Extension</b>
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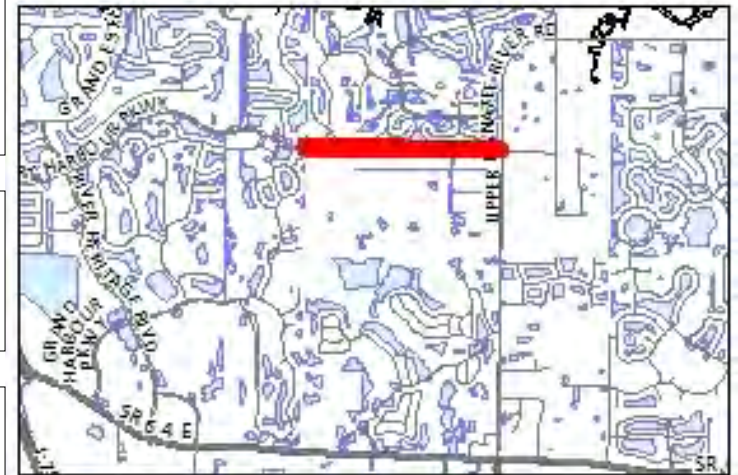
Status: Existing Initial Year: 2020 District 1 Location: Port Harbour Pkwy-Upper Manatee River Rd, Bradenton

**Comprehensive Plan Information** Project Mgr: **Jeff Streitmatter**

CIE Project: **Yes** LOS/Concurrency: **Yes** Plan Reference: Project Need: **Growth**

**Scope** **Project Map**

Construction of Port Harbour Parkway from its current terminus to Upper Manatee River Road.



**Rationale**

Construction of the extension will provide road improvements that will satisfy transportation concurrency requirements for future growth.

**Funding Strategy**

Developer Bonds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	09/30/21	0	2,299,202	0	0	0	0	0	0	2,299,202
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	09/30/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	2,299,202	0	0	0	0	0	0	2,299,202

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	2,299,202
<b>Total Funding:</b>	<b>2,299,202</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6044160</b>	<b>Rowlett Elementary School Sidewalks</b>
Status: Existing Initial Year: 2017 District 2 Location: 3500 9th Street East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Anthony Benitez</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Maintenance</b>		

**Scope**

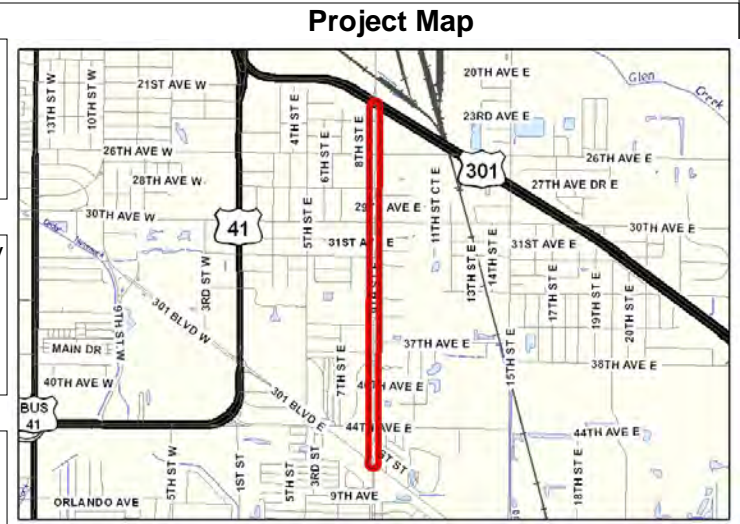
Install sidewalk along south side of 30th Avenue East from 9th Street East and provide drainage improvements.

**Rationale**

Provide safe pedestrian access to Rowlett Elementary School, as requested by the Manatee County School Board.

**Funding Strategy**

Gas Taxes  
2004 Transportation Bonds



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	04/05/10	12/31/16	251,375	111,304	0	0	0	0	0	0	111,304
Land:	04/01/15	12/31/16	31,166	455,415	0	0	0	0	0	0	455,415
Construction:	10/01/16	12/31/17	860,397	1,465,332	0	0	0	0	0	0	1,465,332
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	04/01/01	12/31/17	172,624	109,390	0	0	0	0	0	0	109,390
<b>Totals:</b>			<b>1,315,561</b>	<b>2,141,441</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,141,441</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,141,441
<b>Total Funding:</b>	<b>2,141,441</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6086161</b>	<b>Rye Road - SR 64 - Southbound Right Turn Lane</b>
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Status: Existing Initial Year: 2017 District 1 Location: Rye Road - SR 64, Bradenton

**Comprehensive Plan Information** Project Mgr: **Mike Sturm**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Construct southbound right turn lane. FDOT is planning intersection improvements at this location. The county participation includes a southbound right turn lane.

**Project Map**



**Rationale**

To enhance utilization of existing roadway facility and upgrade to current Florida Department of Transportation (FDOT) design standards.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/17	0	0	813,750	0	0	0	0	0	813,750
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	07/01/16	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	813,750	0	0	0	0	0	813,750

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

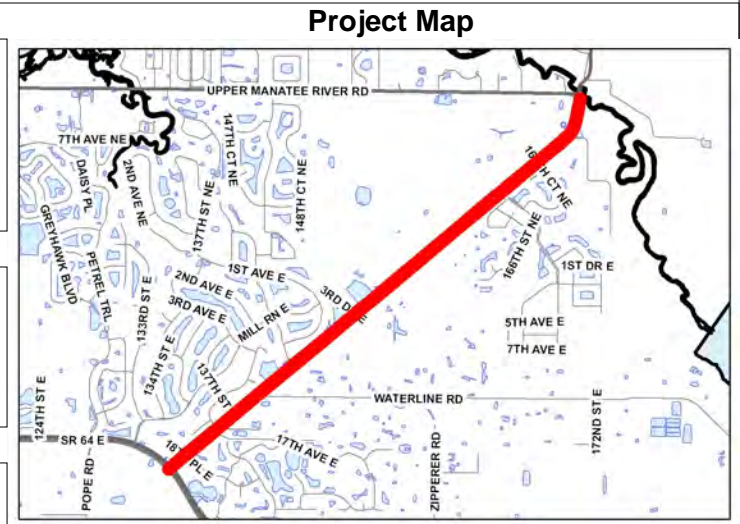
Funding Sources	Amount
Impact Fees	813,750
<b>Total Funding:</b>	<b>813,750</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6086160</b>	<b>Rye Road - SR 64 - Upper Manatee River Road</b>
Status: Existing Initial Year: 2014 District 1 Location: Rye Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Roadway functional improvements to include widening of existing roadway to 24', adding a turn lane at Water Line Service Road, roadside ditch piping, and shoulder enhancement where necessary. In addition, the existing force main will be upsized to accommodate expected capacity.



**Rationale**

To enhance utilization of existing roadway facility and upgrade to current Florida Department of Transportation (FDOT) design standards.

**Funding Strategy**

Gas Taxes  
Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	09/30/14	206,653	14,000	0	0	0	0	0	0	14,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/16	12/31/17	0	2,755,200	0	0	0	0	0	0	2,755,200
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/17	8,579	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>215,232</b>	<b>2,769,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,769,200</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	2,500	2,500	2,500	2,500
Operating Capital:				
Operating Total:	2,500	2,500	2,500	2,500
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,769,200
<b>Total Funding:</b>	<b>2,769,200</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6086360</b>	<b>SR 64 - 57th Street East (Morgan Johnson) Intersection</b>
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Status: Existing Initial Year: 2014 District 5 Location: SR 64 - Morgan Johnson Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Mike Sturm**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Provide dual northbound to westbound left turn lanes on Morgan Johnson Road, revise signal head locations on SR 64 signals, widen existing Morgan Johnson Road to a four lane section for approximately 1,100 linear feet south of SR 64.

**Project Map**



**Rationale**

To increase safety at intersection location.

**Funding Strategy**

Gas Taxes  
Federal / State Revenues and Grants

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	09/30/14	123,755	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/15	12/31/16	237,927	613,777	0	0	0	0	0	0	613,777
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	31,141	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>392,823</b>	<b>613,777</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>613,777</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	500	500	500	500
Operating Capital:				
Operating Total:	500	500	500	500
No.of Positions:	0	0	0	0

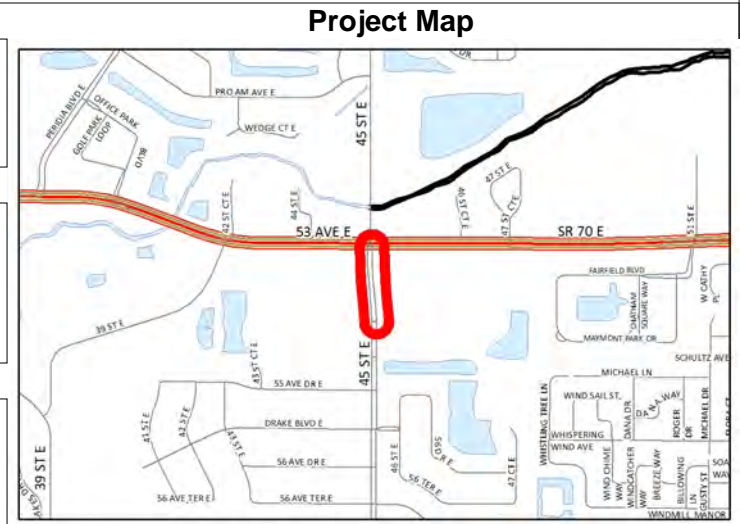
**Means of Financing**

Funding Sources	Amount
All Prior Funding	613,777
<b>Total Funding:</b>	<b>613,777</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6082361</b>	<b>SR 70 at Lockwood Ridge Road Northbound</b>
Status: Existing Initial Year: 2015 Multi-district Location: SR 70-Lockwood Ridge Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		
Project Need: <b>Other Need</b>		

<b>Scope</b>
Design and construct a second northbound right turn lane.
<b>Rationale</b>
Achieve and maintain adopted levels of service and to accommodate the needs of new growth.
<b>Funding Strategy</b>
Impact Fees



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/19	0	0	300,000	0	0	0	0	0	300,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/19	0	0	45,000	0	0	0	0	0	45,000
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>345,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>345,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	0	0	500	500
Operating Capital:				
Operating Total:	0	0	500	500
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Impact Fees	345,000
<b>Total Funding:</b>	<b>345,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6022960</b>	<b>Sunny Shores Mobile Home Park</b>
Status: Existing Initial Year: 2015 District 3 Location: Sunny Shores MHP, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Brian Martineau</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Maintenance</b>		

<b>Scope</b>	<b>Project Map</b>
Remove and replace asphalt and base and address the drainage in the area. This process cannot raise the existing road elevation and will be difficult with larger construction equipment due to the trailer setbacks and narrow roadways. It is intended to utilize existing base material by mixing in place, if possible.	
<b>Rationale</b>	
Roads in the subdivision are 12' to 20' wide with no defined drainage. Currently roads are repaired with patching. The roads currently hold water during rain events and roads will continue to fail.	
<b>Funding Strategy</b>	
Gas Taxes	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	11/01/14	02/28/16	19,710	10,500	0	0	0	0	0	0	10,500
Land:			0	0	0	0	0	0	0	0	0
Construction:	11/01/14	12/31/16	0	550,000	0	0	0	0	0	0	550,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	11/01/14	12/31/16	4,276	0	0	0	0	0	0	0	0
<b>Totals:</b>			23,986	560,500	0	0	0	0	0	0	560,500

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	12,500	12,500	12,500	12,500
Operating Capital:				
Operating Total:	12,500	12,500	12,500	12,500
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	560,500
<b>Total Funding:</b>	<b>560,500</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6059361</b>	<b>Tallevast Road Railroad Crossing Replacement</b>
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Status: Existing Initial Year: 2016 District 4 Location: Tallevast Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Anthony Benitez**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

This project provides funding for the replacement of the rail crossing surface on Tallevast Road just east of US 301. The existing crossing is a segmented rubber material between the rails and on either side of the tracks. The project will replace the rubber material with a long lasting concrete material to provide an estimated 30-50 year life compared to the 10 years for the rubber materials.

**Project Map**



**Rationale**

This project continues the proactive approach Manatee County has had with maintaining railroad crossings. The proposed concrete repairs will remove this crossing from a repair concern for the next 30 years or more.

**Funding Strategy**

Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	09/30/16	0	10,000	0	0	0	0	0	0	10,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/17	0	0	400,000	0	0	0	0	0	400,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	10,000	400,000	0	0	0	0	0	410,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	10,000
Gas Taxes	400,000
<b>Total Funding:</b>	<b>410,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6044600</b>	<b>Tallevast Road Sidewalks</b>
Status: Existing Initial Year: 2016 District 4 Location: Tallevast Rd., 15th St E-Post Office, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Anthony Benitez</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Maintenance</b>		

**Scope**

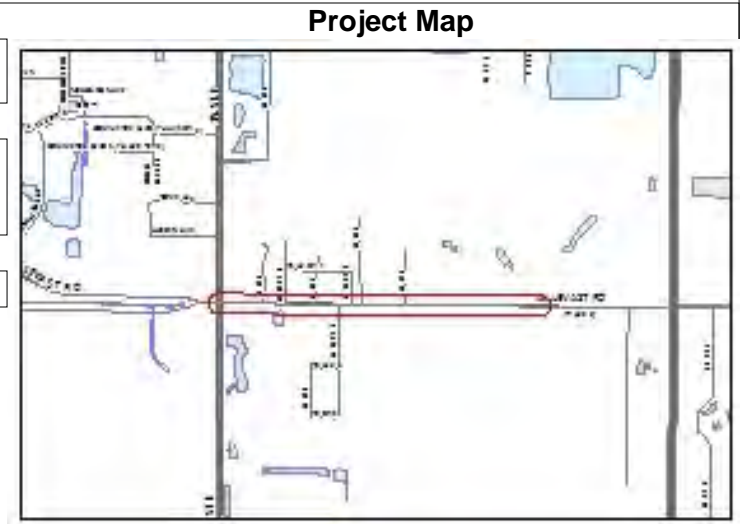
Install concrete sidewalk on north side of Tallevast Road from 15th Street East to the Post Office. Widen, mill and overlay from railroad tracks to frontage of Manatee County Transit Fleet Facility.

**Rationale**

Provide safe pedestrian access from 15th Street East to the Post Office along Tallevast Road. Functional improvements will widen existing road from 21 to 24 feet from railroad crossing to Post Office.

**Funding Strategy**

Gas Taxes



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	12/31/15	1,690	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/29/16	12/31/16	180,961	1,697,000	0	0	0	0	0	0	1,697,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/26/16	12/31/16	4,221	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>186,873</b>	<b>1,697,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,697,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,697,000
<b>Total Funding:</b>	<b>1,697,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6035161</b>	<b>US 301 - Ellenton Gillette Road Intersection Improvements</b>
Status: Existing Initial Year: 2014 District 2 Location: US 301 - Ellenton Gillette Road, Ellenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Expand services to upgrade existing intersection to mast arm signalized intersection, and expand left turn lanes on the west and north legs. Replace existing 6" PVC water main under Ellenton Gillette Road with 8" ductile iron water main, along with hydrants and services due to the road widening and the utility being under the road.



**Rationale**

To accommodate future development approval stipulations and anticipated future capacity requirements.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/10	06/30/15	352,433	0	0	0	0	0	0	0	0
Land:	10/01/11	03/31/16	138,450	1,300,000	0	0	0	0	0	0	1,300,000
Construction:	01/01/16	12/31/17	3,993	1,760,000	0	0	0	0	0	0	1,760,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/10	12/31/17	18,869	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>513,746</b>	<b>3,060,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,060,000</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:	500	500	500	500	All Prior Funding	3,060,000
Operating Capital:					Total Funding:	3,060,000
Operating Total:	500	500	500	500		
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6061960</b>	<b>US 301 - Fort Hamer Road Intersection</b>
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Status: Existing Initial Year: 2010 District 1 Location: US 301 at Fort Hamer Road, Parrish

**Comprehensive Plan Information**

Project Mgr: **Mike Sturm**

CIE Project: **Yes** LOS/Concurrency: **Yes** Plan Reference: Project Need: **Growth**

**Scope**

Intersection improvements including realignment and turn lanes for left turn on US 301 southbound and right turn on US 301 northbound directions. Add cul-de-sacs to 60th Street East and Doris Road to include connector roadway and signalization at Fort Hamer to provide an expanded intersection and accommodate increased capacity.

**Project Map**



**Rationale**

To expand services and enhance safety and access onto US 301, and to provide for anticipated increased capacity. This project is associated with the upcoming Fort Hamer / Upper Manatee River Road bridge crossing.

**Funding Strategy**

Impact Fees  
Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/10	06/30/10	521,604	1,334,513	0	0	0	0	0	0	1,334,513
Land:	07/01/10	03/31/12	1,313,309	0	0	0	0	0	0	0	0
Construction:	01/01/13	12/31/16	2,375,967	5,096,487	0	0	0	0	0	0	5,096,487
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/10	12/31/16	189,364	219,000	0	0	0	0	0	0	219,000
<b>Totals:</b>			<b>4,400,244</b>	<b>6,650,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,650,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	6,000	6,000	6,000	6,000
Operating Capital:				
Operating Total:	6,000	6,000	6,000	6,000
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	6,650,000
<b>Total Funding:</b>	<b>6,650,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6083906</b>	<b>US 301 - Tallevast Road - Capacity Improvements</b>
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Status: Existing Initial Year: 2015 District 4 Location: US 301 - Tallevast Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **Yes** Plan Reference: Project Need: **Growth**

**Scope**

Capacity improvements related to turn lanes at the intersection of Tallevast Road. The improvements will include the east bound approach on Tallevast to provide dedicated left, through and right turn lanes as well as receive the south bound turn lane; lengthen the south bound to west bound right turn lane on US 301 and lengthen the north bound to west bound left turn lane on US 301. All improvements are required by FDOT as part of the construction of the Transit Fleet Facility on Tallevast Road.

**Project Map**



**Rationale**

The new facility requires access point on Tallevast Road. New turn lanes are required to minimize the impact of the new driveway on the existing roadway traffic. The right turn lane will be the addition of that lane and the left turn lane will require widening the roadway to the south to make room for the turn lane. All work is intended to be done concurrently with the Transit Fleet Facility construction and construction contract to keep control and coordination of the construction site.

**Funding Strategy**

Impact Fees

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	12/31/15	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/16	12/31/17	526,745	799,616	0	0	0	0	0	0	799,616
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	13,748	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>540,493</b>	<b>799,616</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>799,616</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	1,500	1,500	1,500	1,500
Operating Capital:				
Operating Total:	1,500	1,500	1,500	1,500
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	799,616
<b>Total Funding:</b>	<b>799,616</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6086260</b>	<b>University Parkway at Waterview</b>
Status: Existing Initial Year: 2015 District 5 Location: University Parkway at Waterview		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		
Project Need: <b>Other Need</b>		

<b>Scope</b>	<b>Project Map</b>
Design and construction of a traffic signal at the University Parkway/Waterview intersection.	
<b>Rationale</b>	
Increase safety at the intersection.	
<b>Funding Strategy</b>	
Gas Taxes	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/14	03/31/15	109,504	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/15	12/31/16	584,116	757,186	0	0	0	0	0	0	757,186
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/14	12/31/16	63,565	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>757,185</b>	<b>757,186</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>757,186</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	500	500	500	500
Operating Capital:				
Operating Total:	500	500	500	500
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	757,186
<b>Total Funding:</b>	<b>757,186</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>6082660</b>	<b>Upper Manatee River Road - SR 64 to Curve</b>
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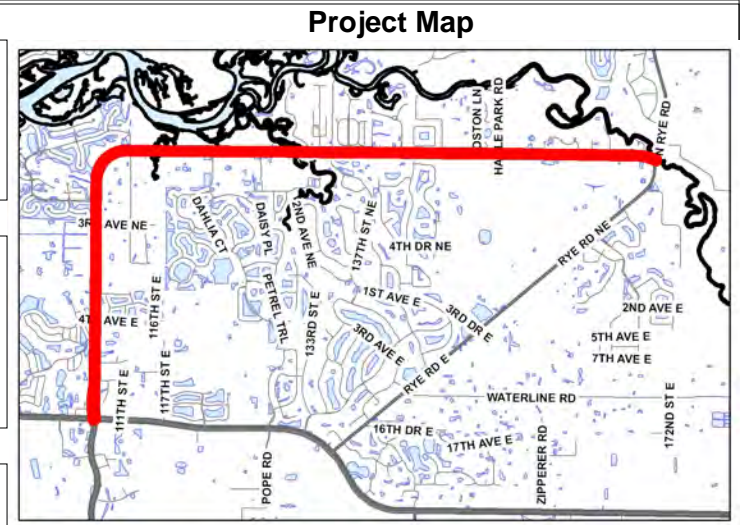
Status: Existing Initial Year: 2012 District 1 Location: Upper Manatee River Road, Bradenton

**Comprehensive Plan Information** Project Mgr: **William Lorenzo**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth, Maintenance**

**Scope**

Roadway functional improvements to include shoulder enhancement where necessary.



**Rationale**

To enhance utilization of existing roadway facility and upgrade to current Florida Department of Transportation (FDOT) design standards.

**Funding Strategy**

Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
			Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Activity	From	To									
Design:	10/01/11	09/30/14	71,825	190,000	0	0	0	0	0	0	190,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	03/31/17	1,139,034	3,311,612	0	0	0	0	0	0	3,311,612
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/11	03/31/17	300,287	10,000	0	0	0	0	0	0	10,000
<b>Totals:</b>			<b>1,511,146</b>	<b>3,511,612</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,511,612</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					All Prior Funding	3,511,612
Non-Personal:	5,500	5,500	5,500	5,500	Total Funding:	3,511,612
Operating Capital:						
Operating Total:	5,500	5,500	5,500	5,500		
No.of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Transportation</b>	Project# <b>TR01346</b>	<b>Wauchula Road Over Young's Creek Bridge Replacement</b>
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Status: Existing Initial Year: 2018 District 5 Location: Wauchula Road - Young's Creek

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Deficiency**

**Scope**

The bridge over Young's Creek on Wauchula Road (FDOT# 134049) was constructed in 1951. Wauchula Road is the easternmost north-south connector between SR 64 and SR 70 in the Myakka area and is integral for local residential, commercial, and agricultural traffic. The detour around the bridge is 18 miles (35 miles when using roads in Manatee County). This structure is posted for loads that are 65% of the normal legal load. The structure currently has a low health index rating of 60 (out of 100) and sufficiency rating of 29 (out of 100) Scheduling this structure replacement in the next 5 years will save on maintenance costs over time and begin to reinvest in the critical infrastructure in the heart of our agriculture business area.

**Project Map**



**Rationale**

This project begins the philosophy of proactive infrastructure management rather than a purely reactive approach. This structure on Wauchula Road is a critical failure point in the road network of the Myakka City area. Designing and replacing this structure prior to an emergency allows all design and engineering cost savings to be applied while still realizing the cost savings from reduced maintenance during the early part of anticipated 50 year life of the new structure.

**Funding Strategy**

Gas Taxes

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	55,000	0	0	0	0	55,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/20	0	0	0	0	900,000	0	0	0	900,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/20	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	55,000	900,000	0	0	0	955,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Gas Taxes	955,000
<b>Total Funding:</b>	<b>955,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Sources and Uses of Funds Plan Summary by Category**

Wastewater

<b>Source of Funds</b>	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
All Sources	61,342,062	154,206,647	0	0	0	0	0	0	154,206,647
Debt Proceeds	0	0	5,810,900	18,065,200	13,190,100	5,621,000	0	0	42,687,200
Facility Investment Fees	0	0	5,194,445	7,576,000	196,500	2,366,000	1,000,000	0	16,332,945
Rates	0	0	16,116,880	8,687,200	15,597,400	16,111,618	30,611,595	10,274,000	97,398,693
<b>Total Source of Funds</b>	<b>61,342,062</b>	<b>154,206,647</b>	<b>27,122,225</b>	<b>34,328,400</b>	<b>28,984,000</b>	<b>24,098,618</b>	<b>31,611,595</b>	<b>10,274,000</b>	<b>310,625,485</b>

<b>Use of Funds</b>	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total Budget
Wastewater Collections	1,468,435	9,741,898	1,312,500	5,500,000	0	1,000,000	1,000,000	0	18,554,398
Wastewater Growth Related Booster Static	0	567,000	323,775	8,273,950	6,289,200	674,448	0	0	16,128,373
Wastewater Restore/Rehab	7,055,044	54,477,989	8,300,050	7,352,000	10,099,500	9,613,130	8,882,000	0	98,724,669
Wastewater Transportation Related	813,220	3,390,551	326,000	0	0	1,000,000	1,000,000	0	5,716,551
Wastewater Treatment	52,005,363	86,029,209	16,859,900	13,202,450	12,595,300	11,811,040	20,729,595	10,274,000	171,501,494
<b>Total Use of Funds</b>	<b>61,342,062</b>	<b>154,206,647</b>	<b>27,122,225</b>	<b>34,328,400</b>	<b>28,984,000</b>	<b>24,098,618</b>	<b>31,611,595</b>	<b>10,274,000</b>	<b>310,625,485</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Wastewater	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Wastewater Collections</b>									
1 Force Main 41A Redirect to Tara 20 (6028388 / Existing)	0	0	1,312,500	5,500,000	0	0	0	0	6,812,500
2 Line Extension and Participation (WW01257 / Existing)	0	0	0	0	0	1,000,000	1,000,000	0	2,000,000
3 Parrish Village Force Main and Master Lift Station (6069180 / Existing)	1,378,211	6,461,898	0	0	0	0	0	0	6,461,898
4 Tara 20 Force Main Parallel to Lena Road (6079881 / Existing)	90,224	3,280,000	0	0	0	0	0	0	3,280,000
<b>Wastewater Collections</b>	<b>1,468,435</b>	<b>9,741,898</b>	<b>1,312,500</b>	<b>5,500,000</b>	<b>0</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>18,554,398</b>
<b>Wastewater Growth Related Booster Stations</b>									
5 Mocassin Wallow Road - 12" Force Main Extension (6066180 / Existing)	0	0	323,775	0	0	0	0	0	323,775
6 North Water Reclamation Facility Headworks Second Grit Removal System (WW01245 / Existing)	0	0	0	168,000	1,872,000	0	0	0	2,040,000
7 SR70 @ I-75 Interchange Wastewater Main & Facility Relocations (6053681 / Existing)	0	92,000	0	0	0	674,448	0	0	766,448
8 Southeast Water Reclamation Facility Dedicated Plant Drain Station (WW01248 / Existing)	0	0	0	187,950	1,239,600	0	0	0	1,427,550
9 Southeast Water Reclamation Facility Return Activated Sludge & Waste Activated Sludge System Upgrade (WW01249 / Existing)	0	0	0	306,000	2,325,600	0	0	0	2,631,600
10 Southeast Water Reclamation Facility Storage Lakes & Pump Back Station Improvements (WW01250 / Existing)	0	0	0	7,612,000	0	0	0	0	7,612,000
11 Southwest Water Reclamation Facility Bleach Tank Roofover (WW01256 / Existing)	0	0	0	0	852,000	0	0	0	852,000
12 Trevesta Subdivision Phase I - Sewer Line Installation (6087680 / Existing)	0	475,000	0	0	0	0	0	0	475,000
<b>Wastewater Growth Related Booster Stations</b>	<b>0</b>	<b>567,000</b>	<b>323,775</b>	<b>8,273,950</b>	<b>6,289,200</b>	<b>674,448</b>	<b>0</b>	<b>0</b>	<b>16,128,373</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Wastewater	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Wastewater Restore/Rehab</b>									
13 12A Motor Control Center Rehabilitation (WW01365 / Existing)	0	0	0	0	0	687,000	0	0	687,000
14 13A Motor Control Center Rehabilitation (WW01366 / Existing)	0	0	0	0	0	375,000	0	0	375,000
15 13A Wet Well Rehabilitation (WW01367 / Existing)	0	0	0	0	0	564,500	0	0	564,500
16 1M Motor Control Center Rehabilitation (WW01364 / Existing)	0	0	0	0	0	375,000	0	0	375,000
17 27A Motor Control Center Rehabilitation (WW01368 / Existing)	0	0	0	0	687,000	0	0	0	687,000
18 39A Motor Control Center Rehabilitation (WW01369 / Existing)	0	0	0	0	600,000	0	0	0	600,000
19 51st Street Gravity Main Sewer Replacement (6035782 / Existing)	1,806,291	3,372,000	0	0	0	0	0	0	3,372,000
20 Colony Cove 1 Phase III Gravity Sewer Replacement/Rehab (6005684 / Existing)	168	20,000	84,000	971,000	0	0	0	0	1,075,000
21 Colony Cove 1 and 2 - Gravity Sewer Rehabilitation (6005680 / Existing)	436,963	2,019,315	0	0	0	0	0	0	2,019,315
22 Colony Cove 2 - Sanitary Sewer Replacement/Rehab (6005683 / Existing)	5,274	20,000	106,000	1,440,000	0	0	0	0	1,566,000
23 End of Service Life Collection Line Replacement (WW01259 / Existing)	0	0	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000	0	17,500,000
24 End of Service Life Lift Stations Replacement & Generators (WW01258 / Existing)	0	0	0	0	1,500,000	1,500,000	1,500,000	0	4,500,000
25 Force Main 1/1C/Imperial House Replacement (6028389 / Existing)	0	0	53,000	390,000	0	0	0	0	443,000
26 Force Main 11 Replacement - 52nd Street (6022489 / Existing)	0	0	105,000	1,020,000	0	0	0	0	1,125,000
27 Force Main 11 Replacement - 56th Street & Holmes Road (WW01359 / Existing)	0	0	0	147,000	1,500,000	0	0	0	1,647,000
28 Force Main 12A Rehabilitation (6028386 / Existing)	94,577	4,815,000	0	0	0	0	0	0	4,815,000
29 Force Main 13A Rehabilitation (6049181 / Existing)	488,728	6,336,699	1,575,000	0	0	0	0	0	7,911,699
30 Force Main 17A Replacement (6028385 / Existing)	29,035	433,000	0	0	0	0	0	0	433,000



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Wastewater	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
31 Force Main 18M Rehabilitation (6083780 / Existing)	71,387	750,000	0	0	0	0	0	0	750,000
32 Force Main 1D Rehabilitation (6035781 / Existing)	367,656	5,820,000	0	0	0	0	0	0	5,820,000
33 Force Main 1M Rehabilitation (6085780 / Existing)	528,041	8,390,000	0	0	0	0	0	0	8,390,000
34 Force Main 23A Replacement (6022488 / Existing)	33,580	403,000	0	0	0	0	0	0	403,000
35 Force Main 27A Rehabilitation (6023180 / Existing)	42,484	2,040,000	0	0	0	0	0	0	2,040,000
36 Force Main 27A from 51st Street West to the Southwest Water Reclamation Facility (6082980 / Existing)	2,399,639	6,350,000	0	0	0	0	0	0	6,350,000
37 Force Main 30A Replacement (6028387 / Existing)	0	0	36,800	384,000	0	0	0	0	420,800
38 Force Main 31A Replacement (6052181 / Existing)	32,012	1,150,000	0	0	0	0	0	0	1,150,000
39 Force Main 33A Replacement (WW01360 / Existing)	0	0	0	0	105,000	1,080,000	0	0	1,185,000
40 Force Main 5 Rehabilitation (Anna Maria Island) (6041585 / Existing)	453,747	5,004,000	2,330,000	0	0	0	0	0	7,334,000
41 Force Main Orlando Avenue Replacement (WW01362 / Existing)	0	0	0	0	0	63,000	510,000	0	573,000
42 MLS 12A Emergency Generator Replacement (6022384 / Existing)	43,656	507,750	0	0	0	0	0	0	507,750
43 MLS 12A Pumps & Variable Frequency Drive Replacement (WW01226 / Existing)	0	0	0	0	0	500,000	0	0	500,000
44 MLS 12A Wet Well Rehab & Dimminutor Replacement (6022287 / Existing)	7,254	848,250	0	0	0	0	0	0	848,250
45 MLS 13A Emergency Generator Replacement (6022382 / Existing)	42,104	972,175	0	0	0	0	0	0	972,175
46 MLS 1D Electrical Rehab (WW01412 / Requested)	0	0	0	0	0	0	387,000	0	387,000
47 MLS 1D Wet Well Rehab & Dimminutor Replacement (6060789 / Existing)	2,676	888,250	0	0	0	0	0	0	888,250
48 MLS 1M Emergency Generator Replacement (6022383 / Existing)	39,516	627,750	0	0	0	0	0	0	627,750
49 MLS 27A Emergency Generator Replacement (6022289 / Existing)	39,588	677,750	0	0	0	0	0	0	677,750

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Wastewater	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
50 MLS 27A Pumps and Variable Frequency Drive Replacement (WW01232 / Existing)	0	0	0	0	500,000	0	0	0	500,000
51 MLS 39A Emergency Generator Replacement (WW01233 / Existing)	0	0	0	0	457,000	0	0	0	457,000
52 MLS 39A Pumps & Variable Frequency Drive Replacement (6017982 / Existing)	29,445	588,250	702,000	0	0	0	0	0	1,290,250
53 MLS 5 Electrical Improvements (WW01413 / Requested)	0	0	0	0	0	0	387,000	0	387,000
54 MLS 5 Wet Well Rehabilitation (6060786 / Existing)	276	507,750	258,000	0	0	0	0	0	765,750
55 MLS Lakewood Ranch Emergency Generator Replacement (WW01237 / Existing)	0	0	0	0	795,000	0	0	0	795,000
56 MLS Lakewood Ranch Wet Well Rehabilitation (WW01238 / Existing)	0	0	0	0	455,500	0	0	0	455,500
57 MLS N1-B Dimminutor Replacement (6022288 / Existing)	2,152	529,375	0	0	0	0	0	0	529,375
58 MLS N1-B Emergency Generator Replacement (6060787 / Existing)	27,138	507,750	230,250	0	0	0	0	0	738,000
59 MLS N1-B Motor Control Center Rehab (WW01414 / Requested)	0	0	0	0	0	0	687,000	0	687,000
60 MLS N1-B Pumps & Variable Frequency Drive Replacement (WW01241 / Existing)	0	0	0	0	0	0	500,000	0	500,000
61 MLS Tara 20 Wet Well Rehabilitation (6060788 / Existing)	4,155	392,175	0	0	0	0	0	0	392,175
62 MLS Tideview 4 Emergency Generator Replacement (6060785 / Existing)	27,502	507,750	250,000	0	0	0	0	0	757,750
63 Sewer Screening System for Detention Center (WW01411 / Requested)	0	0	0	0	0	468,630	0	0	468,630
64 Tidevue Electrical Rehab (WW01415 / Requested)	0	0	0	0	0	0	411,000	0	411,000
65 Trailer Estates Restore & Rehab (6018082 / Requested)	0	0	70,000	0	0	0	0	0	70,000
<b>Wastewater Restore/Rehab</b>	<b>7,055,044</b>	<b>54,477,989</b>	<b>8,300,050</b>	<b>7,352,000</b>	<b>10,099,500</b>	<b>9,613,130</b>	<b>8,882,000</b>	<b>0</b>	<b>98,724,669</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Wastewater	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Wastewater Transportation Related</b>									
66 45th Street East - 44th Avenue East - SR 70 - Sewer (6025682 / Existing)	28,225	703,576	0	0	0	0	0	0	703,576
67 53rd Avenue West (43rd Street West - 75th Street West) Reclaimed Water (6082990 / Existing)	522,289	700,000	0	0	0	0	0	0	700,000
68 Erie Road North - US301 - Utility Relocations (6082880 / Existing)	0	0	326,000	0	0	0	0	0	326,000
69 Rye - SR 64 - Upper Manatee River Road - Sewer (6086180 / Existing)	236,414	1,950,000	0	0	0	0	0	0	1,950,000
70 Transportation Related - Wastewater (WW01372 / Existing)	0	0	0	0	0	1,000,000	1,000,000	0	2,000,000
71 US301 - CR 675 - Moccasin Wallow Road - Sewer (6085480 / Existing)	26,292	36,975	0	0	0	0	0	0	36,975
<b>Wastewater Transportation Related</b>	<b>813,220</b>	<b>3,390,551</b>	<b>326,000</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>0</b>	<b>5,716,551</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Wastewater	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
<b>Wastewater Treatment</b>									
72 Cortez Road DIW Booster Station (WW01410 / Requested)	0	0	0	0	0	315,000	2,520,000	0	2,835,000
73 Deep Injection Well Booster Station (WW01222 / Existing)	0	0	0	740,250	5,151,300	0	0	0	5,891,550
74 Manatee Agricultural Reclaimed System Chlorination at Southwest Water Reclamation Facility (6082190 / Existing)	419,132	765,000	0	0	0	0	0	0	765,000
75 Manatee Agricultural Reuse Supply - Erie Road Main Tie-In (6085590 / Existing)	0	311,000	0	2,076,000	0	0	0	0	2,387,000
76 Manatee Agricultural Reuse Supply - Management Improvements (6082091 / Existing)	982,412	4,890,000	0	0	0	0	0	0	4,890,000
77 Manatee Reclaimed System Booster Pump Stations (WW00968 / Existing)	0	0	0	0	0	703,500	4,912,600	0	5,616,100
78 Manatee Reclaimed System Reclaim Participation (WW01373 / Existing)	0	0	0	0	0	100,000	100,000	0	200,000
79 NWRf 10MG Reclaimed Water Storage Tank and High Service Pump Station (WW01422 / Requested)	0	0	0	0	0	0	785,500	10,274,000	11,059,500
80 NWRf Reclaimed Water Storage Lake Improvements (WW01421 / Requested)	0	0	0	0	0	315,000	2,800,000	0	3,115,000
81 North Water Reclamation Facility 4th Belt Filter Press & BFP Automation (WW01244 / Existing)	0	0	0	0	393,000	2,732,000	0	0	3,125,000
82 North Water Reclamation Facility Class I Deep Injection Well (6079480 / Existing)	1,139,022	11,797,719	9,100,000	0	0	0	0	0	20,897,719
83 North Water Reclamation Facility Equalization Tank (6088490 / Existing)	463,500	1,184,000	6,004,900	0	0	0	0	0	7,188,900
84 North Water Reclamation Facility Secondary Clarifier 1 & 2 Refurbishment (WW01246 / Existing)	0	0	0	241,500	1,920,000	0	0	0	2,161,500
85 North Water Reclamation Facility Sludge Holding Improvements (6050581 / Existing)	3,874,431	4,595,000	0	0	0	0	0	0	4,595,000
86 North Water Reclamation Facility South Chlorine Contact Chamber Refurbishment (WW01247 / Existing)	0	0	0	119,700	1,034,400	0	0	0	1,154,100

