

May 12, 2022

Meeting Agenda and Notice

Coastal Advisory Committee (CAC)

Thursday, May 12, 2022 – 1:00 p.m.

Collier County Board Chambers

Collier County Government Center

3299 Tamiami Trail East, Third Floor, Naples, FL

Sunshine Law on Agenda Questions

2022 CAC MEETING DATES

I. Call to Order

II. Pledge of Allegiance

III. Roll Call

IV. Changes and Approval of Agenda

V. Public Comments

VI. Approval of CAC Minutes

March 10, 2022

VII. Staff Reports

Extended Revenue Report

VIII. New Business

1. Update on FY2022 Wiggins Pass & Doctors Pass Dredge Project
2. Update on 2022 Annual Monitoring Reports
 - Report - Collier Beaches
 - Report - Central Marco
 - Report - South Marco
3. ES - Humiston & Moore Engineers - South Marco Beach Restoration - USACE Permit Application
 - Proposal
4. ES - Water Quality Subcommittee Report
 - Vertical Oyster Garden Video
5. Election of Officers

IX. Old Business

X. Announcements

XI. Committee Member Discussion

XII. Next Meeting Date/Location

June 9, 2022 at 1:00 p.m.

XIII. Adjournment

All interested parties are invited to attend, and to register to speak and to submit their objections, if any, in writing, to the board prior to the meeting if applicable.

For more information, please contact Andrew Miller at (239) 252-2922.

If you are a person with a disability who needs any accommodation in order to participate in this proceeding, you are entitled, at no cost to you, to the provision of certain assistance. Please contact the Collier County Facilities Management Department located at 3301 East Tamiami Trail, Naples, FL 34112, (239) 252-8380.

Public comments will be limited to 3 minutes unless the Chairman grants permission for additional time.

Collier County Ordinance No. 99-22 requires that all lobbyists shall, before engaging in any lobbying activities (including, but not limited to, addressing the Board of County Commissioners) before the Board of County Commissioners and its advisory boards, register with the Clerk to the Board at the Board Minutes and Records Department.

MINUTES OF THE COLLIER COUNTY
COASTAL ADVISORY COMMITTEE MEETING

Naples, Florida, March 10, 2022

LET IT BE REMEMBERED, the Collier County Coastal Advisory Committee, in and
for the County of Collier, having conducted business herein, met on this date at 1:00
P.M. in REGULAR SESSION at Administrative Building “F,” 3rd Floor, Collier
County Government Complex, Naples, Florida, with the following members present:

CHAIRMAN: David Trecker
VICE CHAIRMAN: Joseph Burke (via Zoom)
Steve Koziar (via Zoom)
Thomas McCann (absent)
Jim Burke
Robert Raymond
Erik Brechnitz (absent)
Robert Roth
Raymond Christman

ALSO PRESENT: Andy Miller, Manager
Heidi Ashton, Assistant County Attorney
Farron Bevard, Operations Analyst

Any persons in need of the verbatim record of the meeting may request a copy of the video recording from the Communications, Government & Public Affairs Division, or view it online.

I. Call to Order

Chairman Trecker called the meeting to order at 1:15 p.m.

The meeting was delayed due to the lack of a quorum; Mr. Christman was in transit.

Pledge of Allegiance

The Pledge of Allegiance was recited.

Roll Call

Roll call was taken and a quorum of seven was established.

Mr. Jim Burke moved to allow Vice Chairman Burke and Committee Member Steve Koziar to participate in the meeting telephonically due to extraordinary circumstances. Second by Mr. Raymond. Carried unanimously, 5-0; Vice Chairman Burke and Mr. Koziar abstained.

Changes and Approval of Agenda

Mr. Raymond moved to approve the agenda. Second by Mr. Burke. Carried unanimously, 7-0.

Public Comments

None

Approval of CAC Minutes

Jan. 13, 2022

Mr. Christman moved to approve the minutes of the Jan. 13, 2022, meeting. Second by Mr. Raymond. Carried unanimously, 7-0.

Staff Reports

1. Extended Revenue Report

The Committee reviewed the “FY22 TDT Collections Revenue Report” dated Jan. 31, 2022.

Mr. Miller presented the report and made the following points:

- Revenues have been very good, at \$9.65 million.
- Revenues are more than 77.8% over budget.
- After four months of collections, there’s more than half of what’s needed for the entire year.

Chairman Trecker noted that nearly \$4 million in rollover was not reflected in the report.

New Business

1. Update on the FY2022 Beach Renourishment Truck-Haul Project

Mr. Miller provided the following update:

- 86,000 tons were placed on Naples Beach.
- 116,000 tons were placed on Vanderbilt Beach.
- 30,000 tons were placed on Pelican Bay Beach with little or no negative incidents.
- Without the assistance of all stakeholders, it would not have been possible.

Chairman Trecker noted that there were terrific logistical challenges and praised the good work, noting that it was the biggest beach renourishment project in the past eight years.

Mr. Miller said trucks drove four to five trips daily, a 100-mile roundtrip. (50 one way)

Mr. Trecker noted that it amounted to 10,000 overall truckloads.

2. **Update on FY2022 Wiggins Pass & Doctors Pass Dredge Project**

Mr. Miller displayed before and after photos of the Wiggins Pass project and reported that:

- There was an incident last summer, prior to the dredge in which a vessel was temporarily stuck.
- After this past week, it opened up the majority of the dredging at Wiggins Pass.
- Wiggins Pass will be completed tonight.
- Work on Doctors Pass will occur in the next several days.
- Lowdermilk Beach is expected to start next week.
- The project is expected to take two or three more weeks, with a March 27 completion date, and will be followed by fine grading and demobilization.

