

## M E M O R A N D U M

**To:** Howard Tipton, Town Manager  
**From:** Charles Mopps, Assistant Public Works Director  
**Report date:** October 25, 2023  
**Meeting date:** November 6, 2023  
**Subject:** Canal Navigation Maintenance Program Update

### **Recommended Action**

Approve the funding methodology and proceed to community workshops.

### **Background**

At the March 22, 2021, Regular Workshop Meeting, staff updated the Commission on further development of the program including the determination that the Town canals generally fall into one of three (3) categories:

- Access channels, generally perpendicular to the island, providing access to the Bay and Intercoastal Waterway (similar to an arterial roadway).
- Perimeter channels, generally parallel to the island, connecting to and collecting from residential canals, restaurants, and commercial marinas to the rest of the island and to the bay access channels (similar to a collector roadway).
- Local, residential canals, typically dead end, and serving a specific group of residences (similar to a dead-end local roadway).

Staff also discussed the history of the Towns efforts on attempting to develop a Navigation Maintenance Program, the Navigation Maintenance Program Management approaches, and various funding approaches for the program. At that meeting, consensus was given to hire a consultant to move the program forward.

Taylor Engineering (Taylor) and its subcontractor, Anser Advisory, formally Government Services Group (GSG) was retained to assist the Town in the development of an assessment program(s) to fund localized canal navigation maintenance and capital improvements that will be collected on the November 2024 tax bill. At the March 20, 2023, Town Commission Regular Workshop Meeting, Taylor and Anser presented a path forward to establish funding for a Navigation Maintenance Program, Phase I. The Consultants will present the results of the Phase II efforts.

Phase I efforts are complete. These efforts included the review of Town provided information detailing the assessment process for the Town's beach nourishment program and underground utility program. Taylor developed a GIS database to inventory the individual canals and classify them as public or private ownership,

and by use (access channels, perimeter channels, and local canals). Taylor segregated these canals into seven groups that will facilitate maintenance logistics. The results of these efforts were discussed with Town staff to help plan a path forward to develop a funding program to ensure the continued maintenance of the navigation components of the canal system.

Phase II is in progress and is developing the funding program. This includes estimating navigation maintenance costs and determining applicable methodology to distribute the costs to the appropriate canal groups. Taylor and Anser is using these costs to determine preliminary revenue requirements and proforma schedule of rates. Community outreach will include initial and assessment workshops, subgroup meetings, and final memorandum presentations to the Town Commission.

Phase III will include program implementation and will run into 2024. Significant tasks will include updating preliminary assessment rolls, ordinance development, developing assessment resolutions, assisting with the rate adoption process, and creating final assessment rolls. Finally, using the final assessment rolls, Anser will certify, export, and transmit the final assessment rolls to the Sarasota and Manatee County Tax Collectors by September 15, 2024.

### **Next Steps**

Move forward with the conclusion of Phase II, including all remaining tasks and if approved, move through Phase III of the Funding Program Development.

### **Staff Recommendation**

Approve the funding methodology and proceed to community workshops.

### **Attachments**

- A. Summary Memo, Taylor Engineering, Inc.
- B. Canal Grouping Overview
- C. PowerPoint Presentation
- D. Assessable Budgets Back Up
- E. Dredging Cost Breakdown Back Up
- F. Inflation Adjusted Cost Breakdown Back Up

**Presentation Summary Memo**

To: Charlie Mopps,  
Assistant Public Works Director  
Town of Longboat Key Public Works

From: Terry Cake, P.E., Senior Project Engineer

Date: October 26, 2023

Re: Longboat Key Funding Program for Canal Maintenance

---

The Town of Longboat Key, Florida seeks to develop its Canal Navigation Maintenance and Management Plan for future maintenance dredging needs to support navigation within the Town's 81 access, perimeter, and local canals. Taylor Engineering (Taylor) and its subcontractor, Anser Advisory, is assisting the Town in the development of an assessment program(s) to fund localized canal navigation maintenance and capital improvements that will be collected on the November 2024 tax bill. At the November 6<sup>th</sup> Town Commission meeting, Taylor and Anser will present the results of the tasks performed to date and the proposed path forward to implement this program.

Phase I efforts are complete. These efforts included the review of Town provided information detailing the assessment process for the Towns' beach nourishment program and underground utility program. Taylor developed a GIS database to inventory the individual canals and classify them as public or private ownership, and by use (access channels, perimeter channels, and local canals) and benefit (general, cost-share, and direct). Taylor segregated these canals into seven groups that will facilitate funding and maintenance logistics. The results of these efforts were discussed with Town staff to help develop a path forward to complete a funding program that will ensure the continued maintenance of the navigation components of the canal system.

The majority of the Phase II tasks to develop the funding program are complete or nearing completion. These tasks include estimating navigation maintenance costs and determining applicable methodology to distribute the costs to the appropriate canal groups and tax parcels. Taylor and Anser used these costs to determine preliminary revenue requirements and proforma schedule of rates. Community outreach will include initial and assessment workshops, subgroup meetings, and final memorandum presentations to the Town Commission.

Phase III will include program implementation and will run into 2024. Significant tasks will include updating preliminary assessment rolls, ordinance development, developing assessment resolution, assisting with the rate adoption process, and creating final assessment rolls. Finally, using the final assessment rolls, GSG will certify, export and transmit the final assessment rolls to the Sarasota and Manatee County Tax Collectors by September 15, 2024.



Group 1

Group 2

Group 3

Group 4

Group 5

Group 6

Group 7

MANATEE COUNTY  
SARASOTA COUNTY

**Legend**

- Access Channel - General Benefit
- Arterial Channel - Cost Share Benefit
- Local Canal - Direct Benefit
- County Boundary

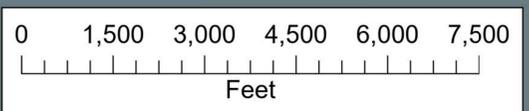




IMAGE SOURCE: FDOT 2020



Taylor Engineering, Inc.  
10199 Southside Blvd.  
Suite 310  
Jacksonville, FL 32256

**LONGBOAT KEY  
PRELIMINARY CANAL  
TYPE CLASSIFICATION**

**CANAL GROUP 1**

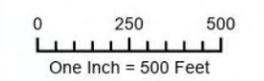


SARASOTA COUNTY &  
MANATEE COUNTY, FL



Image Source on Locator Map: World\_Imagery;  
Source: Esri, Maxar, Earthstar Geographics, and  
the GIS User Community

CANAL CLASSIFICATION	
	Access Channel - General Benefit
	Arterial Channel - Cost Share Benefit
	Local Canal - Direct Benefit

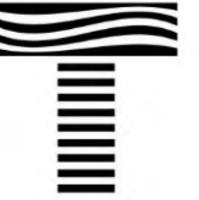


PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	1 of 11



IMAGE SOURCE: FDOT 2020

S:\Projects\C2022\_032\_LBK\_Canals\GIS\MapDocs\Canal GroupingDO NOT MOVE.aprx



Taylor Engineering, Inc.  
10199 Southside Blvd.  
Suite 310  
Jacksonville, FL 32256

LONGBOAT KEY  
PRELIMINARY CANAL  
TYPE CLASSIFICATION

CANAL GROUP 2



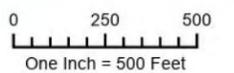
SARASOTA COUNTY &  
MANATEE COUNTY, FL



Image Source on Locator Map: World Imagery;  
Source: Esri, Maxar, Earthstar Geographics, and  
the GIS User Community

CANAL CLASSIFICATION

- Access Channel - General Benefit
- Arterial Channel - Cost Share Benefit
- Local Canal - Direct Benefit



PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	2 of 11

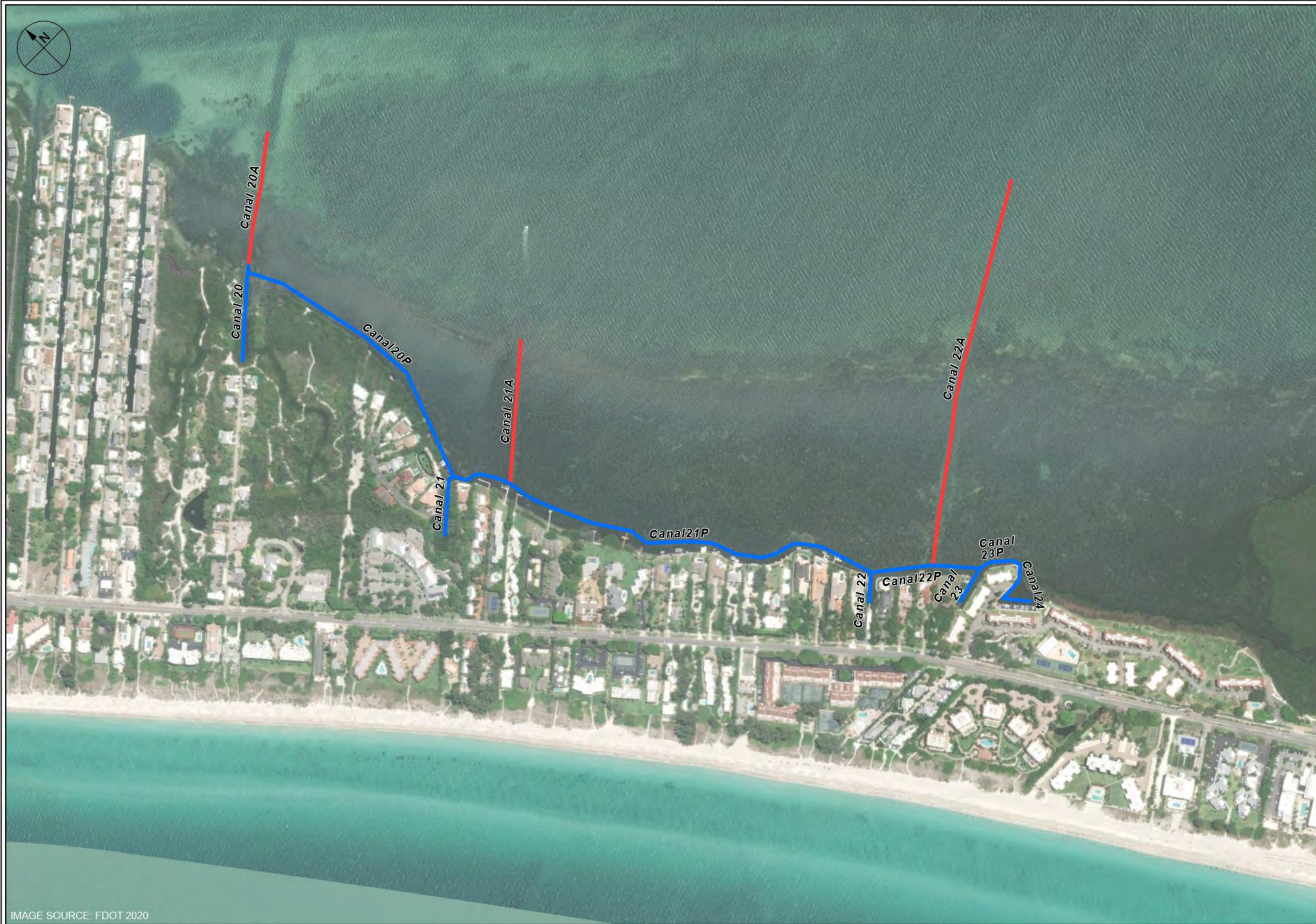
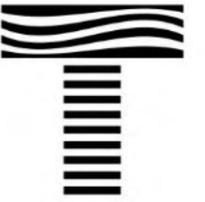


IMAGE SOURCE: FDOT 2020



Taylor Engineering, Inc.  
10199 Southside Blvd.  
Suite 310  
Jacksonville, FL 32256

LONGBOAT KEY  
PRELIMINARY CANAL  
TYPE CLASSIFICATION

CANAL GROUP 3



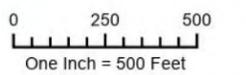
SARASOTA COUNTY &  
MANATEE COUNTY, FL



Image Source on Locator Map: World\_Imagery;  
Source: Esri, Maxar, Earthstar Geographics, and  
the GIS User Community

CANAL CLASSIFICATION

- Access Channel - General Benefit
- Arterial Channel - Cost Share Benefit
- Local Canal - Direct Benefit



PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	3 of 11

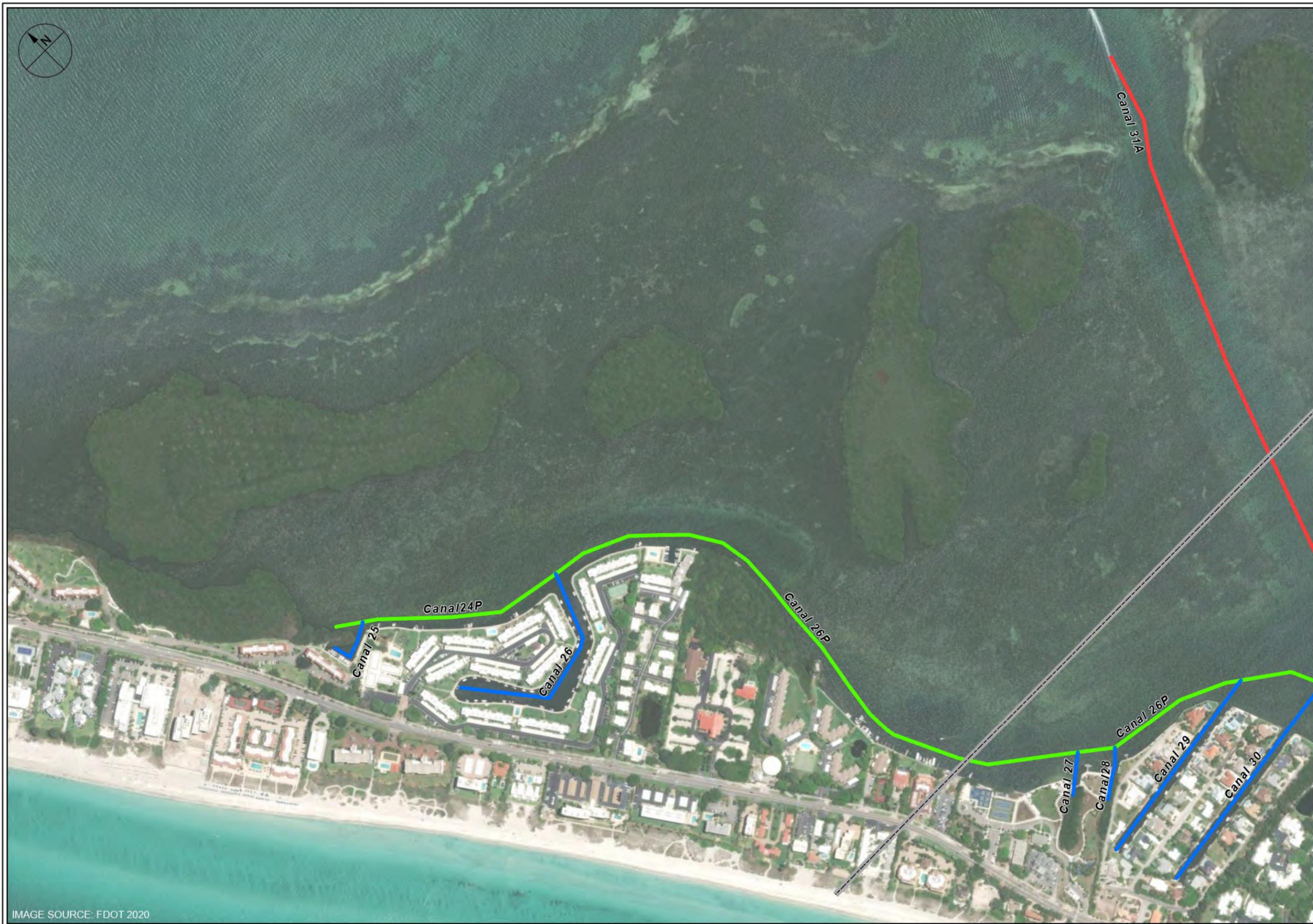


IMAGE SOURCE: FDOT 2020



Taylor Engineering, Inc.  
10199 Southside Blvd.  
Suite 310  
Jacksonville, FL 32256