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Wastewater	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
87 SEWRF & Landfill Network Connection (6088680 / Requested)	0	0	390,000	0	0	0	0	0	390,000
88 SEWRF Anoxic Basin Mixer Replacement (WW01417 / Requested)	0	0	0	0	0	240,000	1,820,000	0	2,060,000
89 SEWRF Arc Flash Mitigation (WW01420 / Requested)	0	0	0	0	475,000	0	0	0	475,000
90 SEWRF Automatic Backwash Filter Refurbishment (WW01418 / Requested)	0	0	0	0	0	113,000	1,275,000	0	1,388,000
91 SEWRF Refurbishment of Automatic Backwash Filters 1 & 2 (6087780 / Existing)	10,754	830,000	0	0	0	0	0	0	830,000
92 SEWRF Slide & Sluice Gates Replacement (WW01416 / Requested)	0	0	0	0	0	122,000	923,000	0	1,045,000
93 SSWRF Second Cloth Filter (WW01423 / Requested)	0	0	0	0	0	319,000	2,425,000	0	2,744,000
94 Southeast Water Reclamation Facility 10 Million Gallon Storage Tanks and Interconnection (6084880 / Existing)	8,650,126	11,248,747	0	0	0	0	0	0	11,248,747
95 Southeast Water Reclamation Facility Headworks Rehabilitation (6083380 / Existing)	2,152,014	2,450,000	0	0	0	0	0	0	2,450,000
96 Southeast Water Reclamation Facility Internal Recycle Pumps (6083580 / Existing)	2,532,510	2,910,000	0	0	0	0	0	0	2,910,000
97 Southeast Water Reclamation Facility Lake Filtering System - Slope Stabilization (6073780 / Existing)	5,345,208	6,545,000	0	0	0	0	0	0	6,545,000
98 Southeast Water Reclamation Facility Maintenance Building (6085080 / Existing)	2,986,699	3,036,000	0	0	0	0	0	0	3,036,000
99 Southeast Water Reclamation Facility Septage Receiving Station (6083480 / Existing)	1,836,740	4,400,500	0	0	0	0	0	0	4,400,500
100 Southwest Water Reclamation Facility - Electrical Distribution System Rehab/Enhancement (WW01370 / Existing)	0	0	0	0	0	1,230,540	3,168,495	0	4,399,035
101 Southwest Water Reclamation Facility Automatic Backwash Filter Rehabilitation (6016681 / Existing)	1,423,781	2,459,000	0	0	0	0	0	0	2,459,000

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**  
**Uses of Funds by Project and Category**

Wastewater	Actual	Budget	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Total
102 Southwest Water Reclamation Facility Belt Filter Press Electrical Rehabilitation & Monitoring (WW01251 / Existing)	0	0	0	455,000	3,174,600	0	0	0	3,629,600
103 Southwest Water Reclamation Facility Class V Recharge Well & Aquifer Storage Recovery Well (6069081 / Existing)	1,803,708	6,627,000	0	0	0	0	0	0	6,627,000
104 Southwest Water Reclamation Facility Equalization System Rehabilitation (WW01254 / Existing)	0	0	0	0	447,000	5,621,000	0	0	6,068,000
105 Southwest Water Reclamation Facility New Headworks (6083381 / Existing)	0	0	1,365,000	9,570,000	0	0	0	0	10,935,000
106 Southwest Water Reclamation Facility Process Modifications for Nitrogen Removal (6079080 / Existing)	18,385,326	21,980,243	0	0	0	0	0	0	21,980,243
<b>Wastewater Treatment</b>	<b>52,005,363</b>	<b>86,029,209</b>	<b>16,859,900</b>	<b>13,202,450</b>	<b>12,595,300</b>	<b>11,811,040</b>	<b>20,729,595</b>	<b>10,274,000</b>	<b>171,501,494</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 41A Redirect to Tara 20</b>
<b>Wastewater Collections</b>	<b>6028388</b>	

Status: Existing Initial Year: 2014 District 5 Location: Whitfield Ave - Old Farm Road - Winslow Ave, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Install approximately 21,000 linear feet of 16 inch and 20 inch force main. Install 20 inch force main along Whitfield Avenue, Old Farm Road and Winslow Avenue, from Pump Station 454 to the existing 16 inch force main. Install 16 inch force main from the proposed 20 inch connection to Pump Station 323.

**Project Map**



**Rationale**

Divert wastewater flow from 41A to Tara 20 instead of 39A. This will allow for improved capacity through Master Lift Station 39A service area. As Tara 20 and 41A areas are currently built out, the combined systems with these added improvements will be able to handle the maximum peak flow demands combined between 41A and Tara 20. Lift Station Tara 20 has been previously upgraded.

**Funding Strategy**

Facility Investment Fees - Sewer

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	09/30/17	0	0	1,000,000	0	0	0	0	0	1,000,000
Land:	01/01/17	06/30/17	0	0	250,000	0	0	0	0	0	250,000
Construction:	10/01/17	12/31/19	0	0	0	5,000,000	0	0	0	0	5,000,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/19	0	0	62,500	500,000	0	0	0	0	562,500
<b>Totals:</b>			0	0	1,312,500	5,500,000	0	0	0	0	6,812,500

**Operating Budget Impacts**

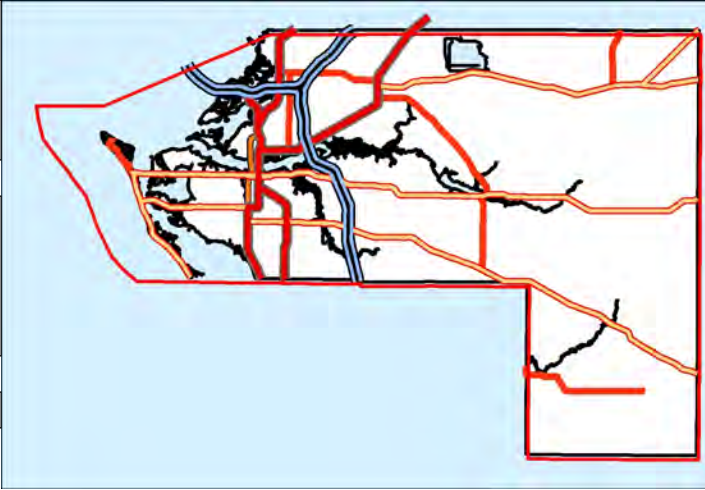
	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Facility Investment Fees	6,812,500
<b>Total Funding:</b>	<b>6,812,500</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Line Extension and Participation</b>
<b>Wastewater Collections</b>	<b>WW01257</b>	
Status: Existing Initial Year: 2020 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Countywide line extension and participation as deemed necessary for growth.	
<b>Rationale</b>	
Line extension and participation necessary to maintain and expand an operable utility system.	
<b>Funding Strategy</b>	
Facility Investment Fees - Sewer	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/21	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	09/30/21	0	0	0	0	0	1,000,000	1,000,000	0	2,000,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	09/30/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	0	0	1,000,000	1,000,000	0	2,000,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Facility Investment Fees	2,000,000
<b>Total Funding:</b>	<b>2,000,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Parrish Village Force Main and Master Lift Station</b>
<b>Wastewater Collections</b>	<b>6069180</b>	

Status: Existing Initial Year: 2008 District 1 Location: SR 62 - Erie Road, Parrish

**Comprehensive Plan Information**

Project Mgr: **Anthony Benitez**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construction of a new force main and master lift station to connect to the existing 16" force main on US 301 and Erie Road.

**Project Map**



**Rationale**

New force main and lift station needed due to future population growth and usage. This project is related to the US 301 - Erie Road/Old Tampa Road to County Road 675 project. This system will provide wastewater service to the Village of Parrish and alleviate the potential future overload of the existing lift station. Project construction to be scheduled relative to corresponding future sewer system demand and requirements.

**Funding Strategy**

Utility Rates  
 Facility Investment Fees - Sewer  
 Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/15	06/30/15	560,019	599,500	0	0	0	0	0	0	599,500
Land:	10/01/08	09/30/12	242,773	564,048	0	0	0	0	0	0	564,048
Construction:	10/01/16	12/31/18	487,946	5,230,000	0	0	0	0	0	0	5,230,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/08	12/31/18	87,473	68,350	0	0	0	0	0	0	68,350
<b>Totals:</b>			<b>1,378,211</b>	<b>6,461,898</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,461,898</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	6,461,898
<b>Total Funding:</b>	<b>6,461,898</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Tara 20 Force Main Parallel to Lena Road</b>
<b>Wastewater Collections</b>	<b>6079881</b>	

Status: Existing Initial Year: 2014 District 5 Location: 85th Blvd East (Lena Rd) from SR 70 to 41st Avenue East, Bradenton

**Comprehensive Plan Information** Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth, Maintenance**

**Scope**

Install approximately 8,700 linear feet of 20 inch force main to parallel the existing 20 inch force main along 85th Boulevard East (Lena Road) from SR 70 to 41st Street East to the existing 30 inch force main. Force main cleaning includes running a manufactured "pigging" device through the line. Long force mains are typically equipped with "pig" insertion retrieval stations, the "pig" is a device sent through the pipe to ensure the pipe is clean of debris. This project would add "pig" stations to the Tara 20 Force main for easier access.

**Project Map**



**Rationale**

To allow for the diversion of wastewater flow currently from 41A to 39A, to flow from 41A to Tara 20. This will improve capacity through Master Lift Station 39A for future growth in this service area. As Tara 20 and 41A are currently built out, the combined systems with these added improvements will be able to handle the maximum peak flow demands combined with 41A and Tara 20.

**Funding Strategy**

Utility Rates  
 Facility Investment Fees - Sewer

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	02/28/15	36,930	505,000	0	0	0	0	0	0	505,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/16	12/31/17	7,711	2,775,000	0	0	0	0	0	0	2,775,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/17	45,583	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>90,224</b>	<b>3,280,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,280,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	3,280,000
<b>Total Funding:</b>	<b>3,280,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Mocassin Wallow Road - 12" Force Main Extension</b>
<b>Wastewater Growth Related Booster Stations</b>	<b>6066180</b>	
Status: Existing Initial Year: 2016 District 1 Location: US 41 - Mocassin Wallow Road, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

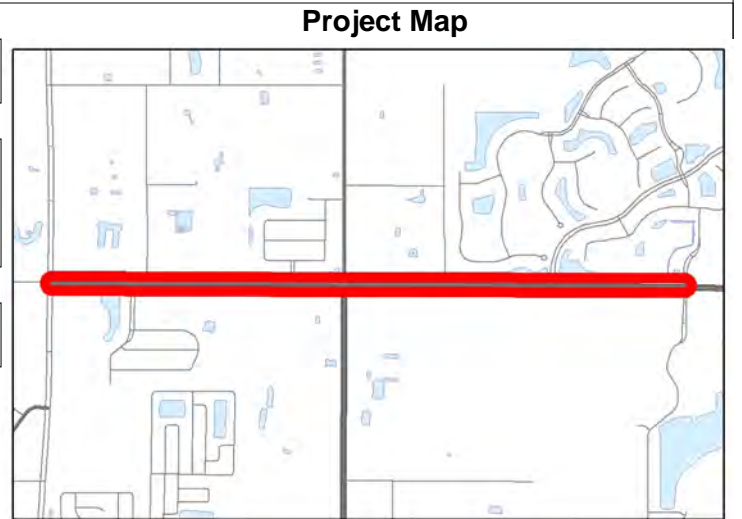
Installation of 12" Force Main extension to Mocassin Wallow Road east of US41 immediately prior to FDOT right turn lane on Mocassin Wallow Road.

**Rationale**

There is a need to reroute wastewater flow from the N-1H force main serving Port Manatee from the N-1B Master Pump Station east on Mocassin Wallow Road . This section of the force main needs to be installed prior to the FDOT construction. This project will allow the future Mocassin Wallow 12" force main to be extended east to the Artisan Lakes Master Pump Station.

**Funding Strategy**

Facility Investment Fees - Sewer  
 Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	03/11/16	05/07/16	0	0	42,230	0	0	0	0	0	42,230
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/16/16	12/31/17	0	0	281,545	0	0	0	0	0	281,545
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	03/11/16	12/30/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	323,775	0	0	0	0	0	323,775

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Facility Investment Fees	307,586
Rates	16,189
<b>Total Funding:</b>	<b>323,775</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>North Water Reclamation Facility Headworks Second Grit Removal System</b>
<b>Wastewater Growth Related Booster Stations</b>	<b>WW01245</b>	
Status: Existing Initial Year: 2018 District 1 Location: 8500 69th Street East, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Add second grit removal unit, grit pumps, slurry cup, and grit snail to match existing equipment. Provide all gates, liners, and piping needed to complete second independent system and install all electrical panels and SCADA connections to match first system. Provide additional mechanical slide gates to isolate north and south flow.	
<b>Rationale</b>	
Second grit removal system needed to comply with Class 1 Reliability and System Redundancy standards. The second system will facilitate repairs and preventive maintenance of each system, and will eliminate time when the facility is without grit removal capabilities. Slide gates are needed for continued operations during maintenance shutdown.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	07/31/18	0	0	0	160,000	0	0	0	0	160,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/01/18	12/31/19	0	0	0	0	1,560,000	0	0	0	1,560,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/19	0	0	0	8,000	312,000	0	0	0	320,000
<b>Totals:</b>			0	0	0	168,000	1,872,000	0	0	0	2,040,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	2,040,000
<b>Total Funding:</b>	<b>2,040,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>SR70 @ I-75 Interchange Wastewater Main &amp; Facility Relocations</b>
<b>Wastewater Growth Related Booster Stations</b>	<b>6053681</b>	

Status: Existing Initial Year: 2016 District 5 Location: SR70 @ I-75 Interchange, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **Yes** LOS/Concurrency: **Yes** Plan Reference: Project Need: **Growth**

**Scope**

Relocate existing wastewater mains and facilities along SR70 at the I-75 interchange. Add 12" water main at Ranch Lake Boulevard for future looping of water main to improve distribution system and bypass existing private water main system. Relocations include the addition of protective concrete pads over mains, addition of split steel casings around water transmission mains, and relocation and/or extensions of water lines to right-of-way lines for future extensions.

**Project Map**



**Rationale**

Utility relocations are part of the FDOT SR70 - I-75 Interchange Improvement project.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	04/18/16	12/31/21	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/20	12/31/22	0	92,000	0	0	0	674,448	0	0	766,448
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	04/18/16	12/31/22	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	92,000	0	0	0	674,448	0	0	766,448

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	92,000
Rates	674,448
<b>Total Funding:</b>	<b>766,448</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southeast Water Reclamation Facility Dedicated Plant Drain Station</b>
<b>Wastewater Growth Related Booster Stations</b>	<b>WW01248</b>	
Status: Existing Initial Year: 2018 District 5 Location: 3331 Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:	Project Need: <b>Growth</b>	

<b>Scope</b>	<b>Project Map</b>
Construct dedicated plant drain station for receiving cooling water from dryer facility and route water to plant headworks or EQ tank. Connect south plant drain station with north plant drain station by gravity and upgrade south plant drain station with higher capacity pumps. Install necessary SCADA connections and programming.	
<b>Rationale</b>	
Peak flows would be balanced, and added capability of processing water for entire plant if pumping capabilities are lost at one station.	
<b>Funding Strategy</b>	
Debt Proceeds	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	06/30/18	0	0	0	179,000	0	0	0	0	179,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/18	12/31/19	0	0	0	0	1,033,000	0	0	0	1,033,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/19	0	0	0	8,950	206,600	0	0	0	215,550
<b>Totals:</b>			0	0	0	187,950	1,239,600	0	0	0	1,427,550

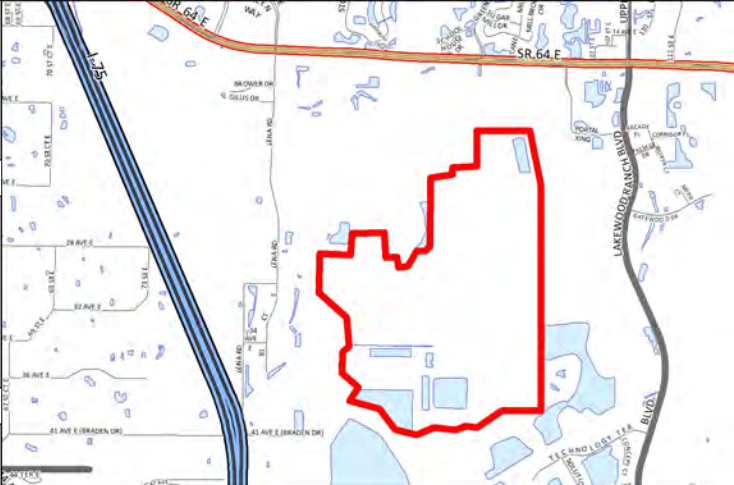
**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Debt Proceeds	1,427,550
<b>Total Funding:</b>	<b>1,427,550</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southeast Water Reclamation Facility Return Activated Sludge &amp; Waste Activated Sludge System Upgrade</b>
<b>Wastewater Growth Related Booster Stations</b>	<b>WW01249</b>	
Status: Existing Initial Year: 2018 District 5 Location: 3331 Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Replace three return activated sludge pumps, motors, and variable frequency drives, replace all piping, valves, and add piping interconnections with plant water system to provide capability to flush all three pumps with reclaim water. Construct scum removal system to remove solid debris. Remove sludge ejectors, compressors, pneumatic controls and piping and replace with slide gates equipped with electric actuators at the mixed liquor splitterbox; all to comply with SCADA work.	
<b>Rationale</b>	
System piping, valves, pumps and motors have deteriorated over time and are in need of replacement. Replacement will ensure a reliable system for wasting and returning the process stream. Scum removal system is necessary to eliminate floatable objects which could impact pump operations, sludge holding tanks, and sludge dryer operations.	
<b>Funding Strategy</b>	
Debt Proceeds	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	291,000	0	0	0	0	291,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/19	0	0	0	0	1,938,000	0	0	0	1,938,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/19	0	0	0	15,000	387,600	0	0	0	402,600
<b>Totals:</b>			0	0	0	306,000	2,325,600	0	0	0	2,631,600

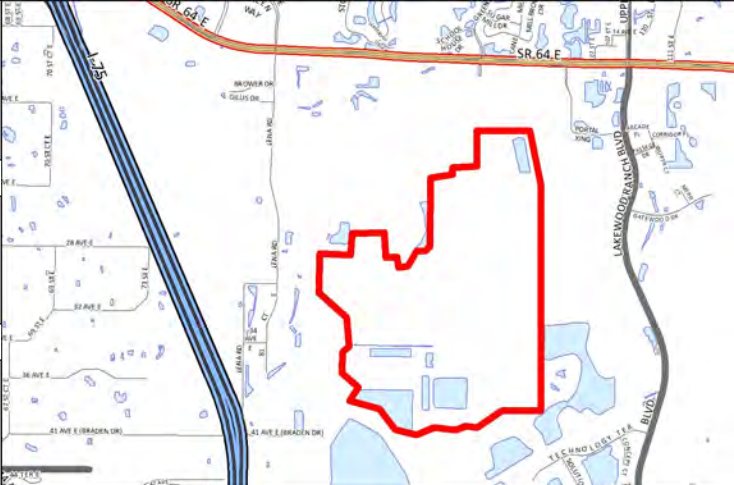
**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Debt Proceeds	2,631,600
<b>Total Funding:</b>	<b>2,631,600</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southeast Water Reclamation Facility Storage Lakes &amp; Pump Back Station Improvements</b>
<b>Wastewater Growth Related Booster Stations</b>	<b>WW01250</b>	
Status: Existing Initial Year: 2018 District 5 Location: 3331 Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>Yes</b> Plan Reference:		Project Need: <b>Growth</b>

<b>Scope</b> Reduce slope on the east and south lake II to 3:1 where necessary. Cut back berm overgrowth on all storage lakes, provide erosion control at existing pump stations and install pump stations outside of berms. Increase pump back capacity on each lake to 15 mgd. Install new energy dissipating inlets on both lakes, and install outfall structures. Install solar bees for lake recirculation and algae control. Included with this project would be all necessary electrical and SCADA work.	<b>Project Map</b> 
<b>Rationale</b> Increase output capacity in moving water from storage lakes to keep up with growing reclaim demand. Removing land area between the east lake sections increases lake storage capacity. On previous FDEP reports it has been noted about our responsibility in preventing the berms from overgrowth of Brazilian pepper trees.	
<b>Funding Strategy</b> Debt Proceeds Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/16/14	09/30/17	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/19	0	0	0	6,920,000	0	0	0	0	6,920,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/16/14	12/31/19	0	0	0	692,000	0	0	0	0	692,000
<b>Totals:</b>			0	0	0	7,612,000	0	0	0	0	7,612,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Debt Proceeds	3,806,000
Rates	3,806,000
<b>Total Funding:</b>	<b>7,612,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southwest Water Reclamation Facility Bleach Tank Roofover</b>
<b>Wastewater Growth Related Booster Stations</b>	<b>WW01256</b>	
Status: Existing Initial Year: 2018 District 3 Location: 5101 65th Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Build a structure that will cover five bleach (sodium hypochlorite) storage tanks to limit exposure to sunlight and weather. Also includes installation of spill/tank containment a safety eyewash/shower (with flow alarm to SCADA), hose bibs, lighting and other necessary appurtenances. SCADA programming for monitoring and control shall be included.	
<b>Rationale</b>	
UV light/sunlight degrades bleach, which degrades disinfection capabilities. It also degrades tank materials, which can cause leaks. Additionally, containment needs to be added to minimize operational risk with the Modified Ludzack-Ettinger (MLE) process change.	
<b>Funding Strategy</b>	
Debt Proceeds	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	07/31/19	0	0	0	0	97,000	0	0	0	97,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/01/19	06/30/20	0	0	0	0	625,000	0	0	0	625,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	06/30/20	0	0	0	0	130,000	0	0	0	130,000
<b>Totals:</b>			0	0	0	0	852,000	0	0	0	852,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Debt Proceeds	852,000
<b>Total Funding:</b>	<b>852,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Trevesta Subdivision Phase I - Sewer Line Installation</b>
<b>Wastewater Growth Related Booster Stations</b>	<b>6087680</b>	

Status: Existing Initial Year: 2016 District 1 Location: 5215 69th St. East, Palmetto

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Developer to install approximately 7,900 linear feet of 12" PVC force main and approximately 625 linear feet of 14" HDPE directional bore force main.

**Project Map**



**Rationale**

Developer desires to connect to the county's wastewater system. Manatee County has agreed to reimburse developer on Utility Participation Agreement from January 2016.

**Funding Strategy**

Facility Investment Fees - Sewer

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/16	12/31/17	0	475,000	0	0	0	0	0	0	475,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	03/01/16	12/31/17	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	475,000	0	0	0	0	0	0	475,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	475,000
<b>Total Funding:</b>	<b>475,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>12A Motor Control Center Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01365</b>	
Status: Existing Initial Year: 2020 District 4 Location: 2007 Bay Drive, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

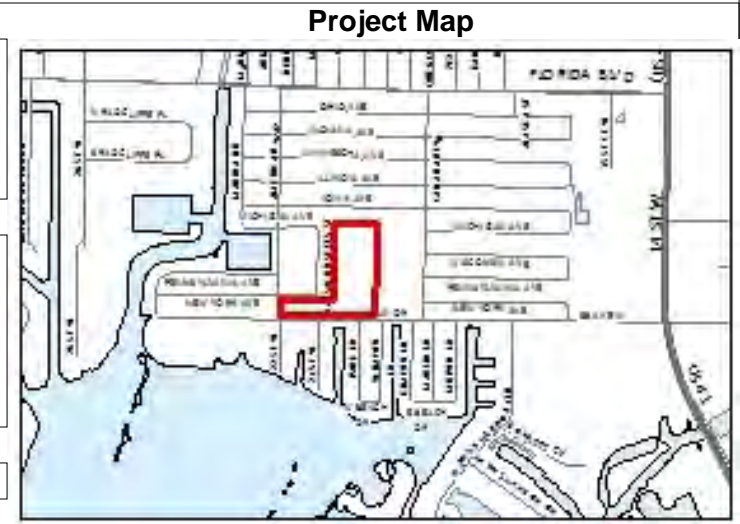
Replace existing motor control center (MCC) and service entrance breaker, remove transformer, distribution center, lighting panel, equipment room lighting and drywell lighting. Replace and upgrade all equipment as needed to bring the MCC and other components to current electrical standards. Improve electrical area to air conditioned space and configuration will include arc flash electrical safety standards, and will be OSHA and NFPA-70E compliant.

**Rationale**

The motor control center needs to be upgraded and brought to proper National Electrical Code standards and upgraded to proper safety codes. Many of the electrical components are obsolete and no longer serviceable. There are several components no longer in use and have become obsolete.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	03/01/20	0	0	0	0	0	100,000	0	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/15/20	12/31/20	0	0	0	0	0	485,000	0	0	485,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/20	0	0	0	0	0	102,000	0	0	102,000
<b>Totals:</b>			0	0	0	0	0	687,000	0	0	687,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

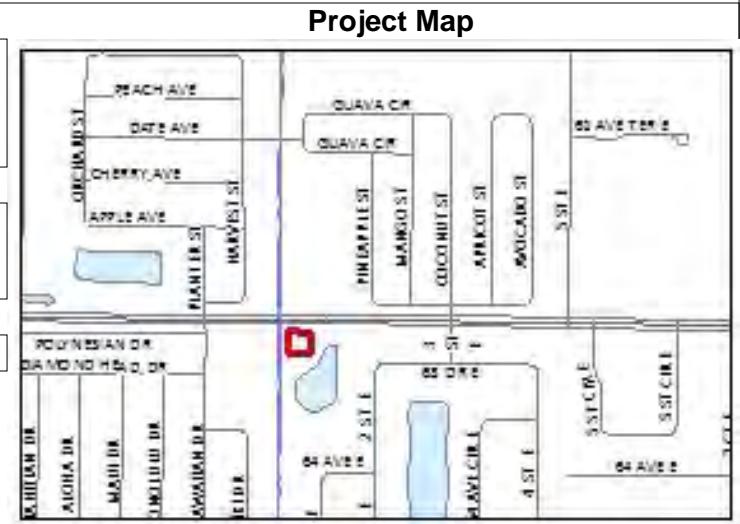
Funding Sources	Amount
Rates	687,000
<b>Total Funding:</b>	<b>687,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>13A Motor Control Center Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01366</b>	
Status: Existing Initial Year: 2020 District 4 Location: 112 63rd Avenue East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Remove existing motor control center and service entrance breaker, remove transformer, distribution center, lighting panel, equipment room lighting, and drywell lighting. Replace and upgrade all equipment as needed to bring the MCC and other electrical components to current electrical standards.



**Rationale**

The motor control center needs to be upgraded and brought to proper National Electrical Code standards and upgraded to proper safety codes. Many of the electrical components are obsolete and no longer serviceable.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	03/01/20	0	0	0	0	0	15,000	0	0	15,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/15/20	12/31/20	0	0	0	0	0	300,000	0	0	300,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/20	0	0	0	0	0	60,000	0	0	60,000
<b>Totals:</b>			0	0	0	0	0	375,000	0	0	375,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

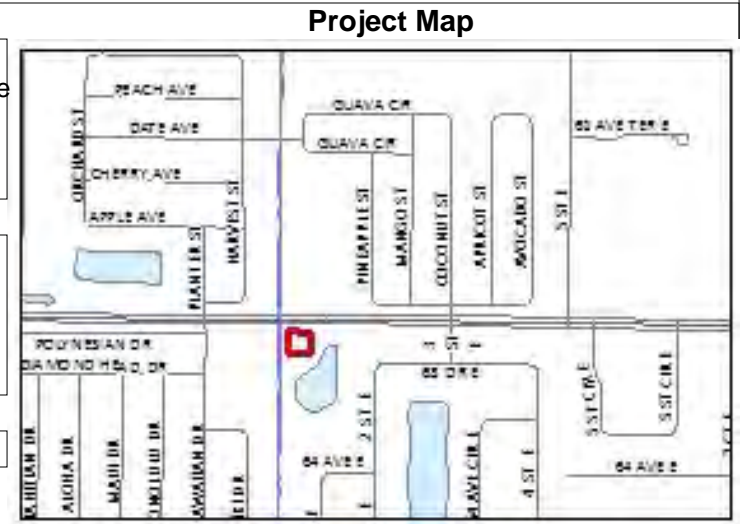
Funding Sources	Amount
Rates	375,000
<b>Total Funding:</b>	<b>375,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>13A Wet Well Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01367</b>	
Status: Existing Initial Year: 2020 District 4 Location: 112 63rd Ave E., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Maintenance</b>		

**Scope**

Remove existing fiberglass liner, make repairs to concrete structure where applicable, apply new fiberglass liner, repair or replace fiberglass platform/grating/stairs/handrail where necessary, replace stop gate channels and inspect aluminum stop gates, install new LED lighting system, inspect muffin monster for wear and determine replacement need, and install new flow meter and upgrade bypass piping.



**Rationale**

Due to the heavily corrosive atmosphere, the existing fiberglass liner is beginning to delaminate from the concrete structure, allowing hydrogen sulfide to deteriorate the concrete behind it. Extensive damage to concrete can cause the structure to become unsafe. The stop gate channels are becoming inoperable and need to be replaced to allow for the isolation of the flow channels. The lighting system is subpar and needs to be upgraded to make the area safer.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	03/01/20	0	0	0	0	0	22,500	0	0	22,500
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/15/20	12/31/20	0	0	0	0	0	450,000	0	0	450,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/20	0	0	0	0	0	92,000	0	0	92,000
<b>Totals:</b>			0	0	0	0	0	564,500	0	0	564,500

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	564,500
<b>Total Funding:</b>	<b>564,500</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>1M Motor Control Center Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01364</b>	
Status: Existing Initial Year: 2020 District 3 Location: 8720 44th Avenue West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

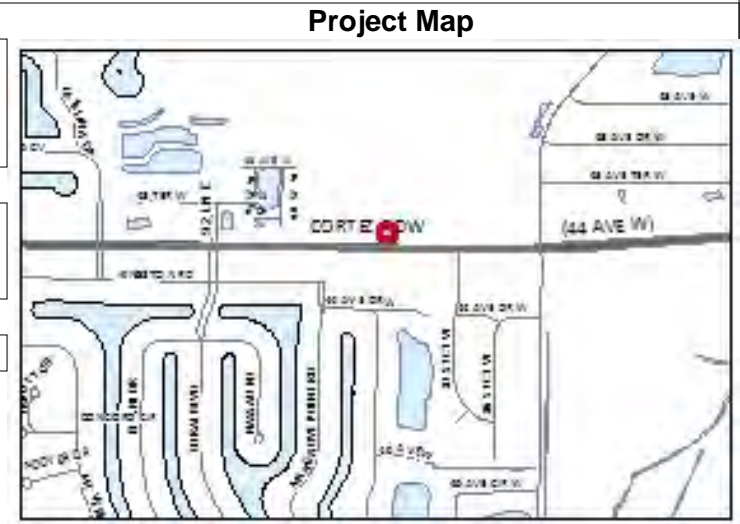
Remove existing motor control center and service entrance breaker, transformer, distribution center, lighting panel, equipment room lighting, and drywell lighting. Replace and upgrade all equipment as needed to bring the MCC and other electrical components to current electrical standards.

**Rationale**

The motor control center needs to be upgraded and brought to proper National Electrical Code standards and upgraded to proper safety codes. Many of the electrical components are obsolete and no longer serviceable.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	03/01/20	0	0	0	0	0	15,000	0	0	15,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/15/20	12/31/20	0	0	0	0	0	300,000	0	0	300,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/20	0	0	0	0	0	60,000	0	0	60,000
<b>Totals:</b>			0	0	0	0	0	375,000	0	0	375,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

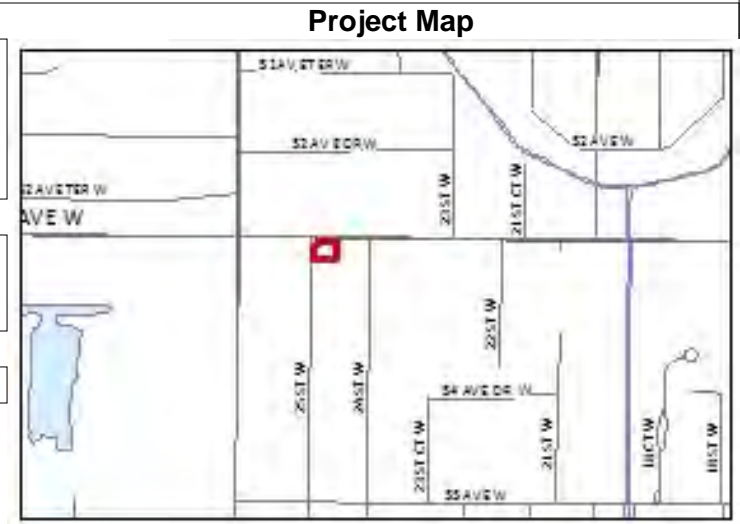
Funding Sources	Amount
Rates	375,000
<b>Total Funding:</b>	<b>375,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>27A Motor Control Center Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01368</b>	
Status: Existing Initial Year: 2019 District 4 Location: 2484 53rd Ave W., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Replace existing motor control center and service entrance breaker, remove transformer, distribution center, lighting panel, equipment room lighting, and drywell lighting. Replace and upgrade all equipment as needed to bring the MCC and other electrical components to current electrical standards. Improve electrical area to air conditioned space, and configuration will include arc flash electrical safety improvements for OSHA and NFPA-70E compliance.



