

Five Year Capital Program Fiscal Years Ending 2019-2023



City of Vero Beach, Florida

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CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM
FUND 304: General Government Capital and Construction

Account Number	Account Name	FY 17-18			FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
		FY 17-18 ORIGINAL BUDGET	FY 17-18 BUDGET INCREASE (DECREASE)	FY 17-18 BUDGET AMENDMENT					
FUND BALANCE FORWARD (OCTOBER 1)		1,215,824		2,402,412	587,061	1,618,178	1,755,072	1,678,353	1,991,146
REVENUES									
304.0000.334.040900	FIND GRANT - RIVERSIDE PARK FISHING PIER	110,000	-	110,000	-	-	-	-	-
304.0000.334.040910	HMGP GRANT - VBPD ROOF REPLACEMENT & WINDOW UPGRADES	525,000	(500,000)	25,000	500,000	-	-	-	-
304.0000.334.040920	HISTORIC PRESERVATION GRANT - COMMUNITY CENTER	126,000	(126,000)	-	-	-	-	-	-
304.0000.334._____	DEP GRANT - LATERAL 'E' DRAINAGE BASIN IMPRVMENTS-STRMWTR	-	-	-	-	-	425,000	-	-
304.0000.361.010200	INTEREST ON INVESTMENTS	1,000	-	1,000	1,000	1,000	-	-	-
304.0000.363.000100	SPECIAL ASSESSMENTS	2,000	-	2,000	-	-	-	-	-
304.0000.365.090150	SALE OF SURPLUS VEHICLES	50,000	(25,000)	25,000	-	-	-	-	-
304.0000.383.000100	CAPITAL LEASE PROCEEDS (VEHICLE LEASE-PURCHASE)	761,516	-	761,516	543,800	428,192	586,830	737,372	1,066,475
304.0000.369._____	PROCEEDS FROM SALE OF DOWNTOWN P.O. PROPERTY	-	-	-	1,225,000	-	-	-	-
304.0000.389.000300	CONTRIBUTION FROM WHITAKER TRUST (RECREATION PROJECTS)	-	-	-	40,000	42,000	-	120,000	132,000
304.0000.389.001000	TRANSFER FROM GENERAL FUND	425,000	-	425,000	-	-	-	-	-
304.0000.389.001600	TRANS FROM 311 GENERAL	1,819,000	-	1,819,000	2,441,000	2,451,000	2,471,000	2,481,000	2,501,000
304.0000.389.001500	TRANSFER FROM DOWNEY LITTLE FLOWER FUND	25,000	(25,000)	-	-	-	-	-	-
304.0000.389.800000	CONTRIBUTIONS FRM PRIVATE SOURCES-RIVERSIDE PK FISHING	110,000	-	110,000	-	-	-	-	-
304.0000.389.800100	CONTRIBUTIONS FROM PRIVATE SOURCES-STORMWATER	-	135	135	-	-	-	-	-
304.0000.389.800000	CONTRIBUTIONS FROM PRIVATE SOURCES-PUBLIC WORKS	-	-	-	5,000	-	-	-	-
304.0000.389.800000	CONTRIBUTIONS FRM PRIVATE SOURCES-BEACH LIFEGUARD	-	-	-	-	250,000	-	-	-
Total Revenues		3,954,516	(675,865)	3,278,651	4,755,800	3,172,192	3,482,830	3,338,372	3,699,475
EXPENDITURES									
INFORMATION TECHNOLOGY									
304.9900.513.616006	REPLACE PHONE SYSTEM	119,500	-	119,500	19,500	-	-	-	-
304.9900.513.616007	REPLACE CORE NETWORK SWITCHES	60,000	-	60,000	-	-	-	-	-
304.9900.513._____	REPLACE CITY HALL SAN	-	-	-	-	-	-	50,000	-
POLICE									
304.9900.521.607001	POLICE VEHICLE PURCHASE	-	42,141	42,141	-	-	-	-	-
304.9900.521.610008	POLICE VEHICLES (LEASE -PURCHASE ACQUISITION)	327,000	314,220	641,220	351,000	254,616	392,000	441,000	490,000
304.9900.521.610011	VBPD VEHICLES LEASE-PURCHASE DEBT SERVICE	372,300	(8,256)	364,044	442,889	374,521	381,975	388,350	433,219
304.9900.521.610012	VBPD COMMUNICATIONS CENTER UPGRADES	60,000	-	60,000	-	-	-	-	-
304.9900.521.610013	VBPD VEHICLE MOBILE RADIO REPLACEMENT	39,330	-	39,330	39,330	39,330	-	-	-
304.9900.521.610014	VBPD MOTORCYCLE TRAILER	4,900	-	4,900	-	-	-	-	-
304.9900.521.610015	VBPD ROOF REPLACEMENT AND WINDOW UPGRADES (HMGP)	700,000	(600,000)	100,000	600,000	-	-	-	-
VEHICLES - FLEET AND STREETS/STORMWATER									
304.9900.541.616008	STREETS/STORMWTR VEHICLE PURCHASE	475,000	22,949	497,949	-	244,000	200,000	220,000	220,000
304.9900.541.613003	STREETS/STORMWTR VEHICLE LEASE-PURCHASE	220,000	4,197	224,197	-	-	-	-	240,000
304.9900.541.641411	STREETS/STORMWTR VEHICLE LEASE-PURCHASE DEBT SERVICE	110,204	(1,149)	109,055	109,055	109,055	48,269	48,269	53,911
304.9900.541.641409	GENERAL FUND VEHICLE LEASE-PURCHASE	190,516	112,124	302,640	192,800	173,576	194,830	233,585	336,475
304.9900.541.641413	GENERAL FUND VEHICLE LEASE-PURCHASE DEBT SERVICE	222,580	(8,725)	213,855	257,163	243,737	213,012	212,601	254,113
304.9900.572.641413	RECREATION VEHICLE LEASE-PURCHASE	24,000	(1,318)	22,682	-	-	-	62,787	-
304.9900.572.641414	RECREATION VEHICLE LEASE-PURCHASE DEBT SERVICE	19,454	(508)	18,946	18,946	9,463	9,463	18,987	14,103

FIVE YEAR CAPITAL IMPROVEMENT PROGRAM
FUND 304: General Government Capital and Construction

Account Number	Account Name	FY 17-18			FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
		FY 17-18 ORIGINAL BUDGET	BUDGET INCREASE (DECREASE)	FY 17-18 BUDGET AMENDMENT					
PUBLIC WORKS									
304.9900.541.608005	NEW SIDEWALK CONSTRUCTION	170,000	-	170,000	15,000	-	-	-	-
304.9900.541.615051	FEC RAILROAD CROSSING MAINTENANCE	140,000	-	140,000	-	-	-	-	-
304.9900.541.615062	AIR CONDITIONER REPLACEMENTS (VARIOUS LOCATIONS)	40,000	-	40,000	40,000	-	-	-	-
304.9900.541.616017	REPLACE TRAFFIC SIGNALS 26TH ST, US1, ST LUCIE AVE	-	-	-	-	-	125,000	125,000	-
304.9900.541.616022	RIVERSIDE PARK FISHING PIER	220,000	-	220,000	-	-	-	-	-
304.9900.541.631410	34TH AVE BRIDGE REPLACEMENT AND AIRPORT RD	-	59,091	59,091	-	-	-	-	-
304.9900.541.665002	ANNUAL STREET RESURFACING	240,000	437,402	677,402	350,000	350,000	350,000	400,000	500,000
304.9900.541.665006	SIDEWALK AND CURB REPLACEMENT	30,000	-	30,000	10,000	30,000	10,000	30,000	-
304.9900.541.665007	BAHIA MAR CURB REPAIR AND IMPROVEMENTS	20,000	-	20,000	-	-	-	-	-
304.9900.541.665008	RADAR SPEED DETECTION SIGNS	10,000	-	10,000	12,000	-	-	-	-
304.9900.541.665009	PW COMPOUND ROOF REPAIRS	100,000	-	100,000	100,000	-	-	-	-
304.9900.541.6_____	CONN BEACH BOARDWALK REPAIRS	-	-	-	100,000	200,000	200,000	200,000	200,000
304.9900.541.6_____	PARK AVENUE SPEED TABLES	-	-	-	10,000	-	-	-	-
304.9900.541.6_____	JC PARK A1A ACCESS DRIVEWAY	-	-	-	20,000	-	-	-	-
STORMWATER									
304.9900.541.665005	SECONDARY DRAINAGE	30,000	-	30,000	25,000	25,000	25,000	25,000	25,000
304.9900.541.617002	STORMWATER CULVERT REPLACEMENTS	350,500	-	350,500	350,000	300,000	300,000	250,000	250,000
304.9900.541.617003	27TH AVENUE HEADWALL OUTFALL REPLACEMENT	145,000	(16,450)	128,550	-	-	-	-	-
304.9900.541.617004	TOWNSIDE CULVERT INSPECTION AND REPAIRS	50,000	-	50,000	260,000	-	-	-	-
304.9900.541.617005	TURTLE COVE IMPROVEMENTS	-	-	-	10,000	-	-	-	-
304.9900.541.617006	HUMISTON OUTFALL FLAP VALVE	15,000	-	15,000	-	-	-	-	-
304.9900.541.617____	LAGOON LEGACY - FOOT ISLAND SHORELINE (IRC/State Appropriation)	-	-	-	2,000	-	-	-	-
304.9900.541.617____	STORMWATER MAINTENANCE & IMPROVEMENTS	-	-	-	120,000	150,000	150,000	200,000	200,000
304.9900.541.617____	LATERAL "E" DRAINAGE BASIN IMPROVEMENTS	-	-	-	50,000	100,000	850,000	-	-
RECREATION									
304.9900.572.611005	ROYAL PALM POINTE IMPROVEMENTS	-	-	-	40,000	-	-	-	-
304.9900.572.615030	PLAYGROUND EQUIPMENT	-	-	-	-	42,000	-	-	90,000
304.9900.572.615031	LEISURE SQUARE IMPROVEMENTS	40,000	70,000	110,000	60,000	-	50,000	-	42,000
304.9900.572.616012	COMMUNITY CENTER IMPROVEMENTS	252,000	(196,000)	56,000	90,000	80,000	-	-	60,000
304.9900.572.616013	RIVERHOUSE IMPROVEMENTS	30,000	(30,000)	-	-	-	-	-	-
304.9900.572.616014	BETHEL CREEK HOUSE IMPROVEMENTS	30,000	-	30,000	-	-	-	-	-
304.9900.572.616015	RACQUETBALL/PRO SHOP IMPROVEMENTS	-	-	-	-	-	60,000	-	-
304.9900.572.____	BEACH LIFEGUARD TOWERS AND SHED	-	-	-	-	250,000	-	120,000	-
304.9900.572.616017	GRAND DOWNEY PAVILION RIVERSIDE PARK	25,000	(25,000)	-	-	-	-	-	-
304.9900.572.615029	CENTERSTAGE IMPROVEMENTS	-	-	-	30,000	60,000	-	-	-
304.9900.5xx	TRANSFER TO MARINA RESTROOM PROJECT	-	37,000	37,000	-	-	-	-	-
Total Expenditures		4,882,284		5,094,002	3,724,683	3,035,298	3,559,549	3,025,579	3,408,821
Excess (Deficiency) of Revenues over Expenditures		(927,768)		(1,815,351)	1,031,117	136,894	(76,719)	312,793	290,654
ENDING FUND BALANCE (SEPTEMBER 30)		288,056		587,061	1,618,178	1,755,072	1,678,353	1,991,146	2,281,800
<i>FUND BALANCE RESERVED FOR LATERAL 'E' DRAINAGE BASIN IMPRVMTS</i>					<i>1,175,000</i>	<i>1,075,000</i>	<i>650,000</i>	<i>650,000</i>	<i>650,000</i>
<i>REMAINING FUND BALANCE AVAILABLE FOR ALL OTHER CAPITAL PROJECTS</i>					<i>443,178</i>	<i>680,072</i>	<i>1,028,353</i>	<i>1,341,146</i>	<i>1,631,800</i>

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

**UNFUNDED PROJECTS
FUND 304: General Government Capital and Construction**

Account Number	Account Name	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	Total 5 Year Reduction
POLICE							
304.9900.521._____	VBPD POLICE PISTOL RANGE IMPROVEMENTS	-	190,500	389,800	-	-	580,300
LESS:	CONTRIBUTIONS FROM PRIVATE SOURCES-POLICE PISTOL RANGE	-	(100,000)	-	-	-	(100,000)
PUBLIC WORKS							
304.9900.541.665002	ANNUAL STREET RESURFACING	275,000	275,000	275,000	225,000	125,000	1,175,000
304.9900.541.6_____	CONN BEACH BOARDWALK REPAIRS	100,000	-	-	-	-	100,000
304.9900.541.6_____	SR 60 LANE ELIMINATION - 20th AVE TO FEC RAILROAD	-	-	-	500,000	-	500,000
304.9900.541.6_____	HUMISTON BOARDWALK REPLACEMENT	-	-	500,000	500,000	-	1,000,000
STORMWATER							
304.9900.541.617___	STORMWATER MAINTENANCE & IMPROVEMENTS (see attached detail)	125,000	570,000	337,000	285,000	400,000	1,717,000
RECREATION							
304.9900.572.615031	LEISURE SQUARE IMPROVEMENTS	-	145,000	-	-	-	145,000
304.9900.572.616012	COMMUNITY CENTER IMPROVEMENTS	-	-	10,000	-	-	10,000
304.9900.572.616015	RACQUETBALL PRO SHOP IMPROVEMENTS	50,000	-	-	-	-	50,000
Total (Net) Unfunded Projects		550,000	1,080,500	1,511,800	1,510,000	525,000	5,177,300

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

**FUND 304: General Government Capital and Construction
DETAIL - UNFUNDED STORMWATER MAINTENANCE AND IMPROVEMENT PROJECTS**

Account Number	Account Name	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
STORMWATER						
304.9900.541.617__	ROYAL PARK OUTFALL REPAIRS	50,000				
304.9900.541.617__	MIRACLE MILE OUTFALL REPAIRS	75,000				
304.9900.541.617__	33RD AVE WEST BACKLOT DRAINAGE IMPROVEMENTS		125,000			
304.9900.541.617__	32ND AVE EAST BACKLOT DRAINAGE IMPROVEMENTS		75,000			
304.9900.541.617__	CARISSA DR DRAINAGE IMPROVEMENTS		140,000			
304.9900.541.617__	PONCE DE LEON DRAINAGE IMPROVEMENTS		100,000			
304.9900.541.617__	GARDENIA LANE DRAINAGE IMPROVEMENTS		30,000			-
304.9900.541.617__	DATE PALM DRAINAGE IMPROVEMENTS - MOCKINGBIRD TO A1A		25,000			-
304.9900.541.617__	MCANSH PARK DRAINAGE REPAIRS		75,000			-
304.9900.541.617__	41ST AVE DRAINAGE IMPROVEMENTS	-	-	140,000	-	-
304.9900.541.617__	BAY OAK LANE IMPROVEMENTS	-	-	22,000	-	-
304.9900.541.617__	28TH AVE DRAINAGE IMPROVEMENTS 1800-1900 BLOCKS			125,000		-
304.9900.541.617__	OAKMONT PARK 18TH ST OUTFALL REPAIRS			50,000		-
304.9900.541.617__	34TH AVE WEST BACKLOT IMPROVEMENTS 1400-1600 BLOCKS				135,000	
304.9900.541.617__	31ST AVE DRAINAGE IMPROVEMENTS 2100 BLOCK				75,000	
304.9900.541.617__	22ND PL DRAINAGE IMPROVEMENTS 700 BLOCK				75,000	
304.9900.541.617__	41ST AVE DRAINAGE IMPROVEMENTS 2000 BLOCK					100,000
304.9900.541.617__	40TH AVE DRAINAGE IMPROVEMENTS 2000 BLOCK					100,000
304.9900.541.617__	34TH AVE DRAINAGE IMPROVEMENTS 20TH ST TO ATLANTIC					150,000
304.9900.541.617__	29TH AVE DRAINAGE IMPROVEMENTS 1700 BLOCK					50,000
Total Unfunded Stormwater Maintenance & Improvements		\$ 125,000	\$ 570,000	\$ 337,000	\$ 285,000	\$ 400,000

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Police

PROJECT NAME Police Vehicles Lease-Purchase Acquisition/Debt Service
ACCOUNT # 304.9900.521.610008 / 304.9900.521.610011

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 253,000 to \$ 641,220 **GRANT FUNDING** Amount \$ -
annual recurring Source/Agency N/A

PROJECT LOCATION
 Police Department patrol fleet

PROJECT DESCRIPTION
 Replace marked patrol units that are ready for destruction per replacement schedule using five year municipal lease-purchase financing