**LONGBOAT KEY  
PRELIMINARY CANAL  
TYPE CLASSIFICATION**

**CANAL GROUP 4**

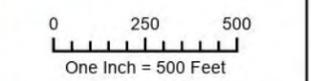


SARASOTA COUNTY &  
MANATEE COUNTY, FL



Image Source on Locator Map: World Imagery:  
Source: Esri, Maxar, Earthstar Geographics, and  
the GIS User Community

CANAL CLASSIFICATION	
	Access Channel - General Benefit
	Arterial Channel - Cost Share Benefit
	Local Canal - Direct Benefit



PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	4 of 11

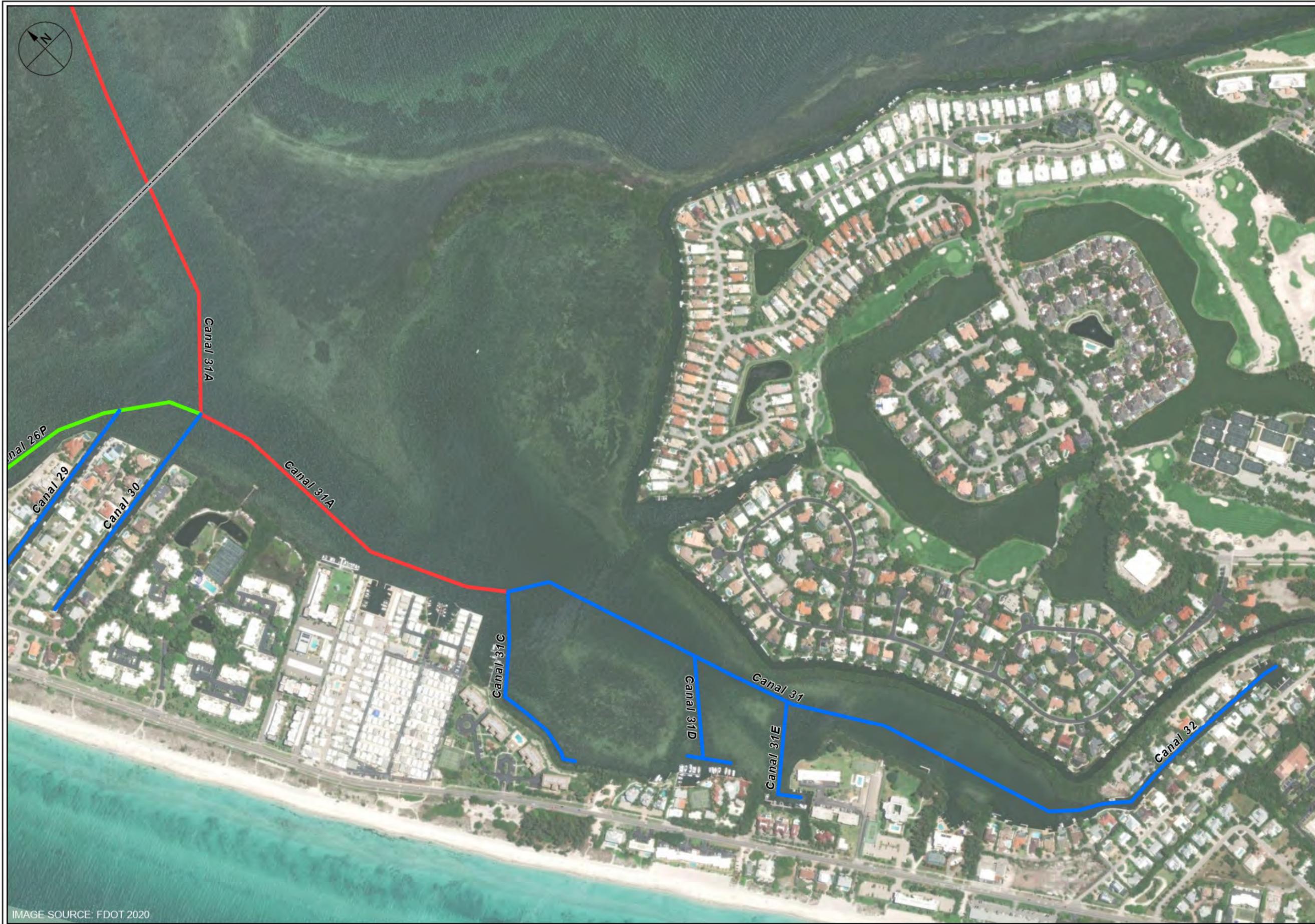


IMAGE SOURCE: FDOT 2020



Taylor Engineering, Inc.  
10199 Southside Blvd.  
Suite 310  
Jacksonville, FL 32256

**LONGBOAT KEY  
PRELIMINARY CANAL  
TYPE CLASSIFICATION**

**CANAL GROUP 4**



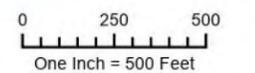
SARASOTA COUNTY &  
MANATEE COUNTY, FL



Image Source on Locator Map: World\_Imagery;  
Source: Esri, Maxar, Earthstar Geographics, and  
the GIS User Community

**CANAL CLASSIFICATION**

- Access Channel -  
General Benefit
- Arterial Channel -  
Cost Share Benefit
- Local Canal -  
Direct Benefit



PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	5 of 11



Taylor Engineering, Inc.  
 10199 Southside Blvd.  
 Suite 310  
 Jacksonville, FL 32256

**LONGBOAT KEY  
 PRELIMINARY CANAL  
 TYPE CLASSIFICATION**

CANAL GROUP 5



SARASOTA COUNTY &  
 MANATEE COUNTY, FL

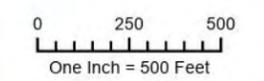


LOCATOR MAP

Image Source on Locator Map: World\_Imagery;  
 Source: Esri, Maxar, Earthstar Geographics, and  
 the GIS User Community

**CANAL CLASSIFICATION**

- Access Channel - General Benefit
- Arterial Channel - Cost Share Benefit
- Local Canal - Direct Benefit



PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	6 of 11



IMAGE SOURCE: FDOT 2020



IMAGE SOURCE: FDOT 2020



Taylor Engineering, Inc.  
10199 Southside Blvd.  
Suite 310  
Jacksonville, FL 32256

LONGBOAT KEY  
PRELIMINARY CANAL  
TYPE CLASSIFICATION

CANAL GROUP 5

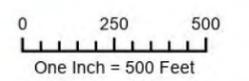


SARASOTA COUNTY &  
MANATEE COUNTY, FL



Image Source on Locator Map: World Imagery;  
Source: Esri, Maxar, Earthstar Geographics, and  
the GIS User Community

CANAL CLASSIFICATION	
	Access Channel - General Benefit
	Arterial Channel - Cost Share Benefit
	Local Canal - Direct Benefit



PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	7 of 11



IMAGE SOURCE: FDOT 2020



Taylor Engineering, Inc.  
10199 Southside Blvd.  
Suite 310  
Jacksonville, FL 32256

LONGBOAT KEY  
PRELIMINARY CANAL  
TYPE CLASSIFICATION

CANAL GROUP 5



SARASOTA COUNTY &  
MANATEE COUNTY, FL

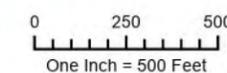


LOCATOR MAP

Image Source on Locator Map: World\_Imagery;  
Source: Esri, Maxar, Earthstar Geographics, and  
the GIS User Community

CANAL CLASSIFICATION

- Access Channel - General Benefit
- Arterial Channel - Cost Share Benefit
- Local Canal - Direct Benefit



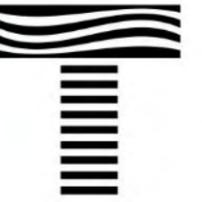
PROJECT C2022-032

DRAWN BY PL

DATE 10/25/2023

DATUM NAD83, MLLW

SHEET 8 of 11



Taylor Engineering, Inc.  
 10199 Southside Blvd.  
 Suite 310  
 Jacksonville, FL 32256

**LONGBOAT KEY  
 PRELIMINARY CANAL  
 TYPE CLASSIFICATION**

**CANAL GROUP 6**



SARASOTA COUNTY &  
 MANATEE COUNTY, FL

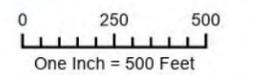


LOCATOR MAP

Image Source on Locator Map: World\_Imagery;  
 Source: Esri, Maxar, Earthstar Geographics, and  
 the GIS User Community

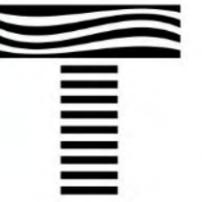
**CANAL CLASSIFICATION**

- Access Channel - General Benefit
- Arterial Channel - Cost Share Benefit
- Local Canal - Direct Benefit



PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	9 of 11





Taylor Engineering, Inc.  
 10199 Southside Blvd.  
 Suite 310  
 Jacksonville, FL 32256

**LONGBOAT KEY  
 PRELIMINARY CANAL  
 TYPE CLASSIFICATION**

**CANAL GROUP 6**



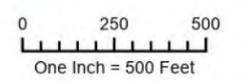
SARASOTA COUNTY &  
 MANATEE COUNTY, FL



Image Source on Locator Map: World\_Imagery;  
 Source: Esri, Maxar, Earthstar Geographics, and  
 the GIS User Community

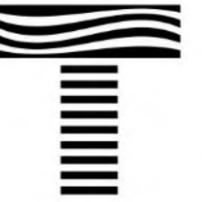
**CANAL CLASSIFICATION**

	Access Channel - General Benefit
	Arterial Channel - Cost Share Benefit
	Local Canal - Direct Benefit



PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	10 of 11

IMAGE SOURCE: FDOT 2020



Taylor Engineering, Inc.  
10199 Southside Blvd.  
Suite 310  
Jacksonville, FL 32256

**LONGBOAT KEY  
PRELIMINARY CANAL  
TYPE CLASSIFICATION**

CANAL GROUP 7



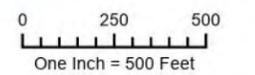
SARASOTA COUNTY &  
MANATEE COUNTY, FL



Image Source on Locator Map: World\_Imagery;  
Source: Esri, Maxar, Earthstar Geographics, and  
the GIS User Community

**CANAL CLASSIFICATION**

- Access Channel -  
General Benefit
- Arterial Channel -  
Cost Share Benefit
- Local Canal -  
Direct Benefit



PROJECT	C2022-032
DRAWN BY	PL
DATE	10/25/2023
DATUM	NAD83, MLLW
SHEET	11 of 11

IMAGE SOURCE: FDOT



TAYLOR ENGINEERING, INC.

## Town of Longboat Key

# Canal Navigation Maintenance Funding Program



November 6, 2023

# Background

- Plan for sustainable canal funded program
  - Long term solution
  - 2021 Strategic Plan Initiatives
- Important Element of Island Amenities and Ambiance
  - Waterway and bay access for navigation and recreation
    - General benefit
    - Localized benefit
- Inventory (81)
  - Collected Canal and Property Appraiser Data
  - Developed GIS database
  - Field Investigation
    - Preliminary depth
    - Sediment Characteristics
  - Maximize Historic Permitted Depths



# March 2023 Direction

---

- **Develop Canal Navigation Maintenance Assessment Program**
  - **Goals and Objectives**
    - Long-term, sustainable funding for canal navigation maintenance
  - **Perimeter and Access Channels – General Benefit**
    - Ad Valorem Property Taxes
      - Based on taxable value of properties
      - Charter limitation of 5 mills
        - Currently at 1.9600 mills
      - Uniformly applied
    - Infrastructure Surtax – approximately \$100,000 annually (Sarasota Only)
    - Grants
  - **Localized Canals – Direct Benefit**
    - Home Rule Revenue Source
      - Non-ad Valorem Special Assessments

# Revised Canal Groupings

- Seven Canal Groups developed based on:
  - Location
  - Construction Logistics
  - Homeowners Groups
  - Staff Review and Input
- Canals assigned general benefit (access channels), cost-sharing benefit (arterial channels), and local benefit.



# Engineering Analysis – What was analyzed to develop cost

- Bathymetric Survey
  - Determine actual canal depth
- Natural Resource Survey
  - Seagrass, Mangroves, other
- Design
  - Identify location and volume of required dredging
  - Identify and design placement area(s)
- Permitting
  - FDEP, USACE
  - Required Mitigation
- Construction
  - Dredging and Placement
- Develop Long Term Dredging Management Program
  - Regular surveys and dredging

CANAL GROUP 5										PROJECTED TOTAL CONSTRUCTION COSTS				
CANAL NAME	Classification	Estimated Dredge Quantities	Mobi/DeMob (LS)	Dredging & Placement	Environmental Protection	Seagrass Transplanting & Monitoring	Engineering Fees - Plans, Design & Specs	Constructi on Administ	Total Estimate - Current F	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
32A	Access Channel - General Benefit	1,459	\$44,973	\$63,797	\$4,721	\$12,174	\$12,656	\$6,328	\$145,542	\$152,237	\$158,631	\$164,976	\$171,575	\$178,781
32B	Arterial Channel - Cost Share Benefit	390	\$44,973	\$17,038	\$1,261	\$3,085	\$6,660	\$3,330	\$76,585	\$80,108	\$83,472	\$86,811	\$90,283	\$94,075
32B	Local Canal - Direct Benefit	755	\$44,973	\$33,018	\$2,443	\$5,378	\$8,687	\$4,344	\$99,906	\$104,502	\$108,891	\$113,247	\$117,776	\$122,723
32P	Arterial Channel - Cost Share Benefit	3,438	\$44,973	\$150,283	\$11,121	\$20,546	\$22,903	\$11,451	\$263,382	\$275,498	\$287,069	\$298,552	\$310,494	\$323,534
32P	Local Canal - Direct Benefit	2,033	\$44,973	\$88,858	\$6,575	\$12,148	\$15,380	\$7,690	\$176,869	\$185,005	\$192,775	\$200,486	\$208,506	\$217,263
33	Access Channel - General Benefit	219	\$44,973	\$3,558	\$707	\$1,690	\$5,706	\$2,853	\$65,621	\$68,640	\$71,523	\$74,384	\$77,359	\$80,608
33	Arterial Channel - Cost Share Benefit	513	\$44,973	\$22,433	\$1,660	\$3,966	\$7,335	\$3,667	\$84,348	\$88,228	\$91,933	\$95,611	\$99,435	\$103,611
33	Local Canal - Direct Benefit	468	\$44,973	\$20,449	\$1,513	\$3,616	\$7,084	\$3,542	\$81,463	\$85,210	\$88,789	\$92,341	\$96,035	\$100,068
33A	Access Channel - General Benefit	854	\$44,973	\$37,350	\$2,764	\$6,262	\$9,187	\$4,594	\$105,653	\$110,513	\$115,154	\$119,760	\$124,551	\$129,782
33B	Arterial Channel - Cost Share Benefit	4,301	\$44,973	\$188,034	\$13,915	\$15,579	\$26,513	\$13,257	\$304,905	\$318,330	\$332,326	\$345,619	\$359,443	\$374,540
33B	Local Canal - Direct Benefit	1,418	\$44,973	\$61,977	\$4,586	\$5,135	\$11,754	\$5,877	\$135,169	\$141,387	\$147,325	\$153,218	\$159,347	\$166,040
33C	Local Canal - Direct Benefit	746	\$44,973	\$32,630	\$2,415	\$2,954	\$8,343	\$4,171	\$95,943	\$100,356	\$104,571	\$108,754	\$113,104	\$117,854
33C	Local Canal - Direct Benefit	746	\$44,973	\$32,609	\$2,413	\$2,883	\$8,333	\$4,167	\$95,834	\$100,242	\$104,452	\$108,631	\$112,976	\$117,721
33C	Local Canal - Direct Benefit	770	\$44,973	\$33,651	\$2,490	\$2,821	\$8,441	\$4,220	\$97,067	\$101,532	\$105,797	\$110,029	\$114,430	\$119,236
33C	Local Canal - Direct Benefit	451	\$44,973	\$19,731	\$1,460	\$1,841	\$6,828	\$3,414	\$78,523	\$82,135	\$85,585	\$89,008	\$92,568	\$96,456
5	Access Channel - General Benefit	2,532	\$134,918	\$110,705	\$8,192	\$20,126	\$27,549	\$13,775	\$316,816	\$331,389	\$345,308	\$359,120	\$373,485	\$389,171
5	Arterial Channel - Cost Share Benefit	10,060	\$224,863	\$439,765	\$32,543	\$48,311	\$75,164	\$37,582	\$864,389	\$904,151	\$942,125	\$979,810	\$1,019,003	\$1,061,801
5	Local Canal - Direct Benefit	5,969	\$314,809	\$260,946	\$19,310	\$32,241	\$63,096	\$31,548	\$725,606	\$758,983	\$790,861	\$822,495	\$855,395	\$891,322