Mr. Raymond asked what the depth of Wiggins Pass was.

Mr. Miller said there was a -7 elevation in the interior channel and -12 in the outer channel.

Mr. Roth said he had lunch with the Calusa WaterKeeper, who showed him photos of Wiggins Pass. He noted that it means people are watching the work, including flyovers. He explained to the WaterKeeper that the County was conducting dredging work. He suggested that the County alert the public to allay concerns of environmental groups and to avoid possible bad press. When he saw the CSA Ocean Sciences report on the maintenance of Doctors Pass, that's what they were observing and they just didn't know why it was occurring.

Chairman Trecker also suggested that the County make a public announcement.

Mr. Miller said the County did alert the media through a press release and the project was featured on WINK news and other channels. The County also will send out another press release about the Doctors Pass dredging.

Mr. Roth suggested the County also send those press releases to the watchdog groups.

Chairman Trecker noted that they have a long email list of those groups. He asked when the shoreline monitoring report would be completed.

Mr. Miller said survey work was completed and the consultant will be sending a draft report for review, possibly next week.

Chairman Trecker asked where he expected the action to be.

Mr. Miller said they completed Vanderbilt, Pelican Bay, and Naples Beach from Lowdermilk Park to the pier and they don't have much work left. They did South Marco Island Beach in 2020. They may do a small grading project on Marco Island, but are hoping to take a year off.

Mr. Christman asked about Naples Beach south of the pier.

Mr. Miller said it was well excess of the 100-foot design width.

Mr. Christman asked if the County took a year off, would the money budgeted for beach renourishment roll over?

Mr. Miller said beach renourishment is not included in the budget for the next two years. Beaches are renourished on about a four-year cycle. Parkshore Beach Park will be next, but preliminary numbers from this years survey look good.

Chairman Trecker said that was barring any unexpected storm damage, of course.

Mr. Christman agreed that was true.

3. Update on USACE Collier CSRM

Mr. Miller reported that there was not much more to add since the last meeting. As it stands now, around October 2021, the Army Corps of Engineers was on the verge of submitting its report to the chief for his signature, but changed course when they realized that the costs for concrete, steel and other supplies had increased to the point where they were not comfortable presenting the cost-benefit ratios to the chief. They were advised to redo the numbers and since it was getting to the end of the three-year deadline, the North Atlantic District decided to put in a waiver request for an extension of time and money, as well.

That waiver request has been circulating for approvals since October. We should be getting a decision soon.

Chairman Trecker said if it's accepted by the federal government, he understood there would be a recommended reduction in the scope of the project.

Mr. Miller said that was correct, a reduction of scope of the program. The waiver request included some recommended courses of actions, a very much reduced-scope project, which is essentially a beach-only project. They removed all the gates and walls and a lot of the controversial items. It's essentially just a beach-renourishment project, about 11 miles.

Chairman Trecker called the project a big deal. He noted that the bulk of objections involved hardening, which were anathema to environmental groups. The major environmental criticisms should be blunted with that reduced project, and work will be faster and much less expensive.

Mr. Miller agreed it would be much less expensive.

Chairman Trecker noted that a lot of areas would not be included in beach renourishment, including Pelican Bay and parts of Marco Island. They could pay to have their regions included in the heavy renourishment.

Mr. Miller said they could take advantage of the County's unit costs and piggyback with the County project, use the County contractor and fund their portions of the beach themselves, and probably save a lot of money.

Chairman Trecker agreed and noted that Pelican Bay residents are used to paying their own way. He said there was a question at the last meeting about how much the County has spent already on the feasibility study.

Mr. Miller said \$170,000, but that's strictly for consulting services.

Chairman Trecker said that would fulfill the County's obligations.

Mr. Christman said he wanted to make a small amendment to a comment Chairman Trecker made earlier, about environmental groups being strongly opposed to the hardening or physical infrastructure. That's true. However, at least in the city of Naples, the resonant groups were as strongly or more strongly opposed, or more vocal. The HOAs, single-family neighborhoods and condos were very concerned about what was conceptually proposed in terms of sea gates and flood walls and this sort of thing.

He also wanted to ensure he understood the answer to the chairman's question a moment ago. If this revised project were to be approved and focused on beach nourishment, down the road it would have to go through authorization and appropriations. But would that then theoretically – the funds that might flow from that – essentially replace the need to use TDC funds for beach renourishment?

Mr. Miller said we know there will be a cost share regardless of what the project is. It was 65/35 in the last study, so it will certainly make a healthy dent in what we might have put on the beach. But obviously, this will be a bigger project than we typically do. Each year, we renourish to a certain elevation, which is closer to 4½ or 5. And the elevations that were in the prior report were coming in at 12, and 14 on Vanderbilt. That's not to say that those elevations in a revised study might be lower, but at this time we don't have that information.

Mr. Christman asked if this would allow there to be creation, replacement or enhancement of dunes or replanting of mangroves or other landscaping that would help protect the beachfront.

Mr. Miller said that was a possibility. Nature-based solutions were explored last time but they didn't pay out. But with a revised effort, you don't know.

Chairman Trecker said that the original proposals had the beach expanded from a standard of 100 feet to 150 feet. Dune buildup and stabilization is what you're talking about. Any more comments?

Vice Chairman Burke said everyone knows his opinion on this, which is we're missing an opportunity here to do some more protection. Without those structures, we're not accomplishing a lot to protect inland waterways. Part of the resistance has been a lack of education on what the structures are, what the risks are and how they're deployed.