JUSTIFICATION
 The Vero Beach Police Department did not replace any marked patrol vehicles in the 2010-2011, 2011-2012 or 2012-2013 budget years. We currently have 8 marked patrol vehicles that have over 110,000 miles and that are 9-14 years old. We have had to replace some transmissions in the vehicles at costs of around \$1,500.00 that is more than the vehicles are worth. In addition, with the reduction in staff members and the increase in uniform patrol officers there is a need for additional marked patrol vehicles for these additional uniformed patrol officers.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction				
DEPARTMENT	Police				
	Current Vehicle			Replacement Vehicle	
	Vehicle #	Use	Description	Purchase Price	Increase to Debt Svc
2018-2019	S-07	Detective Lt.	2011 Chevy Impala	31,000	
	S-09	Detective	211 Dodge Charger	31,000	
	S-50	Training Sgt.	2008 Mercury Grd Marquis	31,000	
	S-47	Detective	2010 Ford Fusion	31,000	
	S-55	SIU	2009 Ford Mustang	31,000	
	S-57	Marked Patrol	2010 Ford Crown Victoria	49,000	
	S-58	Marked Patrol	2010 Ford Crown Victoria	49,000	
	New	New Officer		49,000	
	New	New Officer		49,000	
			Subtotal	\$ 351,000	\$ 78,844
2019-2020	S-15	Marked Patrol	2011 Ford Crown Victoria	46,288	
	S-17	Marked Patrol	2011 Ford Crown Victoria	46,288	
	S-22	Marked Patrol	2011 Ford Crown Victoria	46,288	
	S-61	Marked Traffic	2011 Kawasaki Motorcycle	27,876	
	S-62	Marked Traffic	2011 Kawasaki Motorcycle	27,876	
	S-16		2009 Pathfinder Boat	60,000	
			Subtotal	\$ 254,616	\$ 57,194
2020-2021	S-12	Mkd Patrol-Sup	2014 Dodge Charger	49,000	
	S-14	Marked Patrol	2014 Dodge Charger	49,000	
	S-18	Marked Patrol	2014 Dodge Charger	49,000	
	S-35	Marked Patrol	2015 Dodge Charger	49,000	
	S-39	Mkd Patrol-Sup	2015 Dodge Charger	49,000	
	S-41	Mkd Patrol-Sup	2015 Dodge Charger	49,000	
	S-42	Marked Patrol	2015 Dodge Charger	49,000	
	S-44	Marked Patrol	2015 Dodge Charger	49,000	
				Subtotal	\$ 392,000
2021-2022	S-59	Marked Patrol	2016 Dodge Charger	49,000	
	S-63	Mkd Patrol-Sup	2016 Dodge Charger	49,000	
	S-87	Marked Patrol	2016 Dodge Charger	49,000	
	S-29	Mkd Patrol-Sup	2015 Dodge Charger	49,000	
	S-30	Mkd Patrol-Sup	2015 Dodge Charger	49,000	
	S-31	Mkd Patrol-Sup	2015 Dodge Charger	49,000	
	S-32	Marked Patrol	2015 Dodge Charger	49,000	
	S-11	Marked Patrol	2015 Dodge Charger	49,000	
	S-13	Mkd Patrol-Sup	2015 Dodge Charger	49,000	
			Subtotal	\$ 441,000	\$ 99,061
2022-2023	S-2	Unmarked Lt.	2014 Dodge Charger	33,000	
	S-26	Unmarked Lt.	2014 Dodge Charger	33,000	
	S-24	Detective	2015 Ford Taurus	30,000	
	S-51	Detective	2015 Ford Taurus	30,000	
	S-28	Marked Patrol	2015 Dodge Charger	49,000	
	S-1	Code Enforce	2015 Nissan Van	30,500	
	S-4	Code Enforce	2015 Nissan Van	30,500	
	S-51	Parking Enforce	2015 Jeep Wrangler	40,000	
	S-23	Animal Control	2015 Ford F-250	41,000	
	S-56	Crime Scene	2015 GMC Savana	30,000	
	S-53	Marked Patrol	2016 Dodge Charger	49,000	
	S-3		2016 Honda Pioneer	15,000	
	S-25	Crime Scene	2016 Ford Taurus	30,000	
	S-20	Marked Patrol	2017 Dodge Charger	49,000	
				Subtotal	\$ 490,000

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction		
DEPARTMENT	Police		

PROJECT NAME VBPD Vehicle Mobile Radio Replacement
ACCOUNT # 304.9900.521.610013

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 117,990 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Vero Beach Police Department

PROJECT DESCRIPTION
 A 3 year project to replace existing in-car 800 MHz mobile radios with 700 MHz system

JUSTIFICATION
 By 2020 all Public Safety and Government agencies in Indian River County are mandated to become P25 compliant, and radio frequencies will be moved from 800MHz to 700MHz frequency band. This project will require replacement of all portable and mobile radios. This is year one of three in the replacement plan.

PROJECT NAME VBPD Roof Replacement and Window Upgrades (HMGP Grant)
ACCOUNT # 304.9900.521.610015

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 700,000 **GRANT FUNDING** Amount \$ 525,000
 Source/Agency HMGP

PROJECT LOCATION
 Vero Beach Police Department

PROJECT DESCRIPTION
 Replace the 30 year old roof and upgrade to exceed the current minimum design standards. Additionally, replace the existing windows and main entrance doors with impact rated materials.

JUSTIFICATION
 The Police Department serves as the City's Emergency Operations Center which houses essential personnel during a hurricane. We have applied for a Hazard Mitigation Grant Program (HMGP) to replace and upgrade the existing roof which is 30 years old and at the end of it's service life. We have also included upgrading the windows to impact rated systems which provides additional hardening of the building. Currently shutters are installed which takes 10-12 men and two bucket trucks most of a day to install before a storm.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Vehicles - Fleet and Streets/Stormwater

PROJECT NAME Streets/Stormwater Vehicle Purchase (Replacement)
ACCOUNT # 304.9900.541.616008

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST See schedule below **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 N/A

PROJECT DESCRIPTION
 Replace Streets Heavy Equipment per attached schedule

JUSTIFICATION
 Needed to facilitate Public Works Maintenance and Construction

		Current Vehicle		Replacement Vehicle		
		Vehicle #	Dept	Description	Description	Purchase Price
2019-2020		373	Streets	2002 Streling Dump Truck	Dump Truck - L7500	89,000
		308	Streets	2003 Frghtlnr Dump Truck	Dump Truck - FL80	97,000
		3034	Streets	2008 John Deere Excavator	Excavator - 27D	58,000
					Subtotal	\$ 244,000
2020-2021		374	Streets	1999 Leeboy Grader	Grader - 685T	\$ 200,000
2021-2022		396	Streets	2004 Catapillar Whl Loader	Wheel Loader - 938	\$ 220,000
2022-2023		392	Streets	2004 Intl Sif Load Trash Trk	Sif Load Trash Trk - DT 466	145,000
		394	Streets	2004 Ford Flatbed Truck	Flatbed Truck - F754	75,000
				Subtotal	\$ 220,000	

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Vehicles - Fleet and Streets/Stormwater

PROJECT NAME Streets/Stormwater Vehicle Lease-Purchase Acquisition / Debt Service
ACCOUNT # 304.9900.541.613003 / 304.9900.541.641411

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST See schedule below **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION

N/A

PROJECT DESCRIPTION

Replace Streets Heavy Equipment using municipal lease purchase financing per attached schedule

JUSTIFICATION

Needed to facilitate Public Works Maintenance and Construction

Current Vehicle			Replacement Vehicle		
Vehicle #	Dept	Description	Description	Purchase Price	Increase to Debt Svc
2022-2023	Streets	2018 Tymco Strt Sweeper	Street Sweeper - 600	\$ 240,000	\$ 53,911

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Vehicles - Fleet and Streets/Stormwater

		Current Vehicle		Replacement Vehicle			
		Vehicle #	Dept	Description	Description	Purchase Price	Increase to Debt Svc
2018-2019	40-4200	Grounds	2006 Ford F350 1 Ton Dump	DUMP 2/3 YD	37,300		
	12-4197	Grounds	2006 Chevy 1/2 Ton 4x2	LT PICKUP 1/2T	25,000		
	12-4198	Grounds	2006 Chevy 1/2 Ton 4x2	LT PICKUP 1/2T	25,000		
	12-737	Facilities	2006 Ford F250 3/4 Ton4x2	LT UTILITY 3/4T	36,700		
	14-114	Survey	2007 Ford E250 3/4Ton Van	VAN CARGO 3/4T	32,100		
	12-738	Facilities	2007 Ford F250 3/4 Ton4x2	LT UTILITY 34T	36,700		
				Subtotal		\$ 192,800	\$ 43,308
2019-2020	12-2037	Stormwtr	2008 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T	29,900		
	12-113	Survey	2006 Chevy 1/2 Ton Reg 4x2	LT PICKUP 1/2T	27,500		
	20-904	Traffic	2008 Ford F350 1 Ton Flatbd	FLATBED 1T	43,138		
	40-4220	Grounds	2008 Ford F350 1 Ton Cab Cha	DUMP 2/3 YD	43,138		
	12-4222	Grounds	3/4 Ton Pickup Reg 4x2	LT PICKUP 3/4T	29,900		
			Subtotal		\$ 173,576	\$ 38,990	
2020-2021	12-4244	Grounds	2008 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T	29,900		
	12-4245	Grounds	2008 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T	29,900		
	12-4246	Grounds	2008 Ford F250 3/4 Ton 4x2	UTILITY BODY	36,637		
	12-2044	Stormwtr	2009 Ford F350 1 Ton 4x2	UTILITY	38,000		
	12-4268	Grounds	2009 Chevy Compact 4x2	LT PICKUP 1/2T	28,376		
	14-745	Facilities	2009 Ford E250 3/4 Ton Van	VAN CARGO 3/4T	32,017		
			Subtotal		\$ 194,830	\$ 43,764	
2021-2022	12-4372	Grounds	2015 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T	30,770		
	12-724	Facilities	2015 Ford F150 Compact 4x2	LT PICKUP 1/2T	28,376		
	14-AP10	Warehouse	2015 Ford Transit Connect	FORD TRANSIT CONNECT	30,087		
	10-641	Garage	2015 Ford Fusion Mid Sedan	FORD FUSION	26,060		
	12-3076	Streets	2015 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T	30,770		
	12-4371	Grounds	2015 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T	30,770		
	12-4369	Grounds	2015 Ford F150 1/2 Ton 4x2	LT PICKUP 1/2T	28,376		
	12-4373	Grounds	2015 Ford F150 1/2 Ton 4x2	LT PICKUP 1/2T	28,376		
			Subtotal		\$ 233,585	\$ 52,470	
2021-2022	40-4176	Grounds	2016 Ford F350 1 Ton Dump	DUMP 2/3YD	43,138		
	12-4090	Grounds	2016 Ford F250 3/4 Ton 4x2	LT PICKUP 1/2T	25,796		
	12-4091	Grounds	2016 Ford F250 3/4 Ton 4x2	LT PICKUP 1/2T	25,796		
	12-217	Stormwtr	2016 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T	30,770		
	12-4111	Grounds	2016 Ford F150 1/2 Ton 4x2	LT PICKUP 1/2T	25,796		
	12-4113	Grounds	2016 GMC 1500 1/2 Ton 4x2	LT PICKUP 1/2T	25,796		
	12-925	Traffic	2016 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T 4 door	26,180		
	12-4126	Grounds	2016 Ford F150 1/2 Ton 4x2	LT PICKUP 1/2T	25,796		
	12-728	Facilities	2016 Ford F250 3/4 Ton 4x2	LT UTILITY 3/4T	40,000		
	12-2007	Stormwtr	2016 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T	30,770		
	12-388	Streets	2016 Ford F250 3/4 Ton 4x2	LT UTILITY 3/4T	36,637		
				Subtotal		\$ 336,475	\$ 75,581

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Vehicles - Fleet and Streets/Stormwater

PROJECT NAME Recreation Vehicle Lease-Purchase Acquisition / Debt Service
ACCOUNT # 304.9900.572.641413/ 304.9900.572.641414

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST See schedule below **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 N/A

PROJECT DESCRIPTION
 Replace existing light vehicles through a lease-purchase program per attached schedule.

JUSTIFICATION
 By using a lease-purchase program we predict that over a 10 year period the City will save approximately \$800,000 City-wide over the current practice of keeping vehicles for 15 years. Savings will be achieved through reductions in maintenance, repairs, fuel usage and increased value when vehicles are sold.

Current Vehicle			Replacement Vehicle		
Vehicle #	Dept	Description	Description	Purchase Price	Increase to Debt Svc
2021-2022	14-R29X	Recreation 2015 Ford E250 3/4 Ton Van	VAN CARGO 3/4T	32,017	
	12-R20	Recreation 2015 Ford F250 3/4 Ton 4x2	LT PICKUP 3/4T	30,770	
			Subtotal	\$ 62,787	\$ 14,103

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction		
DEPARTMENT	Public Works		

PROJECT NAME New Sidewalk Construction
ACCOUNT # 304.9900.541.608005

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 185,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Various Locations

PROJECT DESCRIPTION
 2017-2018 - Live Oak and Indian River Drive East from Mockingbird to Greytwig. \$170,000
 2018-2019 - Construct sidewalk along 18th ST ROW from US1 to 6th Ave. \$15,000

JUSTIFICATION

The Central Beach area along Live Oak and IR Drive generate pedestrian traffic. The project will connect sidewalk that already exists on IR Drive from Beachland to Greytwig and extend that sidewalk all the way to A1A. Separating pedestrians from the roadway will improve safety along the project corridor and provide a safe walkway for pedestrians that connects A1A to Beachland Blvd through the Central Beach neighborhood. Requests have been made by some ADA users in local residences. Improved safety for pedestrians in the area. Commercial infill has placed sidewalk along stretches of ROW with residential portions remaining without sidewalk. This will connect the existing sidewalk from 6th Ave to US 1.

PROJECT NAME Air Conditioner Replacements-Citywide (Various Locations)
ACCOUNT # 304.9900.541.615062

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 40,000 Annual Recurring **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Various

PROJECT DESCRIPTION
 2018-2019 - City Hall Purchasing 5 ton, PW Fleet Office 4 ton , PW Admin 5 ton, PW Facilities Maintenance 5 ton, Community Center 5 ton, Dodgertown Recreation Storage Bldg 10 ton

JUSTIFICATION

Air conditioner units are approximately 20 years old.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction		
DEPARTMENT	Public Works		

PROJECT NAME Replace Traffic Signals 26th St (26th St and US#1 and St. Lucie Avenue)
ACCOUNT # 304.9900.541.616017

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 250,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 26th Street intersection with US #1 and St. Lucie Avenue

PROJECT DESCRIPTION
 20/21 Replace existing Traffic Signals - \$125,000
 21/22 Replace existing Traffic Signals - \$125,000

JUSTIFICATION
 Existing mast arms are nearing the end of their service life. In addition, All Aboard Florida will be replacing 4 of the 9 signals with the crossing improvements.



PROJECT NAME Annual Street Resurfacing
ACCOUNT # 304.9900.541.665002

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 350,000 to \$ 677,402 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various

PROJECT DESCRIPTION
 Maintain existing streets, alleys and city owned parking lots throughout Vero Beach by various methods including resurfacing, milling, microsurfacing and application of rejuvenator products.

JUSTIFICATION
 To keep pavement surfaces in good condition.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Public Works

PROJECT NAME Sidewalk and Curb Replacement
ACCOUNT # 304.9900.541.665006

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 10,000 to \$ 30,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various

PROJECT DESCRIPTION
 Make repairs to existing sidewalks and curbs.

JUSTIFICATION
 To keep sidewalks and curbs functional and safe.

PROJECT NAME Radar Speed Detection Signs
ACCOUNT # 304.9900.541.665008

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 22,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Various

PROJECT DESCRIPTION
 This project will provide 3 radar speed detection signs to be used at various locations where we have ongoing speeding complaints. One will be added at Live Oak Rd, across from the existing sign, for eastbound traffic. The other 2 will be used at various locations based on speeding complaints.

JUSTIFICATION
 Public Works receives frequent complaints from residents with requests for traffic calming. Radar Speed Detection Signs are a traffic calming technique that alerts speeding motorists to slow down. The signs will be solar powered so they can easily be moved to another location as needed.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction		
DEPARTMENT	Public Works		

PROJECT NAME Public Works Compound Buildings Roofs
ACCOUNT # 304.9900.541.665009

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 200,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 3405 Airport West Drive. Public Works metal buildings roofs.