**Rationale**

The motor control center needs to be upgraded and brought to proper National Electrical Code standards and upgraded to proper safety codes. Many of the electrical components are obsolete and no longer serviceable.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	03/01/19	0	0	0	0	100,000	0	0	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/15/19	12/31/19	0	0	0	0	485,000	0	0	0	485,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/19	0	0	0	0	102,000	0	0	0	102,000
<b>Totals:</b>			0	0	0	0	687,000	0	0	0	687,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	687,000
<b>Total Funding:</b>	<b>687,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>39A Motor Control Center Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01369</b>	
Status: Existing Initial Year: 2019 District 4 Location: 5621 39th Street East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Replace existing motor control center and service entrance breaker, remove transformer, distribution center, lighting panel, equipment room lighting, and drywell lighting. Replace and upgrade all equipment as needed to bring the MCC and other electrical components to current electrical standards. New design and electrical system configuration will include arc flash electrical safety improvements for OSHA and NFPA-70E compliance.	
<b>Rationale</b>	
The motor control center needs to be upgraded and brought to proper National Electrical Code standards and upgraded to proper safety codes. Many of the electrical components are obsolete and no longer serviceable.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	03/01/19	0	0	0	0	90,000	0	0	0	90,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/19	12/31/19	0	0	0	0	420,000	0	0	0	420,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/19	0	0	0	0	90,000	0	0	0	90,000
<b>Totals:</b>			0	0	0	0	600,000	0	0	0	600,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	600,000
<b>Total Funding:</b>	<b>600,000</b>



**MANATEE COUNTY GOVERNMENT  
Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>51st Street Gravity Main Sewer Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6035782</b>	

Status: Existing Initial Year: 2014 District 3 Location: 51st Street - 8th Avenue, Bradenton

**Comprehensive Plan Information**

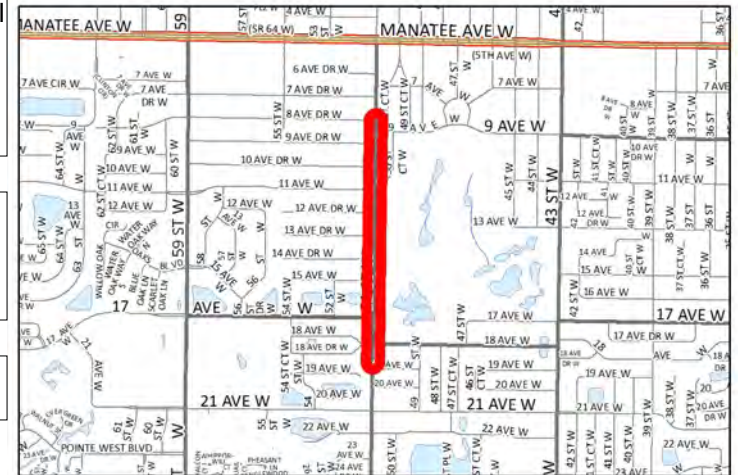
Project Mgr:

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Replace approximately 3,300 linear feet of existing 30 inch gravity force main with 30 inch poly vinyl chloride (PVC) pipe. Replace 11 manhole locations along the route from 8th Avenue to Master Lift Station 1D, including reconnecting all laterals and associated appurtenances within the collection system. Remove out-of-service pipe and restore area including new asphalt pavement along 51st Street.

**Project Map**



**Rationale**

Replacement is required due to recurring maintenance issues with the 30 inch ductile iron pipe (DIP) gravity main. The main is very deep and the latest emergency repairs caused sink holes. The line was assessed by in-house staff while exposed and it was determined the gravity main was corroded beyond repair.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>							<b>Appropriated to Date</b>
			<b>Expended to Date</b>	<b>Prior Year Approp.</b>	<b>FY2017</b>	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	
<b>Activity</b>	<b>From</b>	<b>To</b>								
Design:	10/01/13	12/31/14	47,810	170,000	0	0	0	0	0	170,000
Land:			0	0	0	0	0	0	0	0
Construction:	02/01/16	12/31/16	1,619,843	3,202,000	0	0	0	0	0	3,202,000
Equipment:			0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	138,638	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,806,291</b>	<b>3,372,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,372,000</b>

**Operating Budget Impacts**

	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

<b>Funding Sources</b>	<b>Amount</b>
All Prior Funding	3,372,000
<b>Total Funding:</b>	<b>3,372,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Colony Cove 1 Phase III Gravity Sewer Replacement/Rehab</b>
<b>Wastewater Restore/Rehab</b>	<b>6005684</b>	
Status: Existing Initial Year: 2016 District 1 Location: Colony Cove, Ellenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

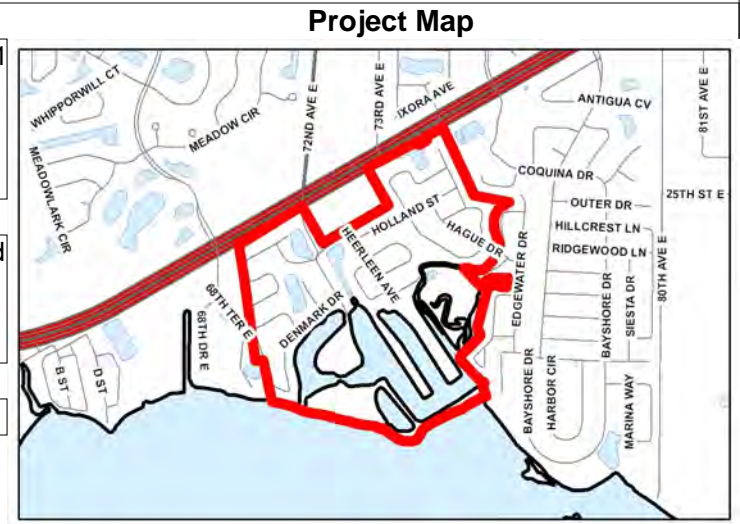
Evaluate, design and rehab/replace sanitary gravity sewer system within Phase III of Colony Cove 1 subdivision. Rehab/replace approximately 1,050 linear feet of 8" gravity sewer main, over 30 manholes and about 20 lateral services. Project will also assess and replace as needed sewer connection point services, and over 20 manholes will be rehabbed and sewer main to be relocated from rear to front of properties.

**Rationale**

System is aging and experiencing a high infiltration rate. Additional concerns for potential spills and location adjacent to waterway. After reviewing the location of this infrastructure, it was determined that for constructability purposes and environment impact, the sewer main will be relocated to the street.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	06/01/16	12/31/18	0	0	80,000	0	0	0	0	0	80,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	06/01/16	12/31/18	0	20,000	0	809,000	0	0	0	0	829,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	06/01/16	12/31/18	168	0	4,000	162,000	0	0	0	0	166,000
<b>Totals:</b>			168	20,000	84,000	971,000	0	0	0	0	1,075,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	20,000
Rates	1,055,000
<b>Total Funding:</b>	<b>1,075,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Colony Cove 1 and 2 - Gravity Sewer Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>6005680</b>	
Status: Existing Initial Year: 2011 District 1 Location: US 301 & Colony Cove Drive, Ellenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

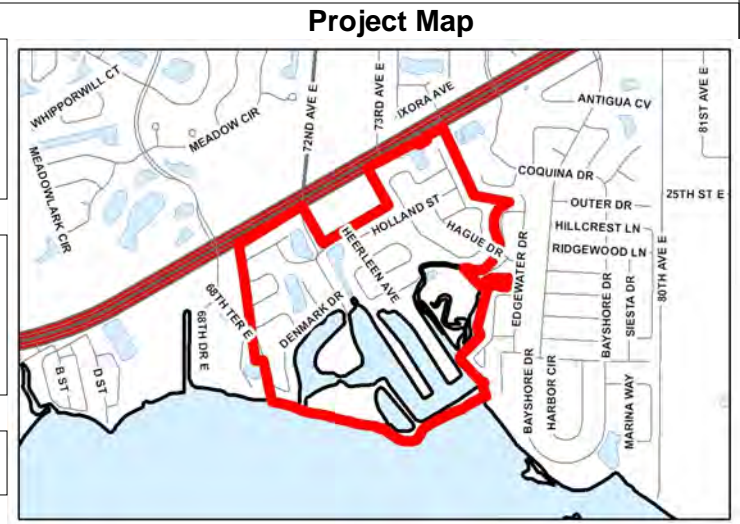
Repair and replacement of problem areas and deficiencies.

**Rationale**

These lines were installed in the 1960's and are no longer adequate to manage the flow, creating backups. Manholes are located under trailers which impedes equipment access for repairs.

**Funding Strategy**

Debt Proceeds  
 Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			16,860	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/16	03/31/17	366,772	1,893,780	0	0	0	0	0	0	1,893,780
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/10	03/31/17	53,331	125,535	0	0	0	0	0	0	125,535
<b>Totals:</b>			<b>436,963</b>	<b>2,019,315</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,019,315</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,019,315
<b>Total Funding:</b>	<b>2,019,315</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Colony Cove 2 - Sanitary Sewer Replacement/Rehab</b>
<b>Wastewater Restore/Rehab</b>	<b>6005683</b>	
Status: Existing Initial Year: 2016 District 1 Location: Colony Cove, Ellenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

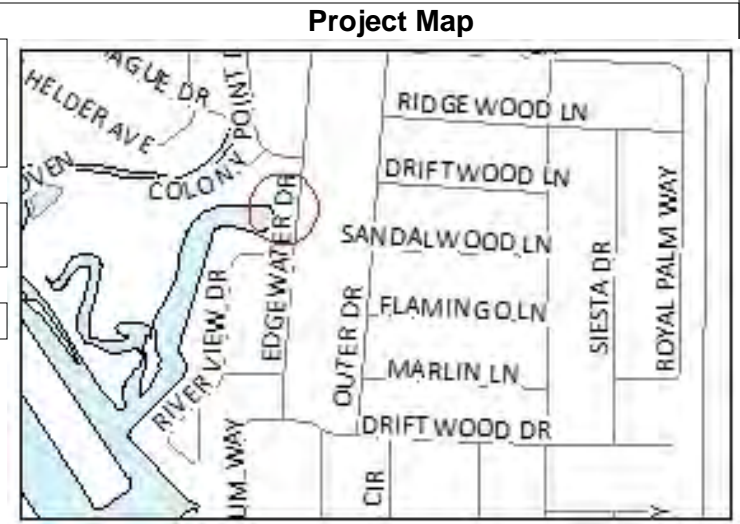
Evaluate, design, and replace/rehab sanitary gravity sewer system within Phase II of the Colony Cove subdivision. Approximately 3,875 linear feet of 8" gravity main, over 55 manholes and 70 lateral services will be replaced or rehabbed. Will also assess and repair as needed for sewer connection point services.

**Rationale**

System is aging and experiencing a high infiltration rate in areas. Additional concerns for potential spills and location adjacent to waterway.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	06/06/16	01/06/17	0	0	100,000	0	0	0	0	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/18	0	20,000	0	1,200,000	0	0	0	0	1,220,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	06/06/16	12/31/18	5,274	0	6,000	240,000	0	0	0	0	246,000
<b>Totals:</b>			<b>5,274</b>	<b>20,000</b>	<b>106,000</b>	<b>1,440,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,566,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	20,000
Rates	1,546,000
<b>Total Funding:</b>	<b>1,566,000</b>

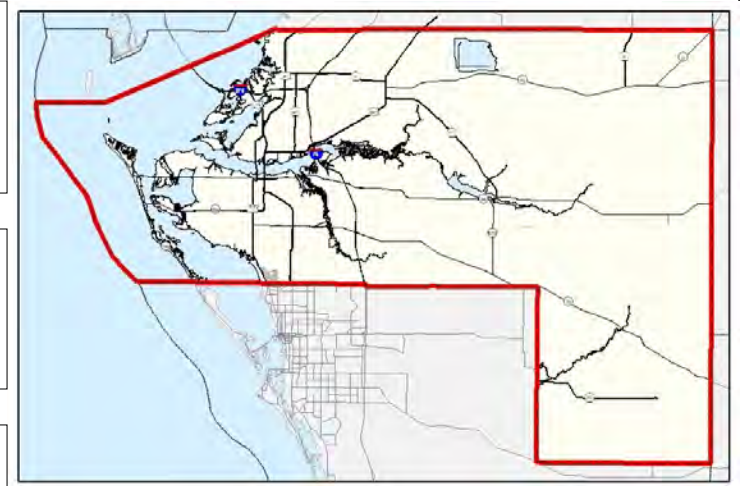
**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>End of Service Life Collection Line Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01259</b>	
Status: Existing Initial Year: 2017 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Countywide collection line replacements as determined by evaluations, testing, and emerging situations.

**Project Map**



**Rationale**

Collection line replacement necessary to maintain operable utility system.

**Funding Strategy**

Debt Proceeds  
 Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	09/30/21	0	0	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000	0	17,500,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	09/30/21	0	0	0	0	0	0	0	0	0
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	09/30/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000	0	17,500,000

**Operating Budget Impacts**

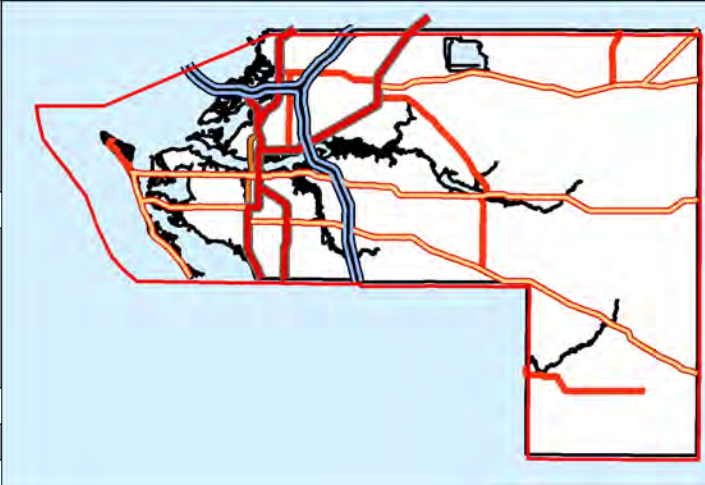
	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Debt Proceeds	3,000,000
Rates	14,500,000
<b>Total Funding:</b>	<b>17,500,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>End of Service Life Lift Stations Replacement &amp; Generators</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01258</b>	
Status: Existing Initial Year: 2019 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Countywide lift station replacement and generator replacement as determined by evaluations, testing, and emerging situations.	
<b>Rationale</b>	
Lift station replacement and generators necessary to maintain operable utility system.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/21	0	0	0	0	1,500,000	1,500,000	1,500,000	0	4,500,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	0	1,500,000	1,500,000	1,500,000	0	4,500,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	4,500,000
<b>Total Funding:</b>	<b>4,500,000</b>

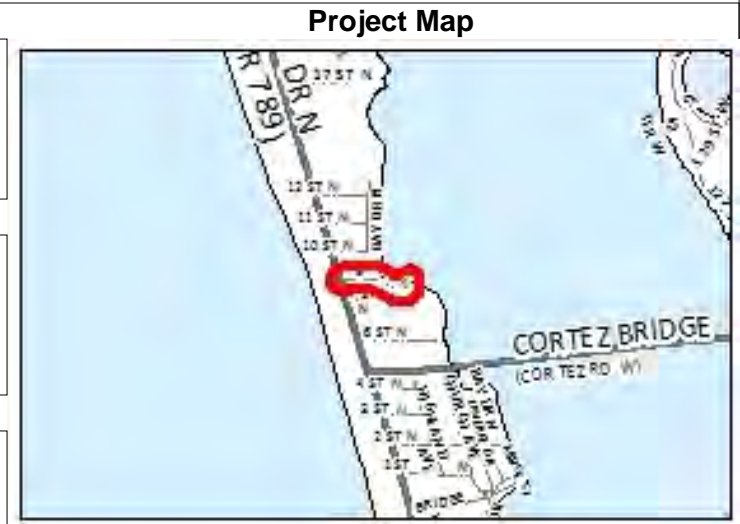


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 1/1C/Imperial House Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6028389</b>	
Status: Existing Initial Year: 2017 District 3 Location: Gulf Drive - 9th Street - Anna Maria Island		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replace approximately 400 linear feet of 4" force main piping, approximately 2,400 linear feet of 6' force main piping and approximately 550 linear feet of 8" force main piping for Force Mains 1, 1C, and Imperial House Force Mains.



**Rationale**

These force mains are being scheduled for replacement due to age assessment and condition risk with respect to related maintenance issues and criticality of location on Anna Maria Island.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	09/30/17	0	0	35,000	0	0	0	0	0	35,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/18	0	0	0	325,000	0	0	0	0	325,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/18	0	0	18,000	65,000	0	0	0	0	83,000
<b>Totals:</b>			0	0	53,000	390,000	0	0	0	0	443,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	443,000
<b>Total Funding:</b>	<b>443,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 11 Replacement - 52nd Street</b>
<b>Wastewater Restore/Rehab</b>	<b>6022489</b>	
Status: Existing Initial Year: 2017 District 3 Location: Anna Maria Island		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Replace approximately 3,500 linear feet of 12" force main and 800 linear feet of 10" force main.



**Rationale**

Force Main 11 piping was installed in 1976 and has been recommended for replacement due to age assessment and condition risk with respect to its location on Anna Maria Island.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	09/30/17	0	0	100,000	0	0	0	0	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/20	0	0	0	850,000	0	0	0	0	850,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/20	0	0	5,000	170,000	0	0	0	0	175,000
<b>Totals:</b>			0	0	105,000	1,020,000	0	0	0	0	1,125,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	1,125,000
<b>Total Funding:</b>	<b>1,125,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 11 Replacement - 56th Street &amp; Holmes Road</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01359</b>	
Status: Existing Initial Year: 2018 District 3 Location: Anna Maria Island		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replace approximately 4,000 linear feet of 16" force main and approximately 1,100 linear feet of 8" force main piping.



**Rationale**

This force main is being scheduled for replacement due to age assessment and condition risk with respect to location on Anna Maria Island.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	140,000	0	0	0	0	140,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/19	0	0	0	0	1,250,000	0	0	0	1,250,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/19	0	0	0	7,000	250,000	0	0	0	257,000
<b>Totals:</b>			0	0	0	147,000	1,500,000	0	0	0	1,647,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

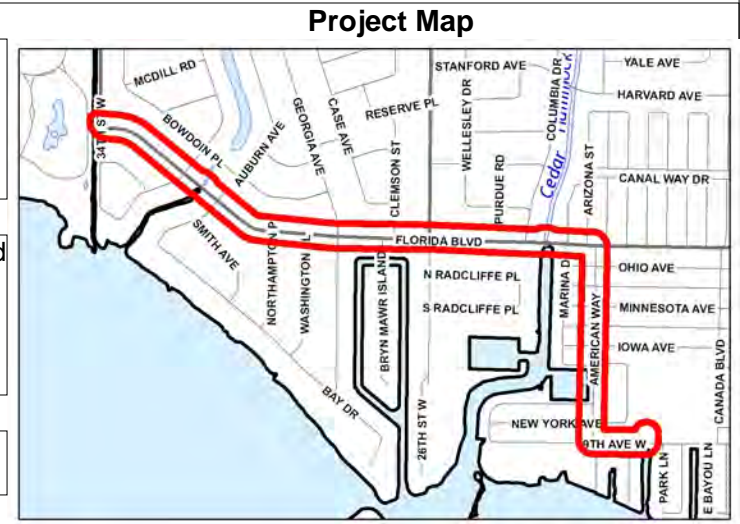
<b>Means of Financing</b>	
Funding Sources	Amount
Rates	1,647,000
<b>Total Funding:</b>	<b>1,647,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 12A Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>6028386</b>	
Status: Existing Initial Year: 2014 District 4 Location: 2007 Bay Drive - 34th St - 60th Ave W, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replacement of approximately 10,300 linear feet of 20 inch ductile iron pipe to 24 inch high density polyethylene force main.



**Rationale**

Replacement is needed due to the advanced age of this force main. The force main is corroded and has previously blown out at the joint. This force main, located by Sarasota Bay, does not have a large holding capacity and does not have valves to stop the flow in an emergency.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	10/31/16	90,502	315,000	0	0	0	0	0	0	315,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/15	12/31/18	0	4,500,000	0	0	0	0	0	0	4,500,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/18	4,076	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>94,577</b>	<b>4,815,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,815,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

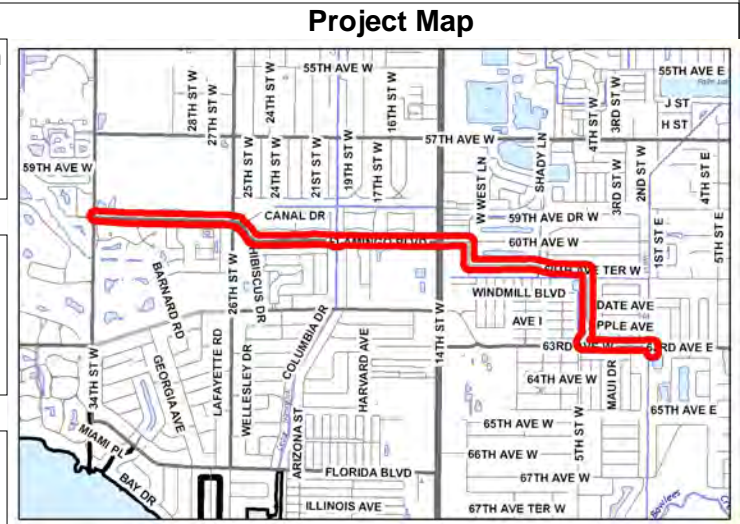
Funding Sources	Amount
All Prior Funding	4,815,000
<b>Total Funding:</b>	<b>4,815,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 13A Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>6049181</b>	
Status: Existing Initial Year: 2014 District 4 Location: 112 63rd Ave East - 34th St - 60th Ave W., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Replacement of approximately 13,000 linear feet of 24 inch ductile iron pipe force main with 27 inch and 36 inch high-density polyethylene (HDPE) force main.



**Rationale**

Replacement is needed due to the advanced age of this force main which has had several leaks over the years and could potentially have additional breaks in the future.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	03/31/16	0	35,688	604,000	0	0	0	0	0	639,688
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/16	07/31/17	474,028	6,301,011	621,000	0	0	0	0	0	6,922,011
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	07/31/17	14,700	0	350,000	0	0	0	0	0	350,000
<b>Totals:</b>			<b>488,728</b>	<b>6,336,699</b>	<b>1,575,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,911,699</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	6,336,699
Rates	1,075,000
<b>Total Funding:</b>	<b>7,411,699</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 17A Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6028385</b>	
Status: Existing Initial Year: 2015 District 4 Location: 63rd Avenue West to 14th Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replacement of approximately 3,500 linear feet of 4 inch ductile iron pipe.

**Project Map**



**Rationale**

System must be moved from an easement located on the back of the property.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	09/30/15	13,861	64,000	0	0	0	0	0	0	64,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/16	05/31/17	68	369,000	0	0	0	0	0	0	369,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	05/31/17	15,105	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>29,035</b>	<b>433,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>433,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	433,000
<b>Total Funding:</b>	<b>433,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 18M Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>6083780</b>	
Status: Existing Initial Year: 2013 District 3 Location: 6020 45th Avenue Drive West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Taha Ataya</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

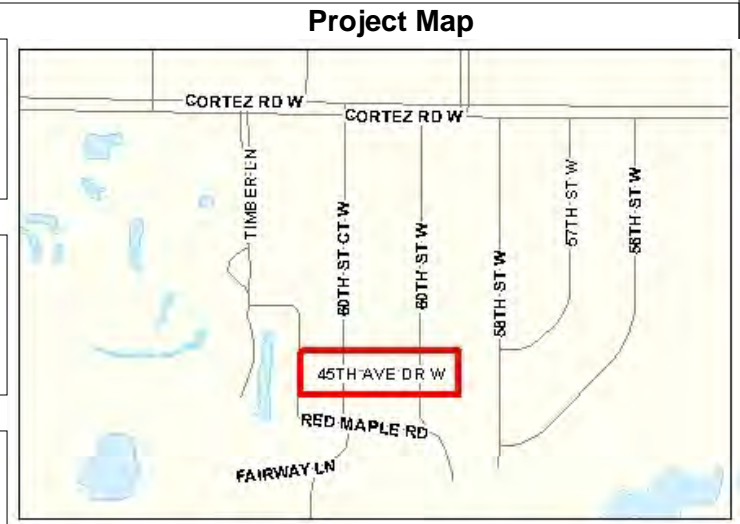
Replacement of approximately 3,000 linear feet of 6 inch ductile iron pipe force main with 8-inch high-density polyethylene (HDPE) force main.

**Rationale**

Replacement is needed due to the advanced age of this force main which is corroded and has blown out. The force main valves are in unsafe working condition and this force main ties into Master Lift Station 1M. This could potentially create a large problem in the event of a break.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	07/31/15	44,903	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/01/16	11/30/17	1,180	750,000	0	0	0	0	0	0	750,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	11/30/17	25,304	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>71,387</b>	<b>750,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

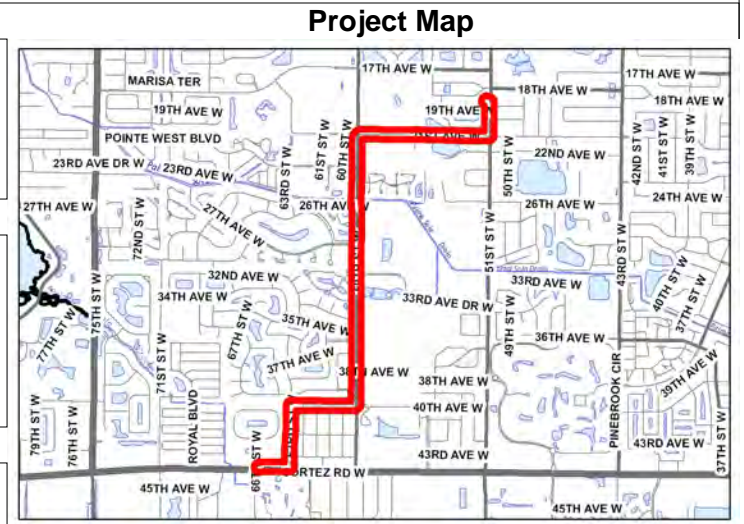
Funding Sources	Amount
All Prior Funding	750,000
<b>Total Funding:</b>	<b>750,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 1D Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>6035781</b>	
Status: Existing Initial Year: 2014 District 3 Location: 1806 51st Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Replacement of up to 12,000 linear feet of 20 inch ductile iron pipe force main with 24 inch and 27 inch high density polyethylene (HDPE) force main.



**Rationale**

This force main, with limited working valves, has begun to experience issues relating to heavy gas problems typical of aging force mains. Replacement will avoid potential breaks, spills and high maintenance related costs.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	02/28/16	351,383	470,000	0	0	0	0	0	0	470,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/16	12/31/17	135	5,350,000	0	0	0	0	0	0	5,350,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/17	16,138	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>367,656</b>	<b>5,820,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,820,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

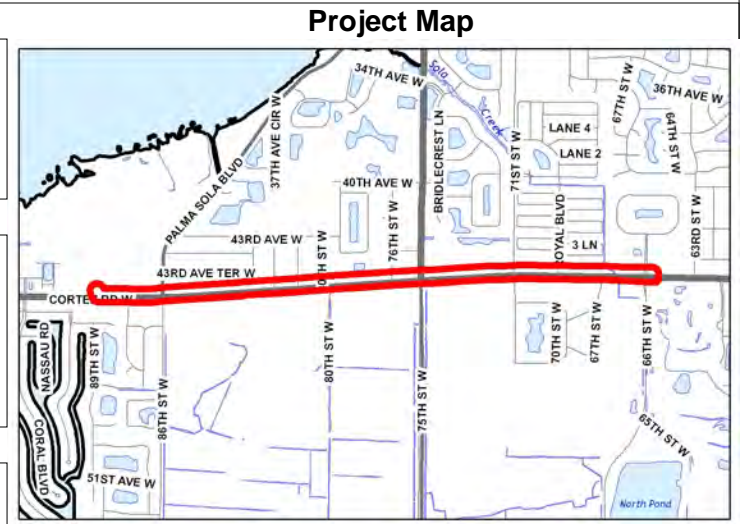
Funding Sources	Amount
All Prior Funding	5,820,000
<b>Total Funding:</b>	<b>5,820,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 1M Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>6085780</b>	
Status: Existing Initial Year: 2014 District 3 Location: 8720 44th Ave W., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Tony Russo</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Replacement of approximately 8,700 linear feet of 24 inch and 3,200 linear feet of 30 inch ductile iron pipe force main with 27 inch and 36 inch high density polyethylene (HDPE) force main.



**Rationale**

Replacement is needed due to the age of this force main that ties into two major force mains. The current force main has had one blow out and has only one valve that can be shut down in an emergency situation.

**Funding Strategy**

Utility Rates  
Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	12/31/15	460,322	656,651	0	0	0	0	0	0	656,651
Land:			0	0	0	0	0	0	0	0	0
Construction:	11/01/16	06/30/18	40,449	7,733,349	0	0	0	0	0	0	7,733,349
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	06/30/18	27,270	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>528,041</b>	<b>8,390,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,390,000</b>

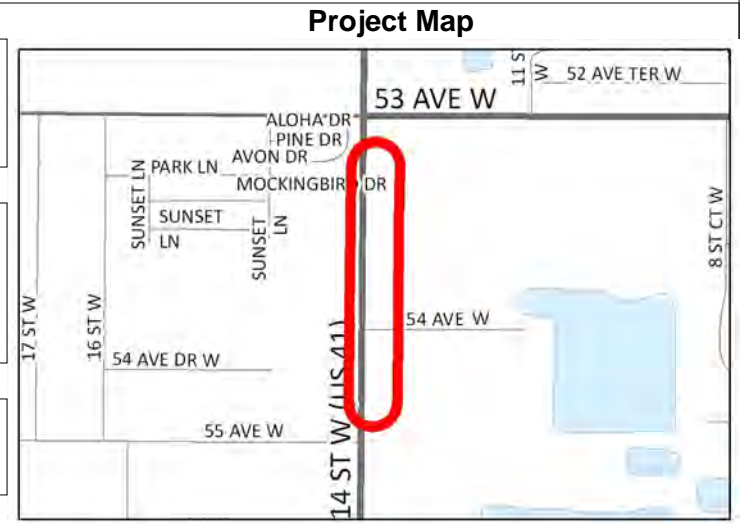
<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:						
Operating Capital:						
Operating Total:						
No.of Positions:	0	0	0	0	All Prior Funding	8,390,000
					Total Funding:	8,390,000

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 23A Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6022488</b>	
Status: Existing Initial Year: 2015 District 4 Location: 14th Street to 55th Avenue West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Replace approximately 900 linear feet of 6 inch and 400 linear feet of 8 inch ductile iron pipe.



**Rationale**

This system was installed in 1987, crosses 14th Street, and has corroded.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	06/30/15	32,013	55,000	0	0	0	0	0	0	55,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/16	03/31/17	178	348,000	0	0	0	0	0	0	348,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	03/31/17	1,390	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>33,580</b>	<b>403,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>403,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

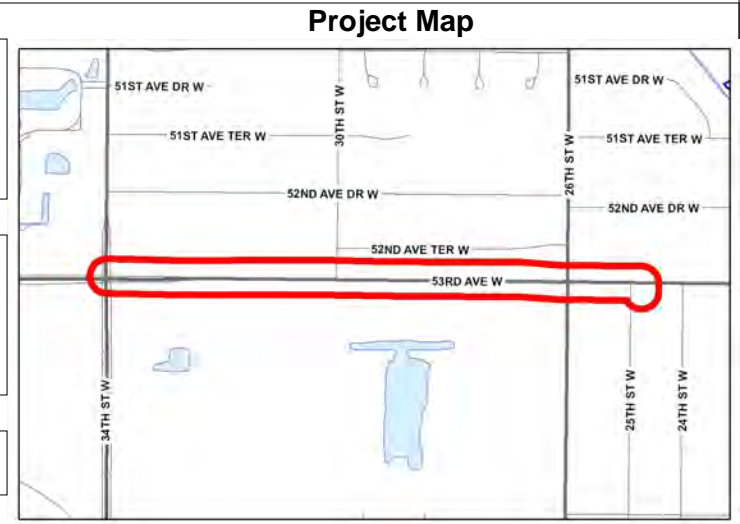
Funding Sources	Amount
All Prior Funding	403,000
<b>Total Funding:</b>	<b>403,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 27A Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>6023180</b>	
Status: Existing Initial Year: 2014 District 4 Location: 24th St W - 34th St W - 53rd Ave W., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replacement of approximately 3,200 linear feet of 20 inch ductile iron pipe force main with 24 inch high-density polyethylene (HDPE) force main.



**Rationale**

Replacement is due to the advanced age of this force main which was installed around 1975. Issues related to heavy gas problems have been experienced in this line. To avoid potential force main breaks, spills and high maintenance-related costs, replacement is necessary.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	03/31/16	18,843	340,000	0	0	0	0	0	0	340,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/16	04/30/17	250	1,700,000	0	0	0	0	0	0	1,700,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	04/30/17	23,391	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>42,484</b>	<b>2,040,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,040,000</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					All Prior Funding	2,040,000
Non-Personal:					Total Funding:	2,040,000
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 27A from 51st Street West to the Southwest Water Reclamation Facility</b>
<b>Wastewater Restore/Rehab</b>	<b>6082980</b>	

Status: Existing Initial Year: 2012 District 3 Location: 51st Street West, Bradenton

**Comprehensive Plan Information**

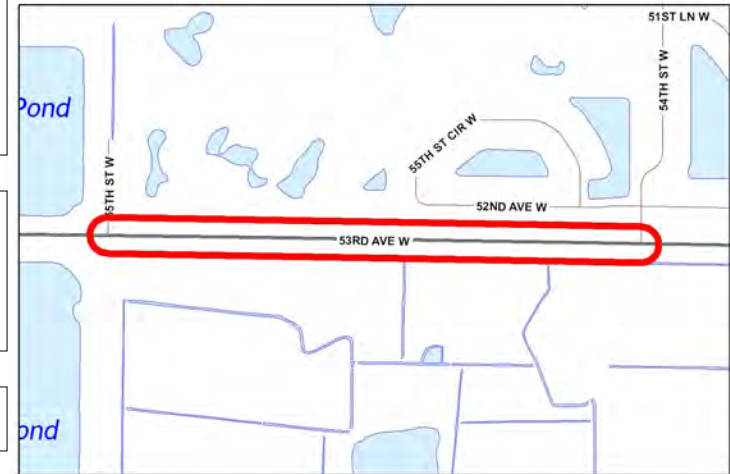
Project Mgr: **Anthony Benitez**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Replace approximately 6,000 linear feet of existing 30 inch force main with 42 inch force main.

**Project Map**



**Rationale**

This force main has experienced line breaks, is aging and has capacity-related issues as per the June 2006 McKim and Creed analysis.

**Funding Strategy**

Facility Investment Fees  
 Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/12	06/30/14	30,428	94,000	0	0	0	0	0	0	94,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/14	09/30/17	2,288,879	6,250,000	0	0	0	0	0	0	6,250,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/12	09/30/17	80,332	6,000	0	0	0	0	0	0	6,000
<b>Totals:</b>			<b>2,399,639</b>	<b>6,350,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,350,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	6,350,000
<b>Total Funding:</b>	<b>6,350,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 30A Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6028387</b>	

Status: Existing Initial Year: 2017 District 4 Location: 30th Street West, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Replace approximately 2,400 linear feet of 8" force main piping.