Chairman Trecker said many of us from the Northeast are used to these projects and have come to accept the need. He noted that beach hardening is *pro forma* in the Northeast, but the environmental lobby here is very strong.

Vice Chairman Burke asked, Right, but do they live in the neighborhood that is at risk?

Mr. Roth said that as an engineer, he agrees with Vice Chairman Burke. We have a problem and need to solve it. He noted that the Collier WaterKeeper is putting on a program for Earth Day at Cambier Park on April 23, a Saturday. One of the main focuses will be sea-level rise and they have invited the Army Corps of Engineers to attend to learn what's going on here. He (Mr. Roth) plans to attend. He doubted there would be many answers, but believed there would be a lot of questions. The Army Corps may have a prepared response about the County's project. He noted that the subject causes a lot of emotions.

Chairman Trecker noted that the WaterKeeper held an event at Norris Center and said there was a lot of uncertainty about sea level rise. Nobody can deny it's happening, but they don't know the timing. It's happening in Miami now, but no one knows when it's going to happen on this coast.

4. Discussion – Water Quality Subcommittee Update

Chairman Trecker wanted to remind the Water Quality Subcommittee, which Bob Roth is so ably running, about its limited scope, what it can and should do. The scope is really very limited. Water quality was added to the list of responsibilities for CAC in a 2019 ordinance and one of the limitations was coastal water-quality issues, not inland, not Lake Okeechobee or the Caloosahatchee or other water bodies. It's very much local to coastal Collier County and specified bays, estuaries, inlets and shorelines. The subcommittee is permitted to review, report and propose, but not implement.

He noted that he tried to push for implementation years ago when the CAC was promoting this, but it was not approved, so the subcommittee is limited to reviewing, reporting and proposing. The subcommittee can implement, if directed by the BCC, which can provide a budget and ask the subcommittee to head a project. Otherwise, the subcommittee is very budget restricted.

The initial proposal was focused on control of the nutrients that washed into the Gulf, the inlets and other water bodies. The subcommittee made several very specific proposals about nine months ago and they were all accepted by the BCC but have not been implemented yet. Whether anything is going to happen there or not remains to be seen.

Mr. Roth (chair of the subcommittee) reported that the subcommittee met in early February with staff, including Andy Miller, Rhonda Watkins and Danette Kinaszchuk. They will have a follow-up meeting next Tuesday. They'll see a presentation by Erin Hodel from CSA Ocean Sciences, Inc., a vendor the County uses for hardbottom monitoring, and she'll talk about seagrass replacement, the re-establishment of areas where seagrass has been lost.

Mr. Miller said Erin Hodel will attend the meeting virtually.

Mr. Roth said the presentation will help the subcommittee determine whether they want to bring the program to Collier County, and whether they'll recommend to the CAC committee to forward to the BCC for consideration. We need to find the causes and locations, how to identify that and where to use it. They're doing it on the East Coast and Indian River Lagoon because there's not enough to forage for manatees. We haven't seen the extent of manatee problem they've seen on the East Coast, but we have seen a loss of seagrass.

Chairman Trecker asked if seagrass would play a role in water quality.

Mr. Roth said it does and it's two-fold. It is kind of like a canary in a coal mine. It's an indicator that maybe there was a problem with the water quality and what killed it in the first place, so we can't just haphazardly start planting it again. We need to make sure we have the right location. We'll learn more from Erin Hodel about that, how we might identify those locations, or conduct a study to find out where such a program might be effective.

We're also going to bring to the CAC a video of another program the subcommittee reviewed, an ocean-habitat program in Sarasota in which people with canal-front homes can purchase a device to float, like a crate under their docks. It's like a safe harbor for fish, crabs and other sea life. There's another program, a Vertical Oyster Gardens (VOGs) program. They're taking oyster shells and stringing them together and hanging them in the tidal zone, where barnacles and oysters grow, and

these become a framework for the VOGs. There's a video on it. We thought about showing it to the CAC, along with a presentation on that and seagrass.

Hopefully we can get close to wrapping things up and come back with a written recommendation at the next meeting or the May meeting.

Chairman Trecker said that sounded like good progress. He asked for comments and suggestions.

5. ES – APTIM Environmental & Infrastructure LLC – Preparation of the 2023-2024 LGFR for Collier County's shore protection projects

Mr. Miller said that every year there's an effort by the County to seek funding from FDEP, the Local Government Funding Request Applications. The County consultant, APTIM, typically handles the applications for the County. This year, they're proposing a Local Government Funding Request for South Marco Beach and the North County beaches, and a Doctor's Pass and Wiggins Pass LGFR application, as well.

This consultant is well-versed in dealing with the FDEP and trying to get the highest scores because these projects and applications are competitive statewide. The higher the score the County receives, the better its chances are of getting funding.

The recommendation is to approve a work order with APTIM Environmental & Infrastructure LLC to provide professional engineering services for the 2023-2024 Local Government Funding Request under contract 18-7432-CZ for time and materials not to exceed \$26,052, and to make a finding that this item promotes tourism.

Chairman Trecker said he thought it was interesting that historically the DEP funds about 40%, so that's significant and worthwhile to go after.

Mr. Miller said that was correct. It is typically 42% on beach projects and sometimes as high as 50%-75% on inlet projects.

Chairman Trecker said he mentioned that the cost last year was almost identical.

Mr. Miller agreed it was nearly identical.

Mr. Raymond made a motion to recommend approving a work order for APTIM Environmental & Infrastructure LLC to provide professional engineering services for the 2023-2024 Local Government Funding Request under Contract No. 18-7432-CZ for time and material not to exceed \$26,052, and made a finding that this expenditure promotes tourism. Second by Mr. Burke. Carried unanimously, 7-0.