# Program Cost

- Initial Start-up Costs for the engineering, permit, and dredging
  - Approximately - \$16,800,000
- Plus program costs
  - Dedicated staffing
  - Navigational marker repair and maintenance
  - Study and implementation
  - Collection costs

Canal Group 1								
Construction/Fiscal Year	Insurance/End- ing	INFLATION ADJUSTED FUTURE PROBABLE COST						
		Mak'Domah (LS)	Dredging II Placement	Environmen- tal	Seagrass Transplanting	Engineering Four-Floor	Construction Administration	Total Estimate
2023	\$10,533	\$674,590	\$751,903	\$55,641	\$117,689	\$161,036	\$80,518	\$1,841,376
2024	\$11,018	\$705,621	\$786,491	\$58,200	\$123,103	\$168,443	\$84,222	\$1,926,000
2025	\$11,480	\$735,257	\$819,523	\$60,645	\$128,273	\$175,518	\$87,759	\$888888
2026	\$11,940	\$764,667	\$852,304	\$63,071	\$133,404	\$182,539	\$91,269	\$888888
2027	\$12,417	\$795,254	\$886,396	\$65,593	\$138,740	\$189,840	\$94,920	\$2,170,744
2028	\$12,939	\$828,655	\$923,625	\$68,348	\$144,567	\$197,813	\$98,907	\$2,261,915

Canal Group 2								
Construction/Fiscal Year	Insurance/End- ing	INFLATION ADJUSTED FUTURE PROBABLE COST						
		Mak'Domah (LS)	Dredging II Placement	Environmen- tal	Seagrass Transplanting	Engineering Four-Floor	Construction Administration	Total Estimate
2023	\$9,949	\$674,590	\$710,173	\$52,553	\$111,157	\$155,842	\$77,921	\$1,782,236
2024	\$10,406	\$705,621	\$742,840	\$54,970	\$116,271	\$163,011	\$81,505	\$1,864,219
2025	\$10,843	\$735,257	\$774,040	\$57,279	\$121,154	\$169,857	\$84,929	\$1,942,516
2026	\$11,277	\$764,667	\$805,001	\$59,570	\$126,000	\$176,652	\$88,326	\$2,020,217
2027	\$11,728	\$795,254	\$837,201	\$61,953	\$131,040	\$183,718	\$91,959	\$2,101,025
2028	\$12,221	\$828,655	\$872,364	\$64,555	\$136,544	\$191,434	\$95,717	\$2,189,268

Canal Group 3								
Construction/Fiscal Year	Insurance/End- ing	INFLATION ADJUSTED FUTURE PROBABLE COST						
		Mak'Domah (LS)	Dredging II Placement	Environmen- tal	Seagrass Transplanting	Engineering Four-Floor	Construction Administration	Total Estimate
2023	\$3,548	\$674,590	\$253,244	\$10,740	\$20,439	\$29,976	\$49,488	\$1,134,676
2024	\$3,711	\$705,621	\$264,993	\$10,842	\$41,462	\$102,520	\$51,764	\$1,186,871
2025	\$3,867	\$735,257	\$276,010	\$20,425	\$42,203	\$107,577	\$53,030	\$1,236,720
2026	\$4,021	\$764,667	\$287,059	\$21,242	\$44,931	\$112,192	\$56,096	\$1,286,180
2027	\$4,182	\$795,254	\$298,542	\$22,092	\$46,728	\$116,680	\$58,340	\$1,337,636
2028	\$4,358	\$828,655	\$311,080	\$23,020	\$48,691	\$121,580	\$60,790	\$1,393,817

Canal Group 4								
Construction/Fiscal Year	Insurance/End- ing	INFLATION ADJUSTED FUTURE PROBABLE COST						
		Mak'Domah (LS)	Dredging II Placement	Environmen- tal	Seagrass Transplanting	Engineering Four-Floor	Construction Administration	Total Estimate
2023	\$7,766	\$674,590	\$554,372	\$41,023	\$86,771	\$136,452	\$68,226	\$1,561,434
2024	\$8,123	\$705,621	\$579,873	\$42,911	\$90,763	\$142,729	\$71,365	\$1,633,260
2025	\$8,464	\$735,257	\$604,227	\$44,713	\$94,575	\$148,724	\$74,362	\$1,701,957
2026	\$8,803	\$764,667	\$628,396	\$46,501	\$98,358	\$154,673	\$77,336	\$1,769,932
2027	\$9,155	\$795,254	\$653,532	\$48,361	\$102,292	\$160,859	\$80,430	\$1,840,720
2028	\$9,540	\$828,655	\$680,981	\$50,393	\$106,588	\$167,616	\$83,808	\$1,918,049

Canal Group 5								
Construction/Fiscal Year	Insurance/End- ing	INFLATION ADJUSTED FUTURE PROBABLE COST						
		Mak'Domah (LS)	Dredging II Placement	Environmen- tal	Seagrass Transplanting	Engineering Four-Floor	Construction Administration	Total Estimate
2023	\$27,068	\$674,590	\$1,932,236	\$142,985	\$302,437	\$307,932	\$153,966	\$3,514,145
2024	\$28,313	\$705,621	\$2,021,119	\$149,563	\$316,349	\$322,096	\$161,048	\$888888
2025	\$29,502	\$735,257	\$2,106,006	\$155,844	\$329,636	\$335,625	\$167,812	\$3,830,180
2026	\$30,682	\$764,667	\$2,190,246	\$162,078	\$342,821	\$349,049	\$174,525	\$888888
2027	\$31,910	\$795,254	\$888888	\$168,561	\$356,534	\$363,011	\$181,506	\$4,142,722
2028	\$33,250	\$828,655	\$888888	\$175,641	\$371,508	\$378,258	\$189,120	\$4,316,717

Canal Group 6								
Construction/Fiscal Year	Insurance/End- ing	INFLATION ADJUSTED FUTURE PROBABLE COST						
		Mak'Domah (LS)	Dredging II Placement	Environmen- tal	Seagrass Transplanting	Engineering Four-Floor	Construction Administration	Total Estimate
2023	\$16,764	\$674,590	\$1,196,700	\$88,556	\$187,310	\$216,392	\$108,196	\$2,471,743
2024	\$17,935	\$705,621	\$1,251,748	\$92,625	\$195,926	\$226,346	\$113,173	\$888888
2025	\$19,272	\$735,257	\$1,304,321	\$96,520	\$204,155	\$235,852	\$117,926	\$888888
2026	\$19,003	\$764,667	\$1,356,494	\$100,381	\$212,321	\$245,287	\$122,643	\$2,301,793
2027	\$19,763	\$795,254	\$1,410,754	\$104,396	\$220,814	\$255,099	\$127,549	\$2,913,865
2028	\$20,593	\$828,655	\$1,470,006	\$108,780	\$230,088	\$265,812	\$132,986	\$888888

Canal Group 7								
Construction/Fiscal Year	Insurance/End- ing	INFLATION ADJUSTED FUTURE PROBABLE COST						
		Mak'Domah (LS)	Dredging II Placement	Environmen- tal	Seagrass Transplanting	Engineering Four-Floor	Construction Administration	Total Estimate
2023	\$3,824	\$674,590	\$272,871	\$20,200	\$42,726	\$101,431	\$50,716	\$1,162,633
2024	\$4,000	\$705,621	\$285,528	\$21,129	\$44,691	\$106,097	\$53,048	\$1,216,114
2025	\$4,168	\$735,257	\$297,520	\$22,016	\$46,568	\$110,553	\$55,276	\$1,267,191
2026	\$4,335	\$764,667	\$309,420	\$22,897	\$48,431	\$114,975	\$57,488	\$1,317,879
2027	\$4,508	\$795,254	\$321,797	\$23,813	\$50,348	\$119,574	\$59,787	\$1,370,594
2028	\$4,697	\$828,655	\$335,313	\$24,813	\$52,404	\$124,596	\$62,298	\$1,428,159

# Project Approach - Study, Methodology, and Rates

---

- Determine Canal Services and Improvements
- Estimated Costs of Services and Improvements
- Determine Benefit Area/Type of Benefit
  - General Public Purpose – millage, IST, grants
  - Partial benefit – millage and special assessment
  - Local benefit – special assessment
- Develop Apportionment Methodology
- Develop Preliminary Assessment Roll Database
- Apply Apportionment Methodology to Database
- Calculate Rates
- Prepare and Present Proposed Canal Assessment Program(s)
- Community Outreach and Educational Efforts

# What is a Special Assessment?

---

Charge imposed against real property to pay for essential services and capital infrastructure.

## Case Law Requirements

1. Special Benefit to Property
2. Fair and Reasonable Apportionment



# Localized Benefit -- Data Components for Each Group

---

## 1. Identify Services and Infrastructure Improvements

## 2. Determine Cost of Services and Infrastructure

- Develop multi-year assessable budgets
  - Include study and miscellaneous collection costs
    - 8 assessable budgets based the groups:
      - 7 local benefit areas (includes part of partial)
      - 1 general benefit area (includes part of partial)

## 3. Identify Benefitted Parcels

- Determine who benefits
  - Services/improvements

# Localized Benefit -- Data Components for Each Group

## 4. Develop Apportionment Methodology

- Fair and reasonable allocation of costs to properties

- Property Uses

- Residential
- Non-Residential
- Abutting vs. non-abutting

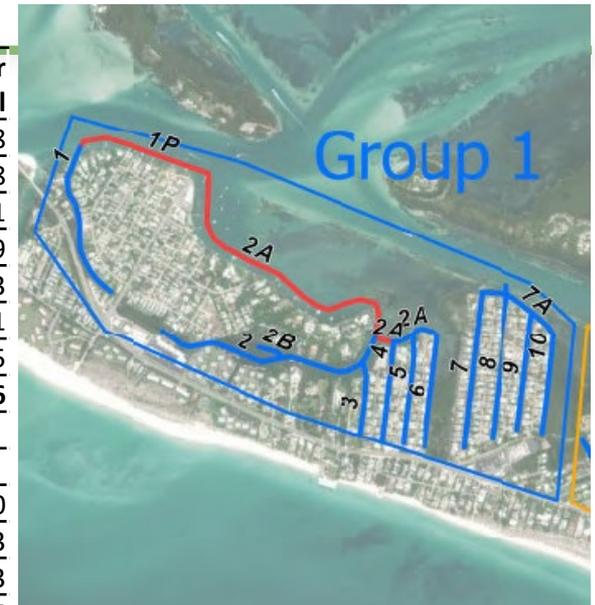
- Billing Units

- Dwelling units
- Allowable boat slip
- Buildable residential lots
- Equivalent Residential Unit (ERU)
- **Water Access Units**
  - Docks, boat slips, other
  - Private boat ramp
- Waterfront footage
- Other

Group	# Parcels	% Parcels	Units	% Units
1	411	13.90%	325	15.19%
2	568	19.22%	404	18.87%
3	252	8.53%	62	2.92%
4	464	15.70%	126	5.89%
5	646	21.85%	614	28.66%
6	605	20.47%	583	27.24%
7	10	0.34%	26	1.22%
<b>Total</b>	<b>2,956</b>	<b>100.00%</b>	<b>2,141</b>	<b>100.00%</b>

# Group 1

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	2,008	2,008	2,008	2,008	2,008	2,008
Mob/Demob (LS)	124,298	124,298	124,298	124,298	124,298	124,298
Dredging & Placement (CY)	143,361	143,361	143,361	143,361	143,361	143,361
Environmental Protection	10,609	10,609	10,609	10,609	10,609	10,609
Seagrass Transplanting & Monitoring (CY)	18,633	18,633	18,633	18,633	18,633	18,633
Engineering Fees - Plans, Design & Specs	29,891	29,891	29,891	29,891	29,891	29,891
Construction Administration	14,945	14,945	14,945	14,945	14,945	14,945
<b>Total Dredging OPC</b>	<b>\$343,746</b>	<b>\$343,746</b>	<b>\$343,746</b>	<b>\$343,746</b>	<b>\$343,746</b>	<b>\$343,746</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	4,171	4,380	4,599	4,829	5,070	4,610
Overhead -- Finance Staff	6,952	7,300	7,665	8,048	8,450	7,683
Overhead -- Public Works	6,952	7,300	7,665	8,048	8,450	7,683
<b>Total Expenditures</b>	<b>\$18,075</b>	<b>\$18,979</b>	<b>\$19,928</b>	<b>\$20,924</b>	<b>\$21,970</b>	<b>\$19,975</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	25,761	3,476	3,476	3,476	3,476	7,933
Legal Fees	3,476	2,086	2,086	2,086	2,086	2,364
Collection Costs (Property Appraiser @1.5%)	6,318	5,942	5,957	5,973	5,990	6,036
Collection Costs (Tax Collector @1.5%)	6,318	5,942	5,957	5,973	5,990	6,036
First Class Notice Costs (\$1.53 per)	629	100	100	100	100	206
Statutory Discount (@4%)	16,847	15,845	15,885	15,928	15,973	16,096
<b>Total Misc. Assessment Expenditures</b>	<b>\$59,348</b>	<b>\$33,390</b>	<b>\$33,461</b>	<b>\$33,536</b>	<b>\$33,615</b>	<b>\$38,670</b>
<b>Total Assessable Budget</b>	<b>\$421,169</b>	<b>\$396,114</b>	<b>\$397,134</b>	<b>\$398,206</b>	<b>\$399,331</b>	<b>\$402,391</b>
<b>Units</b>	<b>325</b>	<b>325</b>	<b>325</b>	<b>325</b>	<b>325</b>	<b>325</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$1,296</b>	<b>\$1,218</b>	<b>\$1,222</b>	<b>\$1,225</b>	<b>\$1,228</b>	<b>\$1,238</b>
Monthly Rate Per Billing Unit	\$108.00	\$101.50	\$101.83	\$102.08	\$102.33	\$103.17



<b>Group 1</b>	
<b>Canal #</b>	<b>Type of Benefit</b>
1	Local
1P	General
2A	General
2A	Local
2	Local
2B	Local
3	Local
4	Local
5	Local
6	Local
7	Local
7A	Local
8	Local
9	Local
10	Local