**Project Map**



**Rationale**

This force main is being scheduled for replacement due to age assessment and condition risk with respect to related maintenance issues and criticality.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	09/30/17	0	0	35,000	0	0	0	0	0	35,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/18	0	0	0	320,000	0	0	0	0	320,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/18	0	0	1,800	64,000	0	0	0	0	65,800
<b>Totals:</b>			0	0	36,800	384,000	0	0	0	0	420,800

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

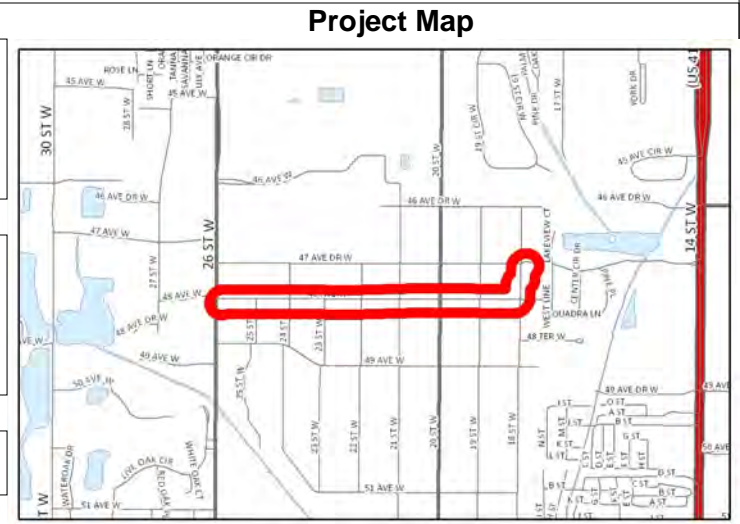
**Means of Financing**

Funding Sources	Amount
Rates	420,800
<b>Total Funding:</b>	<b>420,800</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 31A Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6052181</b>	
Status: Existing Initial Year: 2014 District 4 Location: 47th Avenue Drive West - 26th Street W., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Sherri Robinson</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>
Replace up to 2,750 linear feet of 14 inch ductile iron pipe.
<b>Rationale</b>
This system has corroded and blown out.
<b>Funding Strategy</b>
Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	09/30/15	17,563	105,000	0	0	0	0	0	0	105,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/16	03/31/17	158	1,045,000	0	0	0	0	0	0	1,045,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	03/31/17	14,292	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>32,012</b>	<b>1,150,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,150,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

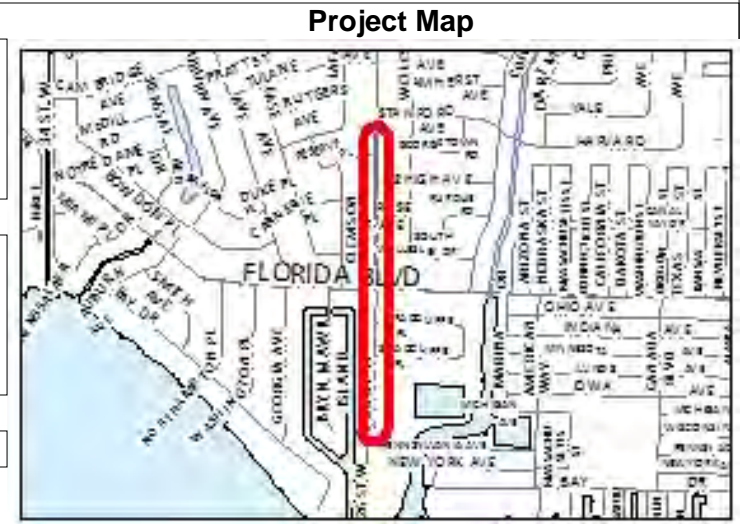
<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	1,150,000
<b>Total Funding:</b>	<b>1,150,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 33A Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01360</b>	
Status: Existing Initial Year: 2019 District 4 Location: 26th Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Replace approximately 2,900 linear feet of 14" force main piping.



**Rationale**

This force main is being scheduled for replacement due to age assessment and condition risk with respect to approximate location to the Bay.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	09/30/19	0	0	0	0	100,000	0	0	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/20	0	0	0	0	0	900,000	0	0	900,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/20	0	0	0	0	5,000	180,000	0	0	185,000
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>105,000</b>	<b>1,080,000</b>	<b>0</b>	<b>0</b>	<b>1,185,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

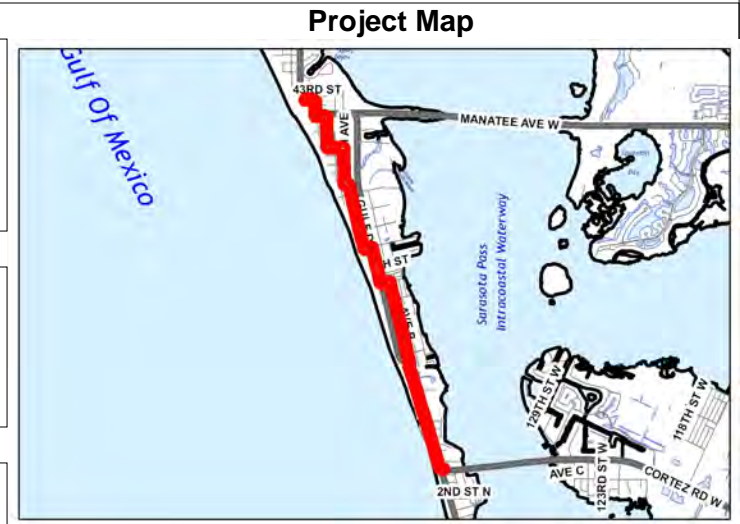
Funding Sources	Amount
Rates	1,185,000
<b>Total Funding:</b>	<b>1,185,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main 5 Rehabilitation (Anna Maria Island)</b>
<b>Wastewater Restore/Rehab</b>	<b>6041585</b>	
Status: Existing Initial Year: 2014 District 3 Location: 4300 Gulf Drive to Gulf Drive & Cortez Road		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replacement of approximately 12,000 linear feet of 20 inch ductile iron pipe with high-density polyethylene (HDPE) force main.



**Rationale**

This line was originally installed around 1976. Replacement is needed due to the advanced age of this force main to prevent breaks, spills and increased maintenance costs.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	12/31/16	440,875	42,173	750,000	0	0	0	0	0	792,173
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/17	12/31/18	0	4,961,827	754,000	0	0	0	0	0	5,715,827
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/18	12,872	0	826,000	0	0	0	0	0	826,000
<b>Totals:</b>			<b>453,747</b>	<b>5,004,000</b>	<b>2,330,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,334,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

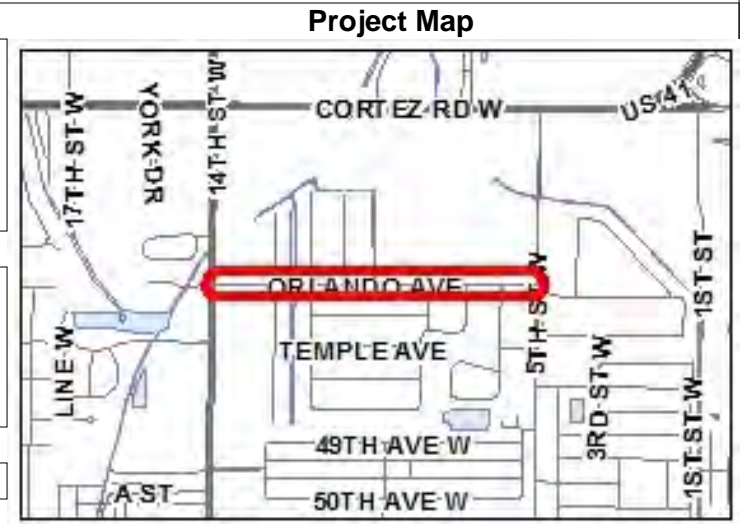
Funding Sources	Amount
All Prior Funding	5,004,000
Rates	2,330,000
<b>Total Funding:</b>	<b>7,334,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Force Main Orlando Avenue Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01362</b>	
Status: Existing Initial Year: 2020 District 4 Location: Orlando Avenue, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replace approximately 2,300 linear feet of 10" and 6" force main piping, and approximately 200 linear feet of 3" force main piping.



**Rationale**

This force main is being scheduled for replacement due to age assessment and condition risk with respect to related maintenance issues and criticality.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	60,000	0	0	60,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	500,000	0	500,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	3,000	10,000	0	13,000
<b>Totals:</b>			0	0	0	0	0	63,000	510,000	0	573,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	573,000
<b>Total Funding:</b>	<b>573,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 12A Emergency Generator Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6022384</b>	
Status: Existing Initial Year: 2015 District 3 Location: 2007 Bay Drive, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove existing emergency power generator from inside lift station building and install larger generator outside with sound attenuating enclosure.	
<b>Rationale</b>	
Increase generator capacity, current generator is unable to run three pumps during power loss. Removing generator from the building will reduce excessive heat buildup.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	07/01/15	07/31/16	42,097	50,000	0	0	0	0	0	0	50,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/17	0	457,750	0	0	0	0	0	0	457,750
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	07/01/15	12/31/17	1,558	0	0	0	0	0	0	0	0
<b>Totals:</b>			43,656	507,750	0	0	0	0	0	0	507,750

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	Funding Sources	Amount
Personal:					All Prior Funding	507,750
Non-Personal:					Total Funding:	507,750
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 12A Pumps &amp; Variable Frequency Drive Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01226</b>	
Status: Existing Initial Year: 2020 District 4 Location: 2007 Bay Drive, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove and replace existing pumps and variable frequency drives, and install new flow meter.	
<b>Rationale</b>	
Current equipment reaching predicted life span. Replacement equipment will provide more accurate flow rates.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	12/01/19	0	0	0	0	0	20,000	0	0	20,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/20	12/31/20	0	0	0	0	0	400,000	0	0	400,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/20	0	0	0	0	0	80,000	0	0	80,000
<b>Totals:</b>			0	0	0	0	0	500,000	0	0	500,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	500,000
<b>Total Funding:</b>	<b>500,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 12A Wet Well Rehab &amp; Dimminutor Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6022287</b>	
Status: Existing Initial Year: 2015 District 4 Location: 2007 Bay Drive, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Remove existing fiberglass liner, repair concrete structure, apply new fiberglass liner, repair/replace fiberglass platform, grating, stairs, and handrails as necessary. Replace stop gates, dimminutor and flow meter, and install new LED lighting system.



**Rationale**

With replacement of gates, flow channels can be isolated. LED lighting will provide additional safety, and dimminutor has reached its expected life span.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	07/31/15	0	47,250	0	0	0	0	0	0	47,250
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/16	05/31/17	57	801,000	0	0	0	0	0	0	801,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	05/31/17	7,197	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>7,254</b>	<b>848,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>848,250</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	848,250
<b>Total Funding:</b>	<b>848,250</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 13A Emergency Generator Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6022382</b>	
Status: Existing Initial Year: 2015 District 5 Location: 112 63rd Avenue East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove existing emergency power generator from inside lift station building and install larger generator outside with sound attenuating enclosure.	
<b>Rationale</b>	
Increase generator capacity, current generator is unable to run three pumps during power loss. Removing generator from the building will reduce excessive heat buildup.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	06/30/15	40,670	81,500	0	0	0	0	0	0	81,500
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/16	03/31/17	29	890,675	0	0	0	0	0	0	890,675
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	03/31/17	1,405	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>42,104</b>	<b>972,175</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>972,175</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

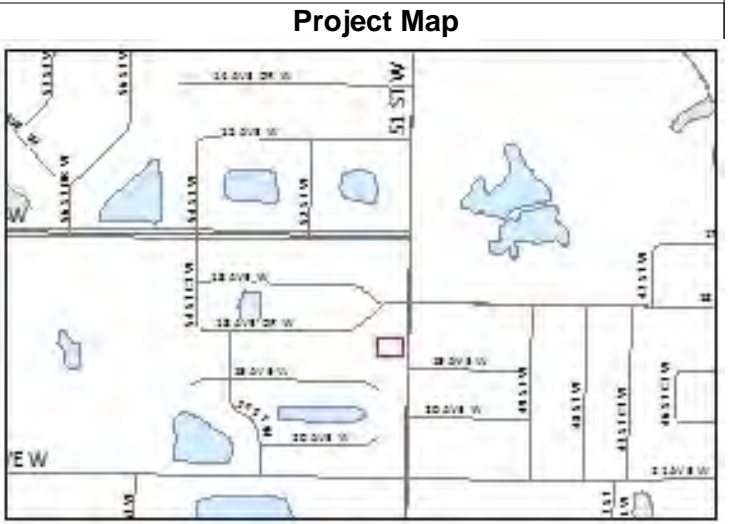
Funding Sources	Amount
All Prior Funding	972,175
<b>Total Funding:</b>	<b>972,175</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 1D Electrical Rehab</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01412</b>	
Status: Requested Initial Year: 2021 District 3 Location: 18th Ave - 51st St., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Upgrade existing service entrance breaker, remove transformer, distribution center, lighting panel, equipment room lighting, and drywell lighting. Replace and upgrade equipment to bring all electrical components to current standards, and air condition electrical space. New design and electrical system configuration will include arc flash electrical safety improvements for OSHA and NFPA-70E compliance.



**Rationale**

Main breaker needs to be upgraded and brought to code. Many components are obsolete and no longer serviceable.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/20	12/31/21	0	0	0	0	0	0	60,000	0	60,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	270,000	0	270,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/20	12/31/21	0	0	0	0	0	0	57,000	0	57,000
<b>Totals:</b>			0	0	0	0	0	0	387,000	0	387,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	387,000
<b>Total Funding:</b>	<b>387,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 1D Wet Well Rehab &amp; Dimminutor Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6060789</b>	
Status: Existing Initial Year: 2016 District 3 Location: 1806 51st Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Sherri Robinson</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove existing fiberglass liner, repair concrete structure, apply new fiberglass liner, repair/replace platform, grating, stairs, and handrails as necessary. Replace fiberglass stop gates and dimminutor and install new LED lighting system.	
<b>Rationale</b>	
With replacement of gates, flow channels can be isolated. LED lighting will provide additional safety, and dimminutor has reached its expected life span.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	12/31/16	0	47,250	0	0	0	0	0	0	47,250
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/17	0	841,000	0	0	0	0	0	0	841,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	2,676	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>2,676</b>	<b>888,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>888,250</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	888,250
<b>Total Funding:</b>	<b>888,250</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 1M Emergency Generator Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6022383</b>	

Status: Existing Initial Year: 2015 District 3 Location: 8720 44th Avenue West, Bradenton

**Comprehensive Plan Information**

Project Mgr: **William Lorenzo**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Remove existing emergency power generator from inside lift station building and install larger generator outside with sound attenuating enclosure.

**Project Map**



**Rationale**

Increase generator capacity, current generator is unable to run three pumps during power loss. Removing generator from the building will reduce excessive heat buildup.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	01/31/16	38,157	86,750	0	0	0	0	0	0	86,750
Land:			0	0	0	0	0	0	0	0	0
Construction:	05/01/16	06/30/17	22	541,000	0	0	0	0	0	0	541,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	06/30/17	1,337	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>39,516</b>	<b>627,750</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>627,750</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	627,750
<b>Total Funding:</b>	<b>627,750</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 27A Emergency Generator Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6022289</b>	
Status: Existing Initial Year: 2015 District 4 Location: 2484 53rd Avenue West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove existing emergency power generator from inside lift station building and install larger generator outside with sound attenuating enclosure.	
<b>Rationale</b>	
Increase generator capacity, current generator is unable to run three pumps during power loss. Removing generator from the building will reduce excessive heat buildup.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	06/30/15	38,194	36,750	0	0	0	0	0	0	36,750
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/16	03/31/17	0	641,000	0	0	0	0	0	0	641,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	03/31/17	1,394	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>39,588</b>	<b>677,750</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>677,750</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Funding Sources</b>	<b>Amount</b>
Personal:						
Non-Personal:						
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0	All Prior Funding	677,750
					Total Funding:	677,750

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 27A Pumps and Variable Frequency Drive Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01232</b>	
Status: Existing Initial Year: 2019 District 4 Location: 2484 53rd Avenue West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove and replace existing pumps and variable frequency drives.	
<b>Rationale</b>	
Current equipment reaching end of predicted life span are in need of replacement. Pumps are showing signs of wear and aging due to the corrosive atmosphere.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	03/31/19	0	0	0	0	20,000	0	0	0	20,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/19	12/31/19	0	0	0	0	400,000	0	0	0	400,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/19	0	0	0	0	80,000	0	0	0	80,000
<b>Totals:</b>			0	0	0	0	500,000	0	0	0	500,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	500,000
<b>Total Funding:</b>	<b>500,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 39A Emergency Generator Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01233</b>	
Status: Existing Initial Year: 2019 District 4 Location: 5621 39th Street East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove existing emergency power generator from inside lift station building and install larger generator outside with sound attenuating enclosure and replace the automatic transfer switch.	
<b>Rationale</b>	
Current generator is reaching life expectancy, and replacement is needed to prevent downtime due to catastrophic failure. Portable emergency generators would not be able to power all three pumps in this lift station, which could cause a sanitary sewage overflow. The generator also needs to be moved outside to reduce excessive heat in the building where electronics and control equipment are located.	
<b>Funding Strategy</b>	

Utility Rates												
<b>Schedule of Activities</b>			<b>Programmed Funding</b>									
<b>Activity</b>	<b>From</b>	<b>To</b>	<b>Expended to Date</b>	<b>Prior Year Approp.</b>	<b>FY2017</b>	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Future</b>	<b>Appropriated to Date</b>	
Design:	10/01/18	06/30/19	0	0	0	0	35,000	0	0	0	35,000	
Land:			0	0	0	0	0	0	0	0	0	
Construction:	07/01/19	07/31/20	0	0	0	0	350,000	0	0	0	350,000	
Equipment:			0	0	0	0	0	0	0	0	0	
Project Mgt.:	10/01/18	07/31/20	0	0	0	0	72,000	0	0	0	72,000	
<b>Totals:</b>			0	0	0	0	457,000	0	0	0	457,000	

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Funding Sources</b>	<b>Amount</b>
Personal:					Rates	457,000
Non-Personal:					Total Funding:	457,000
Operating Capital:						
Operating Total:						
No.of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 39A Pumps &amp; Variable Frequency Drive Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6017982</b>	
Status: Existing Initial Year: 2015 District 4 Location: 5621 39th Street East, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope** **Project Map**

Remove and replace existing pumps and variable frequency drives, and install new flow meter.



**Rationale**  
 Current equipment reaching predicted life span of 10 years - installed in 2005. Replacement equipment will provide more accurate flow rates.

**Funding Strategy**  
 Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	12/31/17	27,976	47,250	0	0	0	0	0	0	47,250
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	03/31/18	0	541,000	612,000	0	0	0	0	0	1,153,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	03/31/18	1,469	0	90,000	0	0	0	0	0	90,000
<b>Totals:</b>			<b>29,445</b>	<b>588,250</b>	<b>702,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,290,250</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	588,250
Rates	702,000
<b>Total Funding:</b>	<b>1,290,250</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 5 Electrical Improvements</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01413</b>	
Status: Requested Initial Year: 2021 District 3 Location: 4300 Gulf Drive, Holmes Beach		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Upgrade existing service entrance breaker, remove transformer, distribution center, lighting panel, equipment room lighting, and drywell lighting. Replace and upgrade equipment to bring all electrical components to current standards, and air condition electrical space. New design and electrical system configuration will include arc flash electrical safety improvements for OSHA and NFPA-70E compliance.

**Rationale**

Main breaker needs to be upgraded and brought to code. Many components are obsolete and no longer serviceable.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/20	03/31/21	0	0	0	0	0	0	60,000	0	60,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/21	12/31/21	0	0	0	0	0	0	270,000	0	270,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/20	12/31/21	0	0	0	0	0	0	57,000	0	57,000
<b>Totals:</b>			0	0	0	0	0	0	387,000	0	387,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	387,000
<b>Total Funding:</b>	<b>387,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS 5 Wet Well Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>6060786</b>	
Status: Existing Initial Year: 2016 District 3 Location: 4300 Gulf Drive, Holmes Beach		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Sherri Robinson</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

Remove existing fiberglass liner, repair concrete structure, apply new fiberglass liner, repair/replace fiberglass platform, grating, stairs, and handrails as necessary. Replace fiberglass stop gates, dimminutor and flow meter, and install new LED lighting system.



**Rationale**

With replacement of gates, flow channels can be isolated. LED lighting will provide additional safety, and dimminutor has reached its expected life span.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	12/31/16	0	86,750	0	0	0	0	0	0	86,750
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/17	0	421,000	208,000	0	0	0	0	0	629,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	276	0	50,000	0	0	0	0	0	50,000
<b>Totals:</b>			276	507,750	258,000	0	0	0	0	0	765,750

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	507,750
Rates	258,000
<b>Total Funding:</b>	<b>765,750</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS Lakewood Ranch Emergency Generator Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01237</b>	
Status: Existing Initial Year: 2019 District 5 Location: 11600 Clubhouse Drive, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Remove existing motor control center (MCC) and service entrance breaker, remove transformer, distribution center, lighting panel and equipment room lighting. Replace and upgrade generator to match recently replaced variable frequency drive and electrical improvements for energy efficiency and proper sizing. Electrical areas will be improved to air conditioned space, and the new design and configuration will include arc flash electrical safety improvements, which is OSHA and NFPA-70E compliant.



**Rationale**

The generator has reached the end of its useful life and needs to be replaced. The MCC needs to be upgraded and brought to National Electrical Code standards and safety codes. Many current electrical components are obsolete and no longer serviceable. Several components are no longer in use as other equipment has been upgraded during previous projects.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	06/30/19	0	0	0	0	90,000	0	0	0	90,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/19	07/31/20	0	0	0	0	585,000	0	0	0	585,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	07/31/20	0	0	0	0	120,000	0	0	0	120,000
<b>Totals:</b>			0	0	0	0	795,000	0	0	0	795,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	795,000
<b>Total Funding:</b>	<b>795,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS Lakewood Ranch Wet Well Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01238</b>	
Status: Existing Initial Year: 2019 District 5 Location: 11600 Clubhouse Drive, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove and replace existing fiberglass liner. Clean, prep and make necessary repairs to concrete structure before application of new liner system. Install new in-line grinder system and replace discharge piping, guide rails, pipe bracing, base ells, and/or mounting plates. Replace influent force man pipe restraints.	
<b>Rationale</b>	
Due to the heavily corrosive atmosphere, existing fiberglass liner is beginning to delaminate from the concrete structure, allowing hydrogen sulfide to deteriorate the concrete. Base elbows are worn and need to be replaced to prevent leaks or blow-by from causing additional damage. Pipe restraints are corroded and pipe needs to be replaced with current standard piping.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	03/31/19	0	0	0	0	17,500	0	0	0	17,500
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/19	12/31/19	0	0	0	0	365,000	0	0	0	365,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/19	0	0	0	0	73,000	0	0	0	73,000
<b>Totals:</b>			0	0	0	0	455,500	0	0	0	455,500

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Funding Sources</b>	<b>Amount</b>
Personal:					Rates	455,500
Non-Personal:					Total Funding:	455,500
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS N1-B Dimminutor Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6022288</b>	
Status: Existing Initial Year: 2015 District 1 Location: 2887 69th Street East, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Sherri Robinson</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove and replace existing dimminutor with similarly designed channel waste shredder. Repair and modify channel to allow new waste shredder to function properly. Rehab wet well and lift station.	
<b>Rationale</b>	
Current shredder has reached life expectancy, new shredder prevents large debris items from clogging pumps and reduces pump cleaning.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	12/31/15	0	18,375	0	0	0	0	0	0	18,375
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/16	12/31/16	22	511,000	0	0	0	0	0	0	511,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/16	2,130	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>2,152</b>	<b>529,375</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>529,375</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	529,375
<b>Total Funding:</b>	<b>529,375</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS N1-B Emergency Generator Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6060787</b>	
Status: Existing Initial Year: 2016 District 1 Location: 2887 69th Street East, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Remove existing emergency power generator from inside lift station building and install larger generator outside with sound attenuating enclosure.	
<b>Rationale</b>	
Increase generator capacity, current generator is unable to run three pumps during power loss. Removing generator from the building will reduce excessive heat buildup.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	06/30/16	26,116	86,750	0	0	0	0	0	0	86,750
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/16	07/31/17	0	421,000	200,000	0	0	0	0	0	621,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	07/31/17	1,022	0	30,250	0	0	0	0	0	30,250
<b>Totals:</b>			<b>27,138</b>	<b>507,750</b>	<b>230,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>738,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

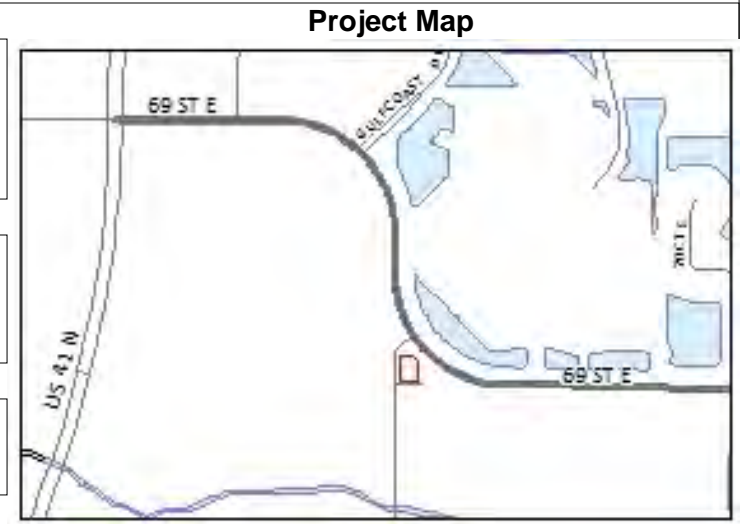
<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	507,750
Rates	230,250
<b>Total Funding:</b>	<b>738,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS N1-B Motor Control Center Rehab</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01414</b>	
Status: Requested Initial Year: 2021 District 1 Location: 2887 69th St E., Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Replace existing motor control center (MCC) and service entrance breaker, remove transformer, distribution center, lighting panel, equipment room lighting and drywell lighting. Replace and upgrade all equipment as needed to bring all components to current electrical standards, and air condition the electrical space. New design and electrical system configuration will include arc flash electrical safety improvements for OSHA and NFPA-70E compliance.



**Rationale**

The motor control center needs to be upgraded and brought to proper safety code. Many components are obsolete and no longer serviceable.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/20	03/31/21	0	0	0	0	0	0	100,000	0	100,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/21	12/31/21	0	0	0	0	0	0	485,000	0	485,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/20	12/31/21	0	0	0	0	0	0	102,000	0	102,000
<b>Totals:</b>			0	0	0	0	0	0	687,000	0	687,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	687,000
<b>Total Funding:</b>	<b>687,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS N1-B Pumps &amp; Variable Frequency Drive Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01241</b>	

Status: Existing Initial Year: 2021 District 1 Location: 2887 69th Street East, Palmetto

**Comprehensive Plan Information**

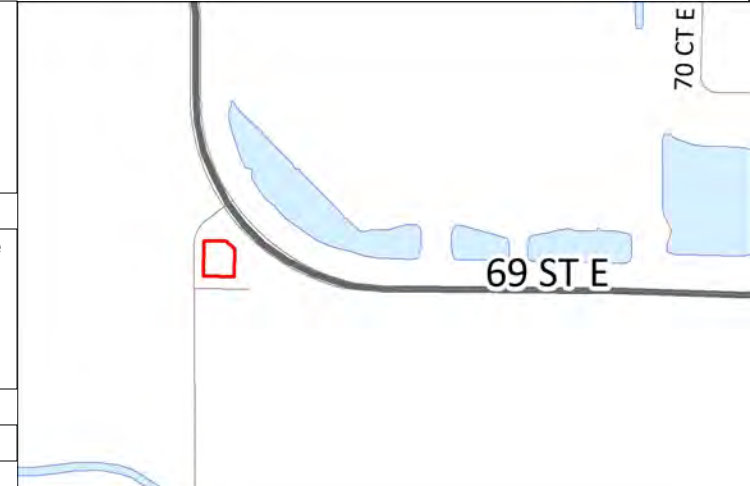
Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Remove and replace existing pumps and variable frequency drives, and install new flow meter within the dry well of the master station.

**Project Map**



**Rationale**

Current equipment reaching end of useful life. Replacement equipment will provide more accurate flow rates.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/20	03/31/21	0	0	0	0	0	0	20,000	0	20,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/21	12/31/21	0	0	0	0	0	0	400,000	0	400,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/21	0	0	0	0	0	0	80,000	0	80,000
<b>Totals:</b>			0	0	0	0	0	0	500,000	0	500,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	500,000
<b>Total Funding:</b>	<b>500,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS Tara 20 Wet Well Rehabilitation</b>
<b>Wastewater Restore/Rehab</b>	<b>6060788</b>	

Status: Existing Initial Year: 2016 District 5 Location: 7211 Stone River Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Sherri Robinson**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Remove existing fiberglass liner, repair concrete structure, apply new fiberglass liner, repair/replace fiberglass platform, grating, stairs, and handrails as necessary. Replace fiberglass stop gates, dimminutor and flow meter, and install new LED lighting system.

**Project Map**



**Rationale**

With replacement of gates, flow channels can be isolated. LED lighting will provide additional safety, and dimminutor has reached its expected life span.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	12/31/16	0	31,500	0	0	0	0	0	0	31,500
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/17	0	360,675	0	0	0	0	0	0	360,675
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/17	4,155	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>4,155</b>	<b>392,175</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>392,175</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No.of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	392,175
<b>Total Funding:</b>	<b>392,175</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>MLS Tideview 4 Emergency Generator Replacement</b>
<b>Wastewater Restore/Rehab</b>	<b>6060785</b>	
Status: Existing Initial Year: 2016 District 1 Location: 1355 41st Avenue East, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>William Lorenzo</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
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Remove existing emergency power generator from inside lift station building and install larger generator outside with sound attenuating enclosure.



**Rationale**

Increase generator capacity, current generator is unable to run three pumps during power loss. Removing generator from the building will reduce excessive heat buildup.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	06/30/16	26,562	86,750	0	0	0	0	0	0	86,750
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/16	07/31/17	0	421,000	125,000	0	0	0	0	0	546,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	07/31/17	940	0	125,000	0	0	0	0	0	125,000
<b>Totals:</b>			<b>27,502</b>	<b>507,750</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>757,750</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	507,750
Rates	250,000
<b>Total Funding:</b>	<b>757,750</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Sewer Screening System for Detention Center</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01411</b>	
Status: Requested Initial Year: 2020 District 1 Location: 14470 Harlee Road, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Maintenance</b>

**Scope**

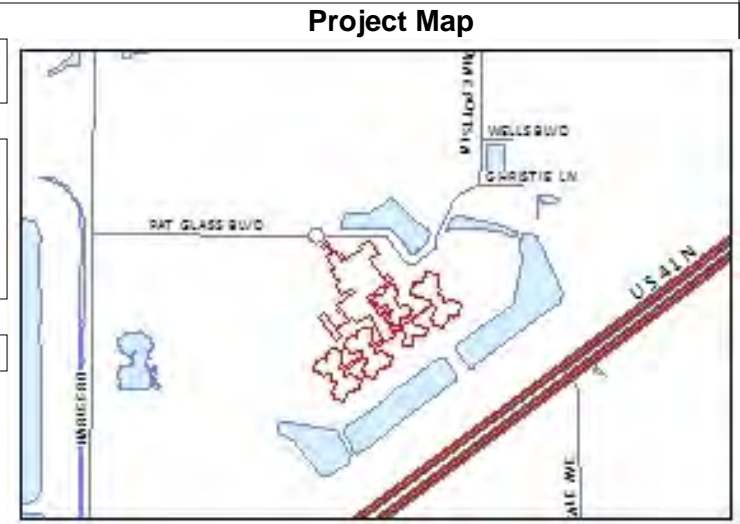
Replace existing screening system at Manatee County Detention Center. Retrofit existing structure and replace existing bar screen with new screening system.

**Rationale**

Existing screen has issues handling debris coming from the Detention Center, particularly large objects such as clothing, bed sheets, shoes, and other objects that are being put in the collection system. These objects cause the clogging of the current screen, which causes bypassing of the screening system and does not permit the capture of these large objects. This causes issues with the lift station pumps and force main system.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	03/31/20	0	0	0	0	0	30,000	0	0	30,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/20	12/31/20	0	0	0	0	0	363,630	0	0	363,630
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/20	0	0	0	0	0	75,000	0	0	75,000
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>468,630</b>	<b>0</b>	<b>0</b>	<b>468,630</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

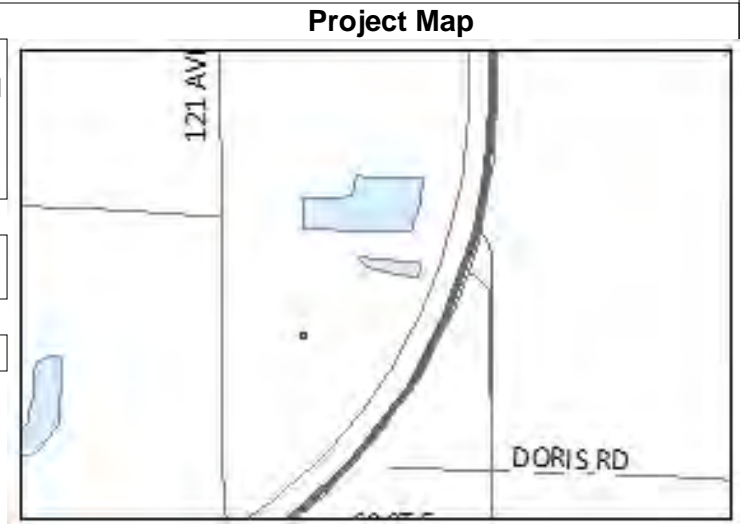
Funding Sources	Amount
Rates	468,630
<b>Total Funding:</b>	<b>468,630</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Tidevue Electrical Rehab</b>
<b>Wastewater Restore/Rehab</b>	<b>WW01415</b>	
Status: Requested Initial Year: 2021 District 1 Location: US301 - Ft. Hamer Road, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Upgrade existing service entrance breaker, remove transformer, distribution center, lighting panel, equipment room lighting, and drywell lighting. Replace and upgrade equipment to bring all electrical components to current standards, and air condition electrical space. New design and electrical system configuration will include arc flash electrical safety improvements for OSHA and NFPA-70E compliance.



**Rationale**

Motor Control Center needs to be upgraded and brought to code. Many components are obsolete and no longer serviceable.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/20	03/31/21	0	0	0	0	0	0	60,000	0	60,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/21	12/31/21	0	0	0	0	0	0	290,000	0	290,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/20	12/31/21	0	0	0	0	0	0	61,000	0	61,000
<b>Totals:</b>			0	0	0	0	0	0	411,000	0	411,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	411,000
<b>Total Funding:</b>	<b>411,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Trailer Estates Restore &amp; Rehab</b>
<b>Wastewater Restore/Rehab</b>	<b>6018082</b>	
Status: Requested Initial Year: 2017 District 4 Location: Canada Avenue, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

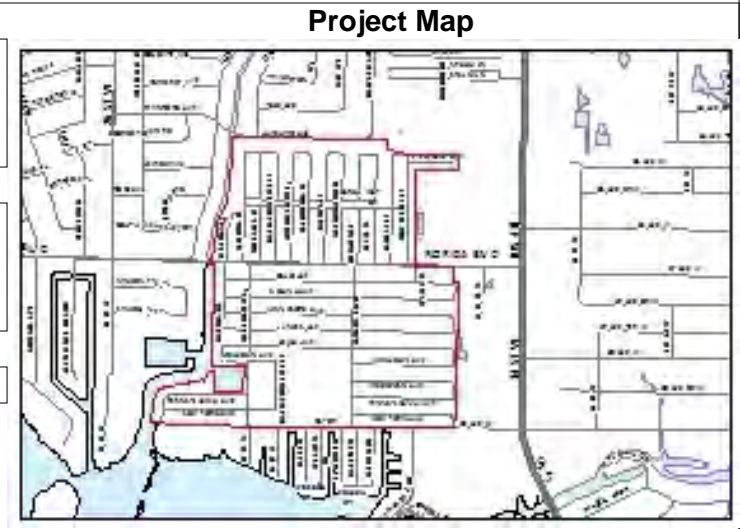
Repair and replace infrastructure, including service lateral locations connecting to trailers. Service lateral and connection points are a potential groundwater access point. Inspection and design of the system is required to determine the best and most cost efficient method of rehab required. Project costs shall include evaluation of existing system.