6. ES – Ardaman & Associates Inc. – Sediment Testing as per DEP requirements in relation to the Wiggins Pass and Doctors Pass Dredge Project

Mr. Miller said the County is finishing the Wiggins Pass dredging today and will be dredging Doctors Pass in the upcoming weeks. The requirement from the agencies is to test the sand that went on the beaches at Barefoot Beach and Delnor Wiggins State Park, as well as Naples Beach. This work order will allow our Ardaman & Associates Inc. to conduct sand testing for FDEP compliance, as required by the FDEP permit.

Chairman Trecker said he understood that the beaches were pleased with getting the free sand.

Mr. Miller said they were.

Mr. Raymond made a motion to approve the recommendation.

Mr. Burke seconded it.

Mr. Christman asked how the sand-testing process works, if it goes to a lab for analysis and then to the FDEP for compliance. Who will receive it?

Mr. Miller said it will be taken to the Ardaman & Associates lab for analysis on beach sand quality, which will show whether it should remain on the beach. The results are sent to the FDEP.

Mr. Christman asked what would happen if tests didn't show beach-quality sand.

Mr. Miller said that's never occurred before, but if it did, it would be remediated.

Chairman Trecker noted that the test is an after-the-fact verification that looks at color, silt and carbonate content.

Mr. Miller said the consultant takes daily samples of what goes through the dredge pipe so they can remove anything that isn't beach quality.

Mr. Raymond made a motion to approve the recommendation for sand testing by Ardaman & Associates Inc. and made a finding that the expenditure promotes tourism. Second by Mr. Burke. Carried unanimously, 7-0.

7. ES – CSA Ocean Sciences Inc. – 2022 Hard-bottom Monitoring

Mr. Miller said hard-bottom monitoring is also an annual effort. The County hires a consultant, CSA Ocean Sciences Inc., to work with staff and go out on the County's boat to dive and find out where the hard-bottom is. It typically doesn't move a lot, but sometimes sand uncovers or covers certain sections, so they need to document that. They also want to know the condition of the organisms that inhabit the reef.

The recommendation is to approve a proposal by CSA Ocean Sciences Inc. to continue the required post-construction, hard-bottom monitoring for the Collier County Beach Renourishment Project in the summer of 2022, and for time and materials not to exceed \$286,067.27 under contract No. 17-7188, and make a finding that this item promotes tourism.

Chairman Trecker asked if this was required by both the FDEP and the Army Corps of Engineers.

Mr. Miller said that was correct.

Chairman Trecker asked if the \$286,000 was for this year only.

Mr. Miller said it was.

Chairman Trecker noted that he indicated there was an increase over last year because of the need for another diver.

Mr. Miller said that was correct. CSA teams with County staff and uses a County boat, but unfortunately, the County is unable to provide one staff member due to an injury, so CSA will bring an extra diver to help the County finish the work in time.

Chairman Trecker asked if this was work carried out every year and a different work order is needed for subsequent years.

Mr. Miller said that was correct, the same contract with a different work order.

Chairman Trecker asked if there were any comments or questions.

Mr. Koziar said it took him about a half-hour to read the proposal. There is a lot of work to be done.

Mr. Miller said the County and CSA staff have fun doing the monitoring, but noted that underwater work is dangerous and the County can't do hard-bottom monitoring during rough seas, so they need to complete it within the weather windows.

Mr. Raymond made a motion to approve the recommendation for 2022 Hard-Bottom Monitoring by CSA Ocean Sciences Inc. and made a finding that the expenditure promotes tourism. Second by Mr. Burke. Carried unanimously, 7-0.

IX. Old Business

None

X. Announcements

None

XI. Committee Member Discussion

Mr. Koziar said people have been asking him about the permit for Collier Creek and how it's being coordinated with the City of Marco Island permit, which is for opening up the spit near Hideaway Beach. He believed there were some meetings scheduled to discuss that.

Mr. Miller said there was a meeting last [Tuesday] with the City of Marco Island and County Commissioners. You can watch that online if you weren't able to see it or hear about it. We did sit down and talk about both projects.

Mr. Koziar said he did see it. What he's hearing is that there are some objections by Hideaway Beach residents to the sand-management issues.

Mr. Miller asked if it was related to Collier Creek.

Mr. Koziar said it was.

Mr. Miller said the County will continue working with the City of Marco Island on the language in the permit. We had the initial meeting last week to talk about Collier Creek and Tigertail Lagoon, but the discussion will continue to the point where the County and City are satisfied with the language in the permit application, which will then be forwarded to the agencies. There is some additional coordination needed.

Mr. Koziar asked if there also was a funding discussion.

Mr. Miller said there was.

Mr. Koziar thanked him and said he had no further questions.

Mr. Roth said he had a question about that because it was on WINK News last night. Is the permit coming from the FDEP or the Army Corps of Engineers because they said on WINK News that they were awaiting a permit from the Corps of Engineers. Does that mean that FDEP already issued a permit and there's a subsequent permit or is there a lot of misinformation going around?

Mr. Miller said the project they're talking about is Collier Creek.

Mr. Roth said he was asking about Hideaway Beach.

Mr. Miller said that to his knowledge, the FDEP has issued its permit.

Mr. Koziar said it received the FDEP permit, but not the Army Corps permit.

Mr. Roth said, Oh, so there are two permits. He said he was confused after seeing it on the news last night. Is this the Collier Creek project that was talked about many years ago, that Hurricane Irma caused. I think there was some interim work that had to be done.

