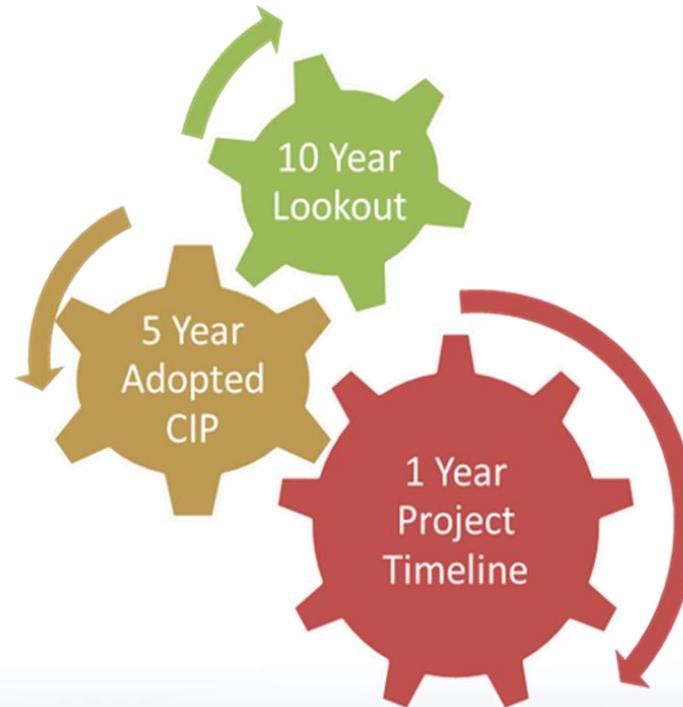


CAPITAL IMPROVEMENT PLAN

2016

10-YEAR PLAN UPDATE



Find Your Florida

TRANSPORTATION PROJECTS			To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>			FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	
DESCRIPTION	PROJECT									
/ PHASE	NUMBER									

BRIDGE REHABILITATION (All Bridges are annually inspected by FDOT)
Bridge rating explanation: All components and materials of those components are inspected and rated separately. These components are given a numerical rating, generally 1 -4. Other factors are taken into consideration such as load rating and traffic flow. The ratings of all components and considerations are compiled for an overall letter grade, generally A – D.
A – Little or no deterioration. Little or no effect on strength and/or serviceability
B – Minor cracks, spalls and scaling. No exposed or evidence of rebar corrosion
C – Some delamination, moderate cracking, some rebar exposure. Loss is incidental and does not significantly affect the strength and/or serviceability.
D – Advanced deterioration. Sufficient to warrant review the impact on the strength and/or serviceability.

Bridge #734063 - Colechester @ College Waterway (FDOT rating D)	Construction	54602	100,000							
Bridge #734064 - Colorado @ College Waterway (FDOT rating D)	Design Construction		150,000	1,400,000						
General Bridge Rehabilitation	Construction					250,000				
Bridge Rehab -735503, Secretary @ Seminole Waterway (FDOT rating C)	Design Construction						100,000		150,000	
Bridge Rehab - 734066, Wellington @ Wynfield Waterway (FDOT rating C)	Design Construction								25,000 1,200,000	
Bridge #734067, Palm Harbor @ Mulberry Creek (FDOT rating C)	Design Construction								50,000	250,000

TRANSPORTATION PROJECTS			To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>			FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	
DESCRIPTION / PHASE	PROJECT NUMBER									

CAPACITY IMPROVEMENTS

Palm Coast Pkwy. 6-laning	Design	54501	30,000							
	Construction		1,400,000							
	CEI		148,216							
FDOT Grant (Construction & CEI)			\$10,328,320							
Old Kings Rd. Extension	Phase 2	54502				4,500,000				
	ROW		40,000							
	FPL					50,000				
FDOT Grant (ROW)			\$5,100,000							
OKR Widening (Palm Coast Pkwy to Forest Grove Dr.)	Design	54507	700,000							
	ROW		1,130,000							
	FPL								250,000	
	Construction/CE								27,000,000	
FDOT Grant (Design & ROW)			\$2,060,000							
Palm Harbor Extension	Design & CEI	54505	100,000							
	Wetland Mit.			15,000	25,000					
	Construction		2,800,000							
	FPL		100,000							