**Rationale**

System is aging and experiencing a high infiltration rate in the area. Additionally, there are concerns for potential spills, sinkholes, line breaks, stoppages and locations adjacent to the waterway. After reviewing the location of this infrastructure, it was determined that the materials originally installed and quality of installation has created unfavorable maintenance conditions.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	12/31/17	0	0	50,000	0	0	0	0	0	50,000
Land:			0	0	0	0	0	0	0	0	0
Construction:			0	0	0	0	0	0	0	0	0
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/17	0	0	20,000	0	0	0	0	0	20,000
<b>Totals:</b>			0	0	70,000	0	0	0	0	0	70,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	70,000
<b>Total Funding:</b>	<b>70,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>45th Street East - 44th Avenue East - SR 70 - Sewer</b>
<b>Wastewater Transportation Related</b>	<b>6025682</b>	

Status: Existing Initial Year: 2013 District 5 Location: 45th St E - 44th Ave E - SR 70, Bradenton

**Comprehensive Plan Information**

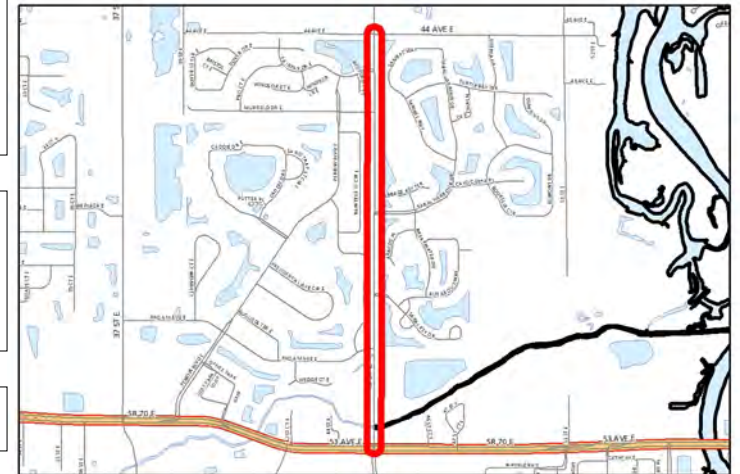
Project Mgr: **Taha Ataya**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Relocation and upgrade of existing sewer lines as part of roadway enhancement project.

**Project Map**



**Rationale**

Improve sewer line location and capacity.

**Funding Strategy**

Debt  
 Facility Investment Fees - Sewer

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	08/31/14	26,191	150,000	0	0	0	0	0	0	150,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	11/01/15	06/30/18	822	553,576	0	0	0	0	0	0	553,576
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	06/30/18	1,212	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>28,225</b>	<b>703,576</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>703,576</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0


**Means of Financing**

Funding Sources	Amount
All Prior Funding	703,576
<b>Total Funding:</b>	<b>703,576</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>53rd Avenue West (43rd Street West - 75th Street West)</b>
<b>Wastewater Transportation Related</b>	<b>6082990</b>	<b>Reclaimed Water</b>
Status: Existing Initial Year: 2014 District 3 Location: 53rd Ave W (43rd St W - 75th St W), Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Anthony Benitez</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Replace approximately 1,300 linear feet of 24 inch ductile iron reclaim line pipe.	
<b>Rationale</b>	
Reclaimed waterline replacement part of traffic flow enhancement.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/12	06/30/14	884	0	0	0	0	0	0	0	0
Land:	04/01/12	12/31/13	0	0	0	0	0	0	0	0	0
Construction:	07/01/14	12/31/16	513,355	700,000	0	0	0	0	0	0	700,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/12	12/31/16	8,050	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>522,289</b>	<b>700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>700,000</b>

**Operating Budget Impacts**

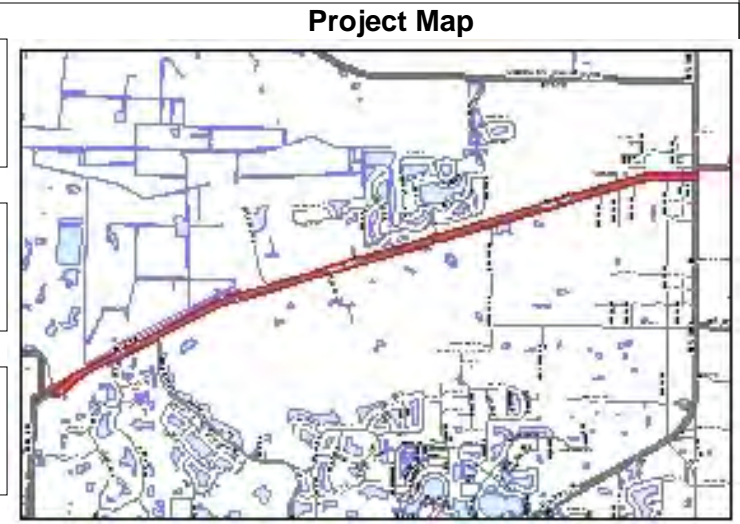
	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	700,000
<b>Total Funding:</b>	<b>700,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Erie Road North - US301 - Utility Relocations</b>
<b>Wastewater Transportation Related</b>	<b>6082880</b>	
Status: Existing Initial Year: 2014 District 1 Location: Erie Road North - US301, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Mike Sturm</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>
Relocate sewer lines and force main.
<b>Rationale</b>
Utility relocations due to the Erie Road Transportation Project.
<b>Funding Strategy</b>
Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	12/31/16	0	0	26,000	0	0	0	0	0	26,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/14	12/31/16	0	0	300,000	0	0	0	0	0	300,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/16	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	326,000	0	0	0	0	0	326,000

**Operating Budget Impacts**

	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Rates	326,000
<b>Total Funding:</b>	<b>326,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Rye - SR 64 - Upper Manatee River Road - Sewer</b>
<b>Wastewater Transportation Related</b>	<b>6086180</b>	

Status: Existing Initial Year: 2015 District 1 Location: Rye Road-SR64-Upper Manatee River Road, Bradenton

**Comprehensive Plan Information** Project Mgr: **Mike Sturm**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Replacement and upsizing of approximately 11,500 linear feet of 6" force main with 8" force main, and replacement and upsizing of approximately 2,000 linear feet of 8" force main with 18" force main.

**Project Map**



**Rationale**

Replacement and upsizing necessary to accommodate area growth and to accommodate new 6" - 8" force main planned from the Water Treatment Plant.

**Funding Strategy**

Facility Investment Fees - Sewer

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	03/15/15	09/30/15	225,805	200,000	0	0	0	0	0	0	200,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/15	12/31/16	1,800	1,750,000	0	0	0	0	0	0	1,750,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	03/15/15	12/31/16	8,809	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>236,414</b>	<b>1,950,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,950,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

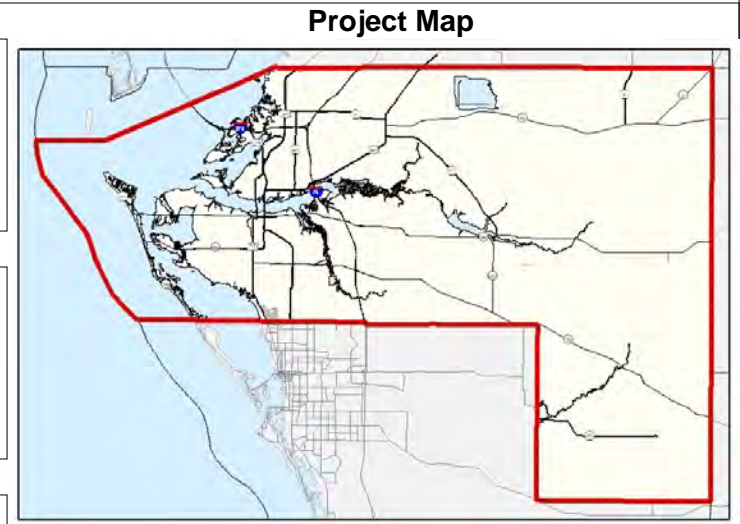
Funding Sources	Amount
All Prior Funding	1,950,000
<b>Total Funding:</b>	<b>1,950,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Transportation Related - Wastewater</b>
<b>Wastewater Transportation Related</b>	<b>WW01372</b>	
Status: Existing Initial Year: 2020 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Projects to be identified as associated with the Florida Department of Transportation (FDOT) road improvement efforts that involve the moving of utility infrastructure (sewer lines) that are in the FDOT right of way.



**Rationale**

Manatee County is required by state statute to relocate county-owned infrastructure in the FDOT right of way when necessary. FDOT projects are not scheduled in advance to allow for future CIP programming for specific projects.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/21	0	0	0	0	0	1,000,000	1,000,000	0	2,000,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	0	0	1,000,000	1,000,000	0	2,000,000

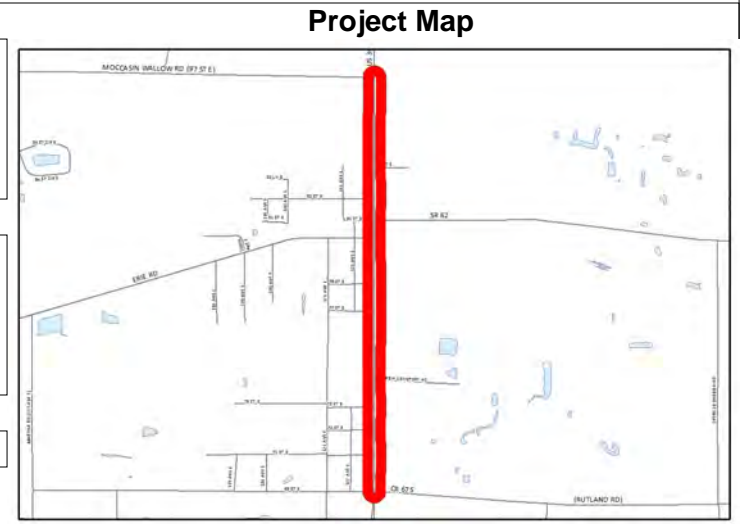
<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					Rates	2,000,000
Non-Personal:					Total Funding:	2,000,000
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>US301 - CR 675 - Moccasin Wallow Road - Sewer</b>
<b>Wastewater Transportation Related</b>	<b>6085480</b>	
Status: Existing Initial Year: 2011 District 1 Location: US 301 - CR 675 - Moccasin Wallow Road, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Anthony Benitez</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Other Need</b>

**Scope**

Relocation of existing sewer lines as part of an upgrade to the existing roadway to a four or six lane divided roadway with bike lanes, sidewalks and street lights.



**Rationale**

To relocate existing sewer lines as part of roadway enhancement project.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/10	06/30/12	0	9,975	0	0	0	0	0	0	9,975
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/14	12/31/16	12,637	27,000	0	0	0	0	0	0	27,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/10	12/31/16	13,656	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>26,292</b>	<b>36,975</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>36,975</b>

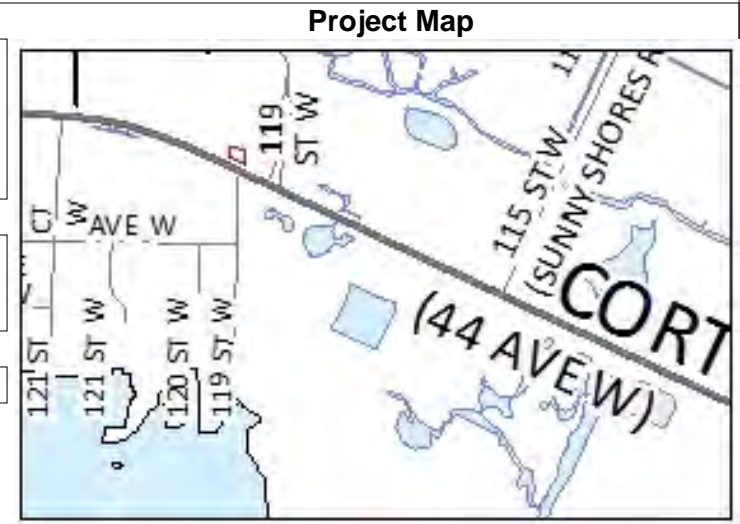
<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:					All Prior Funding	36,975
Non-Personal:					Total Funding:	36,975
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Cortez Road DIW Booster Station</b>
<b>Wastewater Treatment</b>	<b>WW01410</b>	
Status: Requested Initial Year: 2020 District 3 Location: 11900 Cortez Rd. W., Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Other Need</b>

**Scope**

Install booster station with redundant pumps to deliver maximum flow at maximum pressure. Booster station will be dedicated to the Cortez Road DIW in close proximity to the well head. Appurtenances will be included such as flow metering, pressure monitoring, and telemetry for SCADA control to be modified and augmented at the SWWRF. Well head shall be improved per SWWRF Recharge well design.



**Rationale**

Reclaimed water disposal may be increased in the rainy season, and maintenance events such as well acidation may be minimized. With more reliable reclaimed water disposal, may be able to dispose of less reclaimed water as it will be less risky to maintain higher inventories.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	300,000	0	0	300,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	2,100,000	0	2,100,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	15,000	420,000	0	435,000
<b>Totals:</b>			0	0	0	0	0	315,000	2,520,000	0	2,835,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	2,835,000
<b>Total Funding:</b>	<b>2,835,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Deep Injection Well Booster Station</b>
<b>Wastewater Treatment</b>	<b>WW01222</b>	
Status: Existing Initial Year: 2018 District 3 Location: 11900 Cortez Road West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference: _____ Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
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Install booster station with redundant pumps to deliver maximum flow at maximum pressure as permitted. All appurtenances are to be included such as flow metering, pressure monitoring, SCADA telemetry/control, and surge valve control. Baffles or piping shall be added to stop lake water from short circuiting to the well. Remove old, unused gates and replace Chlorine Contact Chamber influent and effluent gates. Eliminate bypass channel and install pump system to drain Chlorine Contact Chambers for cleaning and maintenance. Inspect structures and walkways and repair as required. Build new Motor Control Center and Chlorine Contact Chamber mixing blower building close to the CCC/wetwell and demolish old buildings.



**Rationale**

Reclaimed water disposal may be increased in the rainy season. Maintenance events such as well acidation may be minimized. With more reliable reclaimed water disposal, may be able to dispose of less reclaimed water as it will be less risky to maintain higher inventories. Energy savings may occur due to not maintaining the whole reclaimed water system not being needed to a high pressure water disposal.

**Funding Strategy**

Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	705,000	0	0	0	0	705,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/19	0	0	0	0	4,683,000	0	0	0	4,683,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/19	0	0	0	35,250	468,300	0	0	0	503,550
<b>Totals:</b>			0	0	0	740,250	5,151,300	0	0	0	5,891,550

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Debt Proceeds	5,891,550
<b>Total Funding:</b>	<b>5,891,550</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Manatee Agricultural Reclaimed System Chlorination at Southwest Water Reclamation Facility</b>
<b>Wastewater Treatment</b>	<b>6082190</b>	

Status: Existing Initial Year: 2015 District 3 Location: 5101 65th Street West, Bradenton

**Comprehensive Plan Information**

Project Mgr:

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Install a sodium hypochlorite storage and feed system to chlorinate water supplied from the existing 10 million gallon storage tanks to MARS. This should include storage tank with containment, feed pumps, chlorine residual monitoring and control, roof-over, truck unloading, eyewash and any other necessary appurtenances. The system is to operate automatically and be programmed in to SCADA.

**Project Map**



**Rationale**

After the second reclaimed water storage tank is added all MARS water will flow through the storage tanks prior to entering the MARS system, allowing for possible chlorine dissipation. Chlorination is necessary to minimize biological growth in the MARS distribution system and prevent possible fouling and odor issues.

**Funding Strategy**

Utility Rates

**Schedule of Activities**

**Programmed Funding**

Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	04/30/15	77,348	84,000	0	0	0	0	0	0	84,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/16	12/31/16	317,730	681,000	0	0	0	0	0	0	681,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/16	24,054	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>419,132</b>	<b>765,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>765,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	765,000
<b>Total Funding:</b>	<b>765,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Manatee Agricultural Reuse Supply - Erie Road Main Tie-In</b>
<b>Wastewater Treatment</b>	<b>6085590</b>	

Status: Existing Initial Year: 2013 District 1 Location: Harrison Ranch Boulevard - US301, Parrish

**Comprehensive Plan Information**

Project Mgr: **Mike Sturm**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Construct reclaim water line from Harrison Ranch Boulevard to Copperstone Phase 1 using approximately 7,800 linear feet of 16 inch ductile iron pipe.

**Project Map**



**Rationale**

Install reclaimed water line to complete a major looped system for Erie Road and Copperstone. This project was originally planned further out, but will be constructed at the same time as the water line to be more cost effective.

**Funding Strategy**

Facility Investment Fees - Sewer

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	09/30/17	0	311,000	0	0	0	0	0	0	311,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/19	0	0	0	1,730,000	0	0	0	0	1,730,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	12/31/19	0	0	0	346,000	0	0	0	0	346,000
<b>Totals:</b>			0	311,000	0	2,076,000	0	0	0	0	2,387,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	311,000
Facility Investment Fees	2,076,000
<b>Total Funding:</b>	<b>2,387,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Manatee Agricultural Reuse Supply - Management</b>
<b>Wastewater Treatment</b>	<b>6082091</b>	<b>Improvements</b>
Status: Existing Initial Year: 2014 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

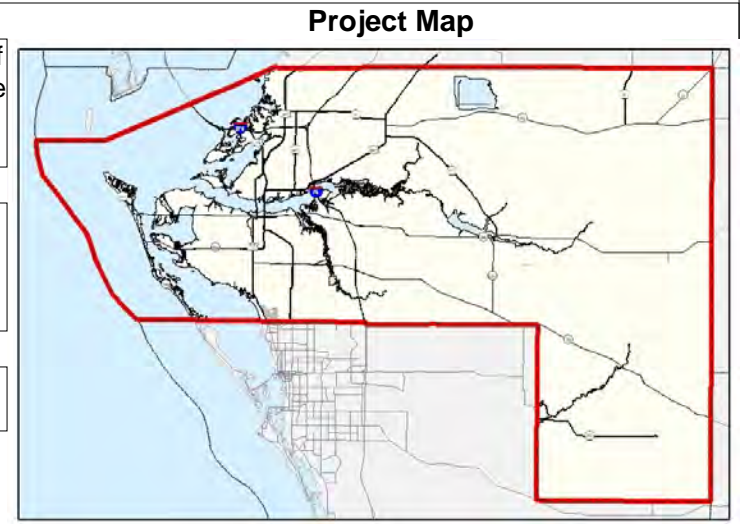
Installation of meters between services areas, control valves for remote operation and redirection of flow, adding telemetry and control at the water reclamation facilities and Manatee Agricultural Reuse Supply (MARS) pump stations. Develop a central Supervisory Control and Data Acquisition (SCADA) control network to operate MARS independent of plant operations.

**Rationale**

Currently, MARS system's master meters do not provide adequate detail for tracking flows within or between the service areas. This project will build on the existing MARS and SCADA systems to improve reporting of reclaimed water usage and will provide the county with the ability to remotely manage and monitor the reclaim water system independent of plant operations.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	03/31/15	455,667	407,500	0	0	0	0	0	0	407,500
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/15	03/31/17	490,064	4,482,500	0	0	0	0	0	0	4,482,500
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	03/31/17	36,681	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>982,412</b>	<b>4,890,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,890,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	4,890,000
<b>Total Funding:</b>	<b>4,890,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Manatee Reclaimed System Booster Pump Stations</b>
<b>Wastewater Treatment</b>	<b>WW00968</b>	
Status: Existing Initial Year: 2020 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

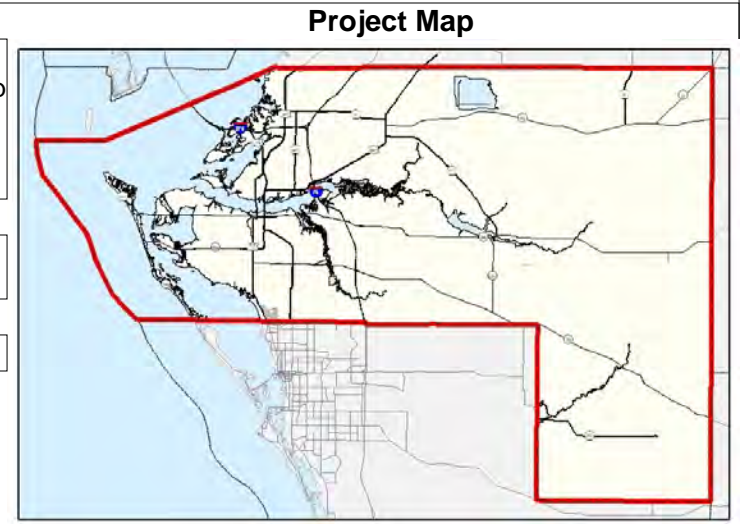
Install and replace pumps at the MRS booster pump stations per the most current MRS Master Plan. Currently, this consists of replacement of two pumps with larger size pumps, one larger pump at Rye Road Station, and the addition of one pump at 63rd Avenue Station. All appurtenances are to be included, such as new electrics, drives, flow metering, pressure monitoring, and telemetry for SCADA control. New isolation and check valves shall also be included on an as needed basis.

**Rationale**

Ensure levels of service are maintained with the growth of the system and to facilitate movement of water in the system to avoid discharge.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	670,000	0	0	670,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	03/31/22	0	0	0	0	0	0	4,466,000	0	4,466,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	03/31/22	0	0	0	0	0	33,500	446,600	0	480,100
<b>Totals:</b>			0	0	0	0	0	703,500	4,912,600	0	5,616,100

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	5,616,100
<b>Total Funding:</b>	<b>5,616,100</b>

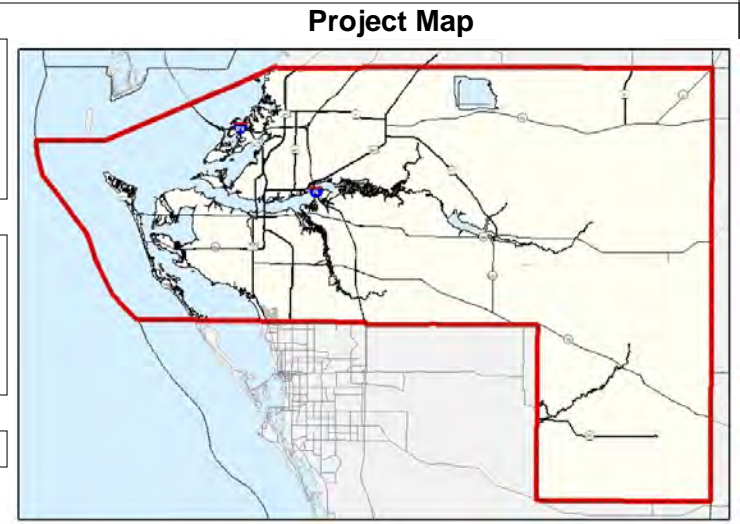


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Manatee Reclaimed System Reclaim Participation</b>
<b>Wastewater Treatment</b>	<b>WW01373</b>	
Status: Existing Initial Year: 2020 Countywide Location: Countywide		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

**Scope**

Upsizing of reclaimed water transmission lines in various locations in response to developer construction occurring ahead of our master plan.



**Rationale**

Provides for significant cost savings for the county as private developers share in the cost of the infrastructure through a participation agreement.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/21	0	0	0	0	0	100,000	100,000	0	200,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	0	0	0	0
<b>Totals:</b>			0	0	0	0	0	100,000	100,000	0	200,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	200,000
<b>Total Funding:</b>	<b>200,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>NWRF 10MG Reclaimed Water Storage Tank and High Service Pump Station</b>
<b>Wastewater Treatment</b>	<b>WW01422</b>	

Status: Requested Initial Year: 2021 District 1 Location: 8500 69th St. E., Palmetto

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Other Need**

**Scope**

Install new 10 MG reclaimed water storage tank with a high service pump station (HSPS) to feed the Manatee Reuse System (MRS) and plant reuse water from the new tank/pump station. Conversion of the existing effluent pump station to a low pressure transfer station to feed effluent to the storage lakes and new tanks. Project shall include necessary appurtenances, including valves, piping EI&C and SCADA programming modifications and additions. Demolition of old tank and grouting and/or removal of old piping also included.

**Project Map**



**Rationale**

Existing 0.75 MG storage tank is in poor condition and the size is not adequate for the flows currently experienced and projected for the future in the North service area. The existing effluent pump station currently does not produce enough head at times to supply MRS adequately. The new tank and HSPS will allow for better supply of MRS, and provide a potential energy savings.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/20	09/30/21	0	0	0	0	0	0	748,000	0	748,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/21	12/31/22	0	0	0	0	0	0	0	9,340,000	9,340,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/20	12/31/22	0	0	0	0	0	0	37,500	934,000	971,500
<b>Totals:</b>			0	0	0	0	0	0	785,500	10,274,000	11,059,500

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	11,059,500
<b>Total Funding:</b>	<b>11,059,500</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

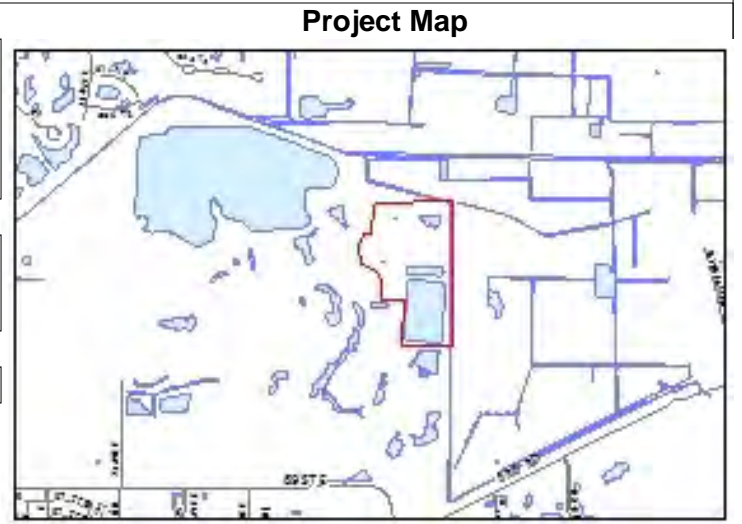
<b>Wastewater</b>	Project#	<b>NWRF Reclaimed Water Storage Lake Improvements</b>
<b>Wastewater Treatment</b>	<b>WW01421</b>	
Status: Requested Initial Year: 2020 District 1 Location: 8500 69th St E., Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Reduce slope to 3:1 where necessary on golf course lake. Remove the peninsula in the golf course lake and level berm to a slightly higher elevation than the wetlands south of the lake. Install outfall structures capable of metering and discharging adequate volumes to maintain berm safety during a storm on both golf course and east lakes. Install solar bees for lake recirculation/algae control on the golf course lake. All necessary electrical, instrument, and SCADA control work will be included.

**Rationale**

A 3:1 slope has been determined to be the optimum erosion in lakes. Leveling the berm and removing the peninsula in the golf course lake will increase reclaimed water storage capacity, which is needed to support system growth.



**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	300,000	0	0	300,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	2,330,000	0	2,330,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	15,000	470,000	0	485,000
<b>Totals:</b>			0	0	0	0	0	315,000	2,800,000	0	3,115,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	3,115,000
<b>Total Funding:</b>	<b>3,115,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>North Water Reclamation Facility 4th Belt Filter Press &amp; BFP Automation</b>
<b>Wastewater Treatment</b>	<b>WW01244</b>	

Status: Existing Initial Year: 2019 District 1 Location: 8500 69th Street East, Palmetto

**Comprehensive Plan Information**

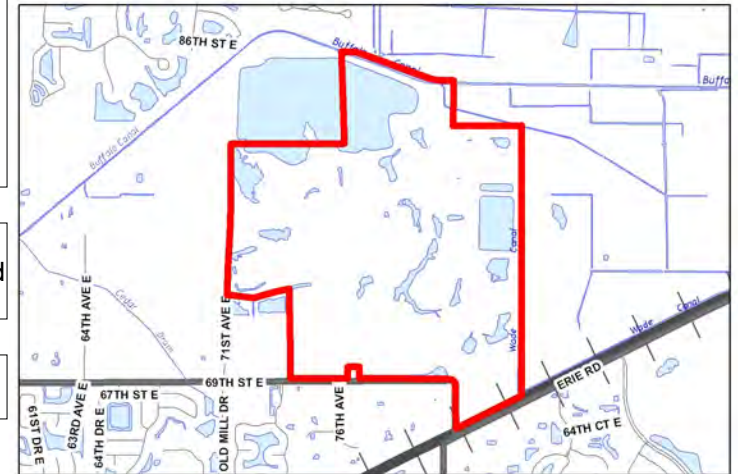
Project Mgr: **Jeff Streitmatter**

CIE Project: **Yes** LOS/Concurrency: **No** Plan Reference: Project Need: **Growth**

**Scope**

Install a fourth belt filter press (BFP), associated catwalk, two additional polymer and sludge feed pumps, one additional polymer mixing tank, and all other required appurtenances. Rehab the existing sludge conveyor and truck load-out system, and modify to accommodate the new BFP. Rehab existing BFP's and replace power, instrumentation and controls to facilitate automatic operations. Install cameras to monitor BFP's, conveyors and truck load-out areas from the Administration Building control room, and include SCADA programming for monitoring and control.

**Project Map**



**Rationale**

Sludge production is increasing at the NWRF. This addition will enhance system redundancy to facilitate proper preventive maintenance and shorten down time. Sludge trailers will be able to filled faster, enhancing dryer/landfill logistics.

**Funding Strategy**

Facility Investment Fees - Sewer  
Utility Rates

**Schedule of Activities**

**Programmed Funding**

Activity	From	To	Expended to Date	Prior Year Approp.	Programmed Funding					Appropriated to Date	
					FY2017	FY2018	FY2019	FY2020	FY2021		Future
Design:	10/01/18	09/30/19	0	0	0	0	373,000	0	0	0	373,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/20	0	0	0	0	0	2,484,000	0	0	2,484,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/20	0	0	0	0	20,000	248,000	0	0	268,000
<b>Totals:</b>			0	0	0	0	393,000	2,732,000	0	0	3,125,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

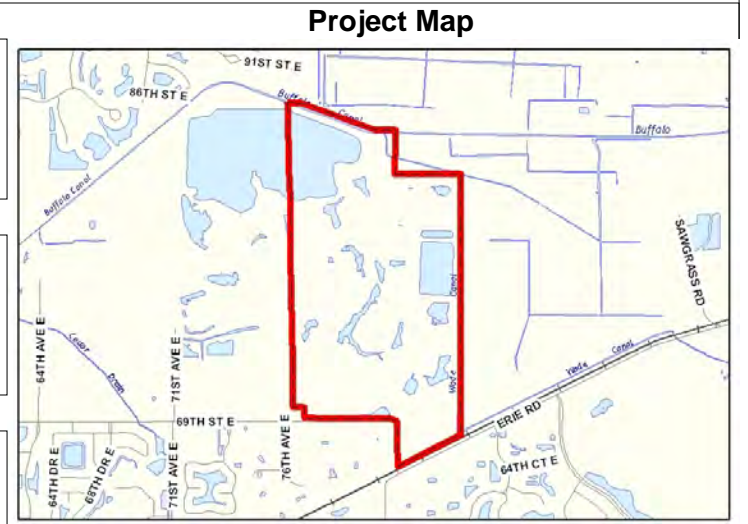
Funding Sources	Amount
Facility Investment Fees	1,562,500
Rates	1,562,500
<b>Total Funding:</b>	<b>3,125,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>North Water Reclamation Facility Class I Deep Injection Well</b>
<b>Wastewater Treatment</b>	<b>6079480</b>	
Status: Existing Initial Year: 2010 District 1 Location: Buffalo Creek Golf Course - Erie Road, Parrish		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>Yes</b> LOS/Concurrency: <b>No</b> Plan Reference:		Project Need: <b>Growth</b>

**Scope**

Construction of a Class I Deep Injection Well system for the disposal of excess reclaimed water during wet weather seasons, and for brine concentrate from the future Reverse Osmosis facility. Includes permitting, design, and construction of injection wells and associated monitoring wells, piping, valves, flow meters, and connection to existing Supervisory Control and Data Acquisition (SCADA) system, and all other required appurtenances.



**Rationale**

During wet weather seasons, supply of reclaimed water exceeds demand. Without additional disposal options during these circumstances, unauthorized discharge to surface bodies of water is the only strategy that can be utilized to avoid damage to existing infrastructure (lake berms, etc.). Unauthorized discharges put the county at risk for enforcement actions by regulatory agencies that can include consent orders, fines, etc.

**Funding Strategy**

Debt Proceeds  
 Utility Rates  
 Facility Investment Fees - Sewer

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/16	12/31/16	1,073,162	1,042,719	600,000	0	0	0	0	0	1,642,719
Land:	04/01/13	03/31/14	0	0	0	0	0	0	0	0	0
Construction:	01/01/17	12/31/20	278	10,425,000	7,700,000	0	0	0	0	0	18,125,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/16	12/31/20	65,582	330,000	800,000	0	0	0	0	0	1,130,000
<b>Totals:</b>			<b>1,139,022</b>	<b>11,797,719</b>	<b>9,100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,897,719</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	FY2018	FY2019	FY2020	FY2021	Funding Sources	Amount
Personal:						
Non-Personal:	374,280	374,280	0	0	All Prior Funding	11,797,719
Operating Capital:					Facility Investment Fees	3,574,359
Operating Total:	374,280	374,280	0	0	Rates	5,525,641
No. of Positions:	0	0	0	0	Total Funding:	20,897,719

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>North Water Reclamation Facility Equalization Tank</b>
<b>Wastewater Treatment</b>	<b>6088490</b>	

Status: Existing Initial Year: 2014 District 1 Location: Buffalo Creek Golf Course - Erie Road, Parrish

**Comprehensive Plan Information**

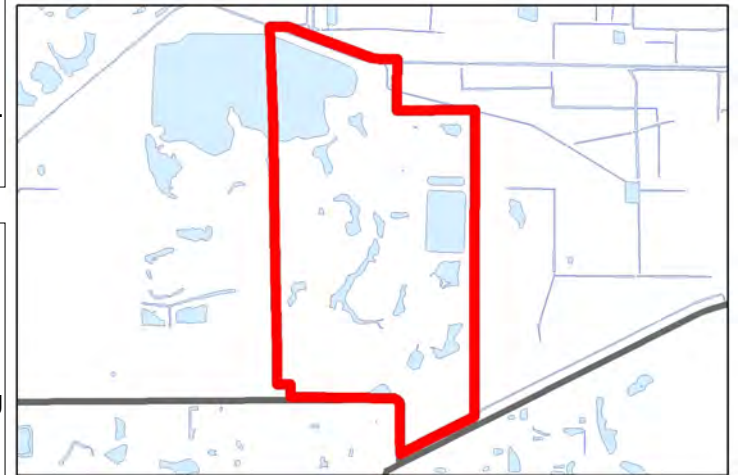
Project Mgr:

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Engineer, design, specify and construct a 3 Million Gallon (MG) equalization tank to regulate inflows. The project will include a 3 MG tank with piping, valves, return pumps, mixing system, level control, odor control system, SCADA, and platform with stairway. To accomplish the construction, the electrical services currently in the old headworks will be relocated to a new motor control center. The project will also include demolition of the existing headworks structure and yard piping modifications to existing piping.