# Group 2

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	2,379	2,379	2,379	2,379	2,379	2,379
Mob/Demob (LS)	156,524	156,524	156,524	156,524	156,524	156,524
Dredging & Placement (CY)	169,822	169,822	169,822	169,822	169,822	169,822
Environmental Protection	12,567	12,567	12,567	12,567	12,567	12,567
Seagrass Transplanting & Monitoring (CY)	23,127	23,127	23,127	23,127	23,127	23,127
Engineering Fees - Plans, Design & Specs	36,442	36,442	36,442	36,442	36,442	36,442
Construction Administration	18,221	18,221	18,221	18,221	18,221	18,221
<b>Total Dredging OPC</b>	<b>\$419,082</b>	<b>\$419,082</b>	<b>\$419,082</b>	<b>\$419,082</b>	<b>\$419,082</b>	<b>\$419,082</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	5,765	6,053	6,355	6,673	7,007	6,371
Overhead -- Finance Staff	9,608	10,088	10,592	11,122	11,678	10,618
Overhead -- Public Works	9,608	10,088	10,592	11,122	11,678	10,618
<b>Total Expenditures</b>	<b>\$24,980</b>	<b>\$26,229</b>	<b>\$27,540</b>	<b>\$28,917</b>	<b>\$30,363</b>	<b>\$27,606</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	35,602	4,804	4,804	4,804	4,804	10,963
Legal Fees	4,804	2,882	2,882	2,882	2,882	3,267
Collection Costs (Property Appraiser @1.5%)	7,828	7,308	7,329	7,351	7,375	7,438
Collection Costs (Tax Collector @1.5%)	7,828	7,308	7,329	7,351	7,375	7,438
First Class Notice Costs (\$1.53 per)	869	100	100	100	100	254
Statutory Discount (@4%)	20,875	19,488	19,544	19,604	19,666	19,835
<b>Total Misc. Assessment Expenditures</b>	<b>\$77,806</b>	<b>\$41,890</b>	<b>\$41,989</b>	<b>\$42,092</b>	<b>\$42,201</b>	<b>\$49,196</b>
<b>Total Assessable Budget</b>	<b>\$521,867</b>	<b>\$487,200</b>	<b>\$488,610</b>	<b>\$490,091</b>	<b>\$491,646</b>	<b>\$495,883</b>
<b>Units</b>	<b>404</b>	<b>404</b>	<b>404</b>	<b>404</b>	<b>404</b>	<b>404</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$1,292</b>	<b>\$1,206</b>	<b>\$1,210</b>	<b>\$1,213</b>	<b>\$1,217</b>	<b>\$1,228</b>
Monthly Rate Per Billing Unit	\$107.67	\$100.50	\$100.83	\$101.08	\$101.42	\$102.33



<b>Group 2</b>	
<b>Canal #</b>	<b>Type of Benefit</b>
11	Local
11A	Local
11A	General
11B	Local
11B	Local
11C	Local
12	Local
13	Local
14	Local
14B	Local
15N	Local
15S	Local
15W	Local
16	Local
16A	Local
17	Local
18	Local
19	Local

# Group 3

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	448	448	448	448	448	448
Mob/Demob (LS)	103,582	103,582	103,582	103,582	103,582	103,582
Dredging & Placement (CY)	31,984	31,984	31,984	31,984	31,984	31,984
Environmental Protection	2,367	2,367	2,367	2,367	2,367	2,367
Seagrass Transplanting & Monitoring (CY)	3,597	3,597	3,597	3,597	3,597	3,597
Engineering Fees - Plans, Design & Specs	14,198	14,198	14,198	14,198	14,198	14,198
Construction Administration	7,099	7,099	7,099	7,099	7,099	7,099
<b>Total Dredging OPC</b>	<b>\$163,274</b>	<b>\$163,274</b>	<b>\$163,274</b>	<b>\$163,274</b>	<b>\$163,274</b>	<b>\$163,274</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	2,558	2,685	2,820	2,961	3,109	2,826
Overhead -- Finance Staff	4,263	4,476	4,699	4,934	5,181	4,711
Overhead -- Public Works	4,263	4,476	4,699	4,934	5,181	4,711
<b>Total Expenditures</b>	<b>\$11,083</b>	<b>\$11,637</b>	<b>\$12,219</b>	<b>\$12,829</b>	<b>\$13,471</b>	<b>\$12,248</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	15,795	2,131	2,131	2,131	2,131	4,864
Legal Fees	2,131	1,279	1,279	1,279	1,279	1,449
Collection Costs (Property Appraiser @1.5%)	3,108	2,878	2,887	2,897	2,907	2,935
Collection Costs (Tax Collector @1.5%)	3,108	2,878	2,887	2,897	2,907	2,935
First Class Notice Costs (\$1.53 per)	386	100	100	100	100	157
Statutory Discount (@4%)	8,287	7,674	7,699	7,725	7,753	7,828
<b>Total Misc. Assessment Expenditures</b>	<b>\$32,814</b>	<b>\$16,940</b>	<b>\$16,983</b>	<b>\$17,029</b>	<b>\$17,078</b>	<b>\$20,169</b>
<b>Total Assessable Budget</b>	<b>\$207,170</b>	<b>\$191,850</b>	<b>\$192,476</b>	<b>\$193,132</b>	<b>\$193,822</b>	<b>\$195,690</b>
<b>Units</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$3,317</b>	<b>\$3,071</b>	<b>\$3,081</b>	<b>\$3,092</b>	<b>\$3,103</b>	<b>\$3,133</b>
Monthly Rate Per Billing Unit	\$276.42	\$255.92	\$256.75	\$257.67	\$258.58	\$261.08



## Group 3

Canal #	Type of Benefit
20	General
20A	General
20P	Cost Share
21	Local
21A	General
21P	Local
22	Local
22A	General
22P	Local
23	Local
23P	Local
24	Local

# Group 4

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	2,695	2,695	2,695	2,695	2,695	2,695
Mob/Demob (LS)	119,119	119,119	119,119	119,119	119,119	119,119
Dredging & Placement (CY)	192,388	192,388	192,388	192,388	192,388	192,388
Environmental Protection	14,237	14,237	14,237	14,237	14,237	14,237
Seagrass Transplanting & Monitoring (CY)	35,975	35,975	35,975	35,975	35,975	35,975
Engineering Fees - Plans, Design & Specs	36,441	36,441	36,441	36,441	36,441	36,441
Construction Administration	18,221	18,221	18,221	18,221	18,221	18,221
<b>Total Dredging OPC</b>	<b>\$419,077</b>	<b>\$419,077</b>	<b>\$419,077</b>	<b>\$419,077</b>	<b>\$419,077</b>	<b>\$419,077</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	11,265	11,828	12,420	13,041	13,693	12,449
Overhead -- Finance Staff	18,775	19,714	20,700	21,735	22,822	20,749
Overhead -- Public Works	18,775	19,714	20,700	21,735	22,822	20,749
<b>Total Expenditures</b>	<b>\$48,816</b>	<b>\$51,257</b>	<b>\$53,820</b>	<b>\$56,511</b>	<b>\$59,336</b>	<b>\$53,948</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	69,574	9,388	9,388	9,388	9,388	21,425
Legal Fees	9,388	5,633	5,633	5,633	5,633	6,384
Collection Costs (Property Appraiser @1.5%)	8,832	7,830	7,871	7,915	7,960	8,082
Collection Costs (Tax Collector @1.5%)	8,832	7,830	7,871	7,915	7,960	8,082
First Class Notice Costs (\$1.53 per)	710	100	100	100	100	222
Statutory Discount (@4%)	23,551	20,880	20,990	21,106	21,227	21,551
<b>Total Misc. Assessment Expenditures</b>	<b>\$120,887</b>	<b>\$51,660</b>	<b>\$51,853</b>	<b>\$52,055</b>	<b>\$52,268</b>	<b>\$65,744</b>
<b>Total Assessable Budget</b>	<b>\$588,779</b>	<b>\$521,993</b>	<b>\$524,749</b>	<b>\$527,642</b>	<b>\$530,681</b>	<b>\$538,769</b>
<b>Units</b>	<b>126</b>	<b>126</b>	<b>126</b>	<b>126</b>	<b>126</b>	<b>126</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$4,666</b>	<b>\$4,136</b>	<b>\$4,158</b>	<b>\$4,181</b>	<b>\$4,205</b>	<b>\$4,269</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$388.83</b>	<b>\$344.67</b>	<b>\$346.50</b>	<b>\$348.42</b>	<b>\$350.42</b>	<b>\$355.75</b>



## Group 4

Canal #	Type of Benefit
24P	Cost Share
25	Local
26	Local
26P	Cost Share
31A	General
26P	Cost Share
27	Local
28	Local
29	Local
30	Local
31	Local
31A	General
31C	Local
31D	Local
31E	Local

# Group 5

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	1,764	1,764	1,764	1,764	1,764	1,764
Mob/Demob (LS)	115,321	115,321	115,321	115,321	115,321	115,321
Dredging & Placement (CY)	125,952	125,952	125,952	125,952	125,952	125,952
Environmental Protection	9,320	9,320	9,320	9,320	9,320	9,320
Seagrass Transplanting & Monitoring (CY)	14,426	14,426	14,426	14,426	14,426	14,426
Engineering Fees - Plans, Design & Specs	26,678	26,678	26,678	26,678	26,678	26,678
Construction Administration	13,339	13,339	13,339	13,339	13,339	13,339
<b>Total Dredging OPC</b>	<b>\$306,802</b>	<b>\$306,802</b>	<b>\$306,802</b>	<b>\$306,802</b>	<b>\$306,802</b>	<b>\$306,802</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	6,556	6,884	7,228	7,590	7,969	7,245
Overhead -- Finance Staff	10,927	11,473	12,047	12,649	13,282	12,076
Overhead -- Public Works	10,927	11,473	12,047	12,649	13,282	12,076
<b>Total Expenditures</b>	<b>\$28,410</b>	<b>\$29,831</b>	<b>\$31,322</b>	<b>\$32,888</b>	<b>\$34,533</b>	<b>\$31,397</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	40,491	5,463	5,463	5,463	5,463	12,469
Legal Fees	5,463	3,278	3,278	3,278	3,278	3,715
Collection Costs (Property Appraiser @1.5%)	6,164	5,572	5,596	5,621	5,648	5,720
Collection Costs (Tax Collector @1.5%)	6,164	5,572	5,596	5,621	5,648	5,720
First Class Notice Costs (\$1.53 per)	988	100	100	100	100	278
Statutory Discount (@4%)	16,437	14,859	14,923	14,991	15,061	15,254
<b>Total Misc. Assessment Expenditures</b>	<b>\$75,707</b>	<b>\$34,845</b>	<b>\$34,957</b>	<b>\$35,075</b>	<b>\$35,199</b>	<b>\$43,157</b>
<b>Total Assessable Budget</b>	<b>\$410,919</b>	<b>\$371,478</b>	<b>\$373,081</b>	<b>\$374,765</b>	<b>\$376,533</b>	<b>\$381,355</b>
<b>Units</b>	<b>614</b>	<b>614</b>	<b>614</b>	<b>614</b>	<b>614</b>	<b>614</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$670</b>	<b>\$606</b>	<b>\$608</b>	<b>\$611</b>	<b>\$614</b>	<b>\$622</b>
Monthly Rate Per Billing Unit	\$55.83	\$50.50	\$50.67	\$50.92	\$51.17	\$51.83



## Group 5

Canal #	Type of Benefit
32	Local
32A	General
32B	Cost Share
32B	Local
32P	Cost Share
32P	Local
33	General
33	Cost Share
33	Local
33A	General
33B	Cost Share
33C	Cost Share
33C	Local

# Group 6

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	2,258	2,258	2,258	2,258	2,258	2,258
Mob/Demob (LS)	157,839	157,839	157,839	157,839	157,839	157,839
Dredging & Placement (CY)	161,207	161,207	161,207	161,207	161,207	161,207
Environmental Protection	11,929	11,929	11,929	11,929	11,929	11,929
Seagrass Transplanting & Monitoring (CY)	26,031	26,031	26,031	26,031	26,031	26,031
Engineering Fees - Plans, Design & Specs	35,927	35,927	35,927	35,927	35,927	35,927
Construction Administration	17,963	17,963	17,963	17,963	17,963	17,963
<b>Total Dredging OPC</b>	<b>\$413,155</b>	<b>\$413,155</b>	<b>\$413,155</b>	<b>\$413,155</b>	<b>\$413,155</b>	<b>\$413,155</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	6,140	6,447	6,769	7,108	7,463	6,786
Overhead -- Finance Staff	10,233	10,745	11,282	11,846	12,439	11,309
Overhead -- Public Works	10,233	10,745	11,282	11,846	12,439	11,309
<b>Total Expenditures</b>	<b>\$26,607</b>	<b>\$27,937</b>	<b>\$29,334</b>	<b>\$30,801</b>	<b>\$32,341</b>	<b>\$29,404</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	37,921	5,117	5,117	5,117	5,117	11,678
Legal Fees	5,117	3,070	3,070	3,070	3,070	3,479
Collection Costs (Property Appraiser @1.5%)	7,802	7,248	7,271	7,294	7,319	7,387
Collection Costs (Tax Collector @1.5%)	7,802	7,248	7,271	7,294	7,319	7,387
First Class Notice Costs (\$1.53 per)	926	100	100	100	100	265
Statutory Discount (@4%)	20,805	19,328	19,388	19,451	19,518	19,698
<b>Total Misc. Assessment Expenditures</b>	<b>\$80,373</b>	<b>\$42,111</b>	<b>\$42,216</b>	<b>\$42,326</b>	<b>\$42,442</b>	<b>\$49,894</b>
<b>Total Assessable Budget</b>	<b>\$520,135</b>	<b>\$483,203</b>	<b>\$484,705</b>	<b>\$486,282</b>	<b>\$487,938</b>	<b>\$492,453</b>
<b>Units</b>	<b>583</b>	<b>583</b>	<b>583</b>	<b>583</b>	<b>583</b>	<b>583</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$892</b>	<b>\$829</b>	<b>\$831</b>	<b>\$834</b>	<b>\$837</b>	<b>\$845</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$74.33</b>	<b>\$69.08</b>	<b>\$69.25</b>	<b>\$69.50</b>	<b>\$69.75</b>	<b>\$70.42</b>

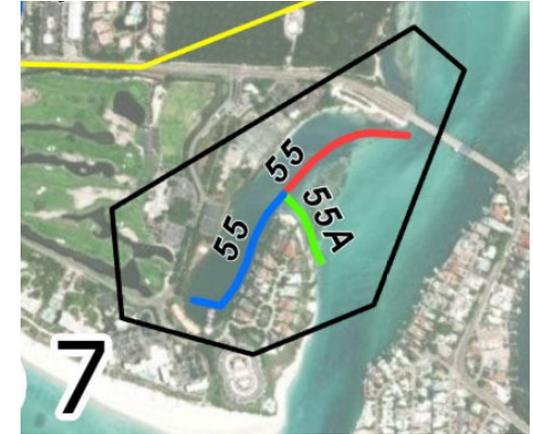


## Group 6

Canal #	Type of Benefit
34-53	Local
54	General

# Group 7

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	486	486	486	486	486	486
Mob/Demob (LS)	82,865	82,865	82,865	82,865	82,865	82,865
Dredging & Placement (CY)	34,702	34,702	34,702	34,702	34,702	34,702
Environmental Protection	2,568	2,568	2,568	2,568	2,568	2,568
Seagrass Transplanting & Monitoring (CY)	7,590	7,590	7,590	7,590	7,590	7,590
Engineering Fees - Plans, Design & Specs	12,821	12,821	12,821	12,821	12,821	12,821
Construction Administration	6,411	6,411	6,411	6,411	6,411	6,411
<b>Total Dredging OPC</b>	<b>\$147,444</b>	<b>\$147,444</b>	<b>\$147,444</b>	<b>\$147,444</b>	<b>\$147,444</b>	<b>\$147,444</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	101	107	112	117	123	112
Overhead -- Finance Staff	169	178	186	196	206	187
Overhead -- Public Works	169	178	186	196	206	187
<b>Total Expenditures</b>	<b>\$440</b>	<b>\$462</b>	<b>\$485</b>	<b>\$509</b>	<b>\$535</b>	<b>\$486</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	627	85	85	85	85	193
Legal Fees	85	51	51	51	51	58
Collection Costs (Property Appraiser @1.5%)	2,397	2,389	2,390	2,390	2,391	2,391
Collection Costs (Tax Collector @1.5%)	2,397	2,389	2,390	2,390	2,391	2,391
First Class Notice Costs (\$1.53 per)	15	100	100	100	100	83
Statutory Discount (@4%)	6,392	6,372	6,373	6,374	6,375	6,377
<b>Total Misc. Assessment Expenditures</b>	<b>\$11,912</b>	<b>\$11,386</b>	<b>\$11,387</b>	<b>\$11,389</b>	<b>\$11,391</b>	<b>\$11,493</b>
<b>Total Assessable Budget</b>	<b>\$159,796</b>	<b>\$159,291</b>	<b>\$159,316</b>	<b>\$159,342</b>	<b>\$159,369</b>	<b>\$159,423</b>
<b>Units</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$6,123</b>	<b>\$6,104</b>	<b>\$6,105</b>	<b>\$6,106</b>	<b>\$6,107</b>	<b>\$6,109</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$510.25</b>	<b>\$508.67</b>	<b>\$508.75</b>	<b>\$508.83</b>	<b>\$508.92</b>	<b>\$509.08</b>