TRANSPORTATION PROJECTS			To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>										
DESCRIPTION / PHASE	PROJECT NUMBER		FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	

Beautification Projects		52003	600,000	200,000	200,000	300,000	300,000	615,000	495,000	
SR100 - Old Kings Road to Roberts Rd	Construction	250,000	100,000							
SR100 & I95 Interchange Improvements	Design & Construction		260,000							
Belle Terre Median - Royal Palms to SR100	Construction		160,000							
Palm Harbor Pkwy Median - Eurpean Village	Construction		40,000							
Whiteview Median Improvements - East of Whitemill to US1	Design Construction		10,000	200,000						
Entry Sign & Median - Whiteview Pkwy at US1	Design Construction		30,000		75,000					
Seminole Woods Parkway Median Improvements - SR100 to north of Citation	Design Construction				10,000 115,000	300,000	300,000			
Fountain in FDOT pond at Palm Coast Pkwy SB exit ramp	Design & Construction							30,000		
Entry Sign (Major Gateway) - I95/Matanzas Woods Pkwy Interchange	Design Construction							60,000 440,000		
Entry Sign (Minor Gateway) - Old Kings Road at US1	Design Construction							25,000 60,000		

TRANSPORTATION PROJECTS			To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>			FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	
DESCRIPTION / PHASE	PROJECT NUMBER									

SAFETY PROJECTS										
Bulldog Drive Improvements		35001								
FPL Street Light Agreement, Relocation, Services	Design/CEI									250,000
Ultimate 4-laning of Bulldog - Phase 2	Construction									300,000
FPL Underground Utilities - Phase 2	Construction									2,500,000
	Contingency									400,000
School 'Bus Stop Pads				100,000	50,000	50,000				250,000

STREET RESURFACING										
		54104								
24 lane miles @ \$50,000 per lane mile (Includes milling of existing and new 1-1/2" asphalt overlay as well as % asphalt cost increase per year)			1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000	

TRANSPORTATION PROJECTS <i>(Projects highlighted in blue are partially or fully funded with grants)</i>			To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
DESCRIPTION / PHASE	PROJECT NUMBER		FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	

TRAFFIC OPERATIONS										
Intersection/Turn Lanes		54409								
Old Kings Road (1,500lf) south of Palm Coast Parkway	Design Construction		130,000							
SR100			By FDOT By Developer 100,000							
2nd Left Turn Lane (EB @ Belle Terre) Right Turn Lane (EB into new Dev. East of Belle Right Turn Lane @ Seminole Woods										
Whiteview (Pritchard Drive to US1) Intersection Analysis Left Turn Lane (WB Whiteview @ Ravenwood) Left Turn Lane (WB Whiteview @ White Mill) Right Turn Lane (EB Whiteview @ Whipporwhil) Other Projects to be determined from Study					75,000	TBD TBD TBD TBD				
Belle Terre (Palm Coast Parkway to US1) Intersection Analysis Right Turn Lane (NB Belle Terre Blvd. @ SR100) Left Turn Lane (SB Belle Terre Blvd. south of SR100) Right Turn Lanes (Belle Terre NB & SB @ Royal New Signal - Belle Terre / Market Ave / Eastwood Other Projects to be determined from Study			75,000	75,000 125,000 400,000	200,000	200,000		400,000	1,000,000	

TRANSPORTATION PROJECTS			To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>	DESCRIPTION / PHASE	PROJECT NUMBER	FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	
Seminole Woods (SR100 to US1) Intersection Analysis Left Turn Lane (NB Seminole Woods Pkwy. @ Southbound left turn lane @ Pinnacles Other Projects to be determined from Study				By Developer	55,000		100,000	TBD		
Rymfire (Belle Terre to Royal Palms) Intersection Analysis Projects to be determined from Study										
Palm Harbor (Palm Coast Parkway to Old Kings) Intersection Analysis Projects to be determined from Study										
Pine Lakes (Belle Terre to Belle Terre) Intersection Analysis Projects to be determined from Study										
Right Turn Lane (EB Easthampton @ Belle Terre)										
Projects to be determined										
Guardrail replacements from accidents			25,000	25,000	25,000	25,000	25,000	25,000	125,000	

