

**DRAFT FOR DISCUSSION: 2045 CAPITAL FUNDING NEEDS**

	B	C	D	E	F	H	I	J	K	L	M	N	O
1	<u>Project # for Ref.</u>	<u>GENERAL NOTES</u>	<u>Project Name</u>	<u>Measure Paying for Project</u>	<u>Funding Available (Y, N)</u>	<u>Projected Total Expense</u>	<u>Construction Costs</u>	<u>Soft Costs (22% of Construction)</u>	<u>Placement / Fees / Outreach / Solicitation (5% of Construction)</u>	<u>Contingency (15% of Const., Conting., Fees)</u>	<u>Project Commencement Date (Start Incurring Spends \$)</u>	<u>Projected Completion Date</u>	<u>Life Expectancy</u>
2	1	Irrigation, grading, turf replacement, and front post replacement.	Montego Park Phase 4 - Turf and Irrigation	OPP / A	Y	\$ 167,958	\$ 115,000	\$ 25,300	\$ 5,750	\$ 21,908	2022	2022/2023	20
3	2	Funded and to be performed in Sep. 2021 ~10-15 year cycle	North Lagoon Dredge - 2021	D	Y	\$ 1,095,375	\$ 750,000	\$ 165,000	\$ 37,500	\$ 142,875	2020	2021	15
4	3	New floats at Bahama Reef West	Bahama Reef Boat Ramp / Floats	D	Y	\$ 51,118	\$ 35,000	\$ 7,700	\$ 1,750	\$ 6,668	2021	2021/2022	25
5	4	Previously approved phase of work to tie in bocce area, repair concrete, replace plantings	Montego Park Bocce Surround / Plantings	A	Y	\$ 65,723	\$ 45,000	\$ 9,900	\$ 2,250	\$ 8,573	2021	2020/2021	15
6	5	Security fencing and vegetation removal	Hudson Park Fencing / Veg Mgmt	A / D / OPP	Y	\$ 36,513	\$ 25,000	\$ 5,500	\$ 1,250	\$ 4,763	2021	2021/2022	20
7	6	Pre planned additional fitness stations / hub	Montego Fitness	A	Y	\$ 43,815	\$ 30,000	\$ 6,600	\$ 1,500	\$ 5,715	2022	2022/2023	15
8	7	Replace existing multi-use large play structure	Montego Play Structure	A	Y	\$ 65,723	\$ 45,000	\$ 9,900	\$ 2,250	\$ 8,573	2022	2022/2023	20
9	8	Existing has reached useful life. Repl with multi function	Cavalla Cay Water Fountain	A	Y	\$ 14,605	\$ 10,000	\$ 2,200	\$ 500	\$ 1,905	2022	2022/2023	20
10	9	Aged electrical components starting to fail/Need replacement and modernization. DST Report has more information	South Lock Modernization		N	\$ 328,613	\$ 225,000	\$ 49,500	\$ 11,250	\$ 42,863	2023	2023/2024	30
11	10	Aged electrical components starting to fail/Need replacement and modernization. DST Report has more information	North Lock Modernization		N	\$ 328,613	\$ 225,000	\$ 49,500	\$ 11,250	\$ 42,863	2023	2023/2024	30
12	11	Hydraulic system replacement for mechanical gate operation	South Lock Mechanical Replacements		N	\$ 730,250	\$ 500,000	\$ 110,000	\$ 25,000	\$ 95,250	2032	2034	50
13	12	Hydraulic system replacement for mechanical gate operation	North Lock Mechanical Replacements		N	\$ 730,250	\$ 500,000	\$ 110,000	\$ 25,000	\$ 95,250	2032	2034	50
14	13	25k / year allotment. Needs longterm funding, funding available for 2022	DMMS Post North Lagoon Dredging Monitoring		N	\$ 730,250	\$ 500,000	\$ 110,000	\$ 25,000	\$ 95,250	2021	2021-2043 Yrly	1
15	14	Levee repairs will be based upon survey / engineering recs. Some softs costs happening now, construction unfunded	South Lagoon Levee (across from Bahama)		N	\$ 365,125	\$ 250,000	\$ 55,000	\$ 12,500	\$ 47,625	2021	2023/2024	25
16	15	Replace aged out Cathodic Protection Anode Bed	South Lock Anode Bed Install		N	\$ 219,075	\$ 150,000	\$ 33,000	\$ 7,500	\$ 28,575	2032	2033	20-25
17	16	Replace aged out Cathodic Protection Anode Bed. Last replaced in 09/10	North Lock Anode Bed Install		N	\$ 219,075	\$ 150,000	\$ 33,000	\$ 7,500	\$ 28,575	2034	2035	20-25
18	17	Pushed Project to do other priorities. Needs to be completed	North Lock Coating Project		N	\$ 365,125	\$ 250,000	\$ 55,000	\$ 12,500	\$ 47,625	2024	2025	20
19	18	Pushed Project to do other priorities. Needs to be completed	South Lock Coating Project		N	\$ 365,125	\$ 250,000	\$ 55,000	\$ 12,500	\$ 47,625	2026	2027	20
20	19	~10-15 year cycle	~2035 Dredging North Lagoon/Sump and Gates		N	\$ 1,241,425	\$ 850,000	\$ 187,000	\$ 42,500	\$ 161,925	2032	2035	15
21	20	This is technically beyond our 2043 (20 year) plan. Possible consider extending program to 2045	~2045 Dredging North Lagoon/Sump and Gates		N	\$ 1,679,575	\$ 1,150,000	\$ 253,000	\$ 57,500	\$ 219,075	2043	2045	15