## Group 7

Canal #	Type of Benefit
55	Local
55	General
55A	Cost Share

# Summary

## 5-Year Average Annual Costs

	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7
Dredging OPC	\$343,746	\$419,082	\$163,274	\$419,077	\$306,802	\$413,155	\$147,444
O&M	\$19,975	\$27,606	\$12,248	\$53,948	\$31,397	\$29,404	\$486
<b>Total Expenditures</b>	<b>\$363,721</b>	<b>\$446,687</b>	<b>\$175,521</b>	<b>\$473,024</b>	<b>\$338,199</b>	<b>\$442,559</b>	<b>\$147,930</b>
Total Misc. Assessment Expenditures	\$38,670	\$49,196	\$20,169	\$65,744	\$43,157	\$49,894	\$11,493
<b>Total Assessable Budget</b>	<b>\$402,391</b>	<b>\$495,883</b>	<b>\$195,690</b>	<b>\$538,769</b>	<b>\$381,355</b>	<b>\$492,453</b>	<b>\$159,423</b>
Units	325	404	62	126	614	583	26
<b>Annual Rate</b>	<b>\$1,238</b>	<b>\$1,228</b>	<b>\$3,133</b>	<b>\$4,269</b>	<b>\$622</b>	<b>\$845</b>	<b>\$6,109</b>
Monthly Rate	\$103.17	\$102.33	\$261.08	\$355.75	\$51.83	\$70.42	\$509.08

# General Benefit

## Data Components

1. Identify Services Provided and Infrastructure Improvements
  - Annual maintenance services
  - Immediate capital infrastructure needs
  - Strategic Plan for future capital needs
2. Determine Cost of Services and Infrastructure
  - Total Costs - Revenues (IST for Sarasota and grants) = Net Expenditures
3. Identify Taxable Values
  - Based on 2023 taxable values -- \$8.353 Billion
4. Determine millage rate



# General Benefit Budget

Expenditures	\$1,136,437
Collection Costs	\$85,538
Total Expenditures	\$1,221,975
<b>Millage Rate</b>	<b>0.1524</b>

Taxable Value	Millage Charge
\$250,000	\$38.10
500,000	\$76.20
750,000	\$114.30
1,000,000	\$152.40
1,500,000	\$228.60
2,000,000	\$304.80

# Schedule

Event	Date
Workshop on Proposed Methodology & Rates	November 6, 2023
Town Publishes Public Hearing on Resolution of Intent	November 10, 17, 24, and December 1, 2023
Town Adopts Resolution of Intent	December 4, 2023
Continuation of Workshop, if necessary	December 4, 2023
Public Workshops and Educational Outreach Efforts	December 2023 – April 2024
<b>Implementation*</b>	
Town Adopts Initial Assessment Resolution(s)	May 6, 2024 @ 1:00 p.m.
Mail First Class Notices (20 days prior to public hearing)	By May 13, 2024
Publish Notice of Public Hearing (20 days prior to public hearing)	By May 13, 2024
Town Adopts Final Assessment Resolution(s) at Public Hearing	June 3, 2024
TRIM rolls to Property Appraisers**	Sarasota July 10, 2024 Manatee July 12, 2024
Certify Assessment Rolls to Tax Collectors	By September 15, 2024
Canal Navigational Maintenance Assessment Collected on Tax Bill	November 2024

\*Ordinance 2015-30 Authorizes creation of assessment areas by resolution and implementation of capital and service assessments and establishes procedures for implementation.

\*\* Town’s policy in past to include non-ad valorem on TRIM notice.

# Strategic Plan for Navigational Maintenance Services

---

## What is in the Work Plan

- Survey
- Design
- Permit
- Natural Resource Survey/Mitigation
- Mangrove trimming
- Initial Dredging
  - Develop long-term dredging management program
  - Survey and design
- Navigational markers
- Dedicated staffing

# Next Steps

---

- Public Outreach
  - GIS Maps
  - Searchable Database
  - Informational Brochures
  - First Class Notices
  - Published Notice
- Proceed with Implementation
- Schedule
- Local Assessment Rates
  - Exemptions
- General Benefit Millage Rate
- Other

**Group 1**

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	2,008	2,008	2,008	2,008	2,008	2,008
Mob/Demob (LS)	124,298	124,298	124,298	124,298	124,298	124,298
Dredging & Placement (CY)	143,361	143,361	143,361	143,361	143,361	143,361
Environmental Protection	10,609	10,609	10,609	10,609	10,609	10,609
Seagrass Transplanting & Monitoring (CY)	18,633	18,633	18,633	18,633	18,633	18,633
Engineering Fees - Plans, Design & Specs	29,891	29,891	29,891	29,891	29,891	29,891
Construction Administration	14,945	14,945	14,945	14,945	14,945	14,945
<b>Total Dredging OPC</b>	<b>\$343,746</b>	<b>\$343,746</b>	<b>\$343,746</b>	<b>\$343,746</b>	<b>\$343,746</b>	<b>\$343,746</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	4,171	4,380	4,599	4,829	5,070	4,610
Overhead -- Finance Staff	6,952	7,300	7,665	8,048	8,450	7,683
Overhead -- Public Works	6,952	7,300	7,665	8,048	8,450	7,683
<b>Total Expenditures</b>	<b>\$18,075</b>	<b>\$18,979</b>	<b>\$19,928</b>	<b>\$20,924</b>	<b>\$21,970</b>	<b>\$19,975</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	25,761	3,476	3,476	3,476	3,476	7,933
Legal Fees	3,476	2,086	2,086	2,086	2,086	2,364
Collection Costs (Property Appraiser @1.5%)	6,318	5,942	5,957	5,973	5,990	6,036
Collection Costs (Tax Collector @1.5%)	6,318	5,942	5,957	5,973	5,990	6,036
First Class Notice Costs (\$1.53 per)	629	100	100	100	100	206
Statutory Discount (@4%)	16,847	15,845	15,885	15,928	15,973	16,096
<b>Total Misc. Assessment Expenditures</b>	<b>\$59,348</b>	<b>\$33,390</b>	<b>\$33,461</b>	<b>\$33,536</b>	<b>\$33,615</b>	<b>\$38,670</b>
<b>Total Assessable Budget</b>	<b>\$421,169</b>	<b>\$396,114</b>	<b>\$397,134</b>	<b>\$398,206</b>	<b>\$399,331</b>	<b>\$402,391</b>
<b>Units</b>	<b>325</b>	<b>325</b>	<b>325</b>	<b>325</b>	<b>325</b>	<b>325</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$1,296</b>	<b>\$1,218</b>	<b>\$1,222</b>	<b>\$1,225</b>	<b>\$1,228</b>	<b>\$1,238</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$108.00</b>	<b>\$101.50</b>	<b>\$101.83</b>	<b>\$102.08</b>	<b>\$102.33</b>	<b>\$103.17</b>

**Group 2**

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	2,379	2,379	2,379	2,379	2,379	2,379
Mob/Demob (LS)	156,524	156,524	156,524	156,524	156,524	156,524
Dredging & Placement (CY)	169,822	169,822	169,822	169,822	169,822	169,822
Environmental Protection	12,567	12,567	12,567	12,567	12,567	12,567
Seagrass Transplanting & Monitoring (CY)	23,127	23,127	23,127	23,127	23,127	23,127
Engineering Fees - Plans, Design & Specs	36,442	36,442	36,442	36,442	36,442	36,442
Construction Administration	18,221	18,221	18,221	18,221	18,221	18,221
<b>Total Dredging OPC</b>	<b>\$419,082</b>	<b>\$419,082</b>	<b>\$419,082</b>	<b>\$419,082</b>	<b>\$419,082</b>	<b>\$419,082</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	5,765	6,053	6,355	6,673	7,007	6,371
Overhead -- Finance Staff	9,608	10,088	10,592	11,122	11,678	10,618
Overhead -- Public Works	9,608	10,088	10,592	11,122	11,678	10,618
<b>Total Expenditures</b>	<b>\$24,980</b>	<b>\$26,229</b>	<b>\$27,540</b>	<b>\$28,917</b>	<b>\$30,363</b>	<b>\$27,606</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	35,602	4,804	4,804	4,804	4,804	10,963
Legal Fees	4,804	2,882	2,882	2,882	2,882	3,267
Collection Costs (Property Appraiser @1.5%)	7,828	7,308	7,329	7,351	7,375	7,438
Collection Costs (Tax Collector @1.5%)	7,828	7,308	7,329	7,351	7,375	7,438
First Class Notice Costs (\$1.53 per)	869	100	100	100	100	254
Statutory Discount (@4%)	20,875	19,488	19,544	19,604	19,666	19,835
<b>Total Misc. Assessment Expenditures</b>	<b>\$77,806</b>	<b>\$41,890</b>	<b>\$41,989</b>	<b>\$42,092</b>	<b>\$42,201</b>	<b>\$49,196</b>
<b>Total Assessable Budget</b>	<b>\$521,867</b>	<b>\$487,200</b>	<b>\$488,610</b>	<b>\$490,091</b>	<b>\$491,646</b>	<b>\$495,883</b>
<b>Units</b>	<b>404</b>	<b>404</b>	<b>404</b>	<b>404</b>	<b>404</b>	<b>404</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$1,292</b>	<b>\$1,206</b>	<b>\$1,210</b>	<b>\$1,213</b>	<b>\$1,217</b>	<b>\$1,228</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$107.67</b>	<b>\$100.50</b>	<b>\$100.83</b>	<b>\$101.08</b>	<b>\$101.42</b>	<b>\$102.33</b>

**Group 3**

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	448	448	448	448	448	448
Mob/Demob (LS)	103,582	103,582	103,582	103,582	103,582	103,582
Dredging & Placement (CY)	31,984	31,984	31,984	31,984	31,984	31,984
Environmental Protection	2,367	2,367	2,367	2,367	2,367	2,367
Seagrass Transplanting & Monitoring (CY)	3,597	3,597	3,597	3,597	3,597	3,597
Engineering Fees - Plans, Design & Specs	14,198	14,198	14,198	14,198	14,198	14,198
Construction Administration	7,099	7,099	7,099	7,099	7,099	7,099
<b>Total Dredging OPC</b>	<b>\$163,274</b>	<b>\$163,274</b>	<b>\$163,274</b>	<b>\$163,274</b>	<b>\$163,274</b>	<b>\$163,274</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	2,558	2,685	2,820	2,961	3,109	2,826
Overhead -- Finance Staff	4,263	4,476	4,699	4,934	5,181	4,711
Overhead -- Public Works	4,263	4,476	4,699	4,934	5,181	4,711
<b>Total Expenditures</b>	<b>\$11,083</b>	<b>\$11,637</b>	<b>\$12,219</b>	<b>\$12,829</b>	<b>\$13,471</b>	<b>\$12,248</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	15,795	2,131	2,131	2,131	2,131	4,864
Legal Fees	2,131	1,279	1,279	1,279	1,279	1,449
Collection Costs (Property Appraiser @1.5%)	3,108	2,878	2,887	2,897	2,907	2,935
Collection Costs (Tax Collector @1.5%)	3,108	2,878	2,887	2,897	2,907	2,935
First Class Notice Costs (\$1.53 per)	386	100	100	100	100	157
Statutory Discount (@4%)	8,287	7,674	7,699	7,725	7,753	7,828
<b>Total Misc. Assessment Expenditures</b>	<b>\$32,814</b>	<b>\$16,940</b>	<b>\$16,983</b>	<b>\$17,029</b>	<b>\$17,078</b>	<b>\$20,169</b>
<b>Total Assessable Budget</b>	<b>\$207,170</b>	<b>\$191,850</b>	<b>\$192,476</b>	<b>\$193,132</b>	<b>\$193,822</b>	<b>\$195,690</b>
<b>Units</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$3,317</b>	<b>\$3,071</b>	<b>\$3,081</b>	<b>\$3,092</b>	<b>\$3,103</b>	<b>\$3,133</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$276.42</b>	<b>\$255.92</b>	<b>\$256.75</b>	<b>\$257.67</b>	<b>\$258.58</b>	<b>\$261.08</b>

**Group 4**

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	2,695	2,695	2,695	2,695	2,695	2,695
Mob/Demob (LS)	119,119	119,119	119,119	119,119	119,119	119,119
Dredging & Placement (CY)	192,388	192,388	192,388	192,388	192,388	192,388
Environmental Protection	14,237	14,237	14,237	14,237	14,237	14,237
Seagrass Transplanting & Monitoring (CY)	35,975	35,975	35,975	35,975	35,975	35,975
Engineering Fees - Plans, Design & Specs	36,441	36,441	36,441	36,441	36,441	36,441
Construction Administration	18,221	18,221	18,221	18,221	18,221	18,221
<b>Total Dredging OPC</b>	<b>\$419,077</b>	<b>\$419,077</b>	<b>\$419,077</b>	<b>\$419,077</b>	<b>\$419,077</b>	<b>\$419,077</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	11,265	11,828	12,420	13,041	13,693	12,449
Overhead -- Finance Staff	18,775	19,714	20,700	21,735	22,822	20,749
Overhead -- Public Works	18,775	19,714	20,700	21,735	22,822	20,749
<b>Total Expenditures</b>	<b>\$48,816</b>	<b>\$51,257</b>	<b>\$53,820</b>	<b>\$56,511</b>	<b>\$59,336</b>	<b>\$53,948</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	69,574	9,388	9,388	9,388	9,388	21,425
Legal Fees	9,388	5,633	5,633	5,633	5,633	6,384
Collection Costs (Property Appraiser @1.5%)	8,832	7,830	7,871	7,915	7,960	8,082
Collection Costs (Tax Collector @1.5%)	8,832	7,830	7,871	7,915	7,960	8,082
First Class Notice Costs (\$1.53 per)	710	100	100	100	100	222
Statutory Discount (@4%)	23,551	20,880	20,990	21,106	21,227	21,551
<b>Total Misc. Assessment Expenditures</b>	<b>\$120,887</b>	<b>\$51,660</b>	<b>\$51,853</b>	<b>\$52,055</b>	<b>\$52,268</b>	<b>\$65,744</b>
<b>Total Assessable Budget</b>	<b>\$588,779</b>	<b>\$521,993</b>	<b>\$524,749</b>	<b>\$527,642</b>	<b>\$530,681</b>	<b>\$538,769</b>
<b>Units</b>	<b>126</b>	<b>126</b>	<b>126</b>	<b>126</b>	<b>126</b>	<b>126</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$4,666</b>	<b>\$4,136</b>	<b>\$4,158</b>	<b>\$4,181</b>	<b>\$4,205</b>	<b>\$4,269</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$388.83</b>	<b>\$344.67</b>	<b>\$346.50</b>	<b>\$348.42</b>	<b>\$350.42</b>	<b>\$355.75</b>