TRANSPORTATION PROJECTS <i>(Projects highlighted in blue are partially or fully funded with grants)</i>			To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
DESCRIPTION / PHASE	PROJECT NUMBER		FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	

Traffic Signals		54405								
Traffic Cabinet Replacement			45,000	45,000	55,000	55,000	60,000	60,000	300,000	
Traffic Signal Intersection Analysis (Qty. 51)					100,000		100,000			
Traffic Signal Intersection Modifications per Study						100,000		100,000	100,000	
Traffic Signal Optimization Study			60,000							
Traffic Signal Optimization Implementation			490,000	450,000						
OKR - Town Center - Temp Signal	Design/Construct		200,000							
Traffic Signal Analysis Study/Warrant/Construction (1 Signal)									450,000	
Traffic Signal Conversion - Strain Pole to Mast Arm										
Belle Terre (Cypress Point Parkway)	Design/Construct			400,000						
Belle Terre (Palm Coast Parkway EB)	Design/Construct									400,000
Belle Terre (Kohls/Publix)	Design/Construct									400,000
Belle Terre (Palm Coast Parkway WB)	Design/Construct									400,000
Belle Terre (Pine Likes Parkway)	Design/Construct									400,000
Belle Terre (Parkview)	Design/Construct									400,000
Belle Terre (BTMS)	Design/Construct									400,000
Palm Coast Parkway WB (Pine Cone)	Design/Construct									400,000
Palm Coast Parkway EB (Pine Cone)	Design/Construct									400,000
Palm Coast Parkway WB (Colbert)	Design/Construct									400,000
Palm Coast Parkway EB (Colbert)	Design/Construct									400,000

TOTAL EXPENDITURES			11,553,216	6,280,000	4,548,000	6,940,000	2,645,000	3,460,000	57,862,480	
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RECREATION PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>										
DESCRIPTION / PHASE	PROJECT NUMBER		FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	

PARKS & RECREATIONAL FACILITIES

Parks

Longs Landing Phase 2 - Nature Center, Exhibits, Site Elements, landscaping, etc.	Design / CEI	61015						100,000		
	Construction							1,000,000	1,680,000	
	Contingency							100,000	170,000	
Town Center Restroom Building	Construction	61533	275,000							
ITMS Restroom & Storage Building	Construction	61532	250,000		25,000	250,000				
ITSC Field Lighting @ ITMS 3 fields	Construction			375,000						
Holland Park Improvements Phase 1 - Sitework Phase 2 - Building Renovations, New Restroom & Maintenance Facility Phase 3 - Sports Lighting (limited) Phase 4 - Playground & Splash Park	Design / CEI	66006	50,000		50,000	50,000				
	Construction		3,710,000							
	Construction						850,000			
	Construction						350,000			
	Construction						1,600,000			
	Contingency						500,000			
Town Center Central Park - Remaining Phases	Construction								3,000,000	

RECREATION PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>			FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	
DESCRIPTION / PHASE	PROJECT NUMBER									
Neighborhood Parks (5-10 acres) \$250,000/acre for development [Minimum of 1 project to occur over next 10-years]									2,750,000	
Matanzas Woods Neighborhood Park	Design / Construction									
Pine Lakes Neighborhood Park (10 acres)	Land									
	Design / Construction									
Quail Hollow Neighborhood Park (10 acres)	Land									
	Design / Construction									
Community Centers										
Community Center Renovation/Addition	Design	66005	50,000	100,000	100,000					3,050,000
	Construction			3,700,000	2,900,000					2,900,000

RECREATION PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>			FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	
DESCRIPTION / PHASE	PROJECT NUMBER									

PARK RENOVATIONS		66008	753,000	300,000	360,000	280,000	160,000	190,000	875,000	
Frieda Zamba Pool Pump Enclosure & Filtration			150,000							
ITSC - Baseball Field Improvements (Grant) dugouts			55,000							
ITSC - Field Sod Replacement & Underdrain (4)			80,000	80,000	160,000					
Playground Shade Sail Program (BT, RC, SW, WP)			300,000							
Energy Improvements (Park Faciliites)			28,000							
Park Cameras (ITSC, BT, SW, WP, HP)					145,000					
Frieda Zamba Bldg Renovations - Minor						205,000				
ITSC/ITMS - Scoreboards (9)								125,000		
Park Equipment New/Replacement (basketball posts, tennis nets, benches, picnic tables, goals, etc.)							35,000		95,000	
Playground Equipment Replacement									50,000	
Fence / Screen Replacement (Tennis, Basketball, etc)									50,000	
Basketball & Tennis Court Resurfacing (\$10,000 per court) (Seminole 1 BB & 1 T; Ralph Carter 1 BB)									30,000	