Mr. Miller said this project in Collier Creek will basically widen the channel and dredge it and install a permeable groin perpendicular to the shore at Hideaway Beach on the east side.

Mr. Roth said that was in the works a while ago and he believed Hurricane Irma caused some of it to be delayed. Or it was talked about a long time ago and then that building on the corner was wiped out by Hurricane Irma, right?

Mr. Miller said that was right.

XII. Next Meeting

1 p.m. April 14, 2022 – **CANCELED**

(The CAC Water Quality Subcommittee will meet on that date.)

Chairman Trecker said they should consider holding a meeting on Marco Island.

There being no further business for the good of the County, the meeting was adjourned by order of the Chairman at 2:09 p.m.

Collier County Coastal Advisory Committee

David Trecker, Chairman

These minutes were approved by the Committee on _____, as presented, _____ or as amended _____.

FY 22 TDT Collections Report

31-Mar-2022

Fund Reporting	Fund	Adopted Budget	Updated Annual Forecast	Budgeted YTD	YTD Actual	Variance to Budgeted YTD
Beach Park Facilities	183	1,068,600	1,383,126	476,583	791,254	314,671
TDC Promotion	184	10,313,100	13,937,271	4,599,525	7,417,835	2,818,309
Non-County Museums	193	570,100	737,900	254,258	421,395	167,137
TDC Admin	194	-	-	-	-	-
Beach Renourishment	195	11,635,500	15,060,230	5,189,301	8,613,493	3,424,192
Disaster Recovery	196	-	-	-	-	-
County Museums	198	2,000,000	2,000,000	891,977	1,698,014	806,037
TDC Capital	758	4,262,600	5,517,231	1,901,071	3,156,583	1,255,512
	Gross Budget	29,849,900	38,635,758	13,312,716	22,098,574	8,785,858
	Less 5% Rev Res	(1,492,500)	29.43%		% Over/(Under) Bud	66.0%
	Net Budget	28,357,400				

Collections

Month Reported		Actual	Cum YTD	% Budget Collected to Date	% Variance FY21 Collections	% Variance FY20 Collections	% Variance FY19 Collections
	Nov	2,250,846	2,250,846	7.54%	89.78%	61.05%	130.07%
	Dec	2,908,930	5,159,776	17.29%	83.32%	40.64%	143.14%
	Jan	4,495,951	9,655,727	32.35%	56.54%	40.19%	141.27%
	Feb	5,971,910	15,627,637	52.35%	68.85%	31.52%	101.36%
	Mar	6,470,936	22,098,574	74.03%	56.69%	29.92%	61.63%
	Apr	-	22,098,574	74.03%	n/a	n/a	n/a
	May	-	22,098,574	74.03%	n/a	n/a	n/a
	June	-	22,098,574	74.03%	n/a	n/a	n/a
	July	-	22,098,574	74.03%	n/a	n/a	n/a
	Aug	-	22,098,574	74.03%	n/a	n/a	n/a
	Sept	-	22,098,574	74.03%	n/a	n/a	n/a
	Oct	-	22,098,574	74.03%	n/a	n/a	n/a
	Total	22,098,574	22,098,574	YTD	66.01%	36.46%	100.76%

38,635,758

Budget Comparison

		5 Yr History- Cum	5 Yr History- Monthly	Budgeted Collections	Actual Collections	Budget to Actual Variance	Updated Forecast
	Nov	4.1%	4.1%	1,214,583	2,250,846	1,036,263	2,250,846
	Dec	9.5%	5.4%	1,612,820	2,908,930	1,296,110	2,908,930
	Jan	18.2%	8.7%	2,603,922	4,495,951	1,892,029	4,495,951
	Feb	30.5%	12.3%	3,665,032	5,971,910	2,306,878	5,971,910
	Mar	44.6%	14.1%	4,216,359	6,470,936	2,254,577	6,470,936
	Apr	61.9%	17.3%	5,175,604	-	-	5,175,604
	May	72.7%	10.8%	3,209,421	-	-	3,209,421
	June	79.0%	6.3%	1,892,959	-	-	1,892,959
	July	84.6%	5.6%	1,671,124	-	-	1,671,124
	Aug	90.4%	5.7%	1,709,348	-	-	1,709,348
	Sept	94.9%	4.6%	1,371,164	-	-	1,371,164
	Oct	100.0%	5.1%	1,507,563	-	-	1,507,563
	Total	100.0%	100.0%	29,849,900	22,098,574	8,785,858	38,635,758