Group 5

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	1,764	1,764	1,764	1,764	1,764	1,764
Mob/Demob (LS)	115,321	115,321	115,321	115,321	115,321	115,321
Dredging & Placement (CY)	125,952	125,952	125,952	125,952	125,952	125,952
Environmental Protection	9,320	9,320	9,320	9,320	9,320	9,320
Seagrass Transplanting & Monitoring (CY)	14,426	14,426	14,426	14,426	14,426	14,426
Engineering Fees - Plans, Design & Specs	26,678	26,678	26,678	26,678	26,678	26,678
Construction Administration	13,339	13,339	13,339	13,339	13,339	13,339
<b>Total Dredging OPC</b>	<b>\$306,802</b>	<b>\$306,802</b>	<b>\$306,802</b>	<b>\$306,802</b>	<b>\$306,802</b>	<b>\$306,802</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	6,556	6,884	7,228	7,590	7,969	7,245
Overhead -- Finance Staff	10,927	11,473	12,047	12,649	13,282	12,076
Overhead -- Public Works	10,927	11,473	12,047	12,649	13,282	12,076
<b>Total Expenditures</b>	<b>\$28,410</b>	<b>\$29,831</b>	<b>\$31,322</b>	<b>\$32,888</b>	<b>\$34,533</b>	<b>\$31,397</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	40,491	5,463	5,463	5,463	5,463	12,469
Legal Fees	5,463	3,278	3,278	3,278	3,278	3,715
Collection Costs (Property Appraiser @1.5%)	6,164	5,572	5,596	5,621	5,648	5,720
Collection Costs (Tax Collector @1.5%)	6,164	5,572	5,596	5,621	5,648	5,720
First Class Notice Costs (\$1.53 per)	988	100	100	100	100	278
Statutory Discount (@4%)	16,437	14,859	14,923	14,991	15,061	15,254
<b>Total Misc. Assessment Expenditures</b>	<b>\$75,707</b>	<b>\$34,845</b>	<b>\$34,957</b>	<b>\$35,075</b>	<b>\$35,199</b>	<b>\$43,157</b>
<b>Total Assessable Budget</b>	<b>\$410,919</b>	<b>\$371,478</b>	<b>\$373,081</b>	<b>\$374,765</b>	<b>\$376,533</b>	<b>\$381,355</b>
<b>Units</b>	<b>614</b>	<b>614</b>	<b>614</b>	<b>614</b>	<b>614</b>	<b>614</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$670</b>	<b>\$606</b>	<b>\$608</b>	<b>\$611</b>	<b>\$614</b>	<b>\$622</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$55.83</b>	<b>\$50.50</b>	<b>\$50.67</b>	<b>\$50.92</b>	<b>\$51.17</b>	<b>\$51.83</b>

Group 6

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	2,258	2,258	2,258	2,258	2,258	2,258
Mob/Demob (LS)	157,839	157,839	157,839	157,839	157,839	157,839
Dredging & Placement (CY)	161,207	161,207	161,207	161,207	161,207	161,207
Environmental Protection	11,929	11,929	11,929	11,929	11,929	11,929
Seagrass Transplanting & Monitoring (CY)	26,031	26,031	26,031	26,031	26,031	26,031
Engineering Fees - Plans, Design & Specs	35,927	35,927	35,927	35,927	35,927	35,927
Construction Administration	17,963	17,963	17,963	17,963	17,963	17,963
<b>Total Dredging OPC</b>	<b>\$413,155</b>	<b>\$413,155</b>	<b>\$413,155</b>	<b>\$413,155</b>	<b>\$413,155</b>	<b>\$413,155</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	6,140	6,447	6,769	7,108	7,463	6,786
Overhead -- Finance Staff	10,233	10,745	11,282	11,846	12,439	11,309
Overhead -- Public Works	10,233	10,745	11,282	11,846	12,439	11,309
<b>Total Expenditures</b>	<b>\$26,607</b>	<b>\$27,937</b>	<b>\$29,334</b>	<b>\$30,801</b>	<b>\$32,341</b>	<b>\$29,404</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	37,921	5,117	5,117	5,117	5,117	11,678
Legal Fees	5,117	3,070	3,070	3,070	3,070	3,479
Collection Costs (Property Appraiser @1.5%)	7,802	7,248	7,271	7,294	7,319	7,387
Collection Costs (Tax Collector @1.5%)	7,802	7,248	7,271	7,294	7,319	7,387
First Class Notice Costs (\$1.53 per)	926	100	100	100	100	265
Statutory Discount (@4%)	20,805	19,328	19,388	19,451	19,518	19,698
<b>Total Misc. Assessment Expenditures</b>	<b>\$80,373</b>	<b>\$42,111</b>	<b>\$42,216</b>	<b>\$42,326</b>	<b>\$42,442</b>	<b>\$49,894</b>
<b>Total Assessable Budget</b>	<b>\$520,135</b>	<b>\$483,203</b>	<b>\$484,705</b>	<b>\$486,282</b>	<b>\$487,938</b>	<b>\$492,453</b>
<b>Units</b>	<b>583</b>	<b>583</b>	<b>583</b>	<b>583</b>	<b>583</b>	<b>583</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$892</b>	<b>\$829</b>	<b>\$831</b>	<b>\$834</b>	<b>\$837</b>	<b>\$845</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$74.33</b>	<b>\$69.08</b>	<b>\$69.25</b>	<b>\$69.50</b>	<b>\$69.75</b>	<b>\$70.42</b>

Group 7

	2024	2025	2026	2027	2028	Five-Year Average Annual
Insurance/Bonding	486	486	486	486	486	486
Mob/Demob (LS)	82,865	82,865	82,865	82,865	82,865	82,865
Dredging & Placement (CY)	34,702	34,702	34,702	34,702	34,702	34,702
Environmental Protection	2,568	2,568	2,568	2,568	2,568	2,568
Seagrass Transplanting & Monitoring (CY)	7,590	7,590	7,590	7,590	7,590	7,590
Engineering Fees - Plans, Design & Specs	12,821	12,821	12,821	12,821	12,821	12,821
Construction Administration	6,411	6,411	6,411	6,411	6,411	6,411
<b>Total Dredging OPC</b>	<b>\$147,444</b>	<b>\$147,444</b>	<b>\$147,444</b>	<b>\$147,444</b>	<b>\$147,444</b>	<b>\$147,444</b>
<b>Annual O&amp;M</b>						
Navigational Markers repair & replacement	101	107	112	117	123	112
Overhead -- Finance Staff	169	178	186	196	206	187
Overhead -- Public Works	169	178	186	196	206	187
<b>Total Expenditures</b>	<b>\$440</b>	<b>\$462</b>	<b>\$485</b>	<b>\$509</b>	<b>\$535</b>	<b>\$486</b>
<b>Misc. Assessment Expenditures</b>						
Study & Implementation	627	85	85	85	85	193
Legal Fees	85	51	51	51	51	58
Collection Costs (Property Appraiser @1.5%)	2,397	2,389	2,390	2,390	2,391	2,391
Collection Costs (Tax Collector @1.5%)	2,397	2,389	2,390	2,390	2,391	2,391
First Class Notice Costs (\$1.53 per)	15	100	100	100	100	83
Statutory Discount (@4%)	6,392	6,372	6,373	6,374	6,375	6,377
<b>Total Misc. Assessment Expenditures</b>	<b>\$11,912</b>	<b>\$11,386</b>	<b>\$11,387</b>	<b>\$11,389</b>	<b>\$11,391</b>	<b>\$11,493</b>
<b>Total Assessable Budget</b>	<b>\$159,796</b>	<b>\$159,291</b>	<b>\$159,316</b>	<b>\$159,342</b>	<b>\$159,369</b>	<b>\$159,423</b>
<b>Units</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>	<b>26</b>
<b>Annual Rate Per Billing Unit</b>	<b>\$6,123</b>	<b>\$6,104</b>	<b>\$6,105</b>	<b>\$6,106</b>	<b>\$6,107</b>	<b>\$6,109</b>
<b>Monthly Rate Per Billing Unit</b>	<b>\$510.25</b>	<b>\$508.67</b>	<b>\$508.75</b>	<b>\$508.83</b>	<b>\$508.92</b>	<b>\$509.08</b>

## General Benefit Budget

	<b>5-Year Total</b>	<b>5-Year Average Annual</b>
Group 1	\$555,041	\$111,008
Group 2	\$84,294	\$16,859
Group 3	\$564,956	\$112,991
Group 4	\$1,804,942	\$360,988
Group 5	\$920,071	\$184,014
Group 6	\$1,033,286	\$206,657
Group 7	\$719,594	\$143,919
<b>Total Dredging OPC</b>	<b>\$5,682,184</b>	<b>\$1,136,437</b>
Statutory Discount		\$48,879
PA @ 1.5%		\$18,330
TC @ 1.5%		\$18,330
<b>Total Collection</b>		<b>\$85,538</b>
<b>Total</b>		<b>\$1,221,975</b>

**5-Year Average Annual Costs**

	<b>Group 1</b>	<b>Group 2</b>	<b>Group 3</b>	<b>Group 4</b>	<b>Group 5</b>	<b>Group 6</b>	<b>Group 7</b>	<b>General</b>
<b>Dredging OPC</b>	\$343,746	\$419,082	\$163,274	\$419,077	\$306,802	\$413,155	\$147,444	\$1,136,437
<b>O&amp;M</b>	\$19,975	\$27,606	\$12,248	\$53,948	\$31,397	\$29,404	\$486	\$0
<b>Total Expenditures</b>	<b>\$363,721</b>	<b>\$446,687</b>	<b>\$175,521</b>	<b>\$473,024</b>	<b>\$338,199</b>	<b>\$442,559</b>	<b>\$147,930</b>	<b>\$1,136,437</b>
<b>Total Misc. Assessment Expenditures</b>	<b>\$38,670</b>	<b>\$49,196</b>	<b>\$20,169</b>	<b>\$65,744</b>	<b>\$43,157</b>	<b>\$49,894</b>	<b>\$11,493</b>	<b>\$85,538</b>
<b>Total Assessable Budget</b>	<b>\$402,391</b>	<b>\$495,883</b>	<b>\$195,690</b>	<b>\$538,769</b>	<b>\$381,355</b>	<b>\$492,453</b>	<b>\$159,423</b>	<b>\$1,221,975</b>
<b>Units</b>	325	404	62	126	614	583	26	
<b>Annual Rate</b>	<b>\$1,238</b>	<b>\$1,228</b>	<b>\$3,133</b>	<b>\$4,269</b>	<b>\$622</b>	<b>\$845</b>	<b>\$6,109</b>	<b>0.1524</b>
<b>Monthly Rate</b>	\$103.17	\$102.33	\$261.08	\$355.75	\$51.83	\$70.42	\$509.08	

<b>Taxable Value</b>	\$8,353,979,772
<b>Millage Rate</b>	0.1524
<b>Estimated Millage Revenue</b>	\$1,222,221
<b>Revenue Needed</b>	\$1,221,975
<b>Difference</b>	\$246

**Examples**

<b>Taxable Value</b>	<b>Millage Charge</b>
\$250,000	\$38.10
500,000	\$76.20
750,000	\$114.30
1,000,000	\$152.40
1,500,000	\$228.60
2,000,000	\$304.80

CANAL GROUP 1											Total Estimate - Future FY				
CANAL NAME	Classification	Estimated Dredge Quantities	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement	Environmental Protection	Seagrass Transplanting & Monitoring	Engineering Fees - Plans, Design & Specs	Construction Administration	Total Estimate - Current FY	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
1	Local Canal - Direct Benefit	859	\$538	\$42,162	\$38,403	\$2,842	\$6,374	\$9,032	\$4,516	\$103,867	\$108,645	\$113,208	\$117,736	\$122,446	\$127,588
1P	Access Channel - General Benefit	1,115	\$699	\$42,162	\$49,877	\$8,235	\$8,235	\$10,466	\$5,233	\$120,363	\$125,899	\$131,187	\$136,435	\$141,892	\$147,851
2	Local Canal - Direct Benefit	5,456	\$3,418	\$42,162	\$243,973	\$18,054	\$43,070	\$35,068	\$17,534	\$403,278	\$421,829	\$439,546	\$457,128	\$475,413	\$495,380
2A	Access Channel - General Benefit	162	\$102	\$42,162	\$7,254	\$537	\$1,198	\$5,125	\$2,563	\$58,939	\$61,651	\$64,240	\$66,810	\$69,482	\$72,400
2A	Access Channel - General Benefit	2,329	\$1,459	\$42,162	\$104,164	\$7,708	\$17,197	\$17,269	\$8,635	\$198,595	\$207,730	\$216,455	\$225,113	\$234,117	\$243,950
2A	Local Canal - Direct Benefit	395	\$248	\$42,162	\$17,670	\$1,308	\$2,917	\$6,430	\$3,215	\$73,950	\$77,352	\$80,601	\$83,825	\$87,178	\$90,839
2B	Local Canal - Direct Benefit	212	\$133	\$42,162	\$9,459	\$700	\$781	\$5,323	\$2,662	\$61,219	\$64,035	\$66,725	\$69,394	\$72,170	\$75,201
3	Local Canal - Direct Benefit	425	\$266	\$42,162	\$18,998	\$1,406	\$6,384	\$3,192	\$3,192	\$73,420	\$76,797	\$80,023	\$83,224	\$86,552	\$90,188
4	Local Canal - Direct Benefit	613	\$384	\$42,162	\$27,409	\$2,028	\$1,994	\$7,398	\$3,699	\$85,074	\$88,987	\$92,725	\$96,434	\$100,291	\$104,503
5	Local Canal - Direct Benefit	640	\$401	\$42,162	\$28,599	\$2,116	\$2,002	\$7,528	\$3,764	\$86,572	\$90,554	\$94,357	\$98,131	\$102,057	\$106,343
6	Local Canal - Direct Benefit	532	\$334	\$42,162	\$23,812	\$1,762	\$1,824	\$6,989	\$3,495	\$80,378	\$84,076	\$87,607	\$91,111	\$94,755	\$98,735
7	Local Canal - Direct Benefit	1,037	\$650	\$42,162	\$46,367	\$3,431	\$3,487	\$9,610	\$4,805	\$110,511	\$115,594	\$120,449	\$125,267	\$130,278	\$135,749
7A	Local Canal - Direct Benefit	978	\$613	\$42,162	\$43,736	\$3,236	\$7,741	\$9,749	\$4,874	\$112,111	\$117,268	\$122,194	\$127,081	\$132,165	\$137,716
8	Local Canal - Direct Benefit	1,020	\$639	\$42,162	\$45,607	\$3,375	\$3,528	\$9,531	\$4,766	\$109,607	\$114,648	\$119,464	\$124,242	\$129,212	\$134,639
9	Local Canal - Direct Benefit	779	\$488	\$42,162	\$34,851	\$2,579	\$2,621	\$8,270	\$4,135	\$95,106	\$99,481	\$103,659	\$107,806	\$112,118	\$116,827
10	Local Canal - Direct Benefit	499	\$313	\$42,162	\$22,323	\$1,652	\$1,409	\$6,786	\$3,393	\$78,037	\$81,627	\$85,055	\$88,458	\$91,996	\$95,860
<b>1</b>	Access Channel - General Benefit	3,607	\$2,260	\$126,486	\$161,295	\$11,936	\$26,629	\$32,861	\$16,430	\$377,897	\$395,280	\$411,882	\$428,357	\$445,491	\$464,202
	Arterial Channel - Cost Share Benefit	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Local Canal - Direct Benefit	13,444	\$8,422	\$548,104	\$601,207	\$44,489	\$78,760	\$128,098	\$64,049	\$1,473,130	\$1,540,894	\$1,605,611	\$1,669,836	\$1,736,629	\$1,809,568