RECREATION PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>	DESCRIPTION / PHASE	PROJECT NUMBER	FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	
Palm Harbor Golf Club										
Rebuilding of Bunkers (64) (9 holes per year)			125,000	125,000					TBD	
Clubhouse Improvements		15,000								
Greens Reconstruction: \$TBD										
Wash Down System				45,000						
Lightning Detection System				20,000						
Pneumatic Line Drops, Maintenance Building B					500					
Air Compressor, Tire Repair Shop					1,000					
Paint Facility Exterior, Maintenance Building A & B					20,000					
Paint Floors Building B					10,000					
Add Gutters and Downspouts, Maintenance Building					3,000					
Add Gutters and Downspouts, Maintenance Building					1,500					
Exterior Facility Chain Link Fence Repair					4,000					
Mini-Split Ductless AC in Offices						5,000				
Maintenance Building B, Restroom Upgrade & Maintenance Building Improvements						20,000				
Roof Replacement, Maintenance Building A						25,000				
Roof Replacement, Maintenance Building B							41,000			
Paving: Maintenance Area Resurfacing							19,000	25,000		
Expand Parking Area: \$TBD								75,000		
Landscaping (maintenance facility & other areas)								50,000		
Enclosure Building for Irrigation Pump Station										
Lighted Driving Range										
Other Projects to be determined				30,000	15,000	25,000	65,000	65,000	500,000	

RECREATION PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
<i>(Projects highlighted in blue are partially or fully funded with grants)</i>	DESCRIPTION / PHASE	PROJECT NUMBER	FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	

TRAILS & TRAIL AMENITIES

Graham Swamp Trail Phase 2	Design Construction	61014							336,500 2,463,500	
Lehigh/Belle Terre Trailhead (FPL Easement)	Design Construction	66009			100,000				100,000 475,000	
Trailhead & Trail Signs	Material		50,000		50,000		50,000			

Contingency / Safety Improvements			75,000	75,000	75,000	75,000	75,000	75,000	375,000	
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TOTAL EXPENDITURES			5,213,000	4,550,000	3,660,000	3,955,000	285,000	1,465,000	12,225,000	
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GENERAL GOVERNMENT PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
DESCRIPTION / PHASE	PROJECT NUMBER	FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26		
City Hall		250,000								
City Hall Generator			500,000							
City Hall - Community Spaces		50,000								
ADA Transition Plan (existing facility compliance)			75,000	150,000	25,000	50,000	50,000			
Public Works Facility		150,000				TBD	TBD			
City Council Reserves		284,600								
Mosquito Control Facility Purchase		350,000								
Alternative Fuel Depot										
Land Acquisition (Open Space Preservation, Habitat Protection & Other)										
TOTAL EXPENDITURES		1,084,600	575,000	150,000	25,000	50,000	50,000	0	0	

STORMWATER PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
DESCRIPTION / PHASE	PROJECT NUMBER		FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	

Water Control Structures			0	385,000	220,000	350,000	350,000	385,000	1,820,000	1,000,000
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19 of 32 complete as of FY15

BS-2	Construction			350,000						
	Contingency			35,000						
W- 1 (to be done with major crossing W-1)	Construction				200,000					
	Contingency				20,000					
L1	Construction					320,000				
	Contingency					30,000				
K-6 (to be done with major crossing K-6)	Construction						320,000			
	Contingency						30,000			
K-1	Construction							350,000		
	Contingency							35,000		
P-1	Construction								220,000	
B-1, B-2	Construction								265,000	
B-3	Construction								135,000	
M-2 (2022)	Construction								100,000	
63-I & Little Canal Spillout (2023)	Construction								200,000	
15-F (2024)	Construction								450,000	
Florida Park North (2025)	Construction								450,000	
LS-1	Construction									300,000
US-1 (FDOT)	Construction									400,000
ITT Weir (ITT)	Construction									300,000