% over/(under) budget

66.0%

29.43%

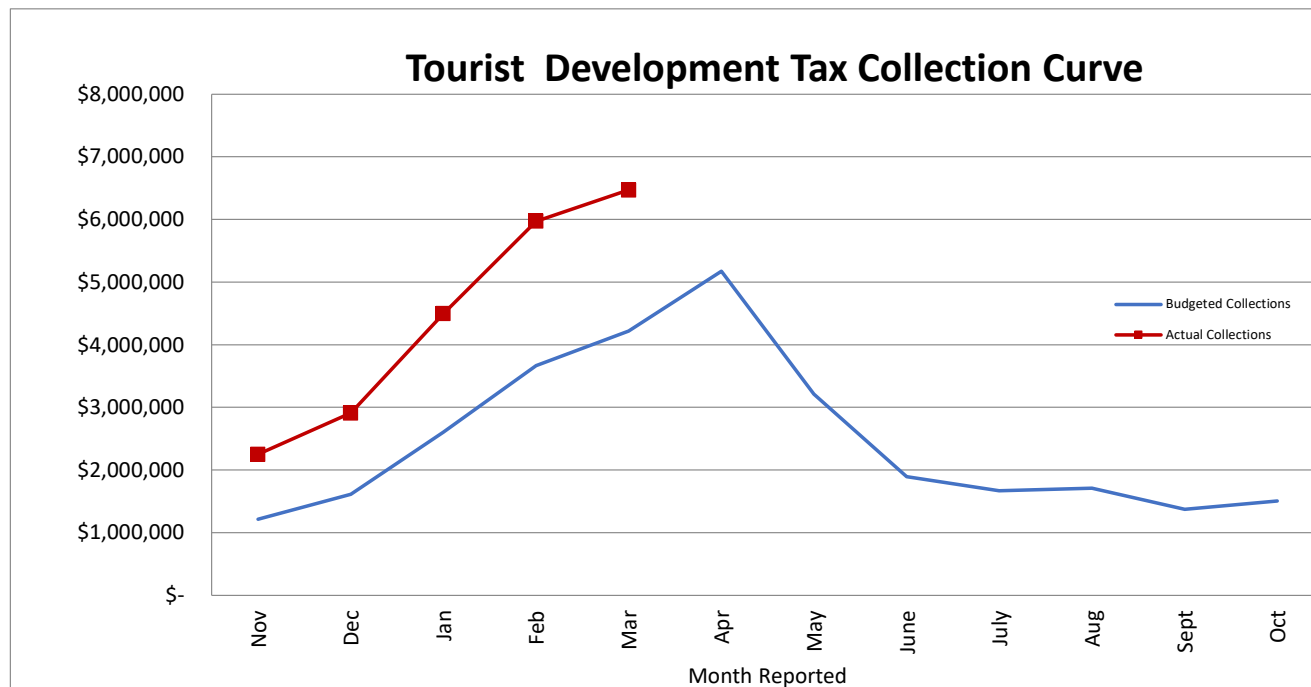


Collier County Tourist Development Tax Revenue

FY 22 TDT Collections Report						
31-Mar-2022						
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	Net Budget	28,357,400				
Collections						
Month Reported	Actual	Cum YTD	% Budget Collected to Date	% Variance FY21 Collections	% Variance FY20 Collections	% Variance FY19 Collections
Nov	2,250,846	2,250,846	7.54%	89.78%	61.05%	130.07%
Dec	2,908,930	5,159,776	17.29%	83.32%	40.64%	143.14%
Jan	4,495,951	9,655,727	32.35%	56.54%	40.19%	141.27%
Feb	5,971,910	15,627,637	52.35%	68.85%	31.52%	101.36%
Mar	6,470,936	22,098,574	74.03%	56.69%	29.92%	61.63%
Apr	-	22,098,574	74.03%	n/a	n/a	n/a
May	-	22,098,574	74.03%	n/a	n/a	n/a
June	-	22,098,574	74.03%	n/a	n/a	n/a
July	-	22,098,574	74.03%	n/a	n/a	n/a
Aug	-	22,098,574	74.03%	n/a	n/a	n/a
Sept	-	22,098,574	74.03%	n/a	n/a	n/a
Oct	-	22,098,574	74.03%	n/a	n/a	n/a
Total	22,098,574	22,098,574	YTD	66.01%	36.46%	100.76%
38,635,758						

Collier County Tourist Development Tax Revenue

Budget Comparison						
	5 Yr History- Cum	5 Yr History- Monthly	Budgeted Collections	Actual Collections	Budget to Actual Variance	Updated Forecast
Nov	4.1%	4.1%	1,214,583	2,250,846	1,036,263	2,250,846
Dec	9.5%	5.4%	1,612,820	2,908,930	1,296,110	2,908,930
Jan	18.2%	8.7%	2,603,922	4,495,951	1,892,029	4,495,951
Feb	30.5%	12.3%	3,665,032	5,971,910	2,306,878	5,971,910
Mar	44.6%	14.1%	4,216,359	6,470,936	2,254,577	6,470,936
Apr	61.9%	17.3%	5,175,604	-	-	5,175,604
May	72.7%	10.8%	3,209,421	-	-	3,209,421
June	79.0%	6.3%	1,892,959	-	-	1,892,959
July	84.6%	5.6%	1,671,124	-	-	1,671,124
Aug	90.4%	5.7%	1,709,348	-	-	1,709,348
Sept	94.9%	4.6%	1,371,164	-	-	1,371,164
Oct	100.0%	5.1%	1,507,563	-	-	1,507,563
Total	100.0%	100.0%	29,849,900	22,098,574	8,785,858	38,635,758
% over/(under) budget					66.0%	29.43%



EXECUTIVE SUMMARY

Recommendation to approve a Work Order with Humiston & Moore Engineers to provide professional support services for the application preparation of a United States Army Corps of Engineers (USACE) permit for the South Marco Island Beach Restoration, under Contract No. 18-7432-CZ for time and material not to exceed \$34,132.00 and make a finding that this item promotes tourism (Fund 195, Project No. 90071).

OBJECTIVE: To obtain a new 15-year USACE permit for the restoration of South Marco Island beach.

CONSIDERATIONS: On January 5, 2005, the USACE issued Permit SAJ-2005-2726 to perform periodic renourishment of South Marco Island Beach for over a period of 15 years, with an expiration date of January 5, 2021. South Marco Island Beach is typically renourished on 7-year intervals and was last renourished in April of 2020. The County is in the early planning stages for the next renourishment.

Humiston & Moore Engineers will provide professional engineering services to the County in support of the application for a new 15-year permit, including preparation of USACE Permit Drawings. The new permit is expected to be submitted within 30 to 60 days after the Notice to Proceed (NTP) has been issued.