CANAL GROUP 2											PROJECTED TOTAL CONSTRUCTION COSTS				
CANAL NAME	Classification	Estimated Dredge Quantities	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement	Environmental Protection	Seagrass Transplanting & Monitoring	Engineering Fees - Plans, Design & Specs	Construction Administration	Total Estimate - Current FY	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
11	Local Canal - Direct Benefit	1,747	\$1,070	\$37,477	\$76,408	\$5,654	\$14,228	\$13,484	\$6,742	\$155,063	\$162,196	\$169,008	\$175,769	\$182,799	\$190,477
11A	Local Canal - Direct Benefit	1,690	\$1,035	\$37,477	\$73,915	\$5,470	\$13,980	\$13,188	\$6,594	\$151,659	\$158,635	\$165,298	\$171,910	\$178,786	\$186,295
11A	Access Channel - General Benefit	433	\$265	\$37,477	\$18,930	\$1,401	\$1,598	\$5,967	\$2,984	\$68,622	\$71,778	\$74,793	\$77,785	\$80,896	\$84,294
11B	Local Canal - Direct Benefit	544	\$333	\$37,477	\$23,783	\$1,760	\$2,007	\$6,536	\$3,268	\$75,165	\$78,623	\$81,925	\$85,202	\$88,610	\$92,331
11B	Local Canal - Direct Benefit	209	\$128	\$37,477	\$9,159	\$678	\$724	\$4,817	\$2,408	\$55,392	\$57,940	\$60,374	\$62,789	\$65,300	\$68,043
11C	Local Canal - Direct Benefit	638	\$391	\$37,477	\$27,920	\$2,066	\$5,052	\$7,291	\$3,645	\$83,843	\$87,699	\$91,383	\$95,038	\$98,840	\$102,991
12	Local Canal - Direct Benefit	1,416	\$868	\$37,477	\$61,946	\$4,584	\$5,605	\$11,048	\$5,524	\$127,052	\$132,896	\$138,478	\$144,017	\$149,778	\$156,069
13	Local Canal - Direct Benefit	1,233	\$756	\$37,477	\$53,948	\$3,992	\$5,102	\$10,128	\$5,064	\$116,466	\$121,824	\$126,941	\$132,018	\$137,299	\$143,065
14	Local Canal - Direct Benefit	1,499	\$919	\$37,477	\$65,580	\$4,853	\$6,286	\$11,511	\$5,756	\$132,382	\$138,472	\$144,287	\$150,059	\$156,061	\$162,616
14B	Local Canal - Direct Benefit	1,072	\$657	\$37,477	\$46,873	\$3,469	\$4,520	\$9,300	\$4,650	\$106,945	\$111,864	\$116,562	\$121,225	\$126,074	\$131,369
15N	Local Canal - Direct Benefit	356	\$218	\$37,477	\$15,557	\$1,151	\$1,230	\$5,563	\$2,782	\$63,978	\$66,921	\$69,732	\$72,521	\$75,422	\$78,590
15S	Local Canal - Direct Benefit	977	\$598	\$37,477	\$42,720	\$3,161	\$3,378	\$8,734	\$4,367	\$100,435	\$105,055	\$109,468	\$113,846	\$118,400	\$123,373
15W	Local Canal - Direct Benefit	917	\$562	\$37,477	\$40,095	\$2,967	\$7,527	\$8,863	\$4,431	\$101,922	\$106,610	\$111,088	\$115,531	\$120,152	\$125,199
16	Local Canal - Direct Benefit	630	\$386	\$37,477	\$27,563	\$2,040	\$3,315	\$7,078	\$3,539	\$81,398	\$85,142	\$88,718	\$92,267	\$95,957	\$99,987
16A	Local Canal - Direct Benefit	712	\$436	\$37,477	\$31,130	\$2,304	\$6,038	\$7,739	\$3,869	\$88,994	\$93,087	\$96,997	\$100,877	\$104,912	\$109,318
17	Local Canal - Direct Benefit	913	\$559	\$37,477	\$39,936	\$2,955	\$5,282	\$8,621	\$4,311	\$99,142	\$103,702	\$108,058	\$112,380	\$116,875	\$121,784
18	Local Canal - Direct Benefit	554	\$340	\$37,477	\$24,244	\$1,794	\$5,503	\$6,936	\$3,468	\$79,761	\$83,430	\$86,934	\$90,412	\$94,028	\$97,977
19	Local Canal - Direct Benefit	696	\$427	\$37,477	\$30,464	\$2,254	\$4,360	\$7,498	\$3,749	\$86,230	\$90,197	\$93,985	\$97,744	\$101,654	\$105,923
<b>2</b>	Access Channel - General Benefit	433	\$265	\$37,477	\$18,930	\$1,401	\$1,598	\$5,967	\$2,984	\$68,622	\$71,778	\$74,793	\$77,785	\$80,896	\$84,294
	Arterial Channel - Cost Share Benefit	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Local Canal - Direct Benefit	15,803	\$9,683	\$637,113	\$691,242	\$51,152	\$94,137	\$148,333	\$74,166	\$1,705,826	\$1,784,294	\$1,859,234	\$1,933,604	\$2,010,948	\$2,095,408

CANAL GROUP 3											PROJECTED TOTAL CONSTRUCTION COSTS				
CANAL NAME	Classification	Estimated Dredge Quantities	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement	Environmental Protection	Seagrass Transplanting & Monitoring	Engineering Fees - Plans, Design & Specs	Construction Administration	Total Estimate - Current FY	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
20	Local Canal - Direct Benefit	90	\$67	\$56,216	\$4,753	\$352	\$0	\$6,139	\$3,069	\$70,596	\$73,843	\$76,944	\$80,022	\$83,223	\$86,718
20A	Access Channel - General Benefit	494	\$367	\$56,216	\$26,180	\$1,937	\$3,710	\$8,841	\$4,420	\$101,671	\$106,348	\$110,814	\$115,247	\$119,857	\$124,891
20P	Local Canal - Direct Benefit	650	\$483	\$56,216	\$34,446	\$2,549	\$3,671	\$9,736	\$4,868	\$111,969	\$117,119	\$122,038	\$126,920	\$131,997	\$137,541
21	Local Canal - Direct Benefit	58	\$43	\$56,216	\$3,052	\$226	\$0	\$5,954	\$2,977	\$68,467	\$71,616	\$74,624	\$77,609	\$80,713	\$84,103
21A	Access Channel - General Benefit	381	\$283	\$56,216	\$20,206	\$1,495	\$2,481	\$8,068	\$4,034	\$92,784	\$97,052	\$101,128	\$105,174	\$109,381	\$113,974
21P	Local Canal - Direct Benefit	1,272	\$944	\$56,216	\$67,404	\$4,988	\$8,554	\$13,811	\$6,905	\$158,822	\$166,128	\$173,105	\$180,029	\$187,231	\$195,094
22	Local Canal - Direct Benefit	89	\$66	\$56,216	\$4,697	\$348	\$307	\$6,163	\$3,082	\$70,878	\$74,138	\$77,252	\$80,342	\$83,556	\$87,065
22A	Access Channel - General Benefit	1,032	\$766	\$56,216	\$54,695	\$4,047	\$5,043	\$12,077	\$6,038	\$138,883	\$145,272	\$151,373	\$157,428	\$163,725	\$170,602
22P	Local Canal - Direct Benefit	322	\$239	\$56,216	\$17,040	\$1,261	\$2,200	\$7,696	\$3,848	\$88,499	\$92,570	\$96,458	\$100,317	\$104,329	\$108,711
23	Local Canal - Direct Benefit	100	\$74	\$56,216	\$5,295	\$392	\$320	\$6,230	\$3,115	\$71,642	\$74,937	\$78,085	\$81,208	\$84,456	\$88,004
23P	Local Canal - Direct Benefit	136	\$101	\$56,216	\$7,183	\$532	\$957	\$6,499	\$3,249	\$74,736	\$78,174	\$81,457	\$84,715	\$88,104	\$91,804
24	Local Canal - Direct Benefit	156	\$116	\$56,216	\$8,291	\$614	\$468	\$6,570	\$3,285	\$75,560	\$79,036	\$82,355	\$85,650	\$89,076	\$92,817
<b>3</b>	Access Channel - General Benefit	1,907	\$1,416	\$168,647	\$101,082	\$7,480	\$11,234	\$28,986	\$14,493	\$333,338	\$348,672	\$363,316	\$377,849	\$392,963	\$409,467
	Arterial Channel - Cost Share Benefit	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Local Canal - Direct Benefit	2,871	\$2,132	\$505,942	\$152,162	\$11,260	\$16,476	\$68,797	\$34,399	\$791,168	\$827,562	\$862,319	\$896,812	\$932,685	\$971,857

CANAL GROUP 4												PROJECTED TOTAL CONSTRUCTION COSTS				
CANAL NAME	Classification	Estimated Dredge Quantities	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement	Environmental Protection	Seagrass Transplanting & Monitoring	Engineering Fees - Plans, Design & Specs	Construction Administration	Total Estimate - Current FY	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
24P	Arterial Channel - Cost Share Benefit	1,024	\$653	\$42,162	\$46,635	\$3,451	\$8,105	\$10,101	\$5,050	\$116,157	\$121,501	\$126,604	\$131,668	\$136,934	\$142,686	
25	Local Canal - Direct Benefit	127	\$81	\$42,162	\$5,801	\$4,885	\$381	\$4,885	\$2,443	\$56,183	\$58,767	\$61,235	\$63,685	\$66,232	\$69,014	
26	Local Canal - Direct Benefit	806	\$514	\$42,162	\$36,700	\$2,716	\$2,975	\$8,507	\$4,253	\$97,826	\$102,326	\$106,624	\$110,889	\$115,324	\$120,168	
26P	Arterial Channel - Cost Share Benefit	4,033	\$2,573	\$42,162	\$183,676	\$13,592	\$35,793	\$27,780	\$13,890	\$319,466	\$334,161	\$348,196	\$362,124	\$376,609	\$392,426	
31A	Access Channel - General Benefit	6,355	\$4,054	\$42,162	\$289,418	\$21,417	\$60,039	\$41,709	\$20,854	\$479,653	\$501,717	\$522,790	\$543,701	\$565,449	\$589,198	
26P	Arterial Channel - Cost Share Benefit	2,969	\$1,894	\$42,162	\$135,233	\$10,007	\$26,353	\$21,565	\$10,783	\$247,998	\$259,406	\$270,301	\$281,113	\$292,357	\$304,636	
27	Local Canal - Direct Benefit	112	\$72	\$42,162	\$5,116	\$379	\$720	\$4,845	\$2,422	\$55,716	\$58,279	\$60,727	\$63,156	\$65,682	\$68,441	
28	Local Canal - Direct Benefit	92	\$58	\$42,162	\$4,167	\$308	\$420	\$4,712	\$2,356	\$54,184	\$56,676	\$59,057	\$61,419	\$63,876	\$66,558	
29	Local Canal - Direct Benefit	637	\$406	\$42,162	\$29,013	\$2,147	\$4,407	\$7,814	\$3,907	\$89,855	\$93,989	\$97,936	\$101,854	\$105,928	\$110,377	
30	Local Canal - Direct Benefit	785	\$501	\$42,162	\$35,771	\$2,647	\$5,594	\$8,668	\$4,334	\$99,677	\$104,262	\$108,641	\$112,986	\$117,506	\$122,441	
31	Local Canal - Direct Benefit	7,034	\$4,487	\$42,162	\$320,333	\$23,705	\$65,053	\$45,574	\$22,787	\$524,100	\$548,208	\$571,233	\$594,083	\$617,846	\$643,795	
31A	Access Channel - General Benefit	8,835	\$5,636	\$42,162	\$402,353	\$29,774	\$83,467	\$56,339	\$28,170	\$647,900	\$677,704	\$706,167	\$734,414	\$763,791	\$795,870	
31C	Local Canal - Direct Benefit	2,300	\$1,467	\$42,162	\$104,733	\$7,750	\$21,269	\$17,738	\$8,869	\$203,989	\$213,372	\$222,334	\$231,227	\$240,476	\$250,576	
31D	Local Canal - Direct Benefit	645	\$411	\$42,162	\$29,363	\$2,173	\$5,103	\$7,921	\$3,961	\$91,094	\$95,284	\$99,286	\$103,258	\$107,388	\$111,898	
31E	Local Canal - Direct Benefit	644	\$411	\$42,162	\$29,325	\$2,170	\$5,386	\$7,945	\$3,973	\$91,372	\$95,575	\$99,589	\$103,572	\$107,715	\$112,239	
32	Local Canal - Direct Benefit	699	\$446	\$42,162	\$31,847	\$2,357	\$2,322	\$7,913	\$3,957	\$91,004	\$95,190	\$99,188	\$103,156	\$107,282	\$111,788	
4	Access Channel - General Benefit	15,190	\$9,691	\$84,324	\$691,771	\$51,191	\$143,505	\$98,048	\$49,024	\$1,127,554	\$1,179,421	\$1,228,957	\$1,278,115	\$1,329,240	\$1,385,068	
	Arterial Channel - Cost Share Benefit	8,027	\$5,121	\$126,486	\$365,545	\$27,050	\$70,252	\$59,445	\$29,723	\$683,621	\$715,067	\$745,100	\$774,904	\$805,900	\$839,748	
	Local Canal - Direct Benefit	13,881	\$8,856	\$463,781	\$632,170	\$46,781	\$113,630	\$126,522	\$63,261	\$1,454,999	\$1,521,929	\$1,585,850	\$1,649,284	\$1,715,256	\$1,787,297	

CANAL GROUP 5												PROJECTED TOTAL CONSTRUCTION COSTS				
CANAL NAME	Classification	Estimated Dredge Quantities	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement	Environmental Protection	Seagrass Transplanting & Monitoring	Engineering Fees - Plans, Design & Specs	Construction Administration	Total Estimate - Current FY	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
32A	Access Channel - General Benefit	1,459	\$894	\$44,973	\$63,797	\$4,721	\$12,174	\$12,656	\$6,328	\$145,542	\$152,237	\$158,631	\$164,976	\$171,575	\$178,781	
32B	Arterial Channel - Cost Share Benefit	390	\$239	\$44,973	\$17,038	\$1,261	\$3,085	\$6,660	\$3,330	\$76,585	\$80,108	\$83,472	\$86,811	\$90,283	\$94,075	
32B	Local Canal - Direct Benefit	755	\$463	\$44,973	\$33,018	\$2,443	\$5,978	\$8,687	\$4,344	\$99,906	\$104,502	\$108,891	\$113,247	\$117,776	\$122,723	
32P	Arterial Channel - Cost Share Benefit	3,438	\$2,105	\$44,973	\$150,283	\$11,121	\$20,546	\$22,903	\$11,451	\$263,382	\$275,498	\$287,069	\$298,552	\$310,494	\$323,534	
32P	Local Canal - Direct Benefit	2,033	\$1,245	\$44,973	\$88,858	\$6,575	\$12,148	\$15,380	\$7,690	\$176,869	\$185,005	\$192,775	\$200,486	\$208,506	\$217,263	
33	Access Channel - General Benefit	219	\$134	\$44,973	\$9,558	\$707	\$1,690	\$5,706	\$2,853	\$65,621	\$68,640	\$71,523	\$74,384	\$77,359	\$80,608	
33	Arterial Channel - Cost Share Benefit	513	\$314	\$44,973	\$22,433	\$1,660	\$3,966	\$7,335	\$3,667	\$84,348	\$88,228	\$91,933	\$95,611	\$99,435	\$103,611	
33	Local Canal - Direct Benefit	468	\$286	\$44,973	\$20,449	\$1,513	\$3,616	\$7,084	\$3,542	\$81,463	\$85,210	\$88,789	\$92,341	\$96,035	\$100,068	
33A	Access Channel - General Benefit	854	\$523	\$44,973	\$37,350	\$2,764	\$6,262	\$9,187	\$4,594	\$105,653	\$110,513	\$115,154	\$119,760	\$124,551	\$129,782	
33B	Arterial Channel - Cost Share Benefit	4,301	\$2,634	\$44,973	\$188,034	\$13,915	\$15,579	\$26,513	\$13,257	\$304,905	\$318,930	\$332,326	\$345,619	\$359,443	\$374,540	
33C	Arterial Channel - Cost Share Benefit	1,418	\$868	\$44,973	\$61,977	\$4,586	\$5,135	\$11,754	\$5,877	\$135,169	\$141,387	\$147,325	\$153,218	\$159,347	\$166,040	
33C	Local Canal - Direct Benefit	746	\$457	\$44,973	\$32,630	\$2,415	\$2,954	\$8,343	\$4,171	\$95,943	\$100,356	\$104,571	\$108,754	\$113,104	\$117,854	
33C	Local Canal - Direct Benefit	746	\$457	\$44,973	\$32,609	\$2,413	\$2,883	\$8,333	\$4,167	\$95,834	\$100,242	\$104,452	\$108,631	\$112,976	\$117,721	
33C	Local Canal - Direct Benefit	770	\$471	\$44,973	\$33,651	\$2,490	\$2,821	\$8,441	\$4,220	\$97,067	\$101,532	\$105,797	\$110,029	\$114,430	\$119,236	
33C	Local Canal - Direct Benefit	451	\$276	\$44,973	\$19,731	\$1,460	\$1,841	\$6,828	\$3,414	\$78,523	\$82,135	\$85,585	\$89,008	\$92,568	\$96,456	
5	Access Channel - General Benefit	2,532	\$1,551	\$134,918	\$110,705	\$8,192	\$20,126	\$27,549	\$13,775	\$316,816	\$331,389	\$345,308	\$359,120	\$373,485	\$389,171	
	Arterial Channel - Cost Share Benefit	10,060	\$6,161	\$224,863	\$439,765	\$32,543	\$48,311	\$75,164	\$37,582	\$864,389	\$904,151	\$942,125	\$979,810	\$1,019,003	\$1,061,801	
	Local Canal - Direct Benefit	5,969	\$3,656	\$314,809	\$260,946	\$19,310	\$32,241	\$63,096	\$31,548	\$725,606	\$758,983	\$790,861	\$822,495	\$855,395	\$891,322	