**Project Map**



**Rationale**

The project will provide a balanced inflow throughout a 24 hour day. The benefit of a balanced flow is stabilization of the process through the plant operation over a 24 hour period. With a stabilized flow, the plant will be able to consistently meet permitted regulatory compliance obligations and provide cost savings on electric usage and bleach consumption. The stabilized flow will provide for a consistent pressure and volume of reuse water sent to the MARS system. The demolition of the old headworks has to be accomplished to place the tank in an advantageous location to the existing influent lines. The old headworks currently serves as a junction box for the existing electric for the area, necessitating the relocation of these electric components to a new motor control center.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/15	09/30/16	454,429	404,000	0	0	0	0	0	0	404,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/18	0	780,000	5,459,000	0	0	0	0	0	6,239,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/15	12/31/18	9,071	0	545,900	0	0	0	0	0	545,900
<b>Totals:</b>			<b>463,500</b>	<b>1,184,000</b>	<b>6,004,900</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,188,900</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	1,184,000
Debt Proceeds	4,445,900
Rates	1,559,000
<b>Total Funding:</b>	<b>7,188,900</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>North Water Reclamation Facility Secondary Clarifier 1 &amp; 2</b>
<b>Wastewater Treatment</b>	<b>WW01246</b>	<b>Refurbishment</b>
Status: Existing Initial Year: 2018 District 1 Location: 8500 69th Street East, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference: _____ Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Secondary Clarifiers #1 & #2 need to be resealed and grouted, and the drive units and rakes replaced. Launderers will structural repair and replacement of "V" notch weirs. Replace inlet and slide gates, and gate control mechanisms. Repair existing suction tubes, and upgrade ducking skimmers, control panels and alarm controls to SCADA standards as needed. Replace existing scum ejection system with progressing cavity pump system and install a system to intercept scum from the secondary clarifiers and separate "rags" from liquids.	
<b>Rationale</b>	
Clarifiers have been in service since 1987 and internal parts are failing, and replacement parts are no longer available. Clarifiers are structurally sound but all mechanical parts are corroded and in need of replacement. Parts of rakes are missing and there is a hydraulic short circuit at the weir baffles and launders. Scum ejector system does not work, and replacement parts are no longer available.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	230,000	0	0	0	0	230,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/19	0	0	0	0	1,600,000	0	0	0	1,600,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/19	0	0	0	11,500	320,000	0	0	0	331,500
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>241,500</b>	<b>1,920,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,161,500</b>

<b>Operating Budget Impacts</b>					<b>Means of Financing</b>	
	<b>FY2018</b>	<b>FY2019</b>	<b>FY2020</b>	<b>FY2021</b>	<b>Funding Sources</b>	<b>Amount</b>
Personal:					Rates	2,161,500
Non-Personal:					Total Funding:	2,161,500
Operating Capital:						
Operating Total:						
No. of Positions:	0	0	0	0		



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>North Water Reclamation Facility Sludge Holding Improvements</b>
<b>Wastewater Treatment</b>	<b>6050581</b>	

Status: Existing Initial Year: 2013 District 1 Location: Buffalo Creek Golf Course - Erie Road, Parrish

**Comprehensive Plan Information**

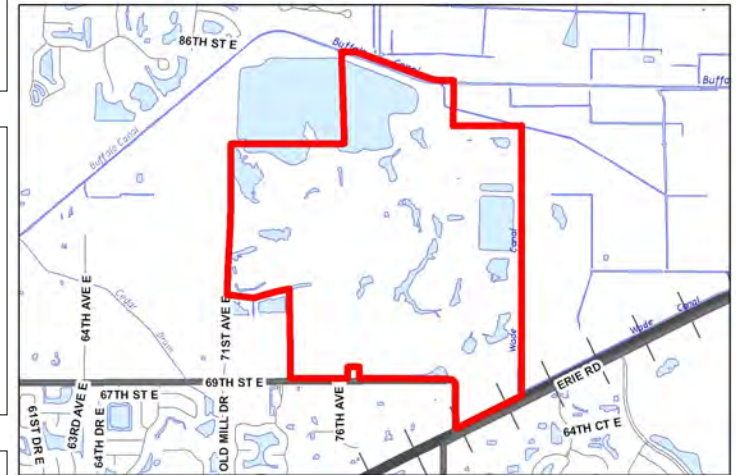
Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Removal of the existing two steel holding tanks, centrifugal blowers and air piping and replace with two glass lined steel tanks with decant manifolds, two new gravity belt thickeners and jet aeration systems.

**Project Map**



**Rationale**

One tank was replaced with a new glass lined steel sludge digestion tank with a decant manifold and fine bubble aeration through a previous CIP. The remaining two steel tanks, sludge pumps and air lines have degraded and are in need of significant repairs or replacement. The new tanks will provide greater operational flexibility and control over the sludge holding process and will be compatible with the sludge requirements for processing Type A biosolids at the dryer facility. Once this project is complete, the sludge digestion will be re-designated as sludge holding as digestion will no longer be necessary at this facility. The sludge holding system was predicated by our transition to processing sludge at the dryer facility within the confines of the current Florida Department of Environmental Protection permit.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	09/30/13	364,433	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/16	3,300,367	4,595,000	0	0	0	0	0	0	4,595,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	12/31/16	209,631	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>3,874,431</b>	<b>4,595,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,595,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	4,595,000
<b>Total Funding:</b>	<b>4,595,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>North Water Reclamation Facility South Chlorine Contact Chamber Refurbishment</b>
<b>Wastewater Treatment</b>	<b>WW01247</b>	
Status: Existing Initial Year: 2018 District 1 Location: 8500 69th Street East, Palmetto		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Rehab the South Chlorine Contact Chamber including replacement of expansion strips and new seal coat. Replace inlet and slide gates and install isolation valve on 36" line. Replace inlet gates on North Chlorine Contact Chamber as the existing gates are too short, which allows water to flow over the top of the inlet gates.	
<b>Rationale</b>	
Without isolation valve and working gates to the South Chlorine Contact Chamber, we cannot stop flow during high flows or when switching Contact Chambers during reject events. Without isolation, cleaning of contaminated chamber after reject event is nearly impossible. Class 1 reliability and system redundancy is required, and reject protocol is mandated. Replacement of inlet gates will allow for isolation of Chlorine Contact Chambers #3 & #4.	
<b>Funding Strategy</b>	
Utility Rates	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	07/31/18	0	0	0	114,000	0	0	0	0	114,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/01/18	06/01/19	0	0	0	0	862,000	0	0	0	862,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	06/01/19	0	0	0	5,700	172,400	0	0	0	178,100
<b>Totals:</b>			0	0	0	119,700	1,034,400	0	0	0	1,154,100

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

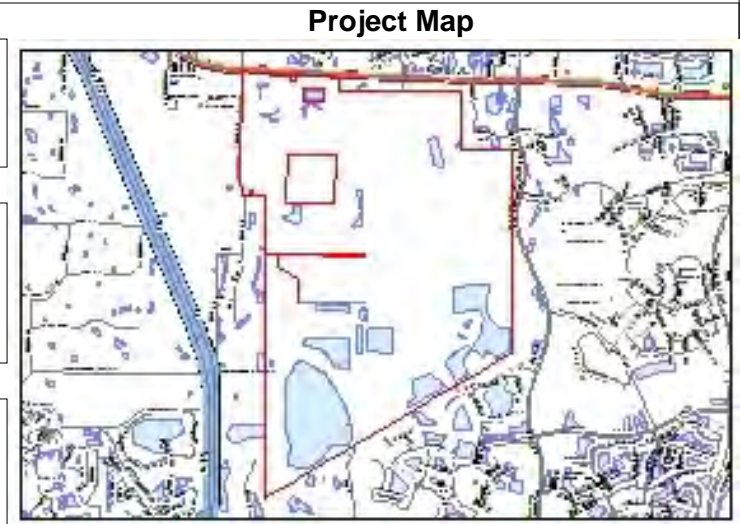
<b>Means of Financing</b>	
Funding Sources	Amount
Rates	1,154,100
<b>Total Funding:</b>	<b>1,154,100</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>SEWRF &amp; Landfill Network Connection</b>
<b>Wastewater Treatment</b>	<b>6088680</b>	
Status: Requested Initial Year: 2021 District 5 Location: 3331 Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Other Need</b>		

**Scope**

Install conduit from the School Board/County conduit on SR 64 to the Landfill Administration Building. Install fiber from the Health Department on 6th Avenue to the Landfill Administration Building. Install all necessary network ports, switches and appurtenances to complete the network.



**Rationale**

There are currently slow data exchange issues at the Biosolids Dryer. Issues will continue to increase as the size and complexity of the SEWRF increases. Additionally, Verizon network usage costs will continue to increase.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/16	12/31/17	0	0	325,000	0	0	0	0	0	325,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/17	0	0	65,000	0	0	0	0	0	65,000
<b>Totals:</b>			<b>0</b>	<b>0</b>	<b>390,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>390,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	390,000
<b>Total Funding:</b>	<b>390,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>SEWRF Anoxic Basin Mixer Replacement</b>
<b>Wastewater Treatment</b>	<b>WW01417</b>	
Status: Requested Initial Year: 2020 District 5 Location: 3331 Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

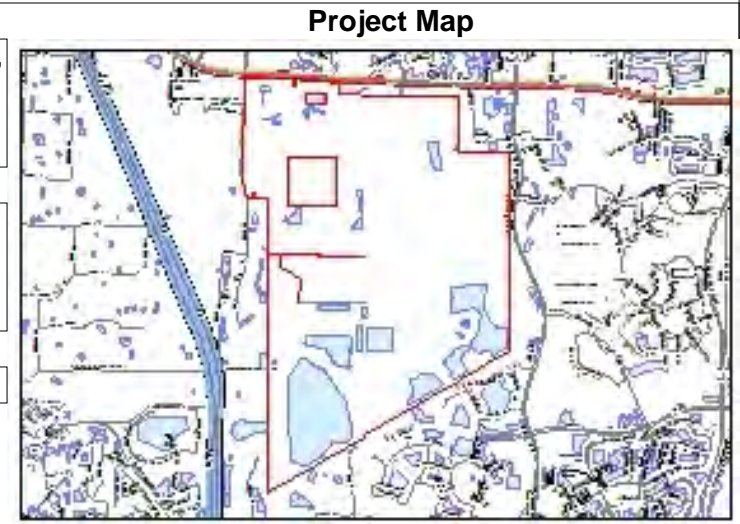
Remove and replace existing anoxic basin mixers in Basins 1, 2, and 3 (6 total) with OVIVO mixers, including new power cables and breakers. Perform structural inspection of Basin 3 and determine necessary repairs or modifications. Replace existing fiberglass cover and liquor gate on Basin 3, and replace the sluice gates on Basins 1 and 2.

**Rationale**

Mixers have reached the end of their useful life and are in need of replacement. The NWRF recently replaced with OVIVO mixers and are working well, and the similar equipment at the SEWRF would improve continuity between the facilities and allow sharing of spare parts and knowledge. Basin 3 cover and gates are deteriorated and in need of replacement.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	228,000	0	0	228,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	1,516,000	0	1,516,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	12,000	304,000	0	316,000
<b>Totals:</b>			0	0	0	0	0	240,000	1,820,000	0	2,060,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	2,060,000
<b>Total Funding:</b>	<b>2,060,000</b>

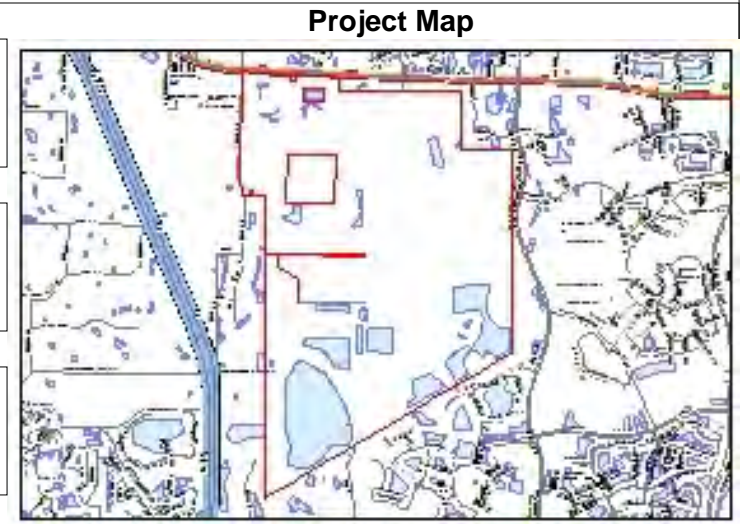


**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>SEWRF Arc Flash Mitigation</b>
<b>Wastewater Treatment</b>	<b>WW01420</b>	
Status: Requested Initial Year: 2019 District 5 Location: 3331 Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b> LOS/Concurrency: <b>No</b> Plan Reference: Project Need: <b>Maintenance</b>		

**Scope**

Replace disconnects with NEMA 4X or NEMA 1 rated disconnects, and replace motor control centers (MCC) 9 & 10. Install breaker between FPL transformer and the Biosolids Dryer MCC to mitigate arc flash hazard. MCC's and breaker shall be specified for minimal arc flash hazard.



**Rationale**

Project is necessary to comply with NFPA70-E standards and must be done to minimize arc flash hazard to personnel and equipment.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	03/31/19	0	0	0	0	50,000	0	0	0	50,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/19	12/31/19	0	0	0	0	350,000	0	0	0	350,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/19	0	0	0	0	75,000	0	0	0	75,000
<b>Totals:</b>			0	0	0	0	475,000	0	0	0	475,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	475,000
<b>Total Funding:</b>	<b>475,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>SEWRF Automatic Backwash Filter Refurbishment</b>
<b>Wastewater Treatment</b>	<b>WW01418</b>	

Status: Requested Initial Year: 2020 District 5 Location: 3331 Lena Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Removal and replacement of filter media, washwater troughs, porous plates and air diffusers for automatic backwash filter #3 & #4.

**Project Map**



**Rationale**

Filter media should be replaced every 3-5 years in order for the material to be effective in reducing the turbidity level to an acceptable level. The underdrain porous plates, washwater troughs and air scour diffusers are in need of replacement as they are deteriorating to the point of affecting the efficiency and performance of the filters.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	107,000	0	0	107,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	1,062,000	0	1,062,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	6,000	213,000	0	219,000
<b>Totals:</b>			0	0	0	0	0	113,000	1,275,000	0	1,388,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	1,388,000
<b>Total Funding:</b>	<b>1,388,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>SEWRF Refurbishment of Automatic Backwash Filters 1 &amp; 2</b>
<b>Wastewater Treatment</b>	<b>6087780</b>	

Status: Existing Initial Year: 2016 District 5 Location: 3331 Lena Road, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **Yes** Plan Reference: Project Need: **Maintenance**

**Scope**

Removal and replacement of the filter media, washwater troughs, porous plates and rails for automatic backwash filters 1 & 2.

**Project Map**



**Rationale**

The underdrain porous plates, washwater troughs, and rails are in need of replacement as they are deteriorating to the point of affecting the efficiency and performance of the filters.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	03/01/16	12/31/18	10,754	70,000	0	0	0	0	0	0	70,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/16	12/31/18	0	630,000	0	0	0	0	0	0	630,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	03/01/16	12/31/18	0	130,000	0	0	0	0	0	0	130,000
<b>Totals:</b>			10,754	830,000	0	0	0	0	0	0	830,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

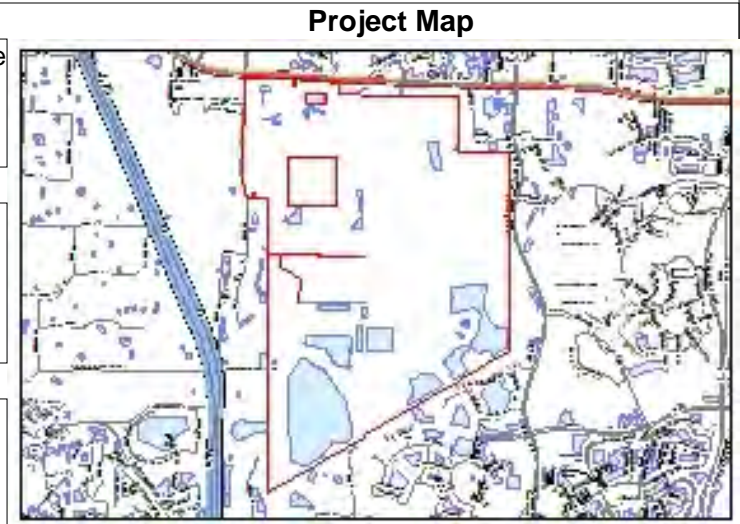
Funding Sources	Amount
All Prior Funding	830,000
<b>Total Funding:</b>	<b>830,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>SEWRF Slide &amp; Sluice Gates Replacement</b>
<b>Wastewater Treatment</b>	<b>WW01416</b>	
Status: Requested Initial Year: 2020 District 5 Location: 3331 Lena Road, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

Removal and replacement of sluice and slide gates, including actuators and handles, at the chlorine contact basins and mixing flocculation basins.



**Rationale**

Gates have reached the end of their useful life and are in need of replacement. The gates are necessary to allow operations to direct the flow of water to the appropriate system for treatment. Gates are critical to the operation and require ongoing maintenance.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	116,000	0	0	116,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	769,000	0	769,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	6,000	154,000	0	160,000
<b>Totals:</b>			0	0	0	0	0	122,000	923,000	0	1,045,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	1,045,000
<b>Total Funding:</b>	<b>1,045,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>SWWRF Second Cloth Filter</b>
<b>Wastewater Treatment</b>	<b>WW01423</b>	
Status: Requested Initial Year: 2020 District 3 Location: 5101 65th Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>Yes</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

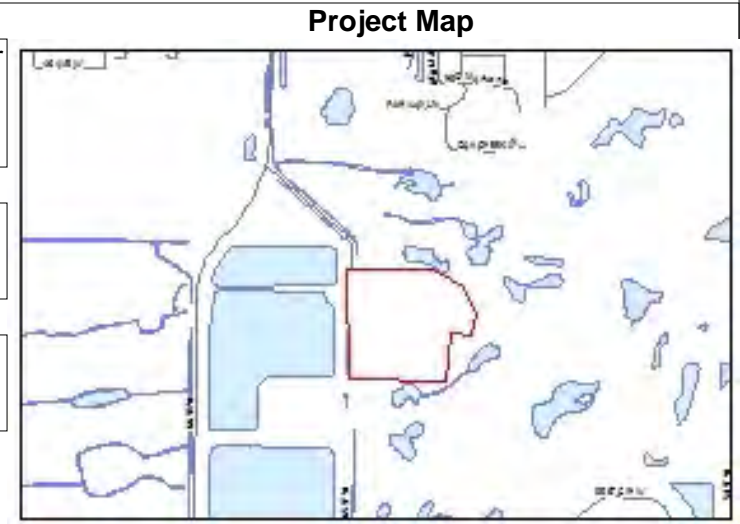
Convert one existing sand filter to a cloth filter. This will include demolition of the existing sand filter components, installation of the equipment needed for the new cloth filter, and any modifications in piping and channels to ensure proper distribution of water between filters and chlorine contact chambers. SCADA modifications will be included.

**Rationale**

Adding a cloth filter will increase total filter capacity and help maintain class one reliability.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/19	09/30/20	0	0	0	0	0	303,000	0	0	303,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/20	12/31/21	0	0	0	0	0	0	2,020,000	0	2,020,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/19	12/31/21	0	0	0	0	0	16,000	405,000	0	421,000
<b>Totals:</b>			0	0	0	0	0	319,000	2,425,000	0	2,744,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	2,744,000
<b>Total Funding:</b>	<b>2,744,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southeast Water Reclamation Facility 10 Million Gallon Storage Tanks and Interconnection</b>
<b>Wastewater Treatment</b>	<b>6084880</b>	

Status: Existing Initial Year: 2013 District 5 Location: SR 64 - Lena Road, Bradenton

**Comprehensive Plan Information**

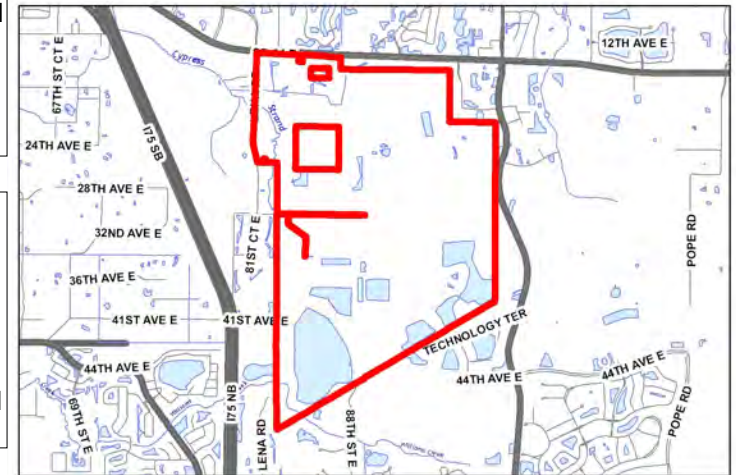
Project Mgr: **Anthony Benitez**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Construction of one 10 million gallon reclaimed water ground storage tank, a high service reclaimed water pump station, and an interconnection between the Southeast Water Reclamation Facility reclaimed lakes and the Manatee Agricultural Reuse Supply (MARS) transmission line. Converting existing high service pump station to a transfer pump station.

**Project Map**



**Rationale**

With the integration of the MARS reclaimed water system, management of the reclaimed water has dynamically changed. Currently the operations staff is having difficulty meeting peak reclaimed water demands due to their inability to return lake water quickly enough to meet peak demands. This will be resolved in part by installing back pressure sustaining valves on the supply lines to control system pressure. The lake filtration project will improve lake water supply, but it is still necessary to have sufficient ground storage capacity to meet peak diurnal demands. This project will save energy costs by reducing the operating pressure of the onsite reclaimed water system and will provide the county the ability to transfer reclaimed water from one facility to another.

**Funding Strategy**

Debt Proceeds  
 Grants  
 Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/13	02/01/14	33,319	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	03/01/14	12/31/16	8,251,004	11,216,747	0	0	0	0	0	0	11,216,747
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/13	12/31/16	365,803	32,000	0	0	0	0	0	0	32,000
<b>Totals:</b>			<b>8,650,126</b>	<b>11,248,747</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,248,747</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	11,248,747
<b>Total Funding:</b>	<b>11,248,747</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southeast Water Reclamation Facility Headworks Rehabilitation</b>
<b>Wastewater Treatment</b>	<b>6083380</b>	

Status: Existing Initial Year: 2013 District 5 Location: SR 64 - Lena Road, Bradenton

**Comprehensive Plan Information**

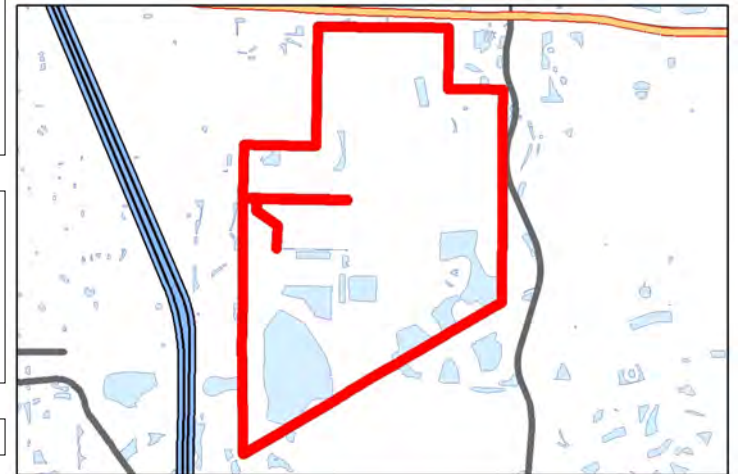
Project Mgr: **William Lorenzo**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Design and rehabilitate the headworks at the Southeast Water Reclamation Facility (SEWRF) to include a new grit system, a structural repair of the concrete channels including a concrete sealing application, replacement of the existing bar screens with new technology bar screens and rehabilitation of the current piping. Remove and relocate the existing electrical system to the existing motor control center (MCC).

**Project Map**



**Rationale**

The existing headworks is approximately 23 years old. All of the influent coming into the plant is processed through this concrete and mechanical structure and influent water is a highly corrosive environment for both. Sections of the concrete structure and existing equipment are in need of rehabilitation and replacement. The corrosive atmosphere in the headworks building has corroded the electrical components necessitating their replacement. To avoid future problems with the new switchgear, the components will be moved to a less corrosive environment.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	09/30/13	306,191	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	07/01/14	12/31/16	1,710,685	2,450,000	0	0	0	0	0	0	2,450,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	12/31/16	135,138	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>2,152,014</b>	<b>2,450,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,450,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,450,000
<b>Total Funding:</b>	<b>2,450,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southeast Water Reclamation Facility Internal Recycle Pumps</b>
<b>Wastewater Treatment</b>	<b>6083580</b>	

Status: Existing Initial Year: 2013 District 5 Location: SR 64 - Lena Road, Bradenton

**Comprehensive Plan Information**

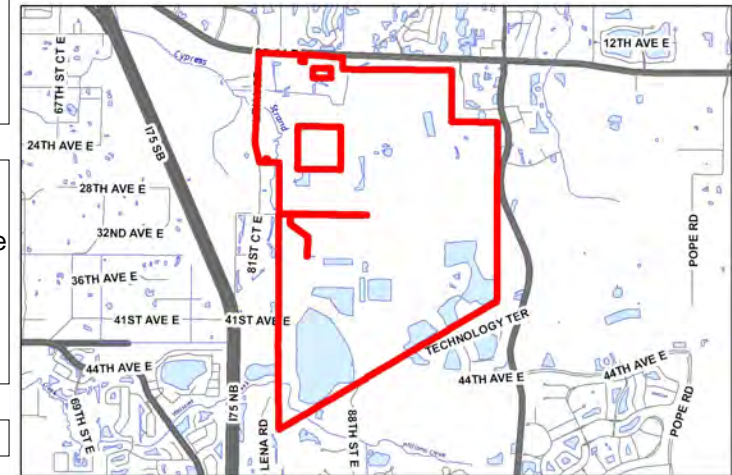
Project Mgr:

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Construction of a new internal recycle pump station and aeration control system to include removal of the valve and piping inside the existing oxidation ditches, installation of a new isolation valve outside of the tank, installation of new internal recycle pumps and piping, and system programming to control the aerator speed.

**Project Map**



**Rationale**

The existing internal recycle pump and valve system predates the 2000 Southeast Water Reclamation Facility (SEWRF) expansion. The age and configuration of the system is resulting in operational issues with consequential increased maintenance costs. The SEWRF is replacing these pumps in the same configuration as being completed at the North Water Reclamation Facility to resolve these issues and to move the isolation valve outside the tank. The replacement of this system will result in better internal return flows, improved nitrogen removal and improved ability to maintain the equipment.

**Funding Strategy**

Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	09/30/13	180,676	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/16	2,234,896	2,910,000	0	0	0	0	0	0	2,910,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	12/31/16	116,938	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>2,532,510</b>	<b>2,910,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,910,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,910,000
<b>Total Funding:</b>	<b>2,910,000</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southeast Water Reclamation Facility Lake Filtering System -</b>
<b>Wastewater Treatment</b>	<b>6073780</b>	<b>Slope Stabilization</b>

Status: Existing Initial Year: 2009 District 5 Location: SR 64 - Lena Road, Bradenton

**Comprehensive Plan Information**

Project Mgr:

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Installation of lake filtration system, slope stabilization, pump station upgrades, valves, flow meters, chemical feed system and appurtenances.

**Project Map**



**Rationale**

Following the treatment process, wastewater effluent is pumped to bulk storage lakes. When needed for irrigation, this water is filtered and pumped to the county's reuse system. The lake filters are designed to screen the water and help prevent clogging of irrigation system components. The lake filters are not functioning as required. This results in higher operational costs and impacts to the wastewater treatment plant process for filtration and treatment.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	01/01/10	09/30/13	557,033	400,000	0	0	0	0	0	0	400,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/17	4,506,069	5,820,000	0	0	0	0	0	0	5,820,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	01/01/10	12/31/17	282,106	325,000	0	0	0	0	0	0	325,000
<b>Totals:</b>			<b>5,345,208</b>	<b>6,545,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,545,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	6,545,000
<b>Total Funding:</b>	<b>6,545,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southeast Water Reclamation Facility Maintenance Building</b>
<b>Wastewater Treatment</b>	<b>6085080</b>	

Status: Existing Initial Year: 2013 District 5 Location: SR 64 - Lena Road, Bradenton

**Comprehensive Plan Information**

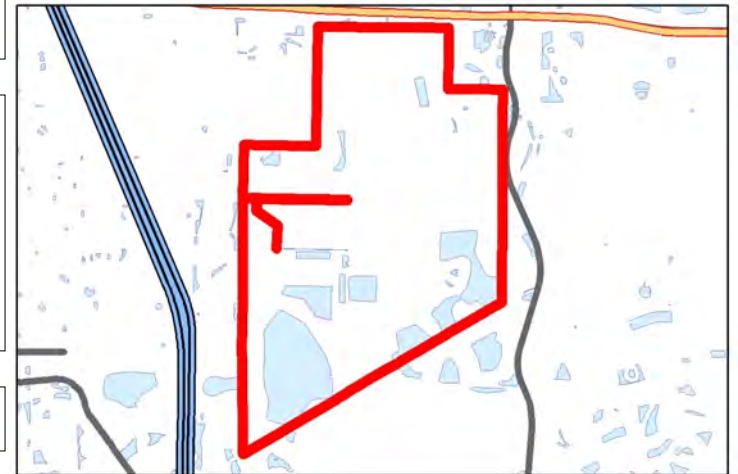
Project Mgr: **Tom Yarger**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Design and construct a new 13,500 square foot maintenance/warehouse building to include offices, maintenance shop, and warehouse facilities for the wastewater division staff.

**Project Map**



**Rationale**

Currently there is no central maintenance/warehouse facility at the Southeast Water Reclamation Facility (SEWRF) for the plant staff and biosolids dryer staff. The maintenance staff shares the locker room and lunch area in the administration building with the plant operations personnel. The dryer operators/maintenance personnel do not have a locker room or lunch area. An all purpose maintenance/warehouse facility at the site will enhance the organization/operation on the site. Additionally, the facility will be used for storm emergency operations since it is located out of the 100 year flood plain and hurricane storm surge areas which will allow the division to safely store critical operational parts and equipment.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	09/30/13	506,475	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/13	12/31/16	2,414,209	3,016,000	0	0	0	0	0	0	3,016,000
Equipment:			14,060	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	12/31/16	51,954	20,000	0	0	0	0	0	0	20,000
<b>Totals:</b>			<b>2,986,699</b>	<b>3,036,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,036,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	35,000	35,000	0	0
Operating Capital:				
Operating Total:	35,000	35,000	0	0
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	3,036,000
<b>Total Funding:</b>	<b>3,036,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southeast Water Reclamation Facility Septage Receiving Station</b>
<b>Wastewater Treatment</b>	<b>6083480</b>	

Status: Existing Initial Year: 2013 District 5 Location: SR 64 & Lena Road

**Comprehensive Plan Information**

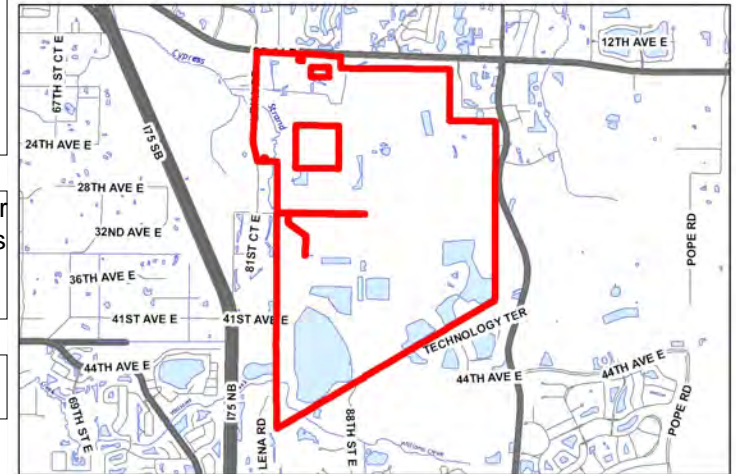
Project Mgr:

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Construction of an automated septage receiving station to include an access terminal that would allow customers to deliver septage at an unmanned holding system using an access card to grant admittance, process charges, and record flows. Specific equipment would include septage conditioning tanks, a vacuum drum, dewatering system, ventilation system, piping, electrical, instrumentation and control work.

**Project Map**



**Rationale**

The current practice is to receive privately transported shipments of septage at the Southeast Water Reclamation Facility, mix the septage with mulch and deposit it in the county landfill. This process is a labor intensive operation, performed outdoors and is a source of odors. The proposed septage process is fully automated, does not emit odors and will reduce processing labor.

**Funding Strategy**

Debt Proceeds  
Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/12	09/30/14	255,119	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/16	12/31/16	1,528,657	4,400,500	0	0	0	0	0	0	4,400,500
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/12	12/31/16	52,965	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,836,740</b>	<b>4,400,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,400,500</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	4,400,500
<b>Total Funding:</b>	<b>4,400,500</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southwest Water Reclamation Facility - Electrical Distribution</b>
<b>Wastewater Treatment</b>	<b>WW01370</b>	<b>System Rehab/Enhancement</b>
Status: Existing Initial Year: 2019 District 3 Location: 5101 65th Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

**Scope**

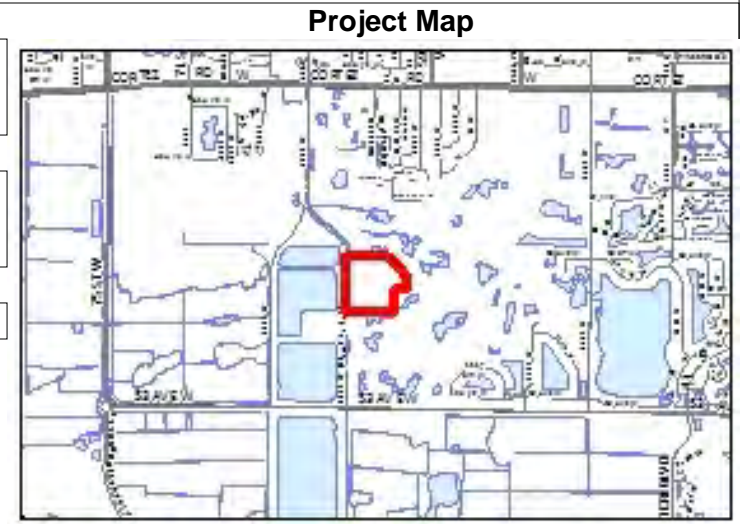
Replace/upgrade electrical distribution components to include air conditioning for electrical rooms, remove substations 1, 2, 9 & 10 replace motor control centers E1 & E2, replace switchboards 11 & 12, and replace main 5 kV switch gear, wiring, breakers and controls.

**Rationale**

Much of the equipment at the SWWRF is more than 25 years old, some is obsolete, and most is nearing the end of it's useful life. Each of these factors make the whole system inefficient and unreliable, and this rehabilitation will increase the safety and productivity at the SWWRF.