Humiston & Moore Engineers is headquartered in Naples, FL and was founded in 1991. They were selected as one of three firms on the County's 18-7432-CZ Coastal Engineering Services Library contract and have provided engineering and permitting services to the County for over fifteen years.

FISCAL IMPACT: Funding for the proposed work order is available in the Tourist Development Tax Fund 195, Project No. 90071, Marco Island South, NTP & Renourishment. Funding for this Work Order will not be requested for reimbursement from any grantor agency.

GROWTH MANAGEMENT IMPACT: There is no impact to the Growth Management Plan related to this action.

ADVISORY BOARD RECOMMENDATIONS: This item is being presented to the Coastal Advisory Committee (CAC) meeting on May 12, 2022, and the Tourist Development Council (TDC) on May 23, 2022.

LEGAL CONSIDERATIONS: This item is approved as to form and legality and requires majority vote for approval. – CMG

RECOMMENDATION: To approve a Work Order with Humiston & Moore Engineers to provide professional support services for the application preparation of a United States Army Corps of Engineers (USACE) permit for the South Marco Island Beach Restoration, under Contract No. 18-7432-CZ for time and material not to exceed \$34,132.00 and make a finding that this item promotes tourism (Fund 195, Project No. 90071).

Prepared By: Andrew Miller, P.E., Coastal Zone Management, Capital Project Planning, Impact Fees and Program Management Division

SCOPE OF WORK SOUTH MARCO BEACH RESTORATION USACE PERMIT

CONTRACT 18-7432-CZ

APRIL 21, 2022 (valid for 90 days)

Introduction: The following is a scope of services for obtaining a new permit from the U.S. Army Corps of Engineers for the dredging of sand from Caxambas Pass and placement of the sand as beach restoration along the south segment of Marco Island. The previous permit SAJ-2005-2726(SP/MOD-MMB) was issued for 15 years and expired January 5, 2021. A new application will be necessary to issue the same permit for the next 15-years, which is the maximum time period that the state FDEP issues permits for beach restoration. This Project has been completed on approximate 7-year intervals and the last project was completed in 2020 and is currently being monitored.

A preliminary meeting held with the USACE staff in Ft. Myers was completed on April 6, 2022, and the staff is supportive of processing a new request. The new application will need to be reviewed with the national Marine Fisheries Service (NMFS) and the U.S. Fish and Wildlife Service (FWS). With no changes up front the processing may be processed more efficiently to reestablish authorization for beach fill. Following permit issuance, future permit modifications may be filed potentially for the expansion of the sand source depending on the monitoring and in-filling rates at the borrow area.

Services provided by H&M will be invoiced based on Time and Materials. The budget and tasks are proposed based on past permitting, project implementation and project performance. An allowance of \$5,000 for limited environmental assessment of submerged resources is included as optional in case requested by the federal resource agencies. This budget assumes no additional technical analysis or justification based on initial conference with USACE staff.

Task 1: Permit Drawings, draft application and formal Federal Pre-application meeting

Permit Drawings: Engineer shall prepare drawings in support of a permit application for activities previously authorized under USACE permit SAJ-2005-2726(SP/MOD-MMB) for the restoration of the South portion of Marco Island. Sand sources include the Borrow Area in Caxambas Pass as well as use of truck hauling of sand from an acceptable inland source. Plans will be prepared based on the latest monitoring data for the beach and borrow area. Application for the work will be prepared on USACE Engineering Form 4345. Supporting documentation will be compiled in a brief summary for review by the USACE and federal resource agencies (NMFS and FWS). This will include a summary of beach nourishment events at the site, relevant Programmatic Biological Opinions and past compliance records of the project and project performance through project monitoring.

Pre-Application Meetings: Upon completion of the permit drawings and draft application by the County, Engineer will coordinate with County and Jacksonville District USACE staff and meet on a formal pre-application basis. Staff of NMFS and FWS will be invited to join the meeting.

Deliverable: Permit Drawings and summary of meetings with USACE.

Task 1 (TM) Estimate: \$15,078

Task 2: USACE Permitting

Federal Permit Application: Based on feedback from federal agencies, Engineer will prepare and file the necessary permit application for the Beach Restoration of South Marco Island using either the same borrow area from Caxambas Pass or an inland mine depending on sand availability and scope of the fill project. Engineer will utilize existing physical and biological data to initiate the permitting process.

Requests for Additional Information (RAI): Engineer will respond to RAIs to complete the application for the federal permit so that the public notice may be issued in a timely manner. Engineer will coordinate with the U.S. Fish and Wildlife Service (FWS) and National Marine Fisheries Service (NMFS) as necessary during the permit coordination. Engineer will coordinate all responses through Coastal Zone Management and keep the County and City of Marco informed as stakeholders. Local County staff expertise and physical and biological monitoring of the previous projects completed at this location will be potential resources in addressing questions from the federal staff. Response time to Agency requests will depend on scope of information requested. If new data collection is required, Task 3 will be used to obtain additional site biological data.

Deliverable: Approved USACE Permit Modifications and approved Permit Drawings.

Task 2 (TM) Estimate \$14,054

Task 3: Subconsultant

Earth Tech – Subconsultant Environmental subconsultant to address request for additional site biological data including assessment of submerged aquatic vegetation and natural resources in vicinity of borrow area, if needed.

Deliverable: Environmental Resource Survey Report

Task 3 (TM) Estimate \$5,000

The Tasks listed above will be completed in 365 days from the NTP.