PROJECT DESCRIPTION
 2017-2018 Evaluation and design and begin repairs. \$100,000
 2018 -2019 Continue repair or replacement. \$100,000

JUSTIFICATION
 Building roofs are 27 years old and have some leaks due to rust of the metal roof panels

PROJECT NAME Conn Beach Boardwalk Repairs
ACCOUNT # 304.9900.541.6_____

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 900,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Conn Beach and JC Park Boardwalks

PROJECT DESCRIPTION
 Replace support stringers, bents, decking of the boardwalk and lighting improvements.
2018-2019 \$100,000
2019-2020 \$200,000
2020-2021 \$200,000
2021-2022 \$200,000
2022-2023 \$200,000

JUSTIFICATION
 The Conn Beach Boardwalk is one of the biggest recreational assets in the City utilized by locals and visitors since originally constructed in 1984. While the boardwalk has weathered the storm several times it is now time to replace the support boards below the decking. The main piles appear to be in good condition but many of the bents and stringers have cracked and the connecting bolts have rusted and are in need of replacement. Lighting is also obsolete and in need of replacement.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction		
DEPARTMENT	Public Works		

PROJECT NAME Park Avenue Speed Tables
ACCOUNT # 304.9900.541.6_____

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 10,000 **GRANT FUNDING** Amount \$ 5,000
 Source/Agency Park Avenue Residents

PROJECT LOCATION
 Park Avenue

PROJECT DESCRIPTION
 Placement of two speed tables on Park Avenue for Traffic Calming.

JUSTIFICATION

Based on resident support and traffic studies, residents on Park Avenue meet the requirements specified in our neighborhood traffic calming policy for installation of speed tables.



PROJECT NAME Jaycee Park A1A Beach Access Driveway
ACCOUNT # 304.9900.541._____

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 20,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 North end of Jaycee Park at A1A

PROJECT DESCRIPTION
 Construction of an improved driveway at a beach access at Jaycee Park used by emergency services, sand delivery trucks, and construction equipment.

JUSTIFICATION

The City maintains a 20' wide access from A1A to the Beach along the north side of Jaycee Park. This access is needed for dump truck sand deliveries and for other emergency services that may need to access the beach with a large vehicle. The access off of A1A is not improved and can not carry heavy vehicles. The driveway needs to be formalized and improved with a concrete driveway.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Stormwater

PROJECT NAME Secondary Drainage
ACCOUNT # 304.9900.541.665005

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 25,000 to \$ 30,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various

PROJECT DESCRIPTION
 Repair/ Replace drainage structures, culverts and headwalls throughout the City.

JUSTIFICATION
 To keep the drainage system functional.

PROJECT NAME	Stormwater Culvert Replacements
ACCOUNT #	304.9900.541.617002

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 250,000 to \$ 350,500 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various

PROJECT DESCRIPTION
 Replace failed culverts in various locations as follows:

Culvert Replacement 1400 Block of 31st Ave.	75,000
Culvert Replacement 1400 Block of 29th Ave.	30,000
Culvert Replacement under 26th Street East of 43rd Ave.	36,000
14th Ave Between 17th Place and 17th Street	34,500
Culvert Replacement Under 16th Street East of 41st Ave.	35,000
Culvert replacement Under 16th Street West of 32nd Ave.	35,000
Culvert replacement Between Ponce De Leon and 10th Ave.	95,000
Culvert Replacement Under 16th Place East of Old Dixie Hwy.	9,500
	<hr/>
2018-2019	\$ 350,000
2019-2020	\$300,000
2020-2021	\$300,000
2021-2022	\$250,000
2022-2023	\$250,000

JUSTIFICATION
 Existing culverts have failed. They need to be replaced to maintain in the neighborhood drainage.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction		
DEPARTMENT	Stormwater		

PROJECT NAME Townside Culvert TV Inspection and Repairs
ACCOUNT # 304.9900.541.617004

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 360,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Townside Drainage Culvert from 16th Street to 26th Street

PROJECT DESCRIPTION
 This project will consist of a closed circuit televisions (CCTV) inspection of the Townside Drainage System main trunk line. The inspection will also provide a report as to the current status of the townside system and where failures have occurred or may occur in the near future. Repairs to be done by pipe lining.
2016 -2017 \$50,000 began inspection and repairs to approximately 1/3rd of the system.
2017 - 2018 \$50,000 continued inspection and repairs to approximately 1/3rd of the system.
2018 - 2019 \$260,000 complete inspection and lining/repair of remainder of system.

JUSTIFICATION
 The Townside Culvert is a crucial piece of drainage infrastructure for the City that provides drainage for over 230 acres of land. A TV inspection of the pipe will provide a meaningful baseline for the condition of the pipe network and will allow the City to budget future repairs more efficiently. Portions of the pipe run underneath private property and near buildings. A complete pipe failure would require open trench excavation to repair the pipe, whereas pipe lining will be used to repair and strengthen the pipe in place without requiring excavation. In addition, the City no longer has CCTV inspection equipment nor the manpower to conduct the inspection.

PROJECT NAME Turtle Cove Improvements
ACCOUNT # 304.9900.541.617005

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 10,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Turtle Cove west of A.1.A.

PROJECT DESCRIPTION
 Construct a positive outfall to Club Drive in order to drain the perc system on Turtle Cove.

JUSTIFICATION
 Existing perc system is too small causing the road to flood.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Stormwater

PROJECT NAME Foot Island Stabilization Project
ACCOUNT # 304.9900.541.6 _____

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 2,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Old Barber Bridge Pier Foot Island in Indian River Lagoon

PROJECT DESCRIPTION
 Stabilization of Foot Island Shore with living shoreline. Embankment to be composed of oyster reef, rocks, and native plants. Indian River County has obtained a legislative appropriation for the majority of the funding.

JUSTIFICATION
 This project will stabilize an eroding spoil island that previously was used as a footing for the Old Barber Bridge. The oyster and other living elements of the shore line are intended to filter nutrients within the Lagoon Water and help aid in the restoration of the River. Project is part of Lagoon Legacy Initiative.

PROJECT NAME Stormwater Maintenance and Improvements
ACCOUNT # 304.9900.541. _____

TYPE OF EXPENSE
 New x Repair/Refurbish x Replace x

TOTAL PROJECT COST \$ 820,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
2018-2019 \$120,000 Shore Drive west of Tradewinds Rd.
2019-2020 \$150,000 12th Ave - Royal Palm to 29th St, 33rd Ave - 2000 block
2020-2021 \$150,000 26th St - Country Club to Fairway, 20th Ave - 2200 block, 40th Ave - 15th St
2021-2022 \$200,000 25th Ave - 1600/1700 blocks, Leon Ave and Royal Palm
2022-2023 \$200,000 26th Ave - 1800 block, 33rd Ave - 1700 block

PROJECT DESCRIPTION
 2018-2019 Repair existing drainage, add new drainage and construct treatment systems on the two outfalls on Shore Drive. Reconstruct roadway where needed and overlay with asphalt.

JUSTIFICATION
 2018-2019 The road is flooding and water stands on the road for a long period of time after a rainfall which is causing the roadway to fail.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Recreation

PROJECT NAME Royal Palm Pointe Improvements
ACCOUNT # 304.9900.572.611005

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 40,000 **GRANT FUNDING** Amount \$ 40,000
 Source/Agency Whitaker Trust

PROJECT LOCATION
 Royal Palm Pointe Fountain

PROJECT DESCRIPTION
 2018/2019 Building, Rail and Tile reconstruction.

JUSTIFICATION
 2018/2019 Due to wear 16 year old building, rails and tile have to be reconstructed and painted.

PROJECT NAME Playground Equipment
ACCOUNT # 304.9900.572.615030

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 132,000 **GRANT FUNDING** Amount \$ 132,000
 Source/Agency Whitaker Trust

PROJECT LOCATION
 Troy Moody Park and Charles Park

PROJECT DESCRIPTION
2018/2019 Playground replacement at Troy Moody Park
2022/2023 Playground replacement at Charles Park.

JUSTIFICATION
2018/2019 Wear and tear of playground from 2002 will need to be replaced.
2022/2023 Wear and tear of playground will need to be replaced.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Recreation

PROJECT NAME Leisure Square Improvements
ACCOUNT # 304.9900.572.615031

TYPE OF EXPENSE
 New x Repair/Refurbish x Replace x

TOTAL PROJECT COST \$ 262,000 **GRANT FUNDING** Amount \$ 42,000
 Source/Agency Whitaker Trust

PROJECT LOCATION
 Leisure Square

PROJECT DESCRIPTION
2018/2019 Inside of office area and lobby needs to be done.
2020/2021 Exercise and weight room renovated.
2022/2023 Playground replaced.

JUSTIFICATION
2018/2019 Major repairs and renovations to real property is necessary which will materially extend its useful life
2020/2021 Major repairs and renovations to real property is necessary which will materially extend its useful life
2022/2023 The playground is going to need to be replaced due to long term wear.

PROJECT NAME Community Center Improvements
ACCOUNT # 304.9900.572.616012

TYPE OF EXPENSE
 New x Repair/Refurbish x Replace x

TOTAL PROJECT COST \$ 286,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Community Center

PROJECT DESCRIPTION
2018/2019 Roof Repair, bathroom renovations and electrical wiring work redone
2019/2020 Interior work including Accordion Dividers, flooring in kitchen and hallways
2022/2023 Kitchen sinks and cabinets replaced.

JUSTIFICATION
2018/2019 Major repairs and renovations to real property is needed and will extend its life
2019/2020 Divider enclosures cracked, flooring in kitchen & hallways outdated and beginning to crack.
2022/2023 Major repairs and renovations to real property is needed and will extend its life

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	304 - General Government Capital and Construction
DEPARTMENT	Recreation

PROJECT NAME Racquetball/Pro Shop Improvements
ACCOUNT # 304.9900.572.616015

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 60,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Riverside Tennis Complex

PROJECT DESCRIPTION
2020/2021 10 courts will need to be resurfaced.

JUSTIFICATION
2020/2021 Major repairs and renovations to real property is needed and will materially extend its useful life.

PROJECT NAME Lifeguard Towers and Storage Shed
ACCOUNT # 304.9900.572.6_____

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 370,000 **GRANT FUNDING** Amount \$ 370,000
 Source/Agency *Public Donations (\$250,000)*
Whitaker Trust (\$120,000)

PROJECT LOCATION
 Humiston, South Beach and Jaycee Beach Parks

PROJECT DESCRIPTION
2019/2020 Tower and command center at Humiston Park.
2021/2022 Towers will need to be replaced due to wear and tear.

JUSTIFICATION
2019/2020 Outdated and ineffective tower at Humiston will be replaced with a new tower and command center.
2021/2022 Major repairs and renovations to real property is necessary which will materially extends its useful life.

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

FUND 311: Infrastructure & Real Estate Improvements

Account Number	Account Name	FY 17-18	FY 17-18	AMENDED	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
		ORIGINAL BUDGET	BUDGET (DECREASE)	FY 17-18 BUDGET					
FUND BALANCE FORWARD (OCTOBER 1)		476,539		Audited 501,647	212,864	237,145	268,907	293,304	325,593
REVENUES									
311.0000.312.060100	1 CENT SALES TAX	2,300,139	-	2,300,139	2,580,224	2,595,705	2,611,280	2,626,947	2,642,709
311.0000.361.010200	INTEREST ON INVESTMENTS	5,000	-	5,000	500	400	300	300	300
311.0000.389._____	XFR FROM ELECTRIC UTILITY (SALE PROCEEDS)				5,098,000	-	-	-	-
Total Revenues		2,305,139	-	2,305,139	7,678,724	2,596,105	2,611,580	2,627,247	2,643,009
EXPENDITURES									
311.9900.519.991061	DEBT SERVICE TRANSFER SERIES 2007B-2	662,442	-	662,442	5,098,000	-	-	-	-
311.9900.521.991064	DEBT SERVICE TRANSFER SERIES 2016	112,480	-	112,480	115,443	113,343	116,182	113,959	116,674
304.9900.521.610009	TRANSFER TO 304 FOR INFRASTRUCTURE	1,819,000	-	1,819,000	2,441,000	2,451,000	2,471,000	2,481,000	2,501,000
Total Expenditures		2,593,922	-	2,593,922	7,654,443	2,564,343	2,587,182	2,594,959	2,617,674
Excess (Deficiency) of Revenues over Expenditures		(288,783)	-	(288,783)	24,281	31,762	24,398	32,288	25,335
ENDING FUND BALANCE (SEPTEMBER 30)		187,756		212,864	237,145	268,907	293,304	325,593	350,928



**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

FUND 423: Water Sewer R/R Fund

Account Number	Account Name	FY 17-18 ORIGINAL BUDGET	FY 17-18 BUDGET INCREASE (DECREASE)	FY 17-18 AMENDED BUDGET	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
FUND BALANCE FORWARD (OCTOBER 1)		3,964,778		<i>Audited</i> 5,805,111	4,607,877	577,019	298,041	613,840	650,104
REVENUES									
423.0000.334.310001	RO WTR TRTMNT FAC EXP (SJRWMD 28390)	145,000	(25,000)	120,000	-	-	-	-	-
423.0000.334.350000	STEP SERVICE LINES (SJRWMD 28534)	100,000	(85,000)	15,000	-	-	-	-	-
423.0000.343.060900	WATER IMPACT FEES	150,000	25,000	175,000	175,000	175,000	175,000	175,000	175,000
423.0000.343.061000	SEWER IMPACT FEES	110,000	65,000	175,000	125,000	125,000	125,000	125,000	125,000
423.0000.343.061600	WASTEWATER UTILITY EXTENSION CHARGES	5,000	-	5,000	10,000	15,000	20,000	20,000	20,000
423.0000.343.062000	STEP SYSTEM PREPAYMENTS	375,000	100,000	475,000	375,000	275,000	275,000	275,000	275,000
423.0000.361.010100	INTEREST INCOME-SPECIAL ASSESSMENTS	3,000	-	3,000	3,000	3,000	3,000	3,000	3,000
423.0000.363.000100	PENALTY INCOME	500	-	500	500	500	500	500	500
423.0000.365.090150	SALE OF SURPLUS VEHICLES	-	-	-	-	-	10,000	10,000	10,000
423.0000.382.000300	CONTRIBUTION FROM W/S REV FUND	1,700,000	-	1,700,000	1,700,000	2,000,000	1,800,000	1,700,000	1,700,000
423.0000.383.000100	VEHICLE LEASE-PURCHASE PROCEEDS	-	-	-	-	-	46,000	47,000	47,600
423.0000.389.000800	STEP SYSTEM SPECIAL ASSESSMENT REVENUE	1,500	-	1,500	1,500	1,500	1,500	1,500	1,500
Total Revenues		2,590,000	80,000	2,670,000	2,390,000	2,595,000	2,456,000	2,357,000	2,357,600
EXPENDITURES									
WASTEWATER TREATMENT									
423.9000.536.610390	COMPUTERS	6,600	2,000	8,600	-	-	-	-	-
423.9000.536.611334	WASTEWATER TREATMENT PLANT METERS	50,000	(30,000)	20,000	35,000	5,000	5,000	5,000	5,000
423.9000.536.611389	AERATOR HANDRAILS	65,000	(65,000)	-	1,000	-	-	-	-
423.9000.536.611397	SECURITY CAMERA SYSTEM	-	-	-	1,000	-	-	-	-
423.9000.536.613001	PLANT AUTOMATION (OPTIMIZATION STUDY)	80,000	(80,000)	-	1,000	-	-	-	-
423.9000.536.613008	CLEAN 'B' SLUDGE PROCESSING SYSTEM	-	415,000	415,000	-	-	-	-	-
423.9000.536.613371	MAIN LIFT STATION PUMP WWTP	30,000	10,000	40,000	-	-	-	-	-
423.9000.536.614004	PUMP AND MOTOR REPLACEMENT	5,000	6,000	11,000	5,000	5,000	5,000	5,000	5,000
423.9000.536.614005	ELECTRICAL EQUIPMENT REPLACEMENT	5,000	-	5,000	5,000	5,000	5,000	5,000	5,000
423.9000.536.615014	HVAC REPLACEMENT	15,000	8,200	23,200	1,000	1,000	1,000	1,000	1,000
423.9000.536.615016	AUTOMATIC GATE OPENER WITH SECURITY SYSTEM	-	-	-	1,000	-	-	-	-
423.9000.536.615017	VARIABLE FREQUENCY DRIVE (BIOFAN)	10,000	(10,000)	-	1,000	-	-	-	-
423.9000.536.615381	ODOR CONTROL REPLACEMENT	-	-	-	-	1,000	1,000	-	-
423.9000.536.617300	LIFT STATION CONTROL PANELS	-	23,955	23,955	-	-	-	-	-
423.9000.536.641401	NETWORK SYSTEMS UPGRADES (SCADA)	10,000	(10,000)	-	1,000	-	-	-	-
423.9000.536.663380	HEADWORKS BOX REPAIR	285,000	(285,000)	-	35,000	250,000	-	-	-
423.9000.536.669380	BLOWER REPLACEMENT	-	-	-	-	1,000	1,000	-	-
423.9000.536.691371	CONTROL PANEL BREAKERS	15,000	15,000	30,000	1,000	-	-	-	-
423.9000.536.601381	NUTRIENT REDUCTION STUDY	100,000	(75,000)	25,000	1,000	-	-	-	-