Program complete FY 2029

STORMWATER PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
DESCRIPTION / PHASE	PROJECT NUMBER		FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	

Major Crossings			500,000	0	605,000	0	310,000	0	1,295,000	10,420,000
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14 of 74 complete as of FY15

Boulder Rock	Construction		500,000							
F-2	Construction									
K-6 (to be done with water control structure K-6)	Construction						280,000			
	Contingency						30,000			
W-1 (to be done with water control structure W-1)	Construction				550,000					
	Contingency				55,000					
P-1 (to be done with water control structure P-1) (2021)	Construction								605,000	
M-2 (2023)	Construction								440,000	
PA-3 (2025)	Construction								250,000	
Future	Construction									10,420,000

60 of 74 Remaining as of 2025

STORMWATER PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
DESCRIPTION / PHASE	PROJECT NUMBER		FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	

Public Works - Stormwater Capital			1,325,000	1,508,000	1,516,830	1,525,748	1,534,756	1,543,853	7,858,946	15,297,780
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Ongoing Maintenance										
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Pipe Crossings (1,806 locations) (184 complete)	40 - 45 per year	55003	450,000	550,000	550,000	550,000	550,000	550,000	2,750,000	14,187,780
Valley Gutters (376 Locations) (69 complete)	12 per year		75,000	75,000	75,000	75,000	75,000	75,000	375,000	1,110,000
Swale Maintenance & Rehab (Materials)	1% growth per year	55105	800,000	883,000	891,830	900,748	909,756	918,853	4,733,946	

Ongoing Maintenance										
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Stormwater Modeling			318,000	230,000	0	275,000	0	400,000	0	
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Notes										
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Section 34	Design & Permit		18,000							
	Construction			230,000						
Section 37 (Trib 1 & 3)	Construction		287,000							
Section 1 & 2 (Modeling Underway)	Design & Permit									
	Construction							400,000		
Section 30	Design & Permit		13,000							
	Construction					275,000				
Section 35	Permitting									
	Construction									
Matanzas	??									

Ongoing Improvement Projects (8 of 44 Modeled)										
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STORMWATER PROJECTS			Curent Budget	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-10 Year CIP	Future CIP
DESCRIPTION / PHASE	PROJECT NUMBER		FY 16	FY 17	FY 18	FY 19	FY 20	FY21	FY22 - 26	

Canal End Seawalls			20,000	35,000	35,000	35,000	35,000	35,000	175,000	70,000
11 of 23 Complete as of FY 15										
Clubfield @ 2 Clarendon		55230	20,000							
Fanwood Ct		55230		35,000						
Fleming Ct @ Florance Ct		55230			35,000					
Christopher Ct @ Chadwick Ct		55230				35,000				
Chadwick Ct @ Chillham Ct		55230					35,000			
<i>Need to Identify</i>		55230						35,000		
Future Construction		55230							175,000	
Future Construction		55230								70,000
Program Complete FY 28										

Freshwater Canal Dredging			110,000	0	0	0	145,000	0	136,000	
58 Miles of Freshwater Canals										
Lehigh Canal @ Old Kings Road	Construction		110,000							
	Design/ Permitting						5,000		4,000	
Freshwater Canal Dredging	Construction						90,000		120,000	
	Contingency						50,000		12,000	
Ongoing Maintenance										

TOTAL EXPENDITURES			2,338,000	2,193,000	2,431,830	2,390,748	2,429,756	2,418,853	11,459,946	
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WATER AND WASTEWATER UTILITY DESCRIPTION	To Expend FY 16	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-Year TOTAL
		FY 17	FY 18	FY 19	FY 20	FY21	

Water System:							
Water Treatment Plant #3							
81010 Membrane Replacement <i>Plant Expansion Design</i>	275,000						275,000 0
Total Water Treatment Plant #3	275,000	0	0	0	0	0	275,000
Wellfield and Wells							
81019 Wellfield Expansion WTP #3 Phase 3, Fresh <i>Wellfield Expansion WTP #3 Phase 3 - Brackish</i>		260,000				250,000	510,000 0
81019 Wellfield Expansion WTP #2, Phase 1 (raw water main & 4 wells)	2,750,000						2,750,000
81019 Wellfield Expansion WTP #2, Phase 2 (3 wells & activation)			200,000	1,250,000		500,000	1,950,000
81019 Wellfield Expansion WTP #2, Phase 3					200,000	1,250,000	1,450,000
81019 Wellfield Expansion WTP #2, Phase 4						1,500,000	1,500,000
81019 AWS Investigation/APT/WTP#3	550,000						550,000
81019 Well Construction Replacements <i>North and South Wellfield Property Aquisition</i>	250,000	300,000	300,000	300,000	300,000	450,000	1,900,000 0
Total Wellfield and Wells	3,550,000	560,000	500,000	1,550,000	500,000	3,950,000	10,610,000