Professional Services as referenced herein will be provided based on a Time and Materials Basis for a total Not to exceed budget of \$34,132. Application fees will be addressed separately by County. Professional services will be provided in accordance with Contract 18-7432-CZ between Engineer and County. Proposal valid for 90 days.

Sincerely yours,

HUMISTON & MOORE ENGINEERS



Brett D. Moore, P.E., D.CE.
President

F:\Collier\900-South-Marco-Caxambas\2022-USACE Permitting\2022 Costs Federal Permitting South Marco Beach Restoration Project 04
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1 of 1



FROM

Jeremy Sterk
Earth Tech Environmental
10600 Jolea Avenue
Bonita Springs, FL 34135
www.eteflorida.com

PHONE

239-304-0030

FOR

Humiston & Moore Engineers

TO

Brett Moore

EMAIL

bdm@humistonandmoore.com

ADDRESS

5679 Strand Court
Naples
FL 34110

COPY TO

Matthew Fleming

QUOTE NUMBER

2184

DATE

April 28, 2022

VALID UNTIL

May 28, 2022 at 1:00PM

ETE Proposal for Environmental Consulting Services - South Marco Beach Restoration Project

Project: South Marco Beach Restoration Project

Reconnaissance Seagrass\Benthic Resources Survey.

Thank you for the opportunity.

Earth Tech Environmental, LLC (ETE) appreciates the opportunity to provide you with the following agreement for professional environmental services.

Scope of Professional Services:

ETE is proposing the following Scope of Services for this project:

Benthic Resource Survey (Lump Sum): An in-water survey of benthic resources (i.e., oyster reefs and SAV) in the vicinity of the borrow area at Caxambas Pass . The purpose of this survey is to delineate the edges of any benthic resources and to document their current condition. This information shall be used to minimize potential impacts to benthic resources. Benthic survey will be conducted by SCUBA certified consultants experienced in benthic observations and identification. ETE will prepare a report summarizing field findings and identified resources will be GPS located with ArcGIS shapefiles provided to the engineer. This is a lump sum task (per survey event). ETE will supply all equipment necessary to complete the survey, including boats and SCUBA gear. This is a reconnaissance survey - if more detailed analysis is required by the County or FDEP, an additional scope and cost will be provided.	5,000.00
	x 1
	5,000.00
Total	\$5,000.00

We appreciate your business!

Thank you for allowing Earth Tech Environmental LLC to provide you and your community with environmental services. This proposal can be authorized by digitally signing below. You can also print a PDF version of this agreement, sign, and return a copy to us.

Payment Options:

ETE accepts cash, check, or credit cards for services. A 3.8 % convenience fee is added to all credit card transactions.

EXECUTIVE SUMMARY

Recommendation to approve the Coastal Advisory Committee Water Quality Sub-committee recommendation and provide direction for further investigation to improve the Coastal Water Quality within Collier County.

OBJECTIVE: To address recurring Coastal Water Quality conditions within Collier County.

CONSIDERATION: On June 11, 2019 (Item 17F), the Board of County Commissioners (Board) amended the Coastal Advisory Committee (CAC) Ordinance to provide authority for the CAC to provide Coastal Water Quality coordination, education, oversight and outreach for all of Collier County including the City of Naples, the City of Marco Island, and Everglades City. In 2021, the CAC established the Water Quality sub-committee to study the issues and report back to the CAC with recommendations. The Water Quality sub-committee recommends that the CAC approve the following recommendation:

Vertical Oyster Garden (VOG) Program:

Oysters are marine bi-valve shellfish organisms native to Collier County and its surrounding coastal and estuarine waters. Oysters are natural filter feeders which remove harmful excess nutrients and pollutants from the waters as they feed on microscopic algae. A single oyster can filter 20 to 50 gallons per day, while groups and colonies of oysters can filter millions of gallons of water every day, naturally. By removing excess nutrients and pollutants from coastal waterways with compromised water quality, oysters can support healthy coast lines by improving water clarity and water quality. Oyster propagation has been used successfully and extensively throughout the state of Florida, as well as much of the United States as a means to improve water quality.

The ability to improve water quality should make a VOG Program a priority for water quality conservation efforts in Collier County. A VOG program could be a Collier County initiative working with local conservation organizations to organize community-based groups of citizens to collect, assemble, and distribute the VOGs. A VOG is simply a string of recycled seashells that can be locally sourced, strung together, and suspended vertically in seawater to provide structure and habitat for new oysters to attach and grow.

To achieve such an initiative, the Water Quality sub-committee recommends that the sub-committee consult with community groups including The Conservancy, Rookery Bay, and the Estuary Association and contact representatives of the Sarasota Bay Estuary Program, Manatee County Parks and Natural Resources Department, and the Tampa Bay Estuary Program for additional information on the successful VOG Programs in each community. The subcommittee will identify a proposed budget and resources needed to implement the VOG Program and report back to the CAC for a recommendation of approval to forward to the Board of County Commissioners.

FISCAL IMPACT: No fiscal impact will result from this study at this time.

ADVISORY COMMITTEE RECOMMENDATIONS: The Coastal Advisory Committee will review this item at the May 12, 2022, meeting.

LEGAL CONSIDERATIONS: This item is approved as to form and legality and presents no legal issues at this time. This item requires majority vote for approval. – CMG

RECOMMENDATION: For the Coastal Advisory Committee (CAC) to approve the Water Quality sub-committee recommendation to address the Coastal Water Quality within Collier County and proceed with further investigation into the budget and community partners.

Prepared by: Water Quality Sub-Committee

Andrew Miller, P.E., Manager – Coastal Zone Management, Capital Project Planning,
Impact Fees and Program Management Division