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

FUND 423: Water Sewer R/R Fund

Account Number	Account Name	FY 17-18			FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
		FY 17-18 ORIGINAL BUDGET	FY 17-18 BUDGET INCREASE (DECREASE)	FY 17-18 AMENDED BUDGET					
423.9000.536._____	ROTATING DISC FILTERS	-	-	-	-	1,000	1,000	1,000	-
423.9000.536.616045	GROUND STORAGE RESERVOIR PAINTING (3)	95,000	(95,000)	-	1,000	-	-	-	-
423.9000.536.612371	SAND FILTER BACKWASH PUMPS	30,000	-	30,000	-	-	-	-	-
423.9000.536.601391	CHEVY TRAVERSE	25,000	(536)	24,464	-	-	-	-	-
423.9000.536.612372	SAND FILTER BASE CLEANING	45,000	-	45,000	-	-	-	-	-
423.9000.536.616063	JOHN DEERE GATOR	-	-	-	7,000	-	-	-	-
423.9000.536.616065	WWTP REPLACEMENT	-	45,000	45,000	400,000	850,000	650,000	900,000	500,000
WATER TREATMENT									
423.9002.536.602391	EXTERIOR PAINTING OF BUILDINGS	100,000	(100,000)	-	100,000	-	-	-	-
423.9002.536.602392	INTERIOR CEILING COATING AT RO PLANT	25,000	(25,000)	-	-	-	-	-	-
423.9002.536.606311	VARIABLE FREQUENCY DRIVES (HSP 8&9)	-	42,046	42,046	-	-	-	-	-
423.9002.536.608304	DOOR REPLACEMENT	80,000	(80,000)	-	95,000	-	-	-	-
423.9002.536.611305	CAUSTIC TANK REPLACEMENT	15,000	(15,000)	-	15,000	50,000	-	-	-
423.9002.536.611306	FLUORIDE TANK REPLACEMENT	30,000	(30,000)	-	30,000	-	-	-	-
423.9002.536.611334	WATER PLANT AND WELL FIELD METERS	40,000	-	40,000	30,000	30,000	30,000	30,000	30,000
423.9002.536.612310	RO PLANT GENERATOR REPLACEMENT	65,000	(65,000)	-	715,000	-	-	-	-
423.9002.536.614002	WELL FIELD PUMP AND MOTOR REPLACEMENT	10,000	-	10,000	10,000	10,000	10,000	10,000	10,000
423.9002.536.614006	PLANT PUMP AND MOTOR REPLACEMENT	10,000	-	10,000	10,000	10,000	10,000	10,000	10,000
423.9002.536.614007	HVAC REPLACEMENT	1,000	-	1,000	1,000	1,000	1,000	1,000	1,000
423.9002.536.614008	ELECTRICAL EQUIPMENT REPLACEMENT	7,500	2,500	10,000	10,000	10,000	10,000	10,000	10,000
423.9002.536.615018	SECURITY GATE AND CONTROLLER	-	-	-	30,000	-	-	-	-
423.9002.536.615019	CHEMICAL STORAGE BLD ROOF REPLACEMENT (ROP)	-	61,969	61,969	-	-	-	-	-
423.9002.536.615021	TRANSFER PUMP REPLACEMENT	60,000	(60,000)	-	60,000	-	-	-	-
423.9002.536.615022	ROOF REPLACEMENT WELLS 29, 30 & SB 4 PUMP STATION	35,000	(35,000)	-	60,000	-	-	-	-
423.9002.536.615050	PAINTING OF ACCELERATOR NO 3/4	240,000	(240,000)	-	240,000	-	-	-	-
423.9002.536.631402	R.O TREATMENT PLANT EXPANSION	-	405,000	405,000	-	-	-	-	-
423.9002.536.641403	NETWORK SYSTEMS UPGRADES (SCADA)	10,000	(10,000)	-	10,000	-	-	-	-
423.9002.536.661311	HIGH SERVICE PUMP (REPLACEMENT AND REFURB)	185,000	(185,000)	-	185,000	-	-	-	-
423.9002.536.662307	SURFICIAL WELL REPLACEMENT	185,000	(185,000)	-	185,000	135,000	-	135,000	-
423.9002.536.663320	ODOR CONTROL EXPANSION	140,000	(100,000)	40,000	-	-	-	-	-
423.9002.536.691340	COMPUTER	4,500	2,000	6,500	-	-	-	-	-
423.9002.536.692307	RO SUPPLY WELLS	100,000	-	100,000	-	-	-	-	-
423.9002.536.613010	HIGH SERVICE PUMP PLC REPLACEMENT	25,000	(25,000)	-	205,000	-	-	-	-
423.9002.536.601302	WELL FIELD GENERATORS (REPLACE PORTABLES)	15,000	(15,000)	-	165,000	-	-	-	-
423.9002.536.612320	FILTER VALVE REPLACEMENT	100,000	(100,000)	-	-	-	-	-	-
423.9002.536.693308	RO PLANT PRODUCTION WELL (FLORIDAN)	100,000	(100,000)	-	-	-	-	100,000	850,000
423.9002.536.611307	PIPE PAINTING (FILTER BAYS)	150,000	(150,000)	-	150,000	-	-	-	-
423.9002.536.602393	SLAKER ROOM FLOOR EPOXY COATING REPAIR	50,000	(50,000)	-	50,000	-	-	-	-
423.9002.536.616045	GROUND STORAGE RESERVOIR PAINTING (3)	85,000	(85,000)	-	85,000	-	-	-	-

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

FUND 423: Water Sewer R/R Fund

Account Number	Account Name	FY 17-18			FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
		FY 17-18 ORIGINAL BUDGET	FY 17-18 BUDGET INCREASE (DECREASE)	FY 17-18 AMENDED BUDGET					
423.9002.536.616055	CAUSTIC PUMP SYSTEM REPLACEMENT (RO PLANT)	65,000	(65,000)	-	65,000	-	-	-	
423.9002.536.604341	3/4 TON PICKUP	30,000	-	30,000	-	-	-	-	
423.9002.536.611345	2 TON CRANE (CHLORINE BLDG)	9,000	-	9,000	-	-	-	-	
423.9002.536.620321	CHLORINE SCALES (8)	40,000	-	40,000	-	-	-	-	
423.9002.536.692320	FILTER MEDIA REPLACEMENT (FILTERS 7 THROUGH 11)	25,000	(25,000)	-	25,000	-	-	-	
423.9002.536._____	SCADA SYSTEM REPLACEMENT	-	-	-	-	350,000	-	-	
423.9002.536.610340	SECURITY CAMERA SYSTEMS	-	-	-	75,000	-	-	-	
423.9002.536.616062	FILTER INTERIOR PAINTING	-	-	-	180,000	-	-	-	
423.9002.536.616063	JOHN DEERE GATOR	-	-	-	7,000	-	-	-	
WASTEWATER REUSE									
423.9004.536.610371	HIGH SERVICE PUMPS	140,000	(140,000)	-	65,000	-	-	-	
423.9004.536.610375	HIGH SERVICE PUMP (JOCKEY PUMP)	-	-	-	1,000	-	-	-	
423.9004.536.610396	SCADA SYSTEM	-	-	-	1,000	-	-	-	
423.9004.536.611334	REUSE METERS	7,500	-	7,500	7,500	7,500	7,500	7,500	
423.9004.536.611371	TRANSFER PUMPS	80,000	(80,000)	-	95,000	-	-	-	
423.9004.536.614009	PUMP AND MOTOR REPLACEMENT	5,000	-	5,000	5,000	5,000	5,000	5,000	
423.9004.536.614010	ELECTRICAL PANEL REPLACEMENT	7,500	-	7,500	7,500	7,500	7,500	7,500	
423.9004.536.614015	RECLAIMED WATER PLC REPLACEMENT	50,000	-	50,000	-	-	-	-	
423.9004.536.616045	GROUND STORAGE RESERVOIR PAINTING (1)	35,000	(35,000)	-	45,000	-	-	-	
ADMINISTRATION									
423.9005.536.610390	COMPUTERS	2,500	-	2,500	3,500	-	-	-	
423.9005.536.610400	REPLACE PHONE SYSTEM	30,000	(25,000)	5,000	30,000	-	-	-	
FACILITY MAINTENANCE									
423.9007.536.610390	COMPUTERS	10,000	-	10,000	-	-	-	-	
423.9007.536.699393	TOOLS/SHOP/GARAGE/ EQUIPMENT	-	-	-	13,600	-	-	-	
423.9007.536.601399	SOFTWARE FOR WAREHOUSE	-	-	-	40,000	-	-	-	
423.9007.536.610340	SECURITY SYSTEM WAREHOUSE	-	25,000	25,000	15,000	-	-	-	
423.9007.536.603395	OVERHEAD DOOR ACTUATORS	-	8,000	8,000	-	-	-	-	
423.9007.536.603396	FENCE AND GATE	-	12,000	12,000	-	-	-	-	
423.9007.536.601354	GENERATOR STORAGE / WAREHOUSE	-	-	-	-	60,000	300,000	-	
WASTEWATER COLLECTION									
423.9010.536.608361	LIFT STATION PUMP REPLACEMENT	30,000	-	30,000	35,000	35,000	35,000	35,000	
423.9010.536.615053	STEP SYSTEM CUSTOMER EQUIPMENT	160,000	250,000	410,000	375,000	275,000	275,000	275,000	
423.9010.536.616053	STEP SYSTEM SERVICES	30,000	20,000	50,000	50,000	45,000	40,000	35,000	
423.9010.536.668361	ELECTRICAL PANEL REPLACEMENT	25,000	(15,000)	10,000	30,000	30,000	30,000	30,000	
423.9010.536.671361	GRAVITY SEWER REHABILITATION	100,000	20,000	120,000	100,000	200,000	300,000	300,000	
423.9010.536.614003	GRAVITY SEWER CAMERA REPLACEMENT	70,000	-	70,000	-	-	-	-	
423.9010.536.616054	43RD AVENUE FORCE MAIN REPLACEMENT (18TH TO 26TH)	200,000	(200,000)	-	450,000	-	-	-	
423.9010.536.616055	SEPTIC TANK NUTRIENT REMOVAL STUDY (TMDL)	45,000	-	45,000	-	-	-	-	

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

FUND 423: Water Sewer R/R Fund

Account Number	Account Name	FY 17-18			FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
		FY 17-18 ORIGINAL BUDGET	FY 17-18 BUDGET INCREASE (DECREASE)	AMENDED FY 17-18 BUDGET					
423.9010.536.616056	WASTEWATER COLLECTION MISC EQUIPMENT	4,000	(4,000)	-	5,000	-	-	-	-
423.9010.536.602391	CRANE REPLACEMENT FOR SERVICE TRUCKS	-	-	-	20,000	-	20,000	20,000	-
423.9010.536.616064	LIFT STATION CONTROLLERS	-	-	-	20,000	20,000	10,000	10,000	10,000
423.9010.536.615024	TRAILER MOUNTED DIESEL PUMP	-	-	-	50,000	-	-	-	-
WATER DISTRIBUTION									
423.9011.536.608334	WATER DISTRIBUTION METERS	60,000	(20,000)	40,000	60,000	60,000	60,000	60,000	60,000
423.9011.536.610390	COMPUTERS	3,000	-	3,000	-	-	-	-	-
423.9011.536.611331	LINE & SERVICE REPLACEMENT	150,000	-	150,000	200,000	250,000	250,000	250,000	400,000
423.9011.536.641411	UTILITY LOCATOR EQUIPMENT	15,000	(15,000)	-	20,000	-	-	-	-
423.9011.536.616045	GROUND STORAGE RESERVOIR PAINTING (2)	65,000	(65,000)	-	65,000	-	-	-	-
423.9011.536.616057	VALVE EXERCISE SYSTEM REPLACEMENT	62,000	(62,000)	-	105,000	-	-	-	-
423.9011.536.616058	SOFT DIG LOCATING MACHINE	55,000	-	55,000	-	-	-	-	-
423.9011.536.616059	SOUTH HAMPTON SUBDIVISION OFF SITE IMPROVEMENTS	50,000	(50,000)	-	65,000	-	-	-	-
423.9011.536.616060	STATE ROAD 60 WATER LINE REPLACEMENT (21ST TO 38TH)	1,200,000	-	1,200,000	-	-	-	-	-
423.9011.536.616061	43RD AVENUE WATER LINE REPLACEMENT (18TH TO 26TH)	350,000	(350,000)	-	950,000	-	-	-	-
423.9011.536.616056	WATER DISTRIBUTION MISC EQUIPMENT	4,000	(4,000)	-	5,000	-	-	-	-
CUSTOMER SERVICE									
423.9012.536.615045	CUSTOMER SVC BILLING SOFTWARE IMPRVMTS/UPDATES	-	-	-	155,285	126,825	-	-	-
423.9012.536.641415	CUST SVC VEH LEASE-PURCHASE	-	-	-	-	-	46,000	47,000	47,600
423.9012.536.641416	CUST SVC VEH LEASE-PURCHASE DEBT SVC	-	-	-	41,473	37,153	24,201	25,736	31,583
Total Expenditures		5,954,100	(2,086,866)	3,867,234	6,420,858	2,873,978	2,140,201	2,320,736	2,666,183
Excess (Deficiency) of Revenues over Expenditures		(3,364,100)		(1,197,234)	(4,030,858)	(278,978)	315,799	36,264	(308,583)
ENDING FUND BALANCE (SEP 30)		600,678		4,607,877	577,019	298,041	613,840	650,104	341,521

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME Wastewater Treatment Plant Meters
ACCOUNT # 423.9000.536.611334

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 5,000 to \$ 35,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Replacement of various plant meters for process control and regulatory compliance.

JUSTIFICATION
 Normally, plant process meters are repaired and costs are covered under appropriate operating funds. However, occasionally, meters need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

PROJECT NAME Aerator Handrails
ACCOUNT # 423.9000.536.611389

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Wastewater Treatment Plant Aerator Handrails

JUSTIFICATION
 The handrails on the aerators were damaged during the 2004 hurricanes and need to be replaced.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME Security Camera System
ACCOUNT # 423.9000.536.611397

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Upgrade and expand CCTV system at the Water Treatment Plant.

JUSTIFICATION
 Existing CCTV system has reached the end of it's expected lifespan.

PROJECT NAME Plant Automation - Optimizaton Study (Wastewater Treatment)
ACCOUNT # 423.9000.536.613001

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Plant instrumentation and control additions and upgrades

JUSTIFICATION
 Continued implementation of process automation and improvement as recommended in the GAI Optimization Study.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME Pump and Motor Replacement
ACCOUNT # 423.9000.536.614004

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 5,000 to \$ 11,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Pump and Motor Replacements at Wastewater Treatment Plant

JUSTIFICATION
 Normally, pumps are repaired and costs are covered under appropriate operating funds. However, occasionally, pumps and/or motors need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.



PROJECT NAME Electrical Equipment Replacement
ACCOUNT # 423.9000.536.614005

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 5,000 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Electrical Equipment Replacement at Wastewater Treatment Plant

JUSTIFICATION
 Normally, electrical equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, electrical equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME HVAC Replacement
ACCOUNT # 423.9000.536.615014

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 to \$ 23,200 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 HVAC Replacement at Wastewater Treatment Plant

JUSTIFICATION

Normally, HVAC equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, HVAC equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

PROJECT NAME Automatic Gate Opener with Security System
ACCOUNT # 423.9000.536.615016

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Replacement of Wastewater Treatment Plant gate operator and communication entry system.

JUSTIFICATION

The current Wastewater Treatment Plant gate opener and communication system is not adequate to provide the level of security and reliability required. The importance of a secure, reliable system is elevated due to reduction of personnel and increased Homeland Security Requirements.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME Variable Frequency Drive (Biofan) (Odor Control System Fan)
ACCOUNT # 423.9000.536.615017

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Variable Frequency Drive (VFD) for Odor Control System Fan

JUSTIFICATION
 The Wastewater Treatment Plant Clean B sludge processing project is in the final design phase and will begin construction in the near future. The completion of this project will eliminate the need for digestors 1 and 2 which will reduce the odor control system requirements. To ensure the odor control fan operates at peak efficiency, a variable frequency motor controller will be added. The addition of this item will result in reduced operating cost and better overall system efficiency while still maintaining demand capacity when conditions warrant.