**Funding Strategy**

Utility Rates



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	09/30/19	0	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/19	12/31/21	0	0	0	0	0	1,025,450	2,880,450	0	3,905,900
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/18	12/31/21	0	0	0	0	0	205,090	288,045	0	493,135
<b>Totals:</b>			0	0	0	0	0	1,230,540	3,168,495	0	4,399,035

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Rates	4,399,035
<b>Total Funding:</b>	<b>4,399,035</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southwest Water Reclamation Facility Automatic Backwash</b>
<b>Wastewater Treatment</b>	<b>6016681</b>	<b>Filter Rehabilitation</b>

Status: Existing Initial Year: 2014 District 3 Location: 66th Street - 53rd Avenue West, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Anthony Benitez**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Remove the existing filter media, inspect the under drains, rails and bridge equipment, make necessary repairs, replace the media plates and fill the filter basins with new media.

**Project Map**



**Rationale**

The lake water returned from the reclaimed storage ponds to the existing automatic backwash filters contains high concentrations of algae and solids resulting in particulate breakthrough reducing filter performance and shortening the life span of the filter media. During this maintenance operation when the filter basins are empty, it is beneficial to inspect and repair the media grating, the traveling bridge rails and the mechanical bridge equipment. Without regular maintenance the mechanical equipment loses calibration, resulting in greater or emergency repair costs.

**Funding Strategy**

Debt Proceeds  
 Utility Rates

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:			121,242	0	0	0	0	0	0	0	0
Land:			0	0	0	0	0	0	0	0	0
Construction:	02/17/15	12/31/16	1,215,671	2,459,000	0	0	0	0	0	0	2,459,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	05/01/13	12/31/16	86,868	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,423,781</b>	<b>2,459,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,459,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	2,459,000
<b>Total Funding:</b>	<b>2,459,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southwest Water Reclamation Facility Belt Filter Press Electrical Rehabilitation &amp; Monitoring</b>
<b>Wastewater Treatment</b>	<b>WW01251</b>	
Status: Existing Initial Year: 2018 District 3 Location: 5101 65th Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Rehabilitate one existing belt filter press (BFP) and replace one existing BFP and polymer feed system. Modify and rehabilitate the existing sludge conveyor and truck load-out system (at least two points of load out for second truck position). Replace the electrics, instrumentation and controls on five BFP's to facilitate automatic operation. Install cameras to visually monitor BFP's, conveyors, and truck load out from the Administration Building control room. Replace BFP feed pumps and drives and improve sludge transfer pump piping, replacing pumps as needed. Improvements include SCADA programming for control and monitoring.	
<b>Rationale</b>	
Sludge production is increasing at the Southwest plant. This project will enhance system reliability and shorten down time. Sludge trailers will be able to be filled faster, enhancing dryer/landfill logistics. Replacement will decrease maintenance and improve reliability.	
<b>Funding Strategy</b>	
Debt Proceeds	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/17	09/30/18	0	0	0	433,000	0	0	0	0	433,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/18	12/31/19	0	0	0	0	2,886,000	0	0	0	2,886,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	12/31/19	0	0	0	22,000	288,600	0	0	0	310,600
<b>Totals:</b>			0	0	0	455,000	3,174,600	0	0	0	3,629,600

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Debt Proceeds	3,629,600
<b>Total Funding:</b>	<b>3,629,600</b>



**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southwest Water Reclamation Facility Class V Recharge Well &amp; Aquifer Storage Recovery Well</b>
<b>Wastewater Treatment</b>	<b>6069081</b>	
Status: Existing Initial Year: 2014 District 3 Location: 5101 65th Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Anthony Benitez</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Growth</b>

<b>Scope</b>	<b>Project Map</b>
Construction of a Class V recharge well (+/- 1,200 feet) at the SWWRF to add additional wet weather disposal and to operate in conjunction with the existing Aquifer Storage Recovery (ASR) well at the SWWRF. Includes permitting, design, and construction of recharge well, associated monitoring wells, piping, valves, flow meters, SCADA telemetry and other required appurtenances. To also include necessary replacement piping for ASR well, new piping to accommodate existing infrastructure, valves, meters and SCADA telemetry.	
<b>Rationale</b>	
This well will provide additional wet weather disposal capacity of up to 10 MGD, that will assist in avoiding unauthorized discharges during wet weather season. The well, operating in conjunction with the existing ASR well, will also improve management of the reclaimed water system.	
<b>Funding Strategy</b>	
Debt Proceeds	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/14	12/31/15	602,151	627,000	0	0	0	0	0	0	627,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	01/01/16	06/30/17	1,133,590	6,000,000	0	0	0	0	0	0	6,000,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/14	06/30/17	67,966	0	0	0	0	0	0	0	0
<b>Totals:</b>			<b>1,803,708</b>	<b>6,627,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,627,000</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
All Prior Funding	6,627,000
<b>Total Funding:</b>	<b>6,627,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southwest Water Reclamation Facility Equalization System</b>
<b>Wastewater Treatment</b>	<b>WW01254</b>	<b>Rehabilitation</b>

Status: Existing Initial Year: 2019 District 3 Location: 5101 65th Street West, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Jeff Streitmatter**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Install a permanent cover over the existing flow equalization (FEQ) tank and add jet aeration mixing to keep solids in suspension. Rehabilitate the existing return pump station including replacement of pumps, guide rails, piping and control panels, and reline the wet well if necessary. Structural inspection of the tank shall be performed and necessary repairs made, SCADA programming and appurtenances for ventilation/odor control included. New transformer and Motor Control Center will power existing and new loads.

**Project Map**



**Rationale**

The current FEQ cover has issues keeping the cover clear of vegetation and settling solids. The FEQ receives and stores raw influent during the day and returns it to the plant at night to equalize the incoming flow. The WRF receives odor complaints from the surrounding community and golf course. The installation of a permanent cover and odor control system would greatly reduce the odor. A mixing system is required to keep solids from settling in the tank which makes it easier to pump them back to the plant. The wet well for the pump station was modified for prior construction causing one of the pumps to be blocked from retrieval or repair, also the structure and discharge piping has been in constant use for over 25 years and may need to be upgraded or replaced.

**Funding Strategy**

Debt Proceeds

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/18	07/31/19	0	0	0	0	425,000	0	0	0	425,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	08/01/19	06/30/20	0	0	0	0	0	5,110,000	0	0	5,110,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/17	06/30/20	0	0	0	0	22,000	511,000	0	0	533,000
<b>Totals:</b>			0	0	0	0	447,000	5,621,000	0	0	6,068,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
Debt Proceeds	6,068,000
<b>Total Funding:</b>	<b>6,068,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southwest Water Reclamation Facility New Headworks</b>
<b>Wastewater Treatment</b>	<b>6083381</b>	
Status: Existing Initial Year: 2017 District 3 Location: 5101 65th Street West, Bradenton		
<b>Comprehensive Plan Information</b>		Project Mgr: <b>Jeff Streitmatter</b>
CIE Project: <b>No</b>	LOS/Concurrency: <b>No</b>	Plan Reference:
		Project Need: <b>Maintenance</b>

<b>Scope</b>	<b>Project Map</b>
Demolish old headworks, and construct a new headworks including piping, flow meters, mechanical screens, grit removal, scum screening/pumping, and odor control. Size grit removal system to handle peak grit loads during heavy rain events. Include an influent sampling system to eliminate side stream influences and allow sample collection without fouling the intake. Provide pH and temperature analyzers, and construct new MCC and SCADA panels at remote area from H2S gas. This includes new 5kV feeders for the aeration blowers and intercepting the 5kV feeders at the existing area and extending to the transformers for the anoxic basins.	
<b>Rationale</b>	
The headworks structure is over 25 years old and deteriorating due to concrete corrosion by hydrogen sulfide and water intrusion. The grit system is undersized and becomes clogged during heavy rain. Scum requires screening to remove floatable objects and prevent fouling of jet aeration mixing system in sludge holding tanks. Power for the headworks may be interconnected with electrical equipment at the anoxic basins electrical room.	
<b>Funding Strategy</b>	
Debt Proceeds	

<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	10/01/16	09/30/17	0	0	1,300,000	0	0	0	0	0	1,300,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	10/01/17	12/31/18	0	0	0	8,700,000	0	0	0	0	8,700,000
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	10/01/16	12/31/18	0	0	65,000	870,000	0	0	0	0	935,000
<b>Totals:</b>			0	0	1,365,000	9,570,000	0	0	0	0	10,935,000

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:				
Operating Capital:				
Operating Total:				
No. of Positions:	0	0	0	0

<b>Means of Financing</b>	
Funding Sources	Amount
Debt Proceeds	10,935,000
<b>Total Funding:</b>	<b>10,935,000</b>

**MANATEE COUNTY GOVERNMENT**  
**Fiscal Year 2017 - 2021 Capital Improvement Program**

<b>Wastewater</b>	Project#	<b>Southwest Water Reclamation Facility Process Modifications for Nitrogen Removal</b>
<b>Wastewater Treatment</b>	<b>6079080</b>	

Status: Existing Initial Year: 2011 District 3 Location: 66th Street & 53rd Avenue West, Bradenton

**Comprehensive Plan Information**

Project Mgr: **Anthony Benitez**

CIE Project: **No** LOS/Concurrency: **No** Plan Reference: Project Need: **Maintenance**

**Scope**

Retrofitting primary clarifiers to an anoxic zone and introduction of an internal recirculation pumping system for return of nitrifying bacteria to the anoxic zone and ancillary improvements. Structural modifications, gates, piping, valves, electrical and automation to control the internal recycle return rate.

**Rationale**

The Florida Department of Environmental Protection (FDEP) has expressed concern over the conventional activated sludge process (Ammonia Process) at the Southwest Water Reclamation Facility and based on conversation with the FDEP it is anticipated they will impose nitrogen limits on the facility in the near future. Implementing an Advanced Activated Sludge process (Modified-Ludzak Ettinger or MLE) similar to the other facilities will enhance nitrogen removal and have the side benefit of minimizing the algae food source going to the wet weather storage ponds helping to reduce algae production and improving the reclaimed water quality.

**Funding Strategy**

Debt Proceeds  
Utility Rates

**Project Map**



<b>Schedule of Activities</b>			<b>Programmed Funding</b>								
Activity	From	To	Expended to Date	Prior Year Approp.	FY2017	FY2018	FY2019	FY2020	FY2021	Future	Appropriated to Date
Design:	04/01/10	09/30/13	1,391,506	85,000	0	0	0	0	0	0	85,000
Land:			0	0	0	0	0	0	0	0	0
Construction:	04/01/13	06/30/17	16,074,167	21,685,243	0	0	0	0	0	0	21,685,243
Equipment:			0	0	0	0	0	0	0	0	0
Project Mgt.:	04/01/10	06/30/17	919,653	210,000	0	0	0	0	0	0	210,000
<b>Totals:</b>			<b>18,385,326</b>	<b>21,980,243</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,980,243</b>

**Operating Budget Impacts**

	FY2018	FY2019	FY2020	FY2021
Personal:				
Non-Personal:	150,000	150,000	0	0
Operating Capital:				
Operating Total:	150,000	150,000	0	0
No. of Positions:	0	0	0	0

**Means of Financing**

Funding Sources	Amount
All Prior Funding	21,980,243
<b>Total Funding:</b>	<b>21,980,243</b>

**Manatee County  
General Government  
Projects of Record**

Line Number	Project Name	Project Description	Estimated Project Cost
<b>General Government / Information Technologies</b>			
1	County Web Content Management Software Replacement	Evaluate and purchase new software application to replace current website content management application.	1,000,000
2	Fiber Network Expansion - BACVB-MCDF	Install fiber from BACVB to MCDF.	575,000
3	Fiber Network Expansion - East Loop	Install fiber from SR70 (Braden River Library) to Lorraine Road to SR64 to 1st Street and 6th Avenue.	250,000
4	Fiber Network Expansion - North Loop	Install fiber from US 41 and 61st Street to Ellenton Gillette Road to 69th Street East to Erie Road to Old Tampa Road to Ft. Hamer Road to Upper Manatee River Road, then connect to East Loop.	1,440,000
5	Fiber Network Expansion - Rye/Waterline Road	Install fiber from SR64 to Rye Road to Waterline Road to the water treatment plant.	250,000
6	Fiber Network Expansion - West Loop	Install fiber from County Admin Building to 75th Street to 53rd Avenue to US41 and connect to South Loop.	645,000
<b>General Government / Parks Projects / Property Management</b>			
1	Anna Maria Island Jetty Replacement - South	Replace jetty at the south end of Anna Maria Island.	4,000,000
2	Bennett Park Build Out	Complete build out of park site. Four baseball/softball field, concession stand, restrooms, community center, pool, amphitheater, parking lots, four tennis courts, two basketball courts, stormwater, utilities, lighting, and pickleball.	12,320,000
3	Bennett Park Shade Structures	Install shade structure for existing playground.	30,000
4	Blackstone Concession/Restroom - Soccer Fields	Construct concession/ADA restroom facility.	400,000
5	Blackstone Park Dugout Replacements	Six dugout replacements.	100,000
6	Blackstone Park Softball Concession Stand & Restroom	Replacement softball concession stand and restrooms.	309,500
7	Blackstone Skatepark Equipment Replacement & Upgrade	Remove, replace and upgrade existing skatepark equipment.	273,000
8	Boat Ramp - New - Undetermined Location	Construct boat ramp at undetermined location. Includes restroom, fish cleaning stations, lighting and parking lot.	1,600,000
9	Braden River Park Ball Field #6	Complete renovation of outfield to include soil, grading, rolling and sodding to combat sinkholes.	250,000
10	Braden River Park Dog Park	Construct pavilion, fencing and water line to the identified area for the dog park. Provide benches and picnic tables.	300,000
11	Braden River Park Erosion	Install retaining walls and drainage to eliminate erosion and wash out concerns.	250,000
12	Braden River Park Restroom	Construct ADA compliant restrooms near soccer fields.	245,000
13	Buffalo Creek Park Paved Parking Lot	Pave existing shell parking lot.	110,000

**Manatee County  
General Government  
Projects of Record**

<b>Line Number</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Estimated Project Cost</b>
14	Buffalo Creek Park Soccer Restrooms	Construct ADA compliant restrooms near soccer fields.	245,000
15	Coquina Beach Pavilion/Tiki Hut	Construct pavilion/tiki hut at south end of Coquina Beach.	350,000
16	Coquina Beach Restrooms	Replace bathrooms at Coquina Beach (6).	250,000
17	Cortez Beach Restroom	Construct ADA and FEMA compliant restroom.	250,000
18	Country Club East Park Dog Park w/Pavilion	Construct fenced in dog park. Includes large and small dog areas, pavilions, picnic tables, benches, water fountains, signage sidewalks, seating, and trees.	360,000
19	County Beach Restrooms	Construct multi-stall restrooms, one each at Manatee Beach and Coquina Beach.	500,000
20	Crosley - Boat Basin	Improvements to include walkways, lighting, seating, ornamental fencing, cosmetic repairs and ADA required improvements.	1,200,000
21	Devil's Elbow - Canoe/Kayak Launch And Picnic Shelter	Construct pavilion, canoe/kayak launch, trails, restroom and signage.	300,000
22	Duette Preserve Group Campground at Pedrick Property	Construct scout/church campground at Duette Preserve. Includes primitive camp sites, picnic pavilion, grills, fire rings, gathering areas, and a cable suspension bridge over the Manatee River.	250,000
23	Duette Preserve RV Park	Construction of RV park with electric and water hookups, and septic pump out.	250,000
24	East Bradenton Park Restrooms	Replace park restroom facility to include community indoor activity area.	300,000
25	Emerson Point Preserve Boardwalk	Reconstruct boardwalk decking.	500,000
26	Greenbrook Park Dog Park w/Pavilion	Construct fenced in dog park. Includes large and small dog areas, pavilions, picnic tables, benches, water fountains, signage sidewalks, seating, and trees.	360,000
27	GT Bray ADA Playground	Replace existing playground with fully accessible, ADA compliant playground.	450,000
28	GT Bray Backstop Replacement	Replacement backstops for softball fields (4) and baseball fields (4).	360,000
29	GT Bray Baseball Concession	Demolish and remove existing building and construct ADA and fire code compliant concession building.	400,000
30	GT Bray Baseball Concession Building	Demolish and remove existing baseball/big concession building and construct ADA and fire code compliant building.	400,000
31	GT Bray Baseball Fields Lighting	Upgrade existing baseball field lighting.	700,000
32	GT Bray Basketball Court to Pickleball	Relocate basketball court to open space areas resurfacing to pickleball0	100,000
33	GT Bray Bronco Football Building	Reconstruct Bronco football building0	400,000
34	GT Bray Clay Tennis Courts	Construct four additional clay tennis courts. Includes irrigation, fencing and lighting.	270,000
35	GT Bray Ditch Piping	Install ditch piping between tennis courts and soccer fields to eliminate concrete swales outside of tennis courts.	250,000



**Manatee County  
General Government  
Projects of Record**

<b>Line Number</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Estimated Project Cost</b>
36	GT Bray Dog Park	Enlarge existing fenced dog park, includes large and small dog areas, pavillions, picnic tables, benches, water fountains, signage, sidewalks, seating, and trees.	300,000
37	GT Bray Dugout Replacements	Dugout replacements for softball fields (8) and baseball complex (8).	320,000
38	GT Bray Habitat Oasis	Convert unutilized area in GT Bray Park to include trails, learning stations, observation deck and ecological enhancements.	225,000
39	GT Bray LED Lighting	Lighting (LED) for one football field, two north soccer fields, two softball fields and skatepark area lighting.	1,770,000
40	GT Bray Parking Lot	Install solar powered parking lot and street lighting.	350,000
41	GT Bray Pavilion	Construct pavilion. Includes slab, prefabricated kit, paint and roofing.	100,000
42	GT Bray Skatepark Equipment Replacement & Upgrade	Remove, replace and upgrade existing skatepark equipment.	273,000
43	GT Bray Soccer Building	Bray soccer building replacement.	400,000
44	GT Bray Softball Concession	Demolish and remove existing building and construct ADA and fire code compliant concession building.	400,000
45	GT Bray T-Ball Fields Irrigation	Install irrigation and new sod.	75,000
46	GT Bray Tennis Courts	Remove and replace tennis courts.	225,000
47	Jiggs Landing Expansion	Acquire additional property north of Jiggs Landing. Includes construction of nature trail, camping facility, rental cabins, dockage, and ecological enhancements.	575,000
48	John H. Marble Facility Retrofit	Facility retrofit Phase II - picnic shelters, deck expansion.	500,000
49	John H. Marble Parking Lot	Repave parking lot.	150,000
50	John H. Marble Pavilion & Restroom	Replace pavilion with a new pavilion with restroom.	250,000
51	Kingfish Boat Ramp Restrooms	Construct new restrooms and upgrades.	200,000
52	Kinnan Park Phase I	Amenities to include wetland enhancement, perimeter trail and boardwalk, parking, trails and pavilions.	500,000
53	Lakewood Ranch Handball Court to Pickleball	Remove handball courts and replace with pickle ball.	300,000
54	Lakewood Ranch Park Dog Park w/Pavilion	Construct fenced in dog park. Includes large and small dog areas, pavilions, picnic tables, benches, water fountains, signage sidewalks, seating, and trees.	360,000
55	Lakewood Ranch Park Parking Lot	Reconstruct current parking lots.	250,000
56	Lakewood Ranch Park Restroom	Construct ADA restrooms near soccer fields.	250,000
57	Lakewood Ranch Shaded Playground	Destination shaded playground structure.	937,500
58	Lakewood Ranch Tennis Court Lighting	Upgrade tennis court lighting to LED.	250,000
59	Lakewood Ranch Tennis Courts	Remove and replace tennis courts.	225,000
60	Larry Borden Artificial Reef	Transport and placement of artificial reef materials.	300,000
61	Leffis Key Boardwalk	Reconstruct boardwalk decking and associated superstructure.	500,000
62	Lincoln Park Splash Park Expansion	Install additional splash park features.	300,000

**Manatee County  
General Government  
Projects of Record**

<b>Line Number</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Estimated Project Cost</b>
63	Marble Gymnasium Replacement	Replace gymnasium and renovate community center.	2,580,000
64	Marble Pool Renovation & Upgrade - Phase II	Construct splash pad, bathing area, deck, shade structures, pavilions and expand restrooms and office.	1,100,000
65	Myakka Park Restroom	Replace restroom and drinking water supply well.	200,000
66	Perico Preserve Trailhead	Construct restroom, water fountain, kiosk, bike racks, signage and fencing at the trail head.	400,000
67	Pride Park Trail Expansion	Installation of 500 linear feet of concrete trail.	60,000
68	Robinson Preserve Boardwalk	Reconstruct boardwalk decking.	500,000
69	Robinson Preserve Playgrounds & Tree Canopy	Construct three age specific playgrounds & tree canopy walk.	900,000
70	Sand/Clay Storage Bins	Construct concrete block storage bins for sand and clay at parks with athletic fields.	210,000
71	SR 64 Boat Ramp Restroom	Construct ADA compliant restrooms.	125,000
72	Ungarelli Preserve Recreational Improvements	Construct boardwalk and trail system. Includes kayak launch, parking areas, signage and a pavilion.	500,000
73	Washington Park Phase I	Site restoration, including dewatering, transportation and placement of dredged material from Port Manatee for filling of approximately 50 - 60 acres of marsh land.	250,000
74	Washington Park Phase II	Parking lot, restroom, pavilion, playground, walk trail and observation decks.	615,000
	<b>General Government / Property Management</b>		
1	Admin Building Parking Garage Addition	Eight floor expansion of the existing Administration Building parking garage.	4,000,000
2	Adult Care Facility	Construct facility to include commercial kitchen, dining area, therapy rooms, offices, conference areas, multi-purpose rooms, group exercise rooms, living spaces, parking, lighting, utilities and stormwater facilities.	2,100,000
3	Animal Adoption Center	Construct animal adoption facility to include holding areas, offices, care areas, ventilation, storage, cages, public areas, parking, lighting and stormwater.	1,500,000
4	Braden River Library Expansion	Construct addition to Braden River Library. Includes study/tutor rooms, business center/lab, additional shelving, and fencing.	500,000
5	Bradenton Area Convention Center - Land Improvements/Acquisition	Purchase adjacent property for development of hotel/retail space. Includes parking lot and stormwater system.	4,000,000
6	Central County Warehouse	Construct warehouse for general centralized storage. Includes offices and restrooms.	3,000,000
7	Chilled Water Pipe Connection Across Manatee Avenue	Extend chilled water connection from Admin Center parking garage under Manatee Avenue to the Judicial Center.	970,000

**Manatee County  
General Government  
Projects of Record**

<b>Line Number</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Estimated Project Cost</b>
8	Chilled Water Pipe Extension - Manatee Avenue West	Install chilled water pipe connection from plant loop to Central Library Annex, Historic Library, and Old City Hall properties.	980,000
9	Chilled Water Pipe Riser Upgrade	Upgrade current Judicial Center riser to provide chilled water services for future customers.	143,000
10	Convention Center Generator	Replace existing generator with larger generator.	500,000
11	County Records Storage Building	Purchase or lease existing facility for county records retention. Includes making facility ADA compliant.	500,000
12	Data Center Build Out - Public Safety Facility	Build out remaining space at the Public Safety Center for the IT data center.	2,450,000
13	East County Library	New east county library and community center.	1,200,000
14	First Union Building Demolition	Demolition of First Union Building. Includes abatement, utilities disconnection and salvage.	500,000
15	Health Department Generator	Replace existing generator that could power entire facility.	350,000
16	Library & Government Annex - East County	Construct two story building, including offices, restrooms, common areas, stormwater, utilities, parking lot and lighting. Does not include land purchase.	13,035,000
17	MCDF Fan Coil Unit Replacements	Replace 170 mounted ceiling fan coil units that have exceeded expected equipment life.	600,000
18	Merrill Lynch Building Renovation	Renovate to accommodate Employee Health Benefits, including a meeting room, fitness center, health clinic and connection to the Central Energy Plant.	4,120,192
19	Renovate Existing Animal Shelter	Renovate current Animal Control building.	1,000,000
20	Rocky Bluff Library Expansion	Expand library to include children's storyroom and Friends bookstore with outside entrance and replace HVAC.	500,000
21	Safety Upgrades at Old Jail Facility	Upgrade items to make old jail facility to code.	3,000,000
22	Storage Shed Replacement - 26th Avenue East (Public Works)	Replace equipment storage shed at Public Works facility.	1,187,000
23	Tax Collector Harden Computer Room	Construct 20' x 25' hardened room attached to current building for storm and fire protection for data center.	250,000
<b>General Government / Public Safety</b>			
1	Computer Aided Dispatch (CAD) Disaster Recovery System	Disaster recovery system for Public Safety Center.	584,250
2	Computer Aided Dispatch (CAD) Software & Hardware Upgrade	Upgrade current system. Includes software and hardware.	1,500,000
3	EMS Bariatric/Training Unit	Ambulance with bariatric capability, and training equipment.	532,000
4	Public Safety Communication System Upgrades	Replace, upgrade and install new technology at Public Safety Center.	1,250,000
5	EOC Video System	Upgrade EOC video display, current system is analog and service providers are all moving to digital.	580,000
6	Marine Rescue Lifeguard Towers	Replace lifeguard towers.	1,000,000

**Manatee County  
General Government  
Projects of Record**

<b>Line Number</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Estimated Project Cost</b>
7	Next Gen 911	Provide Emergency Service Network that connects to all PSAP's.	3,895,000
<b>General Government / Sheriff's Office</b>			
1	MSO Fleet Services Facility	Upgrade existing MSO fleet services facility to be specified by MSO.	7,216,250
2	MSO Helicopter Replacement	Replacement of current helicopter as specified by MSO.	4,000,000
3	MSO Jail Renovations & Improvements	Construct three story facility designed to house medical type inmates and juveniles. Renovations and improvements to include a medical wing, 2nd floor addition to medical center and other items to be determined.	16,063,200
4	MSO New Evidence Building	Construct three story facility adjacent to county bus terminal at MSO Operations Center. Includes freight elevator, and vehicle storage on first floor, and should have the ability for additional floors to be added in the future.	6,780,000
5	MSO New Location - District 1	20,000 sf addition to DeSoto Center.	3,296,250
6	MSO New Location - District 2	Demolish and rebuild 20,000 sf building.	3,296,250
7	MSO New Location - District 4	Construct 20,000 sf office location.	4,036,500

## Manatee County Transportation Projects of Record

Line Number	Project Name	Project Description	Estimated Project Cost
1	117th Street East Gatewood Drive to SR 64	Widen from 2 lanes to 4 lanes.	4,225,894
2	11th Ave E from 69th St Ct E to 72nd St Ct E	Road drainage and add sidewalk on one side.	156,000
3	14th Street West - 26th Avenue West to 39th Avenue West	Construct pedestrian crossings.	130,000
4	15 ST E @ US 301	Add southbound right turn lane.	327,000
5	15th Street East - 38th Avenue East	Construct signal and turn lane improvements.	385,418
6	15th Street East (301 Blvd) - Tallevast Rd to 1st St (US 41)	Construct 3 lane roadway with bike lanes and sidewalks.	63,000,000
7	18th St E from 2nd Ave E to US 41	Road drainage and add sidewalk on one side.	111,000
8	18th Street West - Cortez Road to 38th Avenue	Construct sidewalk on east side.	36,900
9	19th St W & E from 2nd Ave W to US 41	Road drainage and add sidewalk on one side.	209,000
10	1st Ave E from 17th St E to North DE	Road drainage and add sidewalk on one side.	547,000
11	1st Ave W from 63rd St NW to 59th St W	Add sidewalks on both sides.	175,000
12	20th St W & E from 2nd Ave W to US 41	Road drainage and add sidewalk on one side.	198,000
13	21st St W & E from 4th Ave W to US 41	Road drainage and add sidewalk on one side.	319,000
14	22nd St E from 1st Ave E to US 41	Road drainage and add sidewalk on one side.	123,000
15	22nd St W from Dead End to 2nd Ave W	Road drainage and add sidewalk on one side.	100,000
16	24th Avenue - US 301 to 29th Street	Construct a new 2 lane road.	12,182,882
17	25th St W & E from Bayshore Rd to 2nd Ave E	Add sidewalk on one side.	95,000
18	26th Ave E @ 27th St E	Upgrade to mast-arm supports and add separate northbound and southbound lefts.	1,756,000
19	26th Avenue East - 15th Street East to 45th Street East	Widen roadway to 24' and resurface over entire width. Construct closed drainage and re-grade to provide 8' shoulders.	3,500,000
20	26th St W @ 30th Ave W	Upgrade to mast-arm supports and add westbound left and right turn lanes.	1,103,000
21	26th St W @ 57th Ave W	Upgrade to mast-arm supports and add turn lane(s).	1,599,000
22	26th St W @ Bayshore Gardens Pkwy	Add turn lane(s).	654,000
23	26th St W from Cortez Rd to 21st Ave W	Add sidewalks on both sides.	528,000
24	26th Street West - 9th Avenue West	Extend left turn lanes and add right turn lanes.	1,242,246
25	27th Street East - 26th Avenue East to 38th Avenue East	Upgrade to mast arm support, construct left-turn and right-turn lane additions on northbound/southbound approaches, and right-turn lane additions on westbound/eastbound approaches.	30,800,000
26	27th Street East - 30th Avenue East	Construct left-turn lane addition on northbound approach and right-turn lane addition on eastbound/southbound approaches.	703,410
27	27th Street East - 9th Avenue East	Construct separate left-turn lane on all approaches.	523,617
28	2nd Ave E from 17th St E to 25th St E	Road drainage and add sidewalk on one side.	418,000
29	2nd Ave W from 17th st E to Dead End	Add sidewalk on one side.	259,000

## Manatee County Transportation Projects of Record

Line Number	Project Name	Project Description	Estimated Project Cost
30	2nd Avenue West from 17th Street East to End road	Road drainage and sidewalk.	345,000
31	301 Blvd from Tallevast Road to University Pkwy	Add sidewalk on west side. Complete sidewalk gaps on east side.	643,000
32	30th Ave E from 9th St E to 15th St E	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	5,189,000
33	30th Street East from 49th Ct. East to 8th Avenue East	Road drainage and sidewalk.	230,000
34	31st Street East from 9th Avenue Dr. East to 33rd Street East	Road drainage and sidewalk.	173,000
35	35th St W from 9th Ave W to 13th Ave W	Add sidewalk on one side.	103,000
36	36th St E (Prospect Rd) from Whitfield Ave to 70th Ave E (just South to existing sidewalk)	Road drainage and add sidewalk on one side.	171,000
37	36th St E (Prospect Rd) from Whitfield Ave to Cottages @ Blu Vista, North of 72nd Ave E	Road drainage and add sidewalk on one side.	168,000
38	37th St E from 38th Ave E to SR 70	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	12,971,000
39	39th Ave W from 63rd St W to 59th St W	Add sidewalk on one side.	103,000
40	3rd Ave E from 17th St E to 22nd St E	Road drainage and add sidewalk on one side.	259,000
41	3rd Ave W from 17th St E to 22nd St W	Road drainage and add sidewalk on one side.	235,000
42	42nd Ave W from 63rd St W to 59th St W	Add sidewalk on one side.	103,000
43	43rd Ave w from Cape Vista Dr to 51st St W	Add sidewalk on one side.	103,000
44	43rd St W @ 9th Ave W	Upgrade to mast-arm supports and add right turn lanes.	1,429,000
45	43rd St W from 36th Ave W to 9th Ave W	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	15,876,000
46	43rd St W from Cortez Rd to 53rd Ave W	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	11,207,000
47	44th Ave E from West of Mill Creek to Lorraine Road	Build new four lane road with standard travel lanes, bike lanes, sidewalks, and lighting.	7,564,000
48	45th St E from 44th Ave E to 26th Ave E	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	10,377,000
49	45th St E from 4th Ave E to End of Street	Road drainage and add sidewalk on one side.	173,000
50	49th Avenue East - Mendoza Road to Ellenton Gillette Road	Construct 2 lane roadway with 5' sidewalk, curb and gutter.	13,420,206
51	49th Avenue East - US 301 to Mendoza	Widen from 2 lanes to 4 lanes.	6,955,116
52	4th Ave E from 45th St E to 49th St e	Road drainage and add sidewalk on one side.	200,000
53	51st Ave E from US 301 to 33rd St E	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	5,500,000



## Manatee County Transportation Projects of Record

Line Number	Project Name	Project Description	Estimated Project Cost
54	51st St W from 21st Ave W to Cortez Road	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	13,386,000
55	51st St W from 32nd Ave Dr W to 26th Ave W	Add sidewalk on one side.	163,000
56	51st St W from 47th Ave W to Cortez Rd	Add sidewalk on one side.	143,000
57	51st St W from Cortez Road to 53rd Ave W	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	10,481,000
58	51st Street West - 53rd Avenue West	Construct southbound left turn lane.	543,300
59	53 AV W from 26 ST W to 30 ST W	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	3,743,000
60	53 AV W from US 41 to 26 ST W	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	10,797,000
61	53rd Ave W from 25th St W to US 41	Add sidewalk on one side.	282,000
62	53rd Avenue West - 20th Street West	Upgrade to mast arm support and construct right-turn lane on westbound approach.	533,996
63	53rd Avenue West - 26th Street West	Upgrade to mast arm support, and construct right-turn lane at all approaches.	1,323,066
64	53rd Avenue West - 30th Street West	Upgrade to mast arm support, construct right-turn lane on westbound approach, and left turn lane on eastbound approach.	669,412
65	54th Ct E from 74th Pl E to Woodlawn Cir W	Add sidewalk on one side.	63,000
66	55th Ave W from 26th St W to US 41	Road drainage and add sidewalk on one side.	556,000
67	55th St E from existing sidewalk to 65th Ter E	Add sidewalks on both sides.	144,000
68	59th St W from 33rd Ave Dr W to Cortez Road	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	7,783,000
69	59th St W from Manatee Ave W to 6th Ave NW	Add sidewalks on both sides.	393,000
70	59th St W from Sun Chase Apt to Cortez	Add sidewalk on one side.	99,000
71	59th Street W from Riverview Blvd to Manatee Ave W	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	10,169,000
72	5th Ave NW from 71st St NW to 75th St NW	Add sidewalk on one side.	103,000
73	60th Avenue East - US 301 to 69th Street East	Construct new 4 lane road.	23,000,000
74	61st Ave E from 1st St E to 5th St E	Add sidewalk on south side.	120,000
75	61st St E from Bayshore Rd to 16th Ave E	Road drainage and add sidewalk on one side.	412,000
76	63rd Ave E @ 9th St E	Add turn lane(s).	980,000
77	65th Ter E from 49th Ct E to Dead end	Add sidewalk on one side.	113,000
78	66th St Ct E / 64th St Ct E @ SR 64	Add northbound left and right turn lanes.	750,000
79	67th St W from Manatee Ave W to 5th Ave NW	Add sidewalks on both sides.	178,000