WATER AND WASTEWATER UTILITY DESCRIPTION	To Expend FY 16	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-Year TOTAL
		FY 17	FY 18	FY 19	FY 20	FY21	
Water Mains							
81020 Citation/Old Kings Road/SR100 Water Main Loop		1,000,000					1,000,000
81020 Old Kings Road Water Main Extension to Eagle Lakes	50,000						50,000
81020 Old Kings Road Water Mains (Phase 2)			100,000	100,000	800,000	2,000,000	3,000,000
<i>Matanzas Woods Pkwy Relocate</i>							0
North Old Kings Road Water Main Relocation	175,000						175,000
Total Water Mains	225,000	1,000,000	100,000	100,000	800,000	2,000,000	4,225,000
Water Treatment Plant #1							
84002 WTP No. 1 Replacement Generator and Electrical Upgrade	1,000,000						1,000,000
<i>Lime Sludge Handling - Design and Facility</i>							0
Total Water Treatment Plant #1	1,000,000	0	0	0	0	0	1,000,000
Water Treatment Plant #2							
84003 Membrane Replacement - NF						300,000	300,000
<i>Membrane Replacement - UF</i>							0
Disinfection By-Products	200,000					300,000	500,000
Total Water Treatment Plant #2	200,000	0	0	0	0	600,000	800,000

WATER AND WASTEWATER UTILITY DESCRIPTION	To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-Year
	FY 16	FY 17	FY 18	FY 19	FY 20	FY21	TOTAL
General Plant R&R 84004 Construction	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000
Total General Plant R&R	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000
Distribution System Improvements							
Canal Crossing Replacements						150,000	150,000
Large Backflow Preventor Replacements	75,000	75,000	75,000	75,000	75,000	75,000	450,000
Fixed Base Meter Reading	500,000		250,000	250,000	250,000	250,000	1,500,000
Radio Read Metering	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000
Old Kings Road Relocate						500,000	500,000
84005 Construction	75,000	75,000	100,000	100,000	100,000	100,000	550,000
Total Distribution System Improvements	1,150,000	650,000	925,000	925,000	925,000	1,575,000	6,150,000
Coquina Coast Sea Water Desalination Project 89003 Engineering & Planning							0
Total Coquina Coast Sea Water Desalination Project	0	0	0	0	0	0	0
Total Water System Improvements	6,900,000	2,710,000	2,025,000	3,075,000	2,725,000	8,625,000	26,060,000

WATER AND WASTEWATER UTILITY DESCRIPTION	To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-Year
	FY 16	FY 17	FY 18	FY 19	FY 20	FY21	TOTAL
Wastewater System:							
Gravity System							
Gravity Pipeline Lining	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000
Total Gravity System	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000
Pretreatment Effluent Pumping System							
82001 System Upgrades	100,000	100,000	100,000	100,000	100,000	100,000	600,000
82001 PEP Tanks	750,000	800,000	850,000	950,000	1,000,000	1,000,000	5,350,000
Total Pretreatment Effluent Pumping System	850,000	900,000	950,000	1,050,000	1,100,000	1,100,000	5,950,000
Wastewater Treatment Plant #1							
82002 Headworks Coating Rehab	120,000						120,000
82002 Clarifiers #7 & #8 Rehab						640,000	640,000
82002 Headworks Screening					400,000		400,000
Centrifuge Replacement						250,000	250,000
Biosolids Treatment/Disposal Improvements	55,000						55,000
New Administration Building		275,000					275,000
Total Wastewater Treatment Plant #1	175,000	275,000	0	0	400,000	890,000	1,740,000