PROJECT NAME Odor Control Replacement
ACCOUNT # 423.9000.536.615381

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Wastewater Treatment Plant Odor Control Replacement

JUSTIFICATION
 The current 25 year old Odor Control System requires refurbishment. The proposed Odor Control System replacement will afford lower operating and maintenance costs while reducing land footprint required.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME Network System Upgrades (SCADA)
ACCOUNT # 423.9000.536.641401

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Upgrade Wastewater Treatment Facilities Supervisory Control and Data Acquisition (SCADA) Network

JUSTIFICATION
 The Supervisory Control and Data Acquisition system enables staff to monitor and control treatment facilities as well as remote equipment and facilities. Network system upgrades are necessary to provide system capacity for additional plant automation and control while providing enhanced cyber security and system reliability required by regulatory agencies.



PROJECT NAME Headworks Box Repair
ACCOUNT # 423.9000.536.663380

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 285,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Wastewater Treatment Plant Box Repair

JUSTIFICATION
 The Plant Headworks Structure is deteriorated due to chemical and gas erosion. Structural modifications and repairs are required to ensure a safe and efficient process operation.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME Blower Replacement
ACCOUNT # 423.9000.536.669380

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Wastewater Treatment Plant blower replacement.

JUSTIFICATION
 the proposed high efficiency process air blower will replace existing equipment installed in 1988. The new blower is anticipated to decrease power consumption by 25-30%. Pilot testing of the proposed system is complete and the results confirm the efficiency improvements are viable. The new blower will optimize process operation while reducing operating costs.

PROJECT NAME	Control Panel Breakers
ACCOUNT #	423.9000.536.691371

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 31,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Stock critical spare circuit breakers in various sizes.

JUSTIFICATION
 The electrical supply system for most of the Wastewater Treatment Plant was installed in 1974. The critical breakers in this system are now obsolete and require long lead times as they are no longer being made by the original manufacturer. To ensure the reliability of the existing system, and in lieu of replacing the system, a stock of spare breakers to support critical functions is needed.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME Nutrient Reduction Study
ACCOUNT # 423.9000.536.601381

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 26,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Nutrient Reduction Study.

JUSTIFICATION
 Devise best approach to lower levels of nitrogen and phosphorus to remain in compliance, protect water quality, and assist with balancing our ecosystems.



PROJECT NAME Rotating Disc Filters
ACCOUNT # 423.9000.536.6 _____

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 1,000 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Wastewater Treatment Plant Self Cleaning Filters

JUSTIFICATION
 Rotating Disc Filters would be utilized to remove particulate from reclaimed water effluent. Escalating regulatory requirements and the need for better plant process control require additional filtration in order to maintain plant efficiency while reducing operating and maintenance costs.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME Ground Storage Reservoir Painting (3) (Wastewater Treatment Plant)
ACCOUNT # 423.9000.536.616045

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 1,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Wastewater Treatment Plant Ground Storage Reservoir Painting

JUSTIFICATION
 Routine recoating for aesthetics and asset protection.



PROJECT NAME John Deere Gator - Replacement of Plant Utility cart
ACCOUNT # 423.9000.536.616063

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 7,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Replacement of the Wastewater Treatment Plant Utility Cart

JUSTIFICATION
 The Wastewater Treatment Plant utility cart is 20 years old and has been put into service on a 24/7 schedule, has met its service life.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Treatment

PROJECT NAME WWTP Replacement
ACCOUNT # 423.9000.536.616065

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 3,345,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Facility at Airport

PROJECT DESCRIPTION
 Design Engineering and Construction Inspection for a New Wastewater Treatment Plant

JUSTIFICATION

The City has been exploring the construction of a new wastewater treatment plant over the last decade. Ten years ago, the construction of a new facility and demolition of the existing facility did not make economic sense. The City feels that now is the time for a more detailed analysis of the benefits associated with the construction of a new wastewater plant. A current study is underway that will be finished by the end of the calendar year. If warranted this expenditure would be for engineering services for a new wastewater plant.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME Exterior Painting of Buildings (Water Treatment Plant)
ACCOUNT # 423.9002.536.602391

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 100,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Water Treatment Plant Exterior Painting of Buildings.

JUSTIFICATION
 Routine painting for aesthetics and asset protection.

PROJECT NAME Door Replacement (Water Treatment Plant)
ACCOUNT # 423.9002.536.608304

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 95,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Water Treatment Plant door replacement.

JUSTIFICATION
 Replacement of 20 doors is required for continued protection of assets.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME Caustic Tank Replacement (Water Treatment Plant)
ACCOUNT # 423.9002.536.611305

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 65,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Water Treatment Plant Caustic Tank Replacement.

JUSTIFICATION
 Current 25 year old 10,000 gallon Caustic storage tank is at the end of it lifecycle and requires replacement to maintain environmental compliance.



PROJECT NAME Water Treatment Plant Flouride Tank Replacement
ACCOUNT # 423.9002.536.611306

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 30,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Water Treatment Plant Flouride Tank Replacement.

JUSTIFICATION
 Current 5600 gallon Flouride storage tank is at the end of it lifecycle and requires replacement to maintain environmental compliance.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME Water Treatment Plant Well Field Meters
ACCOUNT # 423.9002.536.611334

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 30,000 to \$ 40,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Water Treatment Plant and Well Field Meters

JUSTIFICATION

Normally, plant process and wellfield meters are repaired and costs are covered under appropriate operating funds. However, occasionally, meters need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

PROJECT NAME RO Plant Generator Replacement
ACCOUNT # 423.9002.536.612310

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 715,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 RO Plant

PROJECT DESCRIPTION
 RO Plant Emergency Generator (1000 KW) Replacement

JUSTIFICATION

Replacement of the RO Plant Emergency Generator that has been in service since 1992 and will reach the end of its projected service life. New generator will support additional RO Plant Supply Pumps.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R		
DEPARTMENT	Water Treatment		

PROJECT NAME Well Field Pump and Motor Replacement
ACCOUNT # 423.9002.536.614002

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 10,000 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Replacement of well motors.

JUSTIFICATION

Normally, motors are repaired and costs are covered under appropriate operating funds. However, occasionally, motors need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

PROJECT NAME Plant Pump and Motor Replacement
ACCOUNT # 423.9002.536.614006

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 10,000 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Pump and motor replacement at Water Treatment Plant

JUSTIFICATION

Normally, pumps are repaired and costs are covered under appropriate operating funds. However, occasionally, pumps and/or motors need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R		
DEPARTMENT	Water Treatment		

PROJECT NAME HVAC Replacement
ACCOUNT # 423.9002.536.614007

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 HVAC replacement at Water Treatment Plant

JUSTIFICATION

Normally, HVAC equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, HVAC equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.



PROJECT NAME Electrical Equipment Replacement
ACCOUNT # 423.9002.536.614008

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 10,000 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Electrical equipment replacement at Water Treatment Plant

JUSTIFICATION

Normally, electrical equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, electrical equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME Security Gate and Controller
ACCOUNT # 423.9002.536.615018

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 30,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant Main Gate

PROJECT DESCRIPTION
 Install 2 new electric gate operators and ancillary access and communication equipment.

JUSTIFICATION
 Existing operators and ancillary equipment are obsolete and no longer function.



PROJECT NAME Transfer Pump Replacement
ACCOUNT # 423.9002.536.615021

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 60,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Replacement of Transfer Pump

JUSTIFICATION
 Due to catastrophic failure, Water Treatment Plant Transfer Pump C requires replacement. Existing 26 year old pump is not repairable.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R		
DEPARTMENT	Water Treatment		

PROJECT NAME Roof Replacement Wells 29,30 & SB 4 Pump Station
ACCOUNT # 423.9002.536.615022

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 60,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Various sites

PROJECT DESCRIPTION
 Replacement of roofs on small buildings used for wells and pump houses.

JUSTIFICATION
 Roofs are old and need to be replaced to insure the safety of electrical equipment.



PROJECT NAME Painting of Accelerator Nos 3 and 4
ACCOUNT # 423.9002.536.615050

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 240,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Painting of Accelerator Nos. 3 and 4 and Buildings D and E.

JUSTIFICATION
 These are critical maintenance items to protect and maintain aesthetics of assets.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME Network System Upgrades (SCADA)
ACCOUNT # 423.9002.536.641403

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 10,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Ongoing upgrade and enhancements of Water Production and Treatment Facilities Supervisory Control and Data Acquisition (SCADA) Network

JUSTIFICATION
 The Supervisory Control and Data Acquisition system enables staff to monitor and control treatment facilities as well as remote equipment and facilities. Ongoing and network system upgrades are necessary to provide system capacity for additional plant automation and control while providing enhanced cyber security and system reliability required by regulatory agencies.



PROJECT NAME High Service Pump (Replacement and Refurbishment)
ACCOUNT # 423.9002.536.661311

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 185,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Replacement of 2 High Service Pumps and Refurbishment of 2 High Service Pumps at the Water Treatment Plant

JUSTIFICATION
 The Water treatment Plant utilizes nine High Service Pumps for distribution of potable water throughout the service area. The pump replacement phase of the project is for two 33 year old High Service Water Distribution Pumps. Due to age, existing pumps are not cost effective to refurbish. Proposed pumps will provide higher operating efficiency resulting in reduced operating costs. The second phase of the project is for refurbishment of two 16 year old High Service Water Distribution Pumps. These pumps no longer operate at their optimum efficiency due to normal wear and tear. These two pumps will be refurbished to factory standard to ensure optimum efficiency and reliability while maintaining regulatory compliance.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME Surficial Well Replacement
ACCOUNT # 423.9002.536.662307

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 135,000 to \$ 185,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Remove surficial water production wells

JUSTIFICATION
 Replacement of surficial production wells that are not meeting capacity requirements.



PROJECT NAME High Service Pump PLC Replacement
ACCOUNT # 423.9002.536.613010

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 205,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Lime Softening Plant (LSP)

PROJECT DESCRIPTION
 Lime Softening Plant (LSP) Programmable Logic Controller (PLC) replacement.

JUSTIFICATION
 The PLC controls all automated functions and plant parameters as well as ensuring regulatory compliance. The current 21 year old PLC has reached the end of its life cycle and is nearing obsolescence. The age of this unit impedes implementation of new technologies which increase operational efficiency or may be required for regulatory compliance.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R		
DEPARTMENT	Water Treatment		

PROJECT NAME Well Field Generators (Replace Portables)
ACCOUNT # 423.9002.536.601302

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 165,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Replacement of Water Treatment Plant portable generators.

JUSTIFICATION
 Replacement of two portable generators required by state regulations to supply emergency power during hurricanes and other power outages. Existing 28 year old units will have reached the end of their service lives.



PROJECT NAME RO Plant Production Well (Floridan)
ACCOUNT # 423.9002.536.693308

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 950,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 RO Plant

PROJECT DESCRIPTION
 New RO Plant production well.

JUSTIFICATION
 As part of the proposed Reverse Osmosis Water Plant expansion, the City contracted with the engineering firm CDM Smith to prepare a hydraulic model for the Upper Floridan Aquifer wellfield. This model is required by regulatory agencies to determine present and future water source requirements. The model confirmed the need for an additional production well for redundancy as required by Florida Department of Environmental Protection (FDEP) permit requirements.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME Pipe Painting (Filter Bays) (Water Treatment Plant)
ACCOUNT # 423.9002.536.611307

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 150,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant Filter Bays

PROJECT DESCRIPTION
 Painting of Water Treatment Plant Pipe Filter Bays.

JUSTIFICATION
 Routine painting for aesthetics and asset protection.

PROJECT NAME	Slaker Room Floor Epoxy Coating Repair (Water Treatment Plant)
ACCOUNT #	423.9002.536.602393

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 50,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant Slaker Room

PROJECT DESCRIPTION
 Water Treatment Plant Slaker Room Floor Epoxy Coating Repair

JUSTIFICATION
 Routine painting for aesthetics and asset protection.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME Ground Storage Reservoir Painting (3) (Water Treatment Plant)
ACCOUNT # 423.9002.536.616045

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 85,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Painting of 3 ground storage reservoirs at the Water Treatment Plant.

JUSTIFICATION
 Routine painting for aesthetics and asset protection.



PROJECT NAME Caustic Pump System Replacement (Reverse Osmosis Plant)
ACCOUNT # 423.9002.536.616055

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 65,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Reverse Osmosis Plant Caustic Pump System Replacement

JUSTIFICATION
 Current 25 year old 10,000 gallon Caustic Pump System is at the end of its lifecycle and requires replacement to maintain environmental compliance.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R		
DEPARTMENT	Water Treatment		

PROJECT NAME Filter Media Replacement (Filters 7 through 11)
ACCOUNT # 423.9002.536.692320

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 25,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Filter Media Replacement (Filters 7 through 11)

JUSTIFICATION
 Replacement of final water filtration media is required to maintain water quality and ensure regulatory compliance.



PROJECT NAME SCADA System Replacement (Water Treatment Plant)
ACCOUNT # 423.9002.536.6_____

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 350,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Supervisory Control and Data Acquisition (SCADA) Replacement. Replace 37 Remote Telemetry Units located at well and pumping facilities. Upgrade associated HMI software integration.

JUSTIFICATION
 The SCADA system enables staff to monitor and control treatment facilities, wells and other remote equipment and facilities. This replacement is necessary due to obsolescence of hardware and software, cyber security concerns as well as reliability issues. Future security requirements cannot be met with existing hardware.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME Security Camera Systems - CCTV System replacement and upgrade
ACCOUNT # 423.9002.536.610340

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 75,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment plant

PROJECT DESCRIPTION
 Upgrade and expand CCTV system at the Water Treatment Plant.

JUSTIFICATION
 Existing CCTV system has reached the end of it's expected lifespan. Expansion of system to include the Field Services and Maintenance Buildings.



PROJECT NAME Filter Interior Painting (Filters 5-11)
ACCOUNT # 423.9002.536.616062

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 180,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant - LSP

PROJECT DESCRIPTION
 Remove and replace protective coating on interior of filters 5- 11.

JUSTIFICATION
 Routine painting for asset protection.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Treatment

PROJECT NAME John Deere Gator - Replacement of Plant Utility cart
ACCOUNT # 423.9002.536.616063

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 7,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant

PROJECT DESCRIPTION
 Replacement of the Water Treatment Plant Utility Cart

JUSTIFICATION
 The Water Treatment Plant cart is 20 years old and has met its service life.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Reuse

PROJECT NAME High Service Pumps (Wastewater Reuse)
ACCOUNT # 423.9004.536.610371

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 65,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Wastewater Reuse High Service Pumps

JUSTIFICATION

The Reclaimed Water System utilizes 3 High Service Pumps to distribute water to the end customers. The existing 26 year old pumps are at the end of their service life and require refurbishment. The project includes replacement of pump bowl assemblies and refurbishment of the remainder of the components. The completed project will produce higher operating efficiencies, reliability and lower cost of ownership.

PROJECT NAME High Service Pump (Jockey Pump)
ACCOUNT # 423.9004.536.610375

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 1,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Wastewater Reuse Plant high service pump (Jockey pump).

JUSTIFICATION

Installation of a more efficient small pump to reduce energy costs during low flow conditions.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Reuse

PROJECT NAME SCADA System (Reuse)
ACCOUNT # 423.9004.536.610396

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Replace obsolete radios, antennas and appurtenances for the reuse Supervisory Control and Data Acquisition (SCADA) System.

JUSTIFICATION
 The Supervisory Control and Data Acquisition system is used to control systems and collect data at various sites throughout the reclaimed water distribution system. The existing system, installed in 1991 is obsolete and no longer servicable. The proposed system will provide improve data collection and control to enable optimizing system operations.



PROJECT NAME Reuse Meters
ACCOUNT # 423.9004.536.611334

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 7,500 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Replacement/repair of reuse meters.

JUSTIFICATION
 Reuse system meters are replaced or repaired as warranted.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Reuse

PROJECT NAME Transfer Pumps
ACCOUNT # 423.9004.536.611371

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 95,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Replacement of two (2) reuse transfer pumps

JUSTIFICATION
 The Reclaimed Water System utilizes 4 Transfer Pumps to distribute water within the plant. The existing 22 year old pumps are at the end of their service life and require refurbishment. The project includes replacement of two (2) pump bowl assemblies, coulumn pipes and discharge heads. The completed project will produce higher operating efficiencies, reliability, lower cost of ownership and will serve as backup pumps for the new WWTP.