CANAL GROUP 6												PROJECTED TOTAL CONSTRUCTION COSTS				
CANAL NAME	Classification	Estimated Dredge Quantities	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement	Environmental Protection	Seagrass Transplanting & Monitoring	Engineering Fees - Plans, Design & Specs	Construction Administration	Total Estimate - Current FY	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
34	Local Canal - Direct Benefit	919	\$576	\$32,123	\$41,101	\$3,041	\$6,733	\$8,357	\$4,179	\$96,111	\$100,532	\$104,754	\$108,944	\$113,302	\$118,061	
35	Local Canal - Direct Benefit	851	\$533	\$32,123	\$38,080	\$2,818	\$6,190	\$7,974	\$3,987	\$91,706	\$95,925	\$99,954	\$103,952	\$108,110	\$112,651	
36	Local Canal - Direct Benefit	884	\$554	\$32,123	\$39,536	\$2,926	\$6,476	\$8,161	\$4,081	\$93,857	\$98,174	\$102,298	\$106,390	\$110,645	\$115,292	
37	Local Canal - Direct Benefit	893	\$560	\$32,123	\$39,960	\$2,957	\$6,521	\$8,212	\$4,106	\$94,439	\$98,783	\$102,932	\$107,049	\$111,331	\$116,007	
38	Local Canal - Direct Benefit	896	\$562	\$32,123	\$40,096	\$2,967	\$6,492	\$8,224	\$4,112	\$94,576	\$98,927	\$103,082	\$107,205	\$111,493	\$116,176	
39	Local Canal - Direct Benefit	901	\$565	\$32,123	\$40,329	\$2,984	\$6,476	\$8,248	\$4,124	\$94,849	\$99,213	\$103,379	\$107,515	\$111,815	\$116,511	
40	Local Canal - Direct Benefit	908	\$569	\$32,123	\$40,624	\$3,006	\$6,467	\$8,279	\$4,139	\$95,208	\$99,588	\$103,770	\$107,921	\$112,238	\$116,952	
41	Local Canal - Direct Benefit	934	\$585	\$32,123	\$41,778	\$3,092	\$6,589	\$8,417	\$4,208	\$96,792	\$101,245	\$105,497	\$109,717	\$114,106	\$118,898	
42	Local Canal - Direct Benefit	981	\$615	\$32,123	\$43,884	\$3,247	\$6,954	\$8,682	\$4,341	\$99,848	\$104,441	\$108,827	\$113,180	\$117,707	\$122,651	
43	Local Canal - Direct Benefit	1,234	\$773	\$32,123	\$55,193	\$4,084	\$9,075	\$10,125	\$5,062	\$116,436	\$121,792	\$126,907	\$131,983	\$137,263	\$143,028	
44	Local Canal - Direct Benefit	592	\$371	\$32,123	\$26,504	\$1,961	\$4,374	\$6,533	\$3,267	\$75,133	\$78,589	\$81,890	\$85,166	\$88,572	\$92,292	
45	Local Canal - Direct Benefit	607	\$381	\$32,123	\$27,173	\$2,011	\$4,399	\$6,609	\$3,304	\$76,000	\$79,496	\$82,835	\$86,148	\$89,594	\$93,357	
46	Local Canal - Direct Benefit	672	\$421	\$32,123	\$30,069	\$2,225	\$4,944	\$6,978	\$3,489	\$80,249	\$83,941	\$87,466	\$90,965	\$94,604	\$98,577	
47	Local Canal - Direct Benefit	766	\$480	\$32,123	\$34,266	\$2,536	\$5,787	\$7,519	\$3,760	\$86,471	\$90,449	\$94,248	\$98,018	\$101,938	\$106,220	
48	Local Canal - Direct Benefit	649	\$407	\$32,123	\$29,033	\$2,148	\$4,756	\$6,847	\$3,423	\$78,737	\$82,359	\$85,818	\$89,251	\$92,821	\$96,719	
49	Local Canal - Direct Benefit	681	\$427	\$32,123	\$30,477	\$2,255	\$4,294	\$6,958	\$3,479	\$80,013	\$83,694	\$87,209	\$90,697	\$94,325	\$98,287	
50	Local Canal - Direct Benefit	520	\$326	\$32,123	\$23,252	\$1,721	\$3,837	\$6,126	\$3,063	\$70,448	\$73,689	\$76,784	\$79,855	\$83,049	\$86,537	
51	Local Canal - Direct Benefit	460	\$288	\$32,123	\$20,582	\$1,523	\$3,396	\$5,791	\$2,896	\$66,600	\$69,663	\$72,589	\$75,493	\$78,512	\$81,810	
52	Local Canal - Direct Benefit	248	\$155	\$32,123	\$11,073	\$819	\$1,793	\$4,596	\$2,298	\$52,859	\$55,290	\$57,612	\$59,917	\$62,314	\$64,931	
53	Local Canal - Direct Benefit	71	\$44	\$32,123	\$3,167	\$234	\$405	\$3,597	\$1,799	\$41,370	\$43,273	\$45,090	\$46,894	\$48,770	\$50,818	
54	Access Channel - General Benefit	12,081	\$7,572	\$32,123	\$540,523	\$39,999	\$111,240	\$73,146	\$36,573	\$841,176	\$879,870	\$916,824	\$953,497	\$991,637	\$1,033,286	
6	Access Channel - General Benefit	12,081	\$7,572	\$32,123	\$540,523	\$39,999	\$111,240	\$73,146	\$36,573	\$841,176	\$879,870	\$916,824	\$953,497	\$991,637	\$1,033,286	
	Arterial Channel - Cost Share Benefit	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Local Canal - Direct Benefit	14,666	\$9,192	\$642,467	\$656,176	\$48,557	\$105,958	\$146,23								

CANAL GROUP												PROJECTED TOTAL CONSTRUCTION COSTS				
CANAL NAME	Classification	Estimated Dredge Quantities	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement	Environmental Protection	Seagrass Transplanting & Monitoring	Engineering Fees - Plans, Design & Specs	Construction Administration	Total Estimate - Current FY	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	
55	Local Canal - Direct Benefit	3,020	\$1,788	\$224,863	\$127,625	\$9,444	\$28,209	\$39,193	\$19,596	\$450,719	\$471,452	\$491,253	\$510,903	\$531,339	\$553,655	
55	Access Channel - General Benefit	2,794	\$1,654	\$224,863	\$118,094	\$8,739	\$26,103	\$37,945	\$18,973	\$436,372	\$456,445	\$475,616	\$494,640	\$514,426	\$536,032	
55A	Arterial Channel - Cost Share Benefit	645	\$382	\$224,863	\$27,252	\$2,017	\$5,372	\$25,989	\$12,994	\$298,869	\$312,617	\$325,747	\$338,776	\$352,327	\$367,125	
7	Access Channel - General Benefit	2,794	\$1,654	\$224,863	\$118,094	\$8,739	\$26,103	\$37,945	\$18,973	\$436,372	\$456,445	\$475,616	\$494,640	\$514,426	\$536,032	
	Arterial Channel - Cost Share Benefit	645	\$382	\$224,863	\$27,252	\$2,017	\$5,372	\$25,989	\$12,994	\$298,869	\$312,617	\$325,747	\$338,776	\$352,327	\$367,125	
	Local Canal - Direct Benefit	3,020	\$1,788	\$224,863	\$127,625	\$9,444	\$28,209	\$39,193	\$19,596	\$450,719	\$471,452	\$491,253	\$510,903	\$531,339	\$553,655	

**Longboat Key Inflation Adjusted Probable Costs by Canal Group**

**Canal Group 1**

INFLATION ADJUSTED FUTURE PROBABLE COST								
Construction Fiscal Year	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement (CY)	Environmental Protection	Seagrass Transplanting &	Engineering Fees - Plans, Design &	Construction Administration	Total Estimate
2023	\$10,682	\$674,590	\$762,502	\$56,425	\$105,389	\$160,959	\$80,479	\$1,851,026
2024	\$11,173	\$705,621	\$797,578	\$59,021	\$110,237	\$168,363	\$84,181	\$1,936,174
2025	\$11,642	\$735,257	\$831,076	\$61,500	\$114,867	\$175,434	\$87,717	\$2,017,493
2026	\$12,108	\$764,667	\$864,319	\$63,960	\$119,461	\$182,452	\$91,226	\$2,098,193
2027	\$12,592	\$795,254	\$898,892	\$66,518	\$124,240	\$189,750	\$94,875	\$2,182,120
2028	\$13,121	\$828,655	\$936,645	\$69,312	\$129,458	\$197,719	\$98,860	\$2,273,769

**Canal Group 2**

INFLATION ADJUSTED FUTURE PROBABLE COST								
Construction Fiscal Year	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement (CY)	Environmental Protection	Seagrass Transplanting &	Engineering Fees - Plans, Design &	Construction Administration	Total Estimate
2023	\$9,949	\$674,590	\$710,173	\$52,553	\$95,734	\$154,300	\$77,150	\$1,774,448
2024	\$10,406	\$705,621	\$742,840	\$54,970	\$100,138	\$161,398	\$80,699	\$1,856,072
2025	\$10,843	\$735,257	\$774,040	\$57,279	\$104,344	\$168,176	\$84,088	\$1,934,027
2026	\$11,277	\$764,667	\$805,001	\$59,570	\$108,517	\$174,903	\$87,452	\$2,011,388
2027	\$11,728	\$795,254	\$837,201	\$61,953	\$112,858	\$181,899	\$90,950	\$2,091,844
2028	\$12,221	\$828,655	\$872,364	\$64,555	\$117,598	\$189,539	\$94,770	\$2,179,701

**Canal Group 3**

INFLATION ADJUSTED FUTURE PROBABLE COST								
Construction Fiscal Year	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement (CY)	Environmental Protection	Seagrass Transplanting &	Engineering Fees - Plans, Design &	Construction Administration	Total Estimate
2023	\$3,548	\$674,590	\$253,244	\$18,740	\$27,710	\$97,783	\$48,892	\$1,124,506
2024	\$3,711	\$705,621	\$264,893	\$19,602	\$28,985	\$102,281	\$51,141	\$1,176,234
2025	\$3,867	\$735,257	\$276,019	\$20,425	\$30,202	\$106,577	\$53,289	\$1,225,636
2026	\$4,021	\$764,667	\$287,059	\$21,242	\$31,410	\$110,840	\$55,420	\$1,274,661
2027	\$4,182	\$795,254	\$298,542	\$22,092	\$32,667	\$115,274	\$57,637	\$1,325,647
2028	\$4,358	\$828,655	\$311,080	\$23,020	\$34,039	\$120,115	\$60,058	\$1,381,325

**Canal Group 4**

INFLATION ADJUSTED FUTURE PROBABLE COST								
Construction Fiscal Year	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement (CY)	Environmental Protection	Seagrass Transplanting &	Engineering Fees - Plans, Design &	Construction Administration	Total Estimate
2023	\$23,667	\$674,590	\$1,689,485	\$125,022	\$327,387	\$284,015	\$142,008	\$3,266,174
2024	\$24,756	\$705,621	\$1,767,202	\$130,773	\$342,447	\$297,080	\$148,540	\$3,416,418
2025	\$25,796	\$735,257	\$1,841,424	\$136,265	\$356,829	\$309,557	\$154,779	\$3,559,908
2026	\$26,828	\$764,667	\$1,915,081	\$141,716	\$371,103	\$321,939	\$160,970	\$3,702,304
2027	\$27,901	\$795,254	\$1,991,684	\$147,385	\$385,947	\$334,817	\$167,409	\$3,850,396
2028	\$29,073	\$828,655	\$2,075,335	\$153,575	\$402,156	\$348,879	\$174,440	\$4,012,113

**Canal Group 5**

INFLATION ADJUSTED FUTURE PROBABLE COST								
Construction Fiscal Year	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement (CY)	Environmental Protection	Seagrass Transplanting &	Engineering Fees - Plans, Design &	Construction Administration	Total Estimate
2023	\$11,367	\$674,590	\$811,416	\$60,045	\$100,678	\$165,810	\$82,905	\$1,906,810
2024	\$11,890	\$705,621	\$848,741	\$62,807	\$105,310	\$173,437	\$86,718	\$1,994,524
2025	\$12,389	\$735,257	\$884,388	\$65,445	\$109,733	\$180,721	\$90,361	\$2,078,294
2026	\$12,885	\$764,667	\$919,764	\$68,063	\$114,122	\$187,950	\$93,975	\$2,161,425
2027	\$13,400	\$795,254	\$956,554	\$70,785	\$118,687	\$195,468	\$97,734	\$2,247,882
2028	\$13,963	\$828,655	\$996,730	\$73,758	\$123,672	\$203,678	\$101,839	\$2,342,293

**Canal Group 6**

INFLATION ADJUSTED FUTURE PROBABLE COST								
Construction Fiscal Year	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement (CY)	Environmental Protection	Seagrass Transplanting &	Engineering Fees - Plans, Design &	Construction Administration	Total Estimate
2023	\$16,764	\$674,590	\$1,196,700	\$88,556	\$217,197	\$219,381	\$109,690	\$2,522,878
2024	\$17,535	\$705,621	\$1,251,748	\$92,629	\$227,189	\$229,472	\$114,736	\$2,638,931
2025	\$18,272	\$735,257	\$1,304,321	\$96,520	\$236,730	\$239,110	\$119,555	\$2,749,766
2026	\$19,003	\$764,667	\$1,356,494	\$100,381	\$246,200	\$248,674	\$124,337	\$2,859,756
2027	\$19,763	\$795,254	\$1,410,754	\$104,396	\$256,048	\$258,621	\$129,311	\$2,974,146
2028	\$20,593	\$828,655	\$1,470,006	\$108,780	\$266,802	\$269,484	\$134,742	\$3,099,061

**Canal Group 7**

INFLATION ADJUSTED FUTURE PROBABLE COST								
Construction Fiscal Year	Insurance/Bonding	Mob/Demob (LS)	Dredging & Placement (CY)	Environmental Protection	Seagrass Transplanting &	Engineering Fees - Plans, Design &	Construction Administration	Total Estimate
2023	\$3,824	\$674,590	\$272,971	\$20,200	\$59,684	\$103,127	\$51,563	\$1,185,959
2024	\$4,000	\$705,621	\$285,528	\$21,129	\$62,430	\$107,871	\$53,935	\$1,240,513
2025	\$4,168	\$735,257	\$297,520	\$22,016	\$65,052	\$112,401	\$56,201	\$1,292,615
2026	\$4,335	\$764,667	\$309,420	\$22,897	\$67,654	\$116,897	\$58,449	\$1,344,319
2027	\$4,508	\$795,254	\$321,797	\$23,813	\$70,360	\$121,573	\$60,787	\$1,398,092
2028	\$4,697	\$828,655	\$335,313	\$24,813	\$73,315	\$126,679	\$63,340	\$1,456,812

**End of Agenda Item**