WATER AND WASTEWATER UTILITY DESCRIPTION	To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-Year
	FY 16	FY 17	FY 18	FY 19	FY 20	FY21	TOTAL
Force Mains							
82003 16" Discharge to ICWW	150,000	1,500,000					1,650,000
82003 OKR Force Main Replacement (Town Center to Rib Site)	804,498						804,498
82003 OKR Force Main Replacement (Rib Site to Palm Coast Parkway)						750,000	750,000
Pine Lakes to WWTP #2		75,000	550,000				625,000
White View, PS 24-2 to Old Kings Road	75,000	400,000					475,000
<i>Belle Terre Relocate</i>							0
<i>OKR North 4-Laning Relocate</i>							0
<i>Matanzas Relocate</i>							0
<i>Ravenwood to WWTP #2 on US1</i>							0
Total Force Mains	1,029,498	1,975,000	550,000	0	0	750,000	4,304,498
Reclaimed Water Mains							
82004 Seminole Blvd Reclaimed Water Main	1,000,000						1,000,000
Old Kings Road Phase 2					300,000	350,000	650,000
Irrigation along US#1, Palm Coast Park		1,500,000					1,500,000
RCW Main Extension to the Sports Complex						1,000,000	1,000,000
<i>Cigar Lake Water Quality Improvements</i>							0
Total Reclaimed Water Mains	1,000,000	1,500,000	0	0	300,000	1,350,000	4,150,000

WATER AND WASTEWATER UTILITY DESCRIPTION	To Expend	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-Year
	FY 16	FY 17	FY 18	FY 19	FY 20	FY21	TOTAL
Wastewater Treatment Plant #2							
82007 Engineering Design & Construction	7,500,000	13,235,000	4,000,000				24,735,000
82007 Reclaimed Water Discharge to Wetlands Design/Const.	30,000	2,125,000	500,000				2,655,000
82007 WWTF #2 Expansion (Planning & Engineering)						1,500,000	1,500,000
<i>WWTF #2 Expansion (Construction)</i>							0
Total Wastewater Treatment Plant #2	7,530,000	15,360,000	4,500,000	0	0	1,500,000	28,890,000
Beachside Sewer System							
82009 Design and Construction/phase 2			1,000,000	500,000	1,000,000		2,500,000
Total Beachside Sewer System	0	0	1,000,000	500,000	1,000,000	0	2,500,000
Lift Stations and Pump Stations							
85003 Pump Station Upgrades	100,000	100,000	100,000	100,000	100,000	100,000	600,000
85003 Pump Station On-Line Generator	50,000	50,000		50,000	0	50,000	200,000
85003 Pump Station Odor Control Systems	40,000	40,000	40,000	40,000	40,000	40,000	240,000
85003 OKR Master Pump Station	1,000,000						1,000,000
85003 Belle Terre/Matanzas Woods MPS		2,000,000	500,000				2,500,000
85003 Pump Station 34-1 Upgrade	250,000						250,000
Total Lift Stations and Pump Stations	1,440,000	2,190,000	640,000	190,000	140,000	190,000	4,790,000
General Plant R&R - Wastewater							
85005 Construction	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000
Total General Plant R&R - Wastewater	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000
Total Wastewater System Improvements	12,774,498	22,950,000	8,390,000	2,490,000	3,690,000	6,530,000	56,824,498

WATER AND WASTEWATER UTILITY DESCRIPTION	To Expend FY 16	Proposed Budget & 5-Year Capital Improvement Plan (CIP)					6-Year TOTAL
		FY 17	FY 18	FY 19	FY 20	FY21	
Miscellaneous Utility Services							
Miscellaneous Utility Services(54029000-034000)							
89002 CUP Modification Application		100,000					100,000
89002 CUP Compliance Report						150,000	150,000
89002 Consultant Input on CIP Development	14,000	14,000	15,000	15,000	15,000	15,000	88,000
<i>Water Supply Facilities Work Plan</i>							0
<i>Public Works/Utility Office and Yard Study</i>							0
89002 Rate Study/Bond Issue		50,000					50,000
Total Miscellaneous Utility Services	14,000	164,000	15,000	15,000	15,000	165,000	388,000
TOTAL EXPENDITURES	19,688,498	25,824,000	10,430,000	5,580,000	6,430,000	15,320,000	83,272,498