PROJECT NAME Pump and Motor Replacement
ACCOUNT # 423.9004.536.614009

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 5,000 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Pump and Motor Replacement at the Wastewater Treatment Plant

JUSTIFICATION
 Normally, pumps are repaired and costs are covered under appropriate operating funds. However, occasionally, pumps and/or motors need to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Reuse

PROJECT NAME Electrical Equipment Replacement (Panel)
ACCOUNT # 423.9004.536.614010

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 7,500 *Annual* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Electrical equipment replacement at the Wastewater Reuse Plant.

JUSTIFICATION
 Normally, electrical equipment is repaired and costs are covered under appropriate operating funds. However, occasionally, electrical equipment needs to be replaced instead of repaired. To better reflect this capital expense, this line item has been established.

PROJECT NAME	Ground Storage Reservoir Painting (1) (Wastewater Reuse Tank)
ACCOUNT #	423.9004.536.616045

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 45,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Wastewater Reuse Plant Storage Tank Painting

JUSTIFICATION
 Routine recoating for aesthetics and asset protection.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R		
DEPARTMENT	Administration		

PROJECT NAME Computers
ACCOUNT # 423.9005.536.610390

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 6,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Wastewater Treatment Plant

PROJECT DESCRIPTION
 Replacement of Administration's computers.

JUSTIFICATION
 All units exceed maximum recommended lifecycle age and have legacy Windows XP operating system installed which poses security risks and is no longer supported by software and hardware vendors. This request is in accordance with Information Systems' PC Replacement Program.



PROJECT NAME Replace Phone System
ACCOUNT # 423.9005.536.610400

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 35,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Various

PROJECT DESCRIPTION
 Replace Siemens phone systems in the Police Department and Electrical T&D buildings that provides phone service to seven (7) City buildings. Portion of cost allocated to Water & Sewer Utility based on # of phone stations

JUSTIFICATION
 The existing system was installed in the fall of 1997 and is currently operating beyond it's original life expectancy. The system is supported by a third party maintenance provider that specializes in supporting "legacy" phone systems and at this time they have indicated there are no plans in the immediate future to discontinue supporting the system. However as parts availability decreases repair times will increase. Because the vendor has supplied the City with onsite spare parts of critical key components replacement is not critical at this time however the system will eventually need to be replaced. At this time the system is currently meeting the City's needs.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Facility Maintenance

PROJECT NAME Tools/Shop/Garage/Equipment
ACCOUNT # 423.9007.536.699393

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 13,600 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 WWTP MAINTENANCE SHOP.

PROJECT DESCRIPTION
 MIG WELDER, MILLERMATIC 252 W/SPOOL SERIES, INPUT VOLTAGE 208/240, FLUX CORE, MIG
 ELECTRICAL CRIMPER FOR ELECTICIAN.
 DRYER FOR THE BEAD BLAST MACHINE FOR SHOP.
 RED BEAM SHEAVE ALIGNMENT SYSTEM.
 RIDGID K-60 SECTIONAL MACHINE FOR DRAIN CLEANING.

JUSTIFICATION
 Various tools needed by the maintenance staff to perform their duties.

PROJECT NAME	Software for Warehouse
ACCOUNT #	423.9007.536.601399

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 40,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant Maintenance Building/Warehouse

PROJECT DESCRIPTION
 Installation of Inventory Management Software

JUSTIFICATION
 Expansion of existing Asset Management software to include Warehouse Operations and Inventory control.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Facility Maintenance

PROJECT NAME Security System Warehouse
ACCOUNT # 423.9007.536.610340

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 40,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant - Maintenance Building/Warehouse

PROJECT DESCRIPTION
 Expansion of Warehouse Security Systems.

JUSTIFICATION
 Expansion of existing Access Control and CCTV systems to include areas of the Maintenance Building utilized by the Warehouse.

PROJECT NAME	Generator Storage / Warehouse
ACCOUNT #	423.9007.536.601354

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 360,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Water Treatment Plant - Generator Storage / Warehouse

PROJECT DESCRIPTION
 Expansion of Warehouse Security Systems.

JUSTIFICATION
 With the departure of the Electric Fund the warehouse operations for Water and Sewer was assigned to the Maintenance Division. Temporarily the warehouse operations will reside in the current maintenance building. A new warehouse building along with generator storage will need to be constructed since the existing maintenance building is not large enough to support both maintenance and warehouse operations.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Collection

PROJECT NAME Lift Station Pump Replacement
ACCOUNT # 423.9010.536.608361

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 30,000 to \$ 35,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various locations at lift station sites.

PROJECT DESCRIPTION
 Lift Station Pump Replacements

JUSTIFICATION
 There are 248 pumps in lift stations that our department maintains. There pumps are serviced annually and repaired as needed. They have a life cycle of 10 - 15 years.

PROJECT NAME STEP System Customer Equipment (Hybrid Septic Tank Effluent Pump System)
ACCOUNT # 423.9010.536.615053

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 275,000 to \$ 410,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Wastewater Collection System.

PROJECT DESCRIPTION
 A sewage collection system that uses a septic tank to contain and treat solids, a pump station to remove the clear effluent, and a drain field to act as a backup to the pump station for disposal of the effluent during power outages. This is the STEP System equipment (parts and components).

JUSTIFICATION
 Reduce pollutant loads from septic systems that enter the Indian River Lagoon via groundwater.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Collection

PROJECT NAME STEP System Services (Hybrid Septic Tank Effluent Pump System)
ACCOUNT # 423.9010.536.616053

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 30,000 to \$ 50,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Wastewater Collection System

PROJECT DESCRIPTION
 A sewage collection system that uses a septic tank to contain and treat solids, a pump station to remove the clear effluent, and a drain field to act as a backup to the pump station for disposal of the effluent during power outages. These are the services connecting the Systems to the homes.

JUSTIFICATION
 Reduce pollutant loads from septic systems that enter the Indian River Lagoon via groundwater.

PROJECT NAME Electrical Panel Replacement
ACCOUNT # 423.9010.536.668361

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 10,000 to \$ 30,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various lift station sites.

PROJECT DESCRIPTION
 Electrical panel replacement program.

JUSTIFICATION
 This is an ongoing program to replace lift station electrical panels as warranted. Typically, these electrical panels have a service life of 30 years. The City has 128 lift stations and we replace approximately 4 panels annually.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Collection

PROJECT NAME Gravity Sewer Rehabilitation
ACCOUNT # 423.9010.536.671361

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 100,000 to \$ 300,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various gravity sewer sites.

PROJECT DESCRIPTION
 Gravity Sewer Rehabilitation

JUSTIFICATION
 This is our Department's ongoing program to evaluate sanitary sewer systems, document deficiencies and perform the necessary corrective actions.

PROJECT NAME	43rd Avenue Force Main Replacement (18th to 26th Streets)
ACCOUNT #	423.9010.536.616054

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 450,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 43rd Avenue from 18th Street to 26th Street

PROJECT DESCRIPTION
 Force Main Replacement

JUSTIFICATION
 IRC, in conjunction with FDOT, will be making intersection improvements along S.R. 60 and 43rd Avenue from 18th to 26th Streets. Our force mains are in conflict with these improvements and must be relocated.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Collection

PROJECT NAME Wastewater Collection Misc Equipment
ACCOUNT # 423.9010.536.616056

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 5,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 N/A

PROJECT DESCRIPTION
 New type saw will speed up repairs to Gravity Sewer System.

JUSTIFICATION
 Saw used for cutting both pipe and concrete.

PROJECT NAME Crane Replacement for Service Trucks - (2) 3200REE-15 Liftmoore hoist for utility truck 98-05 & 98-04
ACCOUNT # 423.9010.536.602391

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 20,000 *Annual for 3 Years* **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Hoist for utility service trucks 8-98-05 and 98-04

PROJECT DESCRIPTION
 Liftmoore 3200REE-15 Motorized Ext up and down hoist.

JUSTIFICATION
 These hoist are used daily to pull pumps and make liftstations repairs. They will replace 15 yr. old hoist that have maintenance issues. These hoist need to be reliable.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Wastewater Collection

PROJECT NAME Lift Station Controllers - MPE Motor Protection Electronics Duplexer
ACCOUNT # 423.9010.536.616064

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 10,000 to \$ 20,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various locations at lift station sites.

PROJECT DESCRIPTION
 The duplexer is a low cost scada ready pump controller designed to perform level control for duplex lift station applications.

JUSTIFICATION
 These controllers will replace the old Allen Bradley pressure switch systems. Parts for the Allen Bradley pressure controllers are costly and difficult to find.



PROJECT NAME Trailer Mounted Diesel Pump
ACCOUNT # 423.9010.536.615024

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 50,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Throughout our service territory.

PROJECT DESCRIPTION
 Trailer Mounted Diesel Pump

JUSTIFICATION
 This pump will replace one of our existing trailer mounted diesel pumps that has reached the end of its life cycle.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Distribution

PROJECT NAME Water Distribution Meters
ACCOUNT # 423.9011.536.608334

TYPE OF EXPENSE
 New x Repair/Refurbish x Replace x

TOTAL PROJECT COST \$ 40,000 to \$ 60,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various site throughout the water distribution system.

PROJECT DESCRIPTION
 Water Distribution Meters

JUSTIFICATION
 Approximately 1000 5/8" thru 1" water meters in the water distribution system are replaced annually to assure accurate consumption and billing.



PROJECT NAME Line and Service Replacements
ACCOUNT # 423.9011.536.611331

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 150,000 to \$ 400,000 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Various site throughout the water distribution system.

PROJECT DESCRIPTION
 Line and Service replacements throughout the Water Distribution System

JUSTIFICATION
 This project is on-going and consists of the replacement of old galvanized, transite, and cast iron mains and service lines through out Water Distribution System.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Distribution

PROJECT NAME Utility Locator Equipment (Utility Locate and Mark Ground Penetrating Radar (GPR) System)
ACCOUNT # 423.9011.536.641411

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 20,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Various sites throughout our water and sewer service territory.

PROJECT DESCRIPTION
 Utility Locate and Mark Ground Penetrating Radar (GPR) System

JUSTIFICATION
 This advanced technological unit will replace our current locator that has reached the end of its life cycle.

PROJECT NAME	Ground Storage Reservoir Painting (2) (Water Distribution Tank)
ACCOUNT #	423.9011.536.616045

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 65,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 South S.R. A1A

PROJECT DESCRIPTION
 Painting of two Water Distribution Ground Storage Tanks.

JUSTIFICATION
 Routine recoating for aesthetics and asset protection.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Water Distribution

PROJECT NAME Valve Exercise System Replacement
ACCOUNT # 423.9011.536.616057

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 105,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 N/A

PROJECT DESCRIPTION
 Replacement of existing Valve Exercise System

JUSTIFICATION

The existing valve exercise equipment is out dated and requires two employees to operate in high traffic areas. This new equipment can be operated anywhere by one person. The old equipment will be used around the water and wastewater plants and as a backup for the new equipment. The System is necessary to maintain the useful life and operation of our valves.

PROJECT NAME	South Hampton Subdivision Off-Site Improvements
ACCOUNT #	423.9011.536.616059

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 65,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 1205 and 1245 11th Avenue

PROJECT DESCRIPTION
 New water line to serve South Hampton Subdivision.

JUSTIFICATION

This new water line is necessary to provide water service to South Hampton, a newly constructed multi-family residential Subdivision.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R		
DEPARTMENT	Water Distribution		

PROJECT NAME 43rd Avenue Water Line Replacement (18th to 26th Streets)
ACCOUNT # 423.9011.536.616061

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 950,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 43rd Avenue from 18th Street to 26th Street

PROJECT DESCRIPTION
 43rd Avenue Water Line Replacement

JUSTIFICATION
 IRC, in conjunction with FDOT, will be making intersection improvements along S.R. 60 and 43rd Avenue from 18th to 26th Streets. Our water lines are in conflict with these improvements and must be relocated.



PROJECT NAME Water Distribution Misc Equipment
ACCOUNT # 423.9011.536.616056

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 5,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 N/A

PROJECT DESCRIPTION
 New type saw will speed up repairs to Water Distribution System.

JUSTIFICATION
 Saw used for cutting both pipe and concrete.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Customer Service

PROJECT NAME Customer Service Billing Software Improvements and Updates
ACCOUNT # 423.9012.536.615045

TYPE OF EXPENSE
 New x Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 282,110 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Customer Service billing department

PROJECT DESCRIPTION

	FY 18-19	FY 19-20
Complete Invoice Cloud - Online Billing Portal and Ebilling	28,460	-
Update Banking & Billing Software for Ebox & Lockbox	50,000	50,000
Update Cayenta Billing software to latest version	76,825	76,825
	<u>155,285</u>	<u>126,825</u>

JUSTIFICATION

Completion of Invoice Cloud project (placed on hold pending sale of electric utility) will provide online customer service portal, online payment and ebilling for utility customers. Implementing Ebox will improve posting of bank to bank payments and lockbox will provide for bank processing of all mailed utility payments. These three projects will provide more cost effective and efficient Customer Service support.

Cayenta billing software upgrade will update the City's billing system software to the latest version. Software was last updated in FY 14-15, and software must be updated periodically to the most current version to have an effective, updated and tech supported billing system

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	423 - Water Sewer R/R
DEPARTMENT	Customer Service

PROJECT NAME Customer Service Vehicle Lease-Purchast Acquisition / Debt Service
ACCOUNT # 423.9012.536.641415 / 641416

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 46,000 to \$ 47,600 **GRANT FUNDING** Amount \$ -
Annual Range Source/Agency N/A

PROJECT LOCATION
 Customer Service field services department

PROJECT DESCRIPTION
 Replace Customer Service meter & field services vehicles on 5-6 year schedule

JUSTIFICATION
 By using a lease-purchase program the City keeps its vehicle fleet current and functional, which achieves savings through reductions in maintenance, repairs, fuel usage and increase value when vehicles are sold

	Current Vehicle			Replacement Vehicle		
	Vehicle #	Dept	Description	Description	Purchase Price	Increase to Debt Svc
2020-2021	12-CS18	Cust Svc	2016 Ford F-150 Pickup	LT PICKUP 1/2T	23,000	
	12-CS19	Grounds	2016 Ford F-150 Pickup	LT PICKUP 1/2T	23,000	
				Subtotal	\$ 46,000	\$ 10,333
2021-2022	12-CS20	Cust Svc	2016 Ford F-150 Pickup	LT PICKUP 1/2T	23,500	
	12-CS21	Cust Svc	2017 Ford F-150 Pickup	LT PICKUP 1/2T	23,500	
				Subtotal	\$ 47,000	\$ 10,557
2022-2023	12-CS22	Cust Svc	2017 Ford F-150 Pickup	LT PICKUP 1/2T	23,800	
	<i>tbd</i>	Cust Svc	2018 Ford F-150 Pickup	LT PICKUP 1/2T	23,800	
				Subtotal	\$ 47,600	\$ 10,692