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22	21	Misc. Projects 2023-2043	Marine Infrastructure / Floats/ Gangways		N	\$ 584,200	\$ 400,000	\$ 88,000	\$ 20,000	\$ 76,200	2023	2043	20
23	22	Misc. Projects 2023-2043. Several portions of the levee are not armored or will require extensive repairs	Remaining S Lagoon Levee Armament		N	\$ 1,825,625	\$ 1,250,000	\$ 275,000	\$ 62,500	\$ 238,125	2023	2043	25
24	23	Topping Projects 2023-2043	South Lagoon Levee Topping		N	\$ 1,095,375	\$ 750,000	\$ 165,000	\$ 37,500	\$ 142,875	2024	2043	10
25	24	Additional Support for South and provide better response time compared to Work Barge. With boat lift.	Vessel for South Lagoon - Response		N	\$ 73,025	\$ 50,000	\$ 11,000	\$ 2,500	\$ 9,525	2024	2026	25
26	25	Would be coordinated with the Novato Creek Watershed Improvements	Dredging Novato Creek		N	\$ 1,241,425	\$ 850,000	\$ 187,000	\$ 42,500	\$ 161,925	2024	2043	15
27	26	Funds toward improving tidal prism/partnering funds for dredge opportunities	Novato Creek Watershed Improvements		N	\$ 1,825,625	\$ 1,250,000	\$ 275,000	\$ 62,500	\$ 238,125	2024	2043	15
28	27	Provide Adaptation for Sea-level Rise and Novato Creek Water Release Challenges. Redesign of North Lagoon Sluice Gates.	Mechanical Pumps N and S Lagoons		N	\$ 803,275	\$ 550,000	\$ 121,000	\$ 27,500	\$ 104,775	2032	2040	30
29	28	Gravity System/Augment what is in place	Additional Overflow/Spillway S Lagoon		N	\$ 365,125	\$ 250,000	\$ 55,000	\$ 12,500	\$ 47,625	2030	2035	30
30	29	Flooring/Roofing/Windows/HVAC/Bar Equip./ Appliances	Community Center		N	\$ 292,100	\$ 200,000	\$ 44,000	\$ 10,000	\$ 38,100	2023	2043	20
31	30	Algae / Inv. Species / Aeration	Lagoons Water Quality		N	\$ 730,250	\$ 500,000	\$ 110,000	\$ 25,000	\$ 95,250	2023	2043	20
32	31	Remove sediment from when gate is open	End Moat Dredge		N	\$ 182,563	\$ 125,000	\$ 27,500	\$ 6,250	\$ 23,813	2027	2028	10
33	32	North Lock Wing Wall Coating	North Lock Wing Wall Coating		N	\$ 511,175	\$ 350,000	\$ 77,000	\$ 17,500	\$ 66,675	2029	2030	20
34	33	Cameras, infrastructure, gates (2023-2043)	Security for District		N	\$ 511,175	\$ 350,000	\$ 77,000	\$ 17,500	\$ 66,675	2023	2043	10
35	34	This is technically beyond our 2043 (20 year) plan. Possible consider extending program to 2045.	South Lagoon / South Lock Spot Dredging		N	\$ 876,300	\$ 600,000	\$ 132,000	\$ 30,000	\$ 114,300	2043	2045	20
36	35	Costs for administering future legal issues and enforcing ordinances	Admin / Legal / Ordinances		N	\$ 1,000,000		\$ -	\$ -	\$ -	2025	2045	20
37													
38	<b>Not inc. Projects 1-8 \$ 19,219,738 \$ 12,475,000 \$ 2,744,500 \$ 623,750 \$ 2,376,488</b>												
39													
40	<b>Total / Parcel (703) \$ 27,339.60</b>												
41	<b>Total / Parcel / Yr (20y) \$ 1,367</b>												
42	<b>Total /Parcel / Month \$ 113.91</b>												