## Manatee County Transportation Projects of Record

Line Number	Project Name	Project Description	Estimated Project Cost
80	69th St Ct E from Bayshore Rd to End of Street	Add sidewalk on one side.	40,000
81	69th St E from Ellenton Gillette to I-75	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	8,405,000
82	69th St E from US 41 to Ellenton Gillette	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	9,754,000
83	69th Street / Erie Road - US 41 to US 301	Widen from 2 lanes to 4 lanes.	54,584,453
84	71st St E from Bayshore Rd to End of Street	Road drainage and add sidewalk on one side.	136,000
85	72nd St Ct E from Bayshore Rd to End of Street	Road drainage and add sidewalk on one side.	316,000
86	72nd St Ct E from Bayshore Rd to US 41	Road drainage and sidewalk.	518,000
87	72nd St E from Bayshore Rd to End of Street	Road drainage and add sidewalk on one side.	295,000
88	75th St W from Cortez Road to 53rd Ave W	Add sidewalks to both sides of the road.	416,000
89	7th Ave NW from 75th St NW to 71st St NW	Add sidewalks on both sides.	85,000
90	80th Ave Cir E from 55th St E to 55th st e	Add sidewalk on one side.	112,000
91	83rd St NW from existing s/w 1400 block to 17th Ave NW	Add sidewalk on one side.	53,000
92	8th Avenue East from 33rd Street East to 9th Avenue Dr East	Road drainage and sidewalk.	173,000
93	9th Ave NW from 71st St NW to 83rd St NW	Add sidewalk on one side.	312,000
94	9th Avenue West - 51st Street West Intersection	Install traffic signal.	250,000
95	9th St E @ 30th Ave E	Upgrade to mast-arm supports and add turn lane(s).	1,429,000
96	9th St W @ 30th Ave W	Add right turn lanes on all approaches.	654,000
97	9th Street East - 37th Avenue East Intersection	Install traffic signal.	328,358
98	9th Street East - US 301	Construct new sidewalk.	-
99	9th Street East at US 301 Railroad Improvements	Construct railroad crossing replacement surface over two sets of railroad tracks.	1,100,000
100	9th Street West - Cortez Road to 301 Boulevard	Construct sidewalk on east side.	102,200
101	Advanced Traffic Management System Countywide	Countywide construction of ATMS infrastructure.	500,000/yr
102	Bayshore Rd from 72nd St Ct E to US 41	Road drainage and add sidewalk on one side.	932,000
103	Baywalk Trail from USF/Crosley	Construct trail from USF to Crosley.	150,000
104	Bicycle System Improvements Countywide	Placing of bike racks and route signs throughout the county where needed.	100,000/year
105	Bourneside Road - University Parkway to SR 70	Widen from 2 lanes to 4 lanes.	19,368,676
106	Buckeye Road - US 41 to US 301	Widen from 2 lanes to 4 lanes.	33,543,026
107	Canal Road - Mendoza Road Intersection	Install traffic signal; align east and west approaches to intersection.	1,000,000
108	Canal Road - US 301 to Palm View Road	Widen from 2 lanes to 4 lanes.	27,292,226

## Manatee County Transportation Projects of Record

Line Number	Project Name	Project Description	Estimated Project Cost
109	Canal Road at CSX Crossing - US301/17th Street East	Construct railroad crossing replacement surface over two sets of railroad tracks.	110,000
110	Cape Vista Dr from 39th Ave W to 36th Ave Dr W	Add sidewalk on one side.	22,000
111	Cape Vista Dr from Cortez Rd to 38th Ave W	Add sidewalk on one side.	149,000
112	Carter Road - Erie Road to Buckeye Road	Widen from 2 lanes to 4 lanes.	16,023,178
113	Case Ave from Cornell Rd to Tulane Rd	Add sidewalk on one side.	18,000
114	Clay Gulley Road Repaving	Repave 2 lane road - 10 miles.	2,320,000
115	Columbia Dr from Florida Blvd to Bayshore Gardens Pkwy	Add sidewalk on one side.	249,000
116	Cornell Rd from Bayshore Gardens Pkwy to Case Ave	Add sidewalks on both sides.	102,000
117	CR 675 - US 301 to Rye Road	Widen from 2 lanes to 4 lanes.	35,215,776
118	Dartmouth Dr from Harvard Ave to Bayshore Gardens Pkwy	Add sidewalk on one side.	158,000
119	DeSoto and Green Bridge Dynamic Message Signs	Provide electronic signs on bridges to provide traffic and emergency information.	990,000
120	Duette Road Over Manatee River Bridge Replacement	Replace 35 foot bridge originally built in 1960.	955,000
121	Ellenton Gillette Road - US 301 to Moccasin Wallow Road	Construct 4 lane roadway with 5' sidewalk, curb and gutter.	49,709,130
122	Ellenton Gillette Road - US301 - Moccasin Wallow Road	Functional improvements to include widening of roadway, piping, and shoulder enhancement.	4,400,000
123	Ellenton Gillette Road @ Mendoza Road	Install signal and add turn lanes (partial funding in CIP).	484,000
124	Erie Road - 69th Street East - US301 - East/West Phase	Functional improvements to include widening of roadway, piping, and shoulder enhancement.	2,000,000
125	Erie Road @ US 301 Parrish	Align east and west approaches.	2,177,000
126	Experimental Farm Road Bridge Replacement (134005)	Replace aging steel structure.	1,000,000
127	Florida Boulevard Sidewalks	Add sidewalks (West of 26th Street West).	87,600
128	Fort Hamer Road - US 301 to Buckeye Road	Construct 4 lane roadway with 5' sidewalk, curb and gutter.	65,602,026
129	Fort Hamer Road - US 301 to Moccasin Wallow Road	Construct 4 lane roadway with pedestrian and bicycle lanes.	23,976,130
130	Georgia Ave from Bayshore Garden Pkwy to Bay Dr	Add sidewalk on one side.	590,000
131	Golf Course Road - Fort Hamer Road to CR 675	Widen from 2 lanes to 4 lanes.	30,901,843
132	Greenbrook Blvd from Lorraine Rd to Royal Turn Cir	Add sidewalk on north side.	115,000
133	Hamilton Way from Roosevelt Rd to Manatee Ave	Road drainage and add sidewalk on one side.	94,000
134	Harrison Ranch Blvd - US 301 to Erie Road	Widen from 2 lanes to 4 lanes.	16,727,493
135	Harvard Ave from Columbia Dr to Roslyn Ave	Add sidewalk on one side.	207,000
136	Honore Ave from 83 Ave E to Cooper Creek Blvd	Add two lanes to existing two lane roadway.	4,277,000
137	Honore Avenue @ Cooper Creek Blvd	Install traffic signal.	966,000
138	Idlewild Ct from 12th St E to 15th St E	Road drainage and add sidewalks on both sides.	371,000

## Manatee County Transportation Projects of Record

Line Number	Project Name	Project Description	Estimated Project Cost
139	Lakewood Ranch Blvd - Rangeland Parkway to SR 64	Widen from 4 lanes to 6 lanes.	33,933,230
140	Lakewood Ranch Boulevard Rebase	Rebase Lakewood Ranch Boulevard between SR64 and SR70.	1,220,000
141	Lena Road - SR 64 to SR 70	Complete north-south connection.	45,678,660
142	Lockwood Ridge Rd @ Whitfield Ext	Add turn lane(s).	1,307,000
143	Lorraine Rd @ 44th Ave E	Install traffic signal and add turn lanes.	1,697,000
144	Lorraine Rd @ Rangeland Pkwy	Install traffic signal and add turn lanes.	1,697,000
145	Lorraine Road - SR70 to SR 64	Construct 4 lane roadway with 5' sidewalk, curb and gutter.	40,304,700
146	Mendoza Road - US 19 to Victory Road	Widen from 2 lanes to 4 lanes.	39,265,590
147	Moccasin Wallow Road - US 41 to US 301	Widen from 4 lanes to 6 lanes.	70,030,319
148	Moccasin Wallow Road Ext. - US 301 to SR 62	Construct two lane road.	7,923,549
149	Morgan Johnson / Caruso Road - SR 70 to SR 64	Widen roadway to 24' and resurface over entire width. Construct closed drainage and re-grade to provide 8' shoulders.	7,200,000
150	Mulholland Road - Fort Hamer Road to CR 675	Widen from 2 lanes to 4 lanes.	30,197,528
151	Old Tampa Road from 89th Ave E to Chin Road	Add sidewalks to both sides of the road.	811,000
152	Palma Sola from 34th Ave W to 27th Ave W	Add sidewalk on one side.	522,000
153	Palmetto Fishing Pier (Green Bridge)	Rehab and renovate the Palmetto Fishing Pier (Green Bridge).	1,500,000
154	Piney Point Road Ext. (Port Connector) - US 41 to I-75	Construct four lane limited access roadway.	57,865,692
155	Red Rooster Rd from US 301 to Major Turner Run	Road drainage and add sidewalk on one side.	350,000
156	Roslyn Ave from Dartmouth Dr to Bayshore Gardens Pkwy	Add sidewalk on one side.	153,000
157	Rubonia Drainage/Sidewalks.Lighting	Improvements to drainage, sidewalks and lighting.	2,500,000
158	Rye Road - SR 64 to SR 62	Widen from 2 lanes to 4 lanes.	68,937,876
159	Sawgrass Road - Erie Road to Il Road	Widen from 2 lanes to 4 lanes.	26,816,877
160	School Drive from Lakewood Ranch Blvd to Mustang Alley	Add sidewalk on one side.	161,000
161	Sidewalk Improvements Countywide	Sidewalk improvements as needed - countywide.	300,000/year
162	Silverleaf Ave from US 301 to Ft Hamer Rd	Road drainage and add sidewalks on both sides.	265,000
163	Spencer Parrish Road - Golf Course Road to US 301	Widen from 2 lanes to 4 lanes.	19,762,636
164	SR 64 - 27th Street East to Carlton Arms	Construct sidewalks.	144,578
165	SR 64 - Lakewood Ranch Boulevard to Lorraine Road	Widen from 4 lanes to 6 lanes.	19,898,702
166	SR 70 - 30th St East intersection	Construct northbound & southbound dual left turn lanes and separate right turn lane.	575,000
167	SR 70 - 33rd St E	Traffic signal upgrades.	400,000
168	SR 70 - at Fairway Gardens	Traffic calming (speed reduction) improvement for safety at this non signalized intersection.	414,279
169	SR 70 - at Lockwood Ridge Rd (45th St E)	Construct separate northbound right lane.	217,400
170	SR 70 - Caruso Road	Traffic signal upgrades.	400,000

## Manatee County Transportation Projects of Record

Line Number	Project Name	Project Description	Estimated Project Cost
171	SR 70 - Lorraine Road to Dam Road	Widen from 2 lanes to 4 lanes.	24,207,994
172	Stanford Ave from 26th St W to Columbia Dr	Add sidewalk on one side.	72,000
173	Tallevast Road - US 41 to 301 Boulevard	Widen from 2 lanes to 4 lanes.	12,766,852
174	Tallevast Road @ Tuttle	Add separate northbound and southbound right turn lanes.	1,307,000
175	Tara Boulevard Bridge - Honore Ave to Linger Lodge Rd	Construct 2 lane bridge.	6,349,745
176	Transit Capital Improvements Countywide	Transit capital improvements as needed - countywide.	250,000/year
177	Tulane Ave from Georgia Ave to 26th St W	Add sidewalk on one side.	88,000
178	University - Market Street intersection	Add turn lanes and upgrade signal.	3,500,000
179	University / I-75 Area - Sidewalk, Bike Lanes, Multi-Use Trails	Bike-pedestrian connectivity.	333,635
180	Upper Manatee River Rd from Ft Hamer Bridge to Rye Rd	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	8,050,000
181	US 301 - 41st Avenue East to 51st Avenue East	Construct sidewalk.	460,000
182	US 301 - 51st Avenue East to 60th Avenue East	Construct sidewalk.	460,000
183	US 301 - 60th Avenue to Moccasin Wallow Road	Widen from 4 lanes to 6 lanes.	68,850,033
184	US 301 - Canal Road Intersection	Construct intersection.	300,000
185	US 301 - Haben Boulevard Intersection	Construct intersection.	703,410
186	US 301 - Moccasin Wallow Road North to County Line	Widen from 2 lanes to 4 lanes.	33,779,559
187	US 301 - University Parkway to 1st St	Widen from 4 lanes to 6 lanes.	74,751,464
188	US 41 - 49th Avenue West	Upgrade to mast arm support, construct right-turn lane all approaches, and left-turn lane on westbound approach.	1,389,691
189	US 41 - Bayshore Gardens Parkway	Construct traffic separator on south leg of intersection.	326,000
190	US 41 - Edwards Drive to Braden Avenue	Construct pedestrian crossings.	130,000
191	US 41 - Florida Boulevard	Upgrade to mast arm support, and construct right-turn lane on all approaches.	87,600
192	US 41 - Moccasin Wallow Rd	Construct westbound left and right turn lanes.	460,000
193	US 41 - Orlando Avenue	Upgrade to mast arm support, and construct right turn lane on all approaches.	917,992
194	US 41 - US 301 to 69th Street	Widen from 4 lanes to 6 lanes.	45,244,397
195	US 41 Transit Improvements	Service expansion in US 41 corridor.	1,510,000
196	Victory Rd from Mendoza to US 301	Upgrade road to current standards for travel lanes, sidewalks, bike lanes (or trail), and lighting.	8,094,000
197	Waterline Rd from Rye Rd to Dam Rd	Add sidewalk on one side.	1,028,000
198	White Eagle Blvd @ 44th Ave E	Install traffic signal.	966,000
199	White Eagle Blvd @ Malachite Rd	Install traffic signal.	966,000

**Manatee County  
Transportation  
Projects of Record**

Line Number	Project Name	Project Description	Estimated Project Cost
200	Whitfield Avenue - 15th Street East to Lockwood Ridge Road	Widen from 2 lanes to 4 lanes.	22,802,214
201	Willow Ellenton Greenway	Construct multi-use trail (Regional).	2,700,000
202	Wilmerling Ave (65th Ave E) from 5th St E to End of road	Add sidewalks on both sides.	153,000
203	Woodlawn Cir S from Erie Rd to end of 79th Ave E	Add sidewalks on both sides.	361,000



**Manatee County  
Utilities  
Projects of Record**

<b>Line Number</b>	<b>Project Name</b>	<b>Project Description</b>	<b>Estimated Project Cost</b>
	<b>Utilities / Potable Water</b>		
1	El Conquistador/34th St/53rd Ave 12" Water Line	Install water line on El Conquistador Parkway between the 5900 and 7400 blocks.	1,300,000
2	Tara Blvd Ext 12" Water Main Braden River	Connection of water line to Tara Boulevard Bridge, when constructed.	1,000,000
3	Buffalo Creek Wells/Brackish Reverse Osmosis Treatment	Construct water treatment plant to the R/O water treatment plant site.	36,000,000
4	Utilities Administration Building	Construct new administration building for Utilities.	10,000,000
	<b>Utilities / Stormwater</b>		
1	Stormwater Administration Operations Building	Construct new administration building for Stormwater Operations.	1,600,000
	<b>Utilities / Wastewater</b>		
1	MARS SEWRF 10 MG SGT - Tank 2	Construct 10 MG reclaimed water ground storage tank.	9,000,000
2	North Regional Water Reclamation Facility Expansion	Expand NWRF treatment processes.	20,000,000
3	Southeast Water Reclamation Facility Expansion	Expand SEWRF treatment processes.	20,000,000
4	Southwest Water Reclamation Facility Expansion	Expand SWWRF treatment processes.	20,000,000



**Manatee County**  
**Summary of Maintenance Projects**  
**Programmed for FY17 - FY21**

Line Number	Account Number	Project Description	FY17	FY18	FY19	FY20	FY21	Total FY17-FY21
<b>Transportation</b>								
1	0019903	Countywide Bridge Rehabilitation	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000
2	0019901	Countywide Intersections	300,000	300,000	300,000	300,000	300,000	1,500,000
3	0019900	Countywide Sidewalks	300,000	300,000	300,000	300,000	300,000	1,500,000
4	0019904	Local Road Resurfacing	1,562,692	1,562,692	1,562,692	1,562,692	1,562,692	7,813,460
5	0019905	Major Road Resurfacing	2,187,691	2,187,691	2,187,691	2,187,691	2,187,691	10,938,455
		<b>Total Transportation Maintenance</b>	<b>\$ 4,850,383</b>	<b>\$ 4,850,383</b>	<b>\$ 4,850,383</b>	<b>\$ 4,850,383</b>	<b>\$ 4,850,383</b>	<b>\$ 24,251,915</b>
<b>Potable Water</b>								
1	0019600	Water Plant Renewal and Rehab	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 1,750,000
2	0019604	Water Distribution Improvements	350,000	350,000	350,000	350,000	350,000	1,750,000
3	0019605	Water Transmission Mains	300,000	300,000	300,000	300,000	538,600	1,738,600
4	0019606	Master Meter Renewal and Rehab	-	-	-	-	-	\$ -
5	0021400	Water Treatment Plant R&R	350,000	350,000	350,000	350,000	350,000	1,750,000
6	0021500	66th Street Complex R&R	50,000	50,000	50,000	50,000	50,000	250,000
7	5131470	WatMM:Replace LBK	250,000	250,000	250,000	250,000	250,000	1,250,000
		<b>Total Potable Water Maintenance</b>	<b>\$ 1,650,000</b>	<b>\$ 1,650,000</b>	<b>\$ 1,650,000</b>	<b>\$ 1,650,000</b>	<b>\$ 1,888,600</b>	<b>\$ 8,488,600</b>
<b>Wastewater</b>								
1	0019708	Force Main Rehabilitation	186,000	724,000	241,400	160,000	350,000	1,661,400
2	0019713	Laterals Lining - Anna Maria	250,000	250,000	250,000	250,000	250,000	1,250,000
3	0019710	MARS Maintenance R&R	100,000	100,000	100,000	100,000	100,000	500,000
4	0019702	N WRF Maintenance R&R	100,000	100,000	100,000	100,000	100,000	500,000
5	0019701	SE WRF Maintenance R&R	100,000	100,000	100,000	100,000	100,000	500,000
6	0021301	Sewer - Master Lift Stations	600,000	600,000	600,000	600,000	600,000	3,000,000
7	0021306	Sewer - NWRF Maintenance	400,000	400,000	400,000	400,000	400,000	2,000,000
8	0021305	Sewer - Satellite Lift Stations	800,000	800,000	800,000	800,000	800,000	4,000,000
9	0021303	Sewer - SEWRF Maintenance	400,000	400,000	400,000	400,000	400,000	2,000,000
10	0021302	Sewer - SWWRF Maintenance	300,000	300,000	300,000	300,000	300,000	1,500,000
11	0019704	Sewer Line Extensions	100,000	100,000	100,000	100,000	100,000	500,000
12	0019703	Sewer Line Participation	100,000	100,000	100,000	100,000	100,000	500,000
13	0019705	Sewer Reconstruction	100,000	100,000	100,000	100,000	100,000	500,000
14	0021300	Sewer: Reconstruct	230,000	230,000	230,000	230,000	230,000	1,150,000
15	0019700	SW WRF Maintenance R&R	100,000	100,000	100,000	100,000	100,000	500,000
16	0019706	Upgrade Master Lift Stations	750,000	750,000	750,000	750,000	750,000	3,750,000
17	0019707	Upgrade Satellite Lift Stations	1,284,000	1,750,000	1,750,000	1,750,000	1,750,000	8,284,000



**Manatee County  
Public Works Department  
FY17 Resurfacing Priorities  
Major and Local Roads**

<b>Line Number</b>	<b>Major Roads</b>	<b>From</b>	<b>To</b>
1	Tallevast	US 41	9th Ave E
2	34th St W	53rd Ave W	60th Ave W
3	Florida Blvd	34th ST W	26th St W
4	63rd Ave E	15th St E	21st St E
5	Clay Gully Road	Verna	West of M & J
6	15th St E	53rd Ave E	57th Ave E
7	Lakewood Ranch Blvd Sections	SR 64	SR 70
8	Moccassin Wallow Road	Carter Road	East 2300 LF
9	53rd Ave W	30th St W	14th St W
10	Golf Course Road	Rye Road	Jim Davis Road
11	El Conquistador Parkway	43rd St W	Bay Drive
14	51st Ave E	US 301	33rd St E
15	26th St W	9th Ave W	11th Ave W
	<b>Local Roads</b>	<b>From</b>	<b>To</b>
1	Bayshore Gardens Subdivision (Sections)	26th Street West	14th Street West
2	Greenfield Plantation Subdivision Phase II	SR 64	Upper Manatee River Road
3	39th St W	11th Ave W	15th Ave W
4	Mill Creek Subdivsion Phase III	Rye Road	Mill Run E
5	38th St W	Manatee Ave	15th Ave W
6	14th Ave W	39th St W	43rd St W
7	47th ST W	Manatee Ave	9th Ave W
8	7th Ave W	51st St W	46th St W
9	Alhambra	Palma Sola	75th St W
10	Sandstone Ave	Honore Ave	Anvil
11	Sagebrush Cir	Sandstorm Ave	Sandstorm Ave
12	Anvil Lane	Winslow St	Sandstorm Ave
13	Cayon St	Wagon Wheel Cir	Chaparral
14	Wagon Cir	Canyon	Canyou St
15	Bayou Estates North	36th St	6th pl

**Manatee County  
Public Works Department  
FY17 Resurfacing Priorities  
Major and Local Roads**

<b>Line Number</b>	<b>Major Roads</b>	<b>From</b>	<b>To</b>
	<b>Local Roads</b>	<b>From</b>	<b>To</b>
16	Keen Road	Wauchula Rd	End
17	3rd Ave W	43rd St W	51st St W
18	61st St W	Manatee Ave	North end
19	27th Ave E	Moccasin Wallow	93rd St Ct E
20	95th St E	27th Ave E	93rd St Ct E
21	37th Ave E	64th St E	38th Ave E
22	39th Ave E	64th St E	40th Ave E
23	32nd St E	60th Ave E	31st St Ct E
24	31st St Ct E	60th Ave E	32nd St E
25	Braden Run	SR 70	Cypress Cir
26	34th St Ct E	77th Ave E	34th Ct E
27	33rd Lane E	77th Ave E	34th Ct E
28	8th Ave W	33rd St W	26th St W
29	29th Ave W	75th St W	Curve



**Manatee County  
Public Works Department  
FY17-21 Sidewalk Priorities**

<b>Line Number</b>	<b>Sidewalk Project</b>	<b>From</b>	<b>To</b>	<b>Length (Linear Feet)</b>	<b>Located In School District</b>
1	15th St E (East Side)	14th Avenue East	South to Existing Sidewalk	900	No
2	12th Street East (West Side)	57th Avenue East	61st Avenue East	2,700	No
3	36th Street East (Prospect) (East)	Whitfield	South to Existing Sidewalk	1,300	Yes
4	26th Street East	9th Avenue Drive East	15th Avenue East	2,300	No
5	Danny Drive	9th Street East	Magellan Drive	1,600	Yes
6	5th Street West (West Side)	26th Avenue West	28th Avenue West	500	Yes
7	69th Street East (North Side)	60th Avenue East (Moran Rd)	West to Existing Sidewalk	830	Yes
8	17th Street East (South Side)	42nd Avenue Drive East	East to Existing Sidewalk	1,800	Yes
9	Buffalo Road (East Side)	77th Street East	South to Existing Sidewalk	130	Yes



# Manatee County Government CIP Changes - All Categories From FY17-21 Recommended to FY17-21 Adopted

**Beginning:**

Recommended FY17-21 CIP	\$	961,861,112
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**Additions:**

**Projects Added for FY17-FY21**

No New Projects Added for FY17-21 Since Recommended		-
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<b>Total Projects Added for FY17 to CIP since 6/16 presentation</b>	<b>\$</b>	<b>-</b>
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**Projects Added for FY16**

44th Avenue East-45th Street-44th Avenue Plaza East-Water		300,300
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<b>Total Projects Added for FY16 to CIP since 6/16 presentation</b>	<b>\$</b>	<b>300,300</b>
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**Adjustments:**

**Projects Adjusted from FY17-21 RC to FY17-21 AD**

**Funding Shifted from FY17 to FY16:**

John H. Marble Pool Renovations		(147,000)
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<b>Subtotal - Funding Shifted from FY17 to FY16</b>	<b>\$</b>	<b>(147,000)</b>
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**Updated Project Estimated Costs:**

Accela Software Project		318,850
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Central Computer Storage Upgrade		633,578
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Anna Maria Island Beach Renourishment		(1,400,000)
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Erosion Control Groins		1,400,000
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Robinson Preserves Environmental Center/Parking Lot/Restrooms		50,000
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69th Avenue Water Main Loop from 63rd Avenue West to US 41		1,121,000
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Raw Water #2 Motor Control Component Replacement		545,000
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Water Treatment Plant Motor Control Center "A" Replacement		760,000
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44th Avenue East-44th Avenue Plaza East-Lakewood Ranch Boulevard		2,036,000
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Force Main 13A Rehabilitation		500,000
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MLS 1M Emergency Generator Replacement		120,000
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<b>Subtotal - Updated Project Estimated Costs</b>	<b>\$</b>	<b>6,084,428</b>
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<b>Total Adjustments since 6/16/16 presentation</b>	<b>\$</b>	<b>5,937,428</b>
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**Completions/Removals:**

**Projects Completed/Removed from FY17-21 RC to FY17-21 AD**

University Parkway at Waterview

(53,814)

**Total Completions/Removals since 6/16 presentation**

\$ (53,814)

**Adopted FY17-21 CIP**

**\$ 968,045,026**

# Manatee County Capital Improvement Program Glossary of Terms

## **Appropriation**

Legal authorization given by the County Commission to make expenditures and incur obligations using county funds.

## **Arterial Road**

A route providing service which is relatively continuous and of relatively high traffic volume, long average trip length, high operating speed and high mobility importance. The primary purpose of arterials is to provide service to major traffic movements; access to abutting property is a subordinate purpose.

## **Beginning Fund Balance**

The Ending Fund Balance of the previous period. (See Ending Fund Balance)

## **Bond**

Written evidence of the issuer's obligation to repay a specified principal amount on a certain date (maturity date), together with interest at a stated rate, or according to a formula for determining that rate. Bonds are sometimes used as a source of financing for large scale or expensive projects to allow projects to proceed rather than wait until the funds can be accumulated.

## **Capital Budget**

Financial plan of capital project expenditures for the fiscal year beginning October 1. It incorporates anticipated revenues and appropriations included in the first year of the five year Capital Improvement Program (CIP), and any anticipated unspent appropriation balances from the previous fiscal year. The capital budget is adopted by the Board of county Commissioners as a part of the annual county budget.

## **Capital Improvement**

Physical assets constructed or purchased to provide, improve or replace a public facility, and which are large scale and high in cost. The cost of a capital improvement is generally nonrecurring and may require multi-year financing. Physical assets which have been identified as existing or projected needs in the individual Comprehensive Plan elements shall be considered capital improvements.

## **Capital Improvement Element (CIE)**

The Capital Improvement Element of the Comprehensive Plan identifies projects and financing for projects that are required to provide services to the areas of the county where growth is occurring in order to maintain levels of service that are required by the Comprehensive Plan.

## **Capital Improvement Program (CIP)**

A proposed plan, covering each year of a fixed period of years, for financing long-term work projects that lead to the physical development of county infrastructure. Manatee County develops a five year CIP.

# Manatee County Capital Improvement Program Glossary of Terms

## **Capital Project**

A non-recurring expenditure of \$250,000 or more for the construction, installation, or acquisition of capital facilities, or the acquisition of interests in land.

## **Capitalized**

Term used to classify assets which have a useful life greater than one reporting period.

## **Comprehensive Plan**

A document adopted by the Board of County Commissioners that sets forth goals, objectives and policies for future land use, and establishes level of service standards that will be needed to meet the infrastructure needs of the county.

## **Collector Road**

A route providing service which is of relatively moderate average traffic volume, moderately average trip length, and moderately average operating speed. Traffic movement is a priority but there is a higher degree of land access than with an arterial road, allowing such a route to collect and distribute traffic between local roads or arterial roads and serve as a linkage between land access and mobility needs.

## **Concurrency**

Level of service that is required to meet the specified level of service required by the Comprehensive Plan.

## **Contingency Funds**

Monies set aside, consistent with statutory authority, which subsequently can be appropriated to meet unexpected needs.

## **Community Redevelopment Areas (CRAs)**

Means of financing activities from the anticipated incremental increase in tax revenues resulting from the redevelopment of an area. Also known as Tax Increment Funds (TIFs).

## **Current Year Appropriation**

The current year adopted budget adjusted to reflect any budget amendments done during the current fiscal year.

## **Debt Service**

Payment of interest and principal on an obligation resulting from the issuance of bonds.

## **Deficit**

Excess of expenditures over revenues.



# Manatee County Capital Improvement Program Glossary of Terms

## **Department**

Manatee County's organizational structure groups programs or divisions into departments by functional similarities. Departments report to the County Administrator.

## **Designated Funds**

Funds that are set apart for a specific purpose to fund on-going or one-time expenditures. Examples are bond proceeds, reserves or "pay-as-you-go" reserves for future facility renewal and replacement projects found mostly in the Enterprise Funds.

## **Division**

Divisions are the units of government which provide services directly to the public and other agencies. Divisions are organized within departments by functional similarity.

## **Ending Fund Balance**

Funds carried over at the end of the fiscal year. Within the fund, the revenue on hand at the beginning of the fiscal year, plus revenues received during the year, less expenses equals ending fund balance. The Ending Fund Balance becomes the Beginning Fund Balance in the next fiscal year.

## **Enterprise Fund**

A fund which pays for its cost of operations from user fees and does not generally receive property tax or general revenue support. County Enterprise Funds include Manatee County Public Utilities, Landfill, Golf Course, Civic Center, Port Authority, Stormwater Utilities, and Mass Transit.

## **Expenditure**

Decrease in net financial resources. Expenditures include current operating expenses which require the current or future use of net current assets, debt service and capital outlay.

## **Fiscal Year**

A twelve-month period (October 1 through September 30) at the beginning of which the county implements a new budget based on expected revenues and expenditures, and at the end of which the county determines its financial position and the results of its operations.

## **Fixed Assets**

Accounting classification of assets such as property, plant, and equipment which are capitalized.

## **Fund**

A self-balancing set of accounts designated and accounted for separately for the purpose of restricting specific revenues that are then spent for specific activities.

# Manatee County Capital Improvement Program Glossary of Terms

## **Fund Balance**

Amount available within a fund at the close of a fiscal period which can be carried over as non-recurring revenue for the upcoming fiscal period.

## **Funding Sources**

Type or origination of funds to finance ongoing or one-time expenditures. Examples of CIP funding sources include, but are limited to, user fees, general revenues, gas taxes, grants, impact fees, contributions and bonds.

## **Generally Accepted Accounting Principles (GAAP)**

Uniform minimum standards and guidelines for financial accounting and reporting as authorized by the Governmental Accounting Standards Board (GASB). The standards and guidelines include details practices and procedures and broad guidelines of general application.

## **General Revenue**

The revenues of a government other than those derived from and retained in a proprietary, special revenue, or trust and agency fund. In Manatee County, the majority of general revenues come from ad valorem taxes.

## **Governmental Funds**

Funds used to account for the acquisition, use and balances of expendable financial resources and the related current liabilities – except those accounted for in proprietary funds and fiduciary funds.

## **Impact Fees**

Fees charged to developers and individuals to cover, in whole or part, the anticipated cost of improvements that will be necessary as a result of the development.

## **Interfund Transfers**

Transfers of cash between funds without requirement for repayment.

## **Intergovernmental Revenues**

Revenues received from other governments including the federal, state, and other local governmental entities.

## **Level of Service**

An indicator of extent or degree of service which is, or will be, provided by a facility. Level of service standards, as used in the comprehensive plan, are targets or objective with which compliance is required. Levels of service are established using one or more infrastructure standards and may also include use of one or more performance standards.

# Manatee County Capital Improvement Program Glossary of Terms

## **Local Road**

A roadway providing service which is of relatively low traffic volume, short average trip length or minimal through traffic movements and high volume land access for abutting property.

## **Mandate**

A requirement imposed by a legal act of the federal, state or local government.

## **Mass Transit**

Passenger services provided by public, private or non-profit entities such as the following surface transit modes: commuter rail, rapid rail transit, light rail transit, light guideway transit, express bus and local fixed route or demand-response bus.

## **Operating Budget Impacts**

Expenditures directly related to the cost of operating and/or maintaining the capital improvement upon completion of the project.

## **Paratransit**

Transit service, including ridesharing, car or van pools, demand responsive buses, and other public transit services, which are characterized by their nonscheduled, non-fixed route nature.

## **Personal Services Expenditures**

Expenditures for county employees including regular wages, overtime, contributions to the State Retirement System, Social Security, health and worker's compensation insurance premiums, and unemployment compensation costs.

## **Potable Water**

Water which is satisfactory for drinking, culinary, and domestic purposes and which meets the appropriate requirements of the Florida Department of Environmental Regulation.

## **Potable Water Facilities**

A system of structures designed, constructed or used to collect, treat or distribute potable water, which includes water wells, treatment plants, reservoirs, and distribution mains.

## **Preserve**

Resource based preserve operated by the county for the primary purpose of environmental preservation and public enjoyment of environmentally sensitive lands.

# Manatee County Capital Improvement Program Glossary of Terms

## **Prior Year Appropriation**

Includes funds budgeted for projects in prior years or through a budget amendment done during the current year prior to the date of the Proposed CIP.

## **Project**

See Capital Project.

## **Property (Ad Valorem) Taxes**

Revenue which is collected on the basis of a tax rate applied to the taxable valuation of real property.

## **Proposed Budget**

The budget submitted by the County Administrator to the Board of County Commissioners within 15 days after the certification of the ad valorem tax roll by the Property Appraiser.

## **Proprietary Fund**

A set of segregated revenue and expenditure accounts, set up for the purpose of showing net income, financial position, and changes in financial position. Enterprise funds and internal service funds are proprietary funds.

## **Reserves**

Included in this category are funds required to meet both anticipated and unanticipated needs; the balance of anticipated earmarked revenues not required for operation in the budget year; those required to be set aside by bond covenants, and accumulated funds set aside to finance capital construction on a pay-as-you-go basis.

## **Revenue**

Taxes, fees, charges, special assessments, grants, and other funds collected and received by the county to support the services provided.

## **Right of Way**

Land in which the state, county or municipality owns the fee simple title or has an easement dedicated or required for a transportation, utility or other use.

## **Solid Waste**

Sludge from a waste treatment works, water supply treatment plant or air pollution control facility; or garbage, rubbish, refuse or other discarded material, including solid, liquid semisolid, or contained gaseous material resulting from domestic, industrial, commercial, mining, agricultural or governmental operations.

# Manatee County Capital Improvement Program Glossary of Terms

## **Solid Waste Facilities**

Structures or systems designed for the collection, processing or disposal of solid wastes, including hazardous wastes, and which includes transfer stations, processing plants, recycling plants and disposal systems.

## **Special Revenue Fund**

A fund used to account for the proceeds of specific revenue sources (other than expendable trusts or major capital projects) that are legally restricted to expenditures for specified purposes.

## **Stormwater**

The flow of water which results from a rainfall event.

## **Stormwater Runoff**

Portion of precipitation which is not passed into the soil by infiltration, evaporated into the atmosphere, or entrapped by small surface depressions and vegetation, and which flows over the land surface during, and for a short duration following any rainfall.

## **Surplus**

Excess of revenues over expenditures.

## **Taxes**

Compulsory charges levied by a government for the purpose of financing services performed for the common benefit. Does not include user fees or special assessments.

## **Tax Increment Fund (TIF)**

Means of financing activities from the anticipated incremental increase in tax revenues resulting from the redevelopment of an area. Also known as Community Redevelopment Areas (CRAs).

## **Tourist Development Tax**

A tax collected on hotel rooms and other lodging rentals of six months or less. In Manatee County, one penny of the five cents collected is reserved for beach renourishment and beach improvement projects. Tourist tax monies other than this cent may be used for other tourist related projects or facilities.

## **Transfer**

A movement of monies from one fund to another fund for the purpose of accurately accounting for expenditures. Transfers are expenditures to the fund they are being transferred from and revenues to the receiving fund. Because transfers are again budgeted as expenditures in the receiving fund, they are not included in the net budget to avoid counting the monies as expended twice.

# Manatee County Capital Improvement Program Glossary of Terms

## **User Fees**

The payment of a fee for direct receipt of a public service by the person benefiting from the service.

## **Unincorporated Municipal Services Taxing Unit**

Unincorporated areas within Manatee County are within the Unincorporated Municipal Services Taxing Unit. Residents of the district are assessed a millage rate by the county to provide services which would be provided by a municipality if the areas were incorporated.

## **Voted Millage**

Property tax levies authorized by voters within a taxing authority. Bond issues that are backed by property taxes are a common form of voted millage in the State of Florida. Such issues are called general obligation bonds and may be used to finance large capital projects.



**Manatee County**  
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