**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM
FUND 443: Airport Construction Fund**

Account Number	Account Name	FY 17-18 ORIGINAL BUDGET	FY 17-18 BUDGET INCREASE (DECREASE)	AMENDED FY 17-18 BUDGET	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
FUND BALANCE FORWARD (OCTOBER 1)		430,314		Audited (539,173)	329,655	972,939	541,323	499,707	488,999
REVENUES									
443.0000.331 FEDERAL GRANTS/CAPITAL									
443.0000.331.010500	REHABILITATE TAXIWAY C (AIP 40) CONSTRUCTION	405,886	-	405,886	-	-	-	-	-
443.0000.331._____	REHABILITATE RWY 12R-30L (DESIGN) (AIP 41)	-	-	-	-	450,000	-	-	-
443.0000.331._____	REHABILITATE RWY 12R-30L (CONSTRUCTION) (AIP 42)	-	-	-	-	-	4,050,000	-	-
443.0000.334 STATE GRANTS/CAPITAL									
443.0000.334.010500	REDEVELOP CORE COMMERCIAL PARK (429707)	157,250	-	157,250	-	-	-	-	-
443.0000.334.010650	EXTEND/MARK/LIGHT TWY E (434602)	1,584,000	(924,000)	660,000	1,790,324	-	-	-	-
443.0000.334.010700	REHABILITATE TAXIWAY C (430941)	72,860	-	72,860	-	-	-	-	-
443.0000.334.010750	REHABILITATE NORTH APRON (437981)	2,370,000	(1,580,000)	790,000	2,336,528	-	-	-	-
443.0000.334.010850	AIRPORT SECURITY IMPROVEMENTS (439717)	300,000	120,000	420,000	534,904	-	-	-	-
443.0000.334.010900	REHABILITATE T-HANGAR BUILDINGS (439716)	400,000	(320,000)	80,000	385,669	-	-	-	-
443.0000.334.010980	REHABILITATE RWY 12R-30L (EA) (_____)	-	-	-	60,000	-	-	-	-
443.0000.334.010990	CONSTRUCT HANGAR (442101)	-	-	-	2,000,000	2,000,000	-	-	-
443.0000.334.010970	REHABILITATE CENTER APRON (431034)	-	-	-	640,000	1,920,000	-	-	-
443.0000.334._____	REHABILITATE RWY 12R-30L (DESIGN & CONSTRUCTION)	-	-	-	-	25,000	225,000	-	-
443.0000.334._____	REHABILITATE SOUTHWEST APRON (433545)	-	-	-	-	-	316,000	948,000	-
443.0000.365.090150	SALE OF SURPLUS VEHICLES	-	4,621	4,621	-	-	-	-	-
443.0000.383.001000	VEHICLE LEASE-PURCHASE PROCEEDS	25,500	245	25,745	22,500	-	-	-	-
443.0000.389.800000	LOCAL PARTNERSHIP (2 FBOs)	-	380,000	380,000	386,756	-	-	-	-
443.0000.389.800000	LOCAL PARTNERSHIP (CONSTRUCT HANGAR)	-	-	-	500,000	500,000	-	-	-
443.0000.389._____	LOCAL PARTNERSHIP (REHAB SOUTHWEST APRON)	-	-	-	-	-	79,000	237,000	-
443.0000.389.001000	NON OPERATING XFR FROM AIRPORT FUND	1,000,000	180,000	1,180,000	1,710,000	90,000	200,000	-	-
Total Revenues		6,315,496	(2,139,134)	4,176,362	10,366,681	4,985,000	4,870,000	1,185,000	-
EXPENDITURES									
443.4000.542.613003	REDEVELOP CORE COMMERCIAL PARK	314,500	-	314,500	-	-	-	-	-
443.4000.542.615032	REHABILITATE TAXIWAY C	516,914	-	516,914	-	-	-	-	-
443.4000.542.616020	EXTEND/MARK/LIGHT TWY E	1,980,000	(1,155,000)	825,000	2,237,905	-	-	-	-
443.4000.542.616021	REHABILITATE NORTH APRON	2,962,500	(1,975,000)	987,500	2,920,660	-	-	-	-
443.4000.542.617010	AIRFIELD SECURITY IMPROVEMENTS (AIR SERVICE)	375,000	150,000	525,000	668,630	-	-	-	-
443.4000.542.617020	REHABILITATE T-HANGAR BUILDINGS	500,000	(400,000)	100,000	482,086	-	-	-	-
443.4000.542.641400	AIRPORT VEHICLE LEASE-PURCHASE	25,500	1,417	26,917	22,500	-	-	-	-
443.4000.542.641500	AIRPORT VEHICLE LEASE-PURCHASE DEBT SVC	11,458	245	11,703	16,616	16,616	16,616	10,708	4,913
443.4000.542.617070	REHABILITATE RWY 12R-30L (EA)	-	-	-	75,000	-	-	-	-
443.4000.542.617080	CONSTRUCT HANGAR	-	-	-	2,500,000	2,500,000	-	-	-
443.4000.542.617030	REHABILITATE CENTER APRON	-	-	-	800,000	2,400,000	-	-	-

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM
FUND 443: Airport Construction Fund**

Account Number	Account Name	FY 17-18 ORIGINAL BUDGET	FY 17-18 BUDGET INCREASE (DECREASE)	AMENDED FY 17-18 BUDGET	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
443.4000.542._____	REHABILITATE RWY 12R-30L (DESIGN)	-	-	-	-	500,000	-	-	-
443.4000.542._____	REHABILITATE RWY 12R-30L (CONSTRUCTION)	-	-	-	-	-	4,500,000	-	-
443.4000.542._____	REHABILITATE SOUTHWEST APRON	-	-	-	-	-	395,000	1,185,000	-
Total Expenditures & Transfers		6,685,872	(3,378,338)	3,307,534	9,723,397	5,416,616	4,911,616	1,195,708	4,913
Excess (Deficiency) of Revenues over Expenditures		(370,376)	1,239,204	868,828	643,284	(431,616)	(41,616)	(10,708)	(4,913)
ENDING FUND BALANCE (SEP 30)		59,938		329,655	972,939	541,323	499,707	488,999	484,086

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

**FUND 443: Airport Construction Fund
UNFUNDED PROJECTS**

Account Number	Account Name	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
REVENUES						
443.0000.331	FEDERAL GRANTS/CAPITAL					
443.0000.331._____	ARFF VEHICLE (____)	\$ 765,000.00	\$ -	\$ -	\$ -	\$ -
443.0000.331._____	TERMINAL BUILDING EXPANSION (____)	-	2,002,500	6,007,500	-	-
443.0000.334	STATE GRANTS/CAPITAL					
443.0000.334._____	ARFF VEHICLE (____)	42,500	-	-	-	-
443.0000.334._____	TERMINAL AREA STUDY (____)	60,000	-	-	-	-
443.0000.334._____	TERMINAL BUILDING EXPANSION (____)	-	111,250	333,750	-	-
443.0000.334._____	SOUTH COMMERCIAL PARK REDEVELOPMENT (____)	75,000	75,000	-	-	-
443.0000.334._____	CENTRAL COMMERCIAL PARK BLDG RENOVATION (____)	-	-	-	150,000	-
443.0000.334._____	REHABILITATE TWY B (425751)	-	-	-	980,000	980,000
443.0000.334._____	CONSTRUCT NORTH APRON EXTENSION, PHASE 1(____)	-	-	-	-	780,000
Total Revenues		942,500	2,188,750	6,341,250	1,130,000	1,760,000
EXPENDITURES						
441.4000.542._____	AIR CONDITIONER REPLACEMENTS	52,000	-	-	-	-
441.4000.542._____	AIRPORT TOOLS & EQUIPMENT	32,000	-	-	-	-
441.4000.542._____	OFFICE EQUIPMENT	5,000	-	-	-	-
443.4000.542._____	ARFF VEHICLE	850,000	-	-	-	-
443.4000.542._____	TERMINAL AREA STUDY	75,000	-	-	-	-
443.4000.542._____	TERMINAL BUILDING EXPANSION	-	2,225,000	6,675,000	-	-
443.4000.542._____	SOUTH COMMERCIAL PARK REDEVELOPMENT	150,000	150,000	-	-	-
443.4000.542._____	CENTRAL COMMERCIAL PARK BLDG RENOVATION	-	-	-	300,000	-
443.4000.542._____	REHABILITATE TWY B	-	-	-	1,225,000	1,225,000
443.4000.542._____	CONSTRUCT NORTH APRON EXTENSION, PHASE 1	-	-	-	-	975,000
Total Expenditures		1,164,000	2,375,000	6,675,000	1,525,000	2,200,000
Total (Net) Unfunded Projects		\$ 221,500	\$ 186,250	\$ 333,750	\$ 395,000	\$ 440,000

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	443 - Airport Construction
DEPARTMENT	Airport

PROJECT NAME EXTEND/MARK/LIGHT TWY E
ACCOUNT # 443.4000.542.616020

TYPE OF EXPENSE
New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 3,300,000 **GRANT FUNDING** Amount \$ 2,640,000
Source/Agency FDOT

PROJECT LOCATION
Taxiway E- East of Runway 4 connecting with North Ramp and approach end of RWY 30L

PROJECT DESCRIPTION
Water Distribution MetersProject is proposed to extend existing Taxiway E east to the end of the main runway (Airport North end) for improved traffic flow and increased capacity. Opens the central area of the airport between the parallel runways to aeronautical development.

JUSTIFICATION
This is a capacity project envisioned in the 2000-2020 Airport Master Plan to allow build-out of the interior section of the Airport. Extending Taxiway E to the east would allow two things: 1) aircraft traffic to access the Airport North hangar and FBO development area without crossing the main runway, and 2) development potential for interior airport land for aviation businesses and facilities. NOTE: This project was confirmed in the 2016 Airport Master Plan.

PROJECT NAME REHABILITATE NORTH APRON
ACCOUNT # 443.4000.542.616021

TYPE OF EXPENSE
New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 3,950,000 **GRANT FUNDING** Amount \$ 3,160,000
Source/Agency FDOT

PROJECT LOCATION
North Ramp Apron

PROJECT DESCRIPTION
This project proposes to overlay Airport North Ramp area which serves up to 10 hangars and associated aircraft. In addition, a new taxiway section will be constructed to connect with the approach end of RWY 30L (per FAA requirements). Finally, an old hangar damaged in 2004/5 by hurricanes will be demolished.

JUSTIFICATION
The ramp area has not been overlaid since approximately 1994. A seal coat was added to the pavement in approximately 2002, but the entire ramp now needs to be completely rehabilitated based on geotesting.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	443 - Airport Construction
DEPARTMENT	Airport

PROJECT NAME AIRFIELD SECURITY IMPROVEMENTS (AIR SERVICE)
ACCOUNT # 443.4000.542.617010

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 1,209,679 **GRANT FUNDING** Amount \$ 967,743
 Source/Agency FDOT

PROJECT LOCATION
 Various locations around the Airfield.

PROJECT DESCRIPTION
 Project will include additional gates and fencing as required by TSA around the terminal and airfield tenant areas, including Piper Aircraft, along with upgrades to security equipment (Security Identification Display Area) systems, cameras, and 24 hour surveillance monitoring).

JUSTIFICATION
 Now that Vero Beach Regional Airport offers Commercial Air Service, further improvements to the security of the airfield are needed to meet TSA Security Program requirements under 49 CFR 1542.103. Security Improvements will allow for anticipated expansion of services by the airline(s) (i.e., more flights, more destinations). Airline service increases economic activity through tourism and support industries like real estate, hotels, restaurants, etc.



PROJECT NAME REHABILITATE T-HANGAR BUILDINGS
ACCOUNT # 443.4000.542.617020

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 1,000,000 **GRANT FUNDING** Amount \$ 800,000
 Source/Agency FDOT

PROJECT LOCATION
 T-Hangar Complex

PROJECT DESCRIPTION
 This project is intended to improve or modify hangar doors, repair and/or replace roofing, improve lighting and markings in T-Hangar complex.

JUSTIFICATION
 Evaluate condition of existing T-Hangar buildings. Repairs, replacement and /or modifications will be as facilitated as necessary. Cost benefit: \$101,000 net revenue per year.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	443 - Airport Construction
DEPARTMENT	Airport

PROJECT NAME Airport Vehicle Lease-Purchase Acquisition / Debt Service
ACCOUNT # 443.4000.542.641400 / 443.4000.542.641500

TYPE OF EXPENSE
 New x Repair/Refurbish Replace x

TOTAL PROJECT COST See schedule below **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 Various

PROJECT DESCRIPTION
 Replacement of current Airport fleet vehicles using capital lease-purchase per attached replacement schedule.

JUSTIFICATION
 By using a lease-purchase program the City Garage predicts that over a 10 year period the City will save approximately \$800,000 City-wide over the current practice of keeping vehicles for 15 years. Savings will be achieved through reductions in maintenance, repairs, fuel usage and increased value when vehicles are sold.

Current Vehicle			Replacement Vehicle		
Vehicle #	Dept	Description	Description	Purchase Price	Increase to Debt Svc
2018-2019	12-A46	Airport Ford F150 1/2 Ton 4x2	LT PICKUP 1/2T	22,500	4,920

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	443 - Airport Construction
DEPARTMENT	Airport

PROJECT NAME REHABILITATE RUNWAY 12R-30L (EA)
ACCOUNT # 443.4000.542.617070

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 75,000 **GRANT FUNDING** Amount \$ 60,000
 Source/Agency FAA

PROJECT LOCATION
 Runway 12R-30L

PROJECT DESCRIPTION
 Perform an environmental assessment for the widening and rehabilitation of RWY 12R-30L.

JUSTIFICATION

This project is anticipated due to age of runway in 2019-2020. Runway was last overlaid in 2004. Under Part 139, Section 139.309, the safety area is required to be maintained. The airport is also evaluating the feasibility of widening the runway to 150ft, from the current 106ft. This environmental assessment is required to be performed prior to the design phase of this project.

PROJECT NAME CONSTRUCT HANGAR
ACCOUNT # 443.4000.542.617080

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 5,000,000 **GRANT FUNDING** Amount \$ 5,000,000
 Source/Agency *FDOT* \$ 4,000,000
P3 \$ 1,000,000

PROJECT LOCATION
 North Ramp/Airport midfield

PROJECT DESCRIPTION
 Construct new 35,000 square foot hangar to support increased capacity and corporate jet activity.

JUSTIFICATION

This project is intended to increase capacity to handle large-scale operators that utilize Design Group II aircraft at VRB. This will aid the airport to remedy an aircraft storage deficit as identified in the 2016 Airport Master Plan. In addition, the hangar is expected to bring new jobs to the community and increased revenue for the airport.

Project contingent on FDOT grant funding and Public Private Partnership (P3) agreement to cover remaining costs for construction.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	443 - Airport Construction
DEPARTMENT	Airport

PROJECT NAME REHABILITATE CENTER APRON
ACCOUNT # 443.4000.542.617030

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 3,200,000 **GRANT FUNDING** Amount \$ 2,560,000
 Source/Agency FDOT

PROJECT LOCATION
 Asphalt aircraft parking aprons east and west of the Airport's terminal building, under control of Sun Aviation and Airport, respectively.

PROJECT DESCRIPTION
 Rehabilitate center general aviation aircraft parking apron east of terminal building and a small section just west of the terminal building that is utilized for airline operations.

JUSTIFICATION
 This section of apron has reached the end of its useful life and may need total reconstruction. NOTE: Pavement was rated poor to fair in FDOT 2011 pavement evaluation and is currently being re-evaluated by FDOT.

PROJECT NAME REHABILITATE RUNWAY 12R-30L (DESIGN)
ACCOUNT # 443.4000.542._____

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 500,000 **GRANT FUNDING** Amount \$ 475,000
 Source/Agency FAA \$ 450,000
 FDOT \$ 25,000

PROJECT LOCATION
 Runway 12R-30L

PROJECT DESCRIPTION
 Mill and overlay main runway (12R-30L).

JUSTIFICATION
 This project is anticipated due to age of runway in 2019-2020. Runway was last overlaid in 2004. Under Part 139, Section 139.309, the safety area is required to be maintained. Design only is anticipated for 2020, to include runway safety areas and taxiway connectors. Potential for widening, contingent on environmental assessment and funding availability.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	443 - Airport Construction
DEPARTMENT	Airport

PROJECT NAME REHABILITATE RUNWAY 12R-30L (CONSTRUCTION)
ACCOUNT # 443.4000.542._____

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 4,500,000 **GRANT FUNDING** Amount \$ 4,275,000

Source/Agency *FAA* \$ 4,050,000
FDOT \$ 225,000

PROJECT LOCATION
 Runway 12R-30L

PROJECT DESCRIPTION
 Mill and overlay main runway (12R-30L).

JUSTIFICATION
 Rehabilitate main runway 12R/30L (7,314' x 100') including new LED lighting, re-marking, upgrade navigational aids, and improvement to safety areas. Potential for widening to 150', contingent on environmental assessment and funding availability.

PROJECT NAME REHABILITATE SOUTHWEST APRON
ACCOUNT # 443.4000.542._____

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

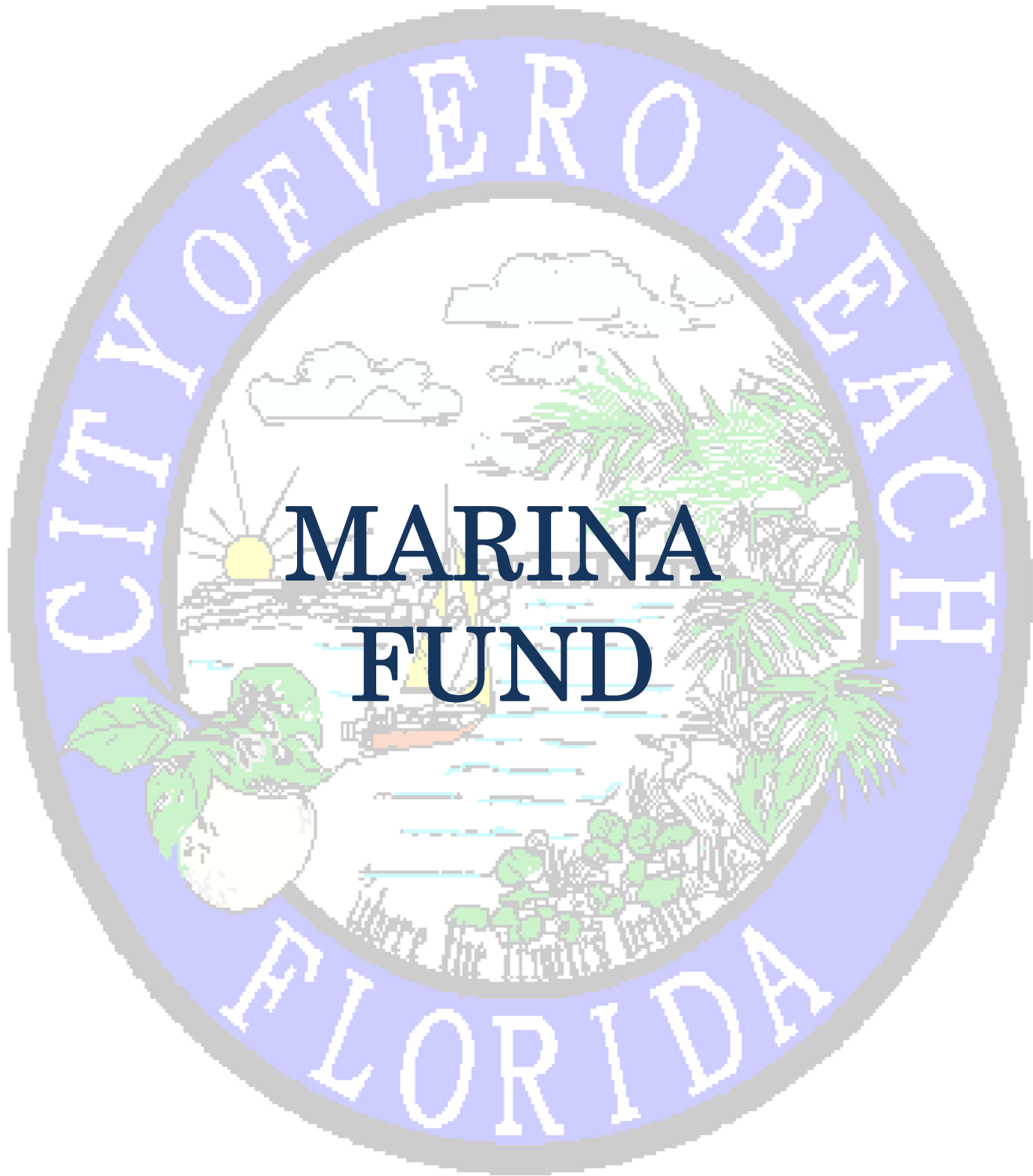
TOTAL PROJECT COST \$ 1,580,000 **GRANT FUNDING** Amount \$ 1,580,000

Source/Agency *FDOT* \$ 1,264,000
P3 \$ 316,000

PROJECT LOCATION
 Southwest Apron - Flight Safety Apron

PROJECT DESCRIPTION
 This project proposes to rehabilitate about 550,000 sf of general aviation aircraft parking apron located at the Flight Safety Academy site. Includes milling and overlay, marking, and tie-downs as needed.

JUSTIFICATION
 This area of apron has 2011 PCI readings ranging from 56-70.



**MARINA
FUND**

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

FUND 451: Marina

Account Number	Account Name	FY 17-18			FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
		FY 17-18 ORIGINAL BUDGET	FY 17-18 BUDGET INCREASE (DECREASE)	AMENDED FY 17-18					
CASH & INVESTMENTS BALANCE FORWARD (OCTOBER 1)		53,799	-	Audited 69,730	668	290,438	417,286	504,134	680,982
NET CASH AFTER OPERATING ACTIVITES/TRANSFERS		67,138	-	67,138	372,922	365,000	365,000	365,000	365,000
451.0000.3	TRANSFER FROM FUND 304-GENERAL CAPITAL AND CONSTRU	-	37,000	37,000	-	-	-	-	-
451.0000.334.072000	FL INLAND NAV DISTRICT (FIND) GRANTS	37,500	(37,500)	-	22,500	-	-	150,000	137,500
451.0000.334.073000	FL DEPT OF ENVIRONMENTAL PROTECTION GRANT	-	-	-	22,500	-	-	-	-
451.0000.383.000100	VEHICLE LEASE-PURCHASE PROCEEDS	-	-	-	200,000	-	-	-	-
TOTAL CASH AVAILABLE FOR CAPITAL EXPENDITURES		104,638	(500)	104,138	617,922	365,000	365,000	515,000	502,500
CAPITAL EXPENDITURES									
451.4100.575.603001	DOCK REPAIRS / CENTER DOCK REPLACEMENT	75,000	(19,800)	55,200	-	-	-	-	-
451.4100.575.615002	UPDATE/REMODEL NORTHERN RESTROOMS	25,000	93,000	118,000	-	-	-	-	-
451.4100.575.615067	REPLACE SEWAGE WASTE PUMPOUT SYSTEM	-	-	-	30,000	-	-	-	-
451.4100.575.615068	FLOATING DOCK WHALER AND THRU-ROD REPLACEMENT	-	-	-	60,000	-	-	-	-
451.4100.575.641400	MARINA EQUIPMENT LEASE-PURCHASE (FORKLIFT REPLACEMENT)	-	-	-	200,000	-	-	-	-
451.4100.575.641500	MARINA EQUIPMENT LEASE-PURCHASE DEBT SVC	-	-	-	38,152	38,152	38,152	38,152	38,152
451.4100.575._____	MOORING FIELD EXPANSION	-	-	-	-	100,000	80,000	-	-
451.4100.575._____	A DOCK REPAIRS AND REPLACEMENT	-	-	-	-	50,000	-	-	-
451.4100.575._____	DRYSTACK DOOR REPLACEMENT	-	-	-	-	50,000	-	-	-
451.4100.575._____	NORTH DOCK STRUCTURAL SURVEY	-	-	-	-	-	25,000	-	-
451.4100.575._____	DREDGE NORTH DOCKS/NORTH FAIRWAY	-	-	-	-	-	100,000	-	-
451.4100.575._____	DINGHY DOCK ADDITION	-	-	-	-	-	35,000	-	-
451.4100.575._____	EXTEND NORTH T-HEAD	-	-	-	-	-	-	225,000	-
451.4100.575._____	NORTH DOCK REPAIRS	-	-	-	-	-	-	75,000	-
451.4100.575._____	EAST LAGOON SLIPS	-	-	-	-	-	-	-	200,000
451.4100.575._____	EAST LAGOON JET DOCKS	-	-	-	-	-	-	-	75,000
Total Expenditures		100,000	73,200	173,200	328,152	238,152	278,152	338,152	313,152
Excess (Deficiency) of Cash over Expenditures		4,638	(73,700)	(69,062)	289,770	126,848	86,848	176,848	189,348
ENDING CASH BALANCE (SEPTEMBER 30)		58,437		668	290,438	417,286	504,134	680,982	870,330

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	451 - Marina		
DEPARTMENT	Marina		

PROJECT NAME Replace Sewage Waste Pumpout System
ACCOUNT # 451.4100.575.615067

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 30,000 **GRANT FUNDING** Amount \$ 22,500
 Source/Agency FLDEP-75/25

PROJECT LOCATION
 3611 Rio Vista Blvd.

PROJECT DESCRIPTION
 Replace primary vessel sewage pumpout system.

JUSTIFICATION
 The existing vacuum system is 19 years old and is being nursed along. It will not make it another full year. One of our customer service highlights is that we have a functional system 7 days per week. A fully operational system also deters vessels from polluting the Indian River Lagoon.

PROJECT NAME	Floating Dock Whaler and Thru-Rod Replacement		
ACCOUNT #	451.4100.575.615068		

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 60,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 3599 Rio Vista Blvd.

PROJECT DESCRIPTION
 Repair aging floating docks.

JUSTIFICATION
 The existing wood whalers and thru-rods that hold the floating cells together are deteriorating. Some have been replaced and more will most likely be replaced as needed/possible from the Docks Maintenance account.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	451 - Marina
DEPARTMENT	Marina

PROJECT NAME Marina Equipment Lease-Purchase / Debt Service (Forklift Replacement)
ACCOUNT # 451.4100.575.641400 / 451.4100.575.641500

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 200,000 *Estimated Acquisition* **GRANT FUNDING** Amount \$ -
 \$ 38,152 *Estimated Annual Debt Service* Source/Agency N/A

PROJECT LOCATION
 3599 Rio Vista Blvd.

PROJECT DESCRIPTION
 Replace existing forklift through lease purchase program.

JUSTIFICATION
 The existing Wiggins Marina Bull was built in 1996. Although it is still serviceable, it will become harder to find parts. We do not have a spare forklift as most facilities do, so it is important that we are able to remain in service. The estimated cost is for a new vehicle. There are used vehicle and leasing options, however our machine is a short wheel base built to operate in the small aisle space we have.



PROJECT NAME Mooring Field Expansion
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 180,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 3611 Rio Vista Blvd.

PROJECT DESCRIPTION
 Expand mooring field to the north and west with approximately 20 additional moorings.
 2019/2020 Phase I - Engineering and Design - \$100,000
 2020/2021 Phase II - Construction - \$80,000

JUSTIFICATION
 Demand has been demonstrated by the additional vessels anchoring north of the mooring field and south of the Barber bridge due to crowding.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	451 - Marina		
DEPARTMENT	Marina		

PROJECT NAME Replace Remaining A dock Whalers, Thru Rods, and Guide Piles
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 50,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 3599 Rio Vista Blvd.

PROJECT DESCRIPTION
 Upgrade deteriorated A dock wood and metal. Repalce guide piles and guides.

JUSTIFICATION
 The existing wood and rods holding the float cells together are deteriorating. This should give us another 15-20 years serviceable life.



PROJECT NAME Replace Drystack Doors
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New Repair/Refurbish Replace x

TOTAL PROJECT COST \$ 50,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 3599 Rio Vista Blvd.

PROJECT DESCRIPTION
 Replace inoperable drystack doors.

JUSTIFICATION

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	451 - Marina		
DEPARTMENT	Marina		

PROJECT NAME Structural Survey of North Dock
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 25,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 3611 Rio Vista Blvd.

PROJECT DESCRIPTION
 Stuctural Survey.

JUSTIFICATION

Approximately one third of the Main North Dock was replaced over 20 years ago. With some age and stress fractures the remaining two thirds should be inspected by an engineer.



PROJECT NAME Dredge North Docks and North Fairway
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST \$ 100,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 3611 Rio Vista Blvd.

PROJECT DESCRIPTION
 Deepen slips and fairway on North edge of marina.

JUSTIFICATION

After 15 tropical systems in the last 20 years silt and much has moved in.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	451 - Marina
DEPARTMENT	Marina

PROJECT NAME Add Additional Dinghy Dock Space
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 35,000 **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
 3611 Rio Vista Blvd.

PROJECT DESCRIPTION
 Add an additional 100' of dinghy dock

JUSTIFICATION
 Adding additional moorings will require this.



PROJECT NAME Extend North T-Head 150'
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 225,000 **GRANT FUNDING** Amount \$ 112,500
 Source/Agency F.I.N.D.

PROJECT LOCATION
 3611 Rio Vista Blvd.

PROJECT DESCRIPTION
 Add an additional 150' to the T-Head to accommodate more large yachts.

JUSTIFICATION
 We get many requests each season for vessels 90' or longer for longer term stays. Unfortunately we must turn them away.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	451 - Marina
DEPARTMENT	Marina

PROJECT NAME North Dock Repairs
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New Repair/Refurbish x Replace

TOTAL PROJECT COST \$ 75,000 **GRANT FUNDING** Amount \$ 37,500
 Source/Agency F.I.N.D.

PROJECT LOCATION
 3611 Rio Vista Blvd.

PROJECT DESCRIPTION
 Make necessary structural repairs

JUSTIFICATION
 Anticipated repair costs from previous year's survey.



PROJECT NAME East Lagoon Slips
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 200,000 **GRANT FUNDING** Amount \$ 100,000
 Source/Agency F.I.N.D.

PROJECT LOCATION
 3611 Rio Vista Blvd.

PROJECT DESCRIPTION
 Add 30-40 small boat slips in East Lagoon.

JUSTIFICATION
 Population growth in Indian River County. Will also promote local boat sales.

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	451 - Marina
DEPARTMENT	Marina

PROJECT NAME Install five (5) Jet Docks in E Lagoon
ACCOUNT # 451.4100.575._____

TYPE OF EXPENSE
 New x Repair/Refurbish Replace

TOTAL PROJECT COST \$ 75,000 **GRANT FUNDING** Amount \$ 37,500
 Source/Agency F.I.N.D.

PROJECT LOCATION
 3611 Rio Vista Blvd.

PROJECT DESCRIPTION
 Add 5 floating drive-on docks in E. Lagoon

JUSTIFICATION
 Current customers are looking for ways to store their boats out of the water.



**SOLID WASTE
FUND**

**CITY OF VERO BEACH
FIVE YEAR CAPITAL IMPROVEMENT PROGRAM**

FUND 461: Solid Waste

Account Number	Account Name	FY 17-18	FY 17-18	AMENDED FY 17-18 BUDGET	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23
		ORIGINAL BUDGET	BUDGET INCREASE (DECREASE)						
AVAILABLE CASH AND INVESTMENTS BALANCE FORWARD (OCTOBER 1)		996,553	-	1,006,412	705,485	718,904	589,142	604,380	603,881
NET CASH AFTER OPERATING ACTIVITIES/TRANSFERS		154,264	-	154,264	133,181	140,000	260,000	260,000	260,000
461.0000.383.000100	CAPITAL LEASE PROCEEDS (VEHICLE LEASE-PURCHASE)	24,000	-	24,000	25,000	-	-	-	-
		178,264	-	178,264	158,181	140,000	260,000	260,000	260,000
CAPITAL EXPENDITURES									
461.3308.534.613001	SOLID WASTE VEHICLE PURCHASE	475,000	(32,637)	442,363	100,000	250,000	225,000	250,000	235,000
461.3308.534.641400	SOLID WASTE LIGHT VEHICLE LEASE-PURCHASE ACQUISITION	24,000	(1,318)	22,682	25,000	-	-	-	-
461.3308.534.641500	SOLID WASTE LIGHT VEHICLE LEASE-PURCHASE DEBT SERVICE	14,654	(508)	14,146	19,762	19,762	19,762	10,499	5,616
Total Expenditures		513,654	(34,463)	479,191	144,762	269,762	244,762	260,499	240,616
Excess (Deficiency) of Cash over Expenditures		(335,390)	34,463	(300,927)	13,419	(129,762)	15,238	(499)	19,384
AVAILABLE ENDING CASH BALANCE (SEPTEMBER 30)		661,163		705,485	718,904	589,142	604,380	603,881	623,265

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	461 - Solid Waste
DEPARTMENT	Public Works

PROJECT NAME Solid Waste Vehicle Purchase (Replace Garbage Trucks)
ACCOUNT # 461.3308.534.613001

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST See schedule below **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
N/A

PROJECT DESCRIPTION
Replace Garbage trucks.

JUSTIFICATION

The trucks will have exceeded the normal years of service and begin having more mechanical breakdowns which reduces our ability to provide timely service to our customers.

	Current Vehicle			Replacement Vehicle	
	Vehicle #	Dept	Description	Description	Purchase Price
2018-2019	550	Solid Waste	2008 Ford Dumpstr Trnsprt	Dumpster Transport	60,000
	553	Solid Waste	1999 Ford Lift Gate Stk Bdy	Lift Gate Stake Body	40,000
				Subtotal	\$ 100,000
2019-2020	554	Solid Waste	2014 Mack Front Loader	Front Loader	\$ 250,000
2020-2021	547	Solid Waste	2007 Crane Carrier Rr Ldr	Rear Loader	\$ 225,000
2021-2022	556	Solid Waste	2016 Mack Front Loader	Front Loader	\$ 250,000
2022-2023	555	Solid Waste	2014 Crane Carrier Rr Ldr	Rear Loader	\$ 235,000

**FIVE YEAR CAPITAL PROGRAM EXPENDITURE REQUESTS
FISCAL YEARS ENDING 2019-2023**

FUND	461 - Solid Waste
DEPARTMENT	Public Works

PROJECT NAME Solid Waste Light Vehicle Lease-Purchase Acquisition / Debt Service
ACCOUNT # 461.3308.534.641400 / 461.3308.534.641500

TYPE OF EXPENSE
 New Repair/Refurbish Replace

TOTAL PROJECT COST See schedule below **GRANT FUNDING** Amount \$ -
 Source/Agency N/A

PROJECT LOCATION
N/A

PROJECT DESCRIPTION
Replace existing light vehicles through a lease-purchase program per attached schedule.

JUSTIFICATION

By using a lease-purchase program we predict that over a 10 year period the City will save approximately \$800,000 City-wide over the current practice of keeping vehicles for 15 years. Savings will be achieved through reductions in maintenance, repairs, fuel usage and increased value when vehicles are sold.

Current Vehicle			Replacement Vehicle		
Vehicle #	Dept	Description	Description	Purchase Price	Increase to Debt Svc
2019-2020	12-545	Solid Waste 2006 Chevy 1/2 Ton 4x2	LT PICKUP 1/2T	25,000	5,616