



# CITY OF BELLE ISLE, FL

1600 NELA AVENUE, BELLE ISLE, FL 32809 \* TEL 407-851-7730

## MEMORANDUM

From the Desk of Bob Francis, City Manager

**To:** Mayor and Council  
**Date:** June 14, 2022  
**Re:** Lake Conway Navigation Board Meeting

---

**NOTE: This memo is to provide information only and is NOT an official record of the Lake Conway Navigation Board Meeting. Please refer to the Lake Conway Navigation Board adopted minutes for the official record.**

Synopsis of the June 14, 2022 Lake Conway Navigation Board Meeting

- Public Comment: None
- Comments from the Chairperson: No comments from the Chairperson
- Marine Patrol Report:
  - a. Reports of OCSO and BIPD are attached.
  - b. Marine Patrol Funding: Board Member Evertsen asked CPT McMullen, OCSO, if the OC Budget was broken down by water body. CPT McMullen stated that it was not. A general discussion ensued about cost (\$50/hr. for the officers; \$6/hr. for equipment; and 7% FICA which was estimated at a total of \$64/hr.). No other significant discussions on funding took place, nor were any motions passed.
- Water Elevation Report: Report is attached
- EPD Report:
  - a. Lake Conway MSTU Budget Overview: Ms. Urbanik went over the spreadsheet for current Lake Conway Projects (attached). CM Francis asked when OCPW would complete the review of the Barby Drainage Project. Ms. Urbanik will check. CM Francis requested that the City's engineers and OCPW Engineers discuss the issues. Ms. Urbanik agreed the engineers should meet when the review is completed. General discussion ensued and no motions were passed.
  - b. Lake Conway Stormwater Study Project Update: Project status was covered under the MSTU Budget Overview. The Board briefly discussed moving the No Wake Zone farther out from the

Nela Bridge for safety reasons. No other significant discussion took place and no motions were passed.

- c. Street Sweeping Proposal: Ms. Urbanik stated that they are still working with the OC Attorney's Office on updating the Interlocal agreement that the County has with Belle Isle to include the gated HOAs. Once the OC Attorney completes the additions to the agreement, it will be sent to the City and HOA for review.
- Advisory Member Reports:
  - a. No other significant reports were rendered.
- Non-Agenda Items:
  - a. Board Member Evertsen made a presentation to the Board regarding the Sand Bar and a Paddle Board and Kayak Path for Lake Conway. He stated that Commissioner Uribe liked the idea and will discuss it with her staff (as Mr. Evertsen put it, "She will run it up the flagpole.") General discussion was held on this plan. Board Member Lance objected to the restriction of allowing people in the exclusion zone. Reference was made to the canoe trail that is currently in the Belle Isle Comprehensive Plan. Board agreed that more meetings are necessary between the City and County. The Board also passed a motion to have Mr. Evertsen take the lead on this project for the Board.

The presentation is attached to this memorandum.

- The meeting adjourned at 7:45 PM.

#### Attachments

- Nav Board Agenda
- Minutes of May 10, 2022 Meeting
- BIPD & OCSO Marine Reports
- Lake Report
- Lake Conway Projects spreadsheet
- Presentation on Sand Bar/Kayak Trail

# LAKE CONWAY WATER AND NAVIGATION CONTROL DISTRICT ADVISORY BOARD REGULAR MEETING AGENDA

June 14, 2022 at 6:30 P.M.,  
Orange County Facilities Management Training Room

## PLEDGE OF ALLEGIANCE

- I. Call Meeting to Order
- II. Approval of the Minutes
- III. Public Comment
- IV. Comments of the Chairman
- V. Marine Patrol Report
- VI. Lake Conway Water Elevation Report
- VII. Orange County EPD Report
  - Lake Conway MSTU Budget Overview
  - Lake Conway Stormwater Study Feasibility Scope
  - Street Sweeping Proposal
- VIII. Advisory Board Member Report
  - Chair Dr. Elizabeth Nelson
  - Vice Chair John Evertsen
  - Bobby Lance
  - Micky Blackton
  - Frances Guthrie
- IX. Non - Agenda Items
- X. Meeting Adjourned

## WHEN SPEAKING, PLEASE GIVE YOUR NAME AND ADDRESS

Section 286.0105, Florida Statutes states that if a person decides to appeal any decision made by a board, agency, or commission with respect to any matter considered at a meeting or hearing, he or she will need a record of the proceedings, and that, for such purpose he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

In accordance with the Americans with Disabilities Act (ADA), if any person with a disability as defined by the ADA needs special accommodation to participate in this proceeding, then not later than two business days prior to the proceeding, he or she should contact the Orange County Communications Division at (407) 836-3111.

Para mayor información en español, por favor llame al (407) 836-3111.

**Lake Conway Water and Navigation Control District  
Advisory Board Regular Meeting  
May 10, 2022 at 6:30 p.m.  
Orange County Facilities Management Training Room**

---

**Board Members Present:** Dr. Elizabeth Nelson (Chair), John Evertsen (Vice Chair), and Bobby Lance

**Board Members Absent:** Micky Blackton and Frances Guthrie

**Staff & Guests:** Tara Urbanik and Marissa Drake, Orange County Environmental Protection Division (EPD); Mayra Uribe, District 3, Orange County Board of County Commissioners (BCC); Deputy Adam Popp, Orange County Sheriff's Office (OCSO); Lieutenant Naomii Tye, Florida Fish and Wildlife Conservation Commission (FWC); Sergeant Jeremy Millis and Officer Stephen Shaffer, Belle Isle Police Department (BIPD); and David Woods

**Residents:** Randy Holihan and Beth Lowell

---

**I. Call to Order**

With a quorum present, Dr. Elizabeth Nelson called the meeting of the Lake Conway Water and Navigation Control District Advisory Board (Advisory Board) to order at 6:33 p.m.

**II. Approval of the April 12, 2022 Meeting Minutes**

**Upon a motion by Bobby Lance, seconded by John Evertsen, and carried with all present members voting AYE by voice vote, with Micky Blackton and Francis Guthrie being absent; the Advisory Board approved the April 12, 2022 meeting minutes.**

**III. Public Comment on Propositions before the Advisory Board**

Chair Dr. Nelson did not receive any requests for public comments, however, District 3 Commissioner, Mayra Uribe, requested to make a statement. Commissioner Uribe stated the language in the Orange County boat dock ordinance is under review, and requested to hear feedback from the Advisory Board on the proposed language.

**IV. Comments of the Chair**

Chair Dr. Nelson stated she is grateful that the Conway Chain of Lakes has good water quality, without many algal blooms.

**V. Marine Patrol Report**

**Off-Duty Patrol Reports**

Sergeant Jeremy Millis presented the Belle Isle Police Department off-duty marine patrol report. For the month of April 2022, the following activities were reported:

- 61 off-duty patrol hours
- 5 dispatched calls for service
- 233 vessels observed on the lake
- 7 vessel stops
- 31 vessel citations
- 5 vessel warnings
- 0 vessel inspections
- 30 ramp checks

Deputy Adam Popp presented the Orange County off-duty marine patrol report. For the month of April 2022, the following activities were reported:

- 1 misdemeanor
- 80 off-duty patrol hours
- 618 vessels observed on the lake
- 74 vessel stops
- 27 vessel citations
- 55 vessel warnings
- 40 vessel inspections
- 32 ramp checks

#### **VI. Lake Conway Water Elevation Report**

David Wood's presented his water elevation report. The total rainfall for April 2022 is higher than the April 2021 rainfall, but that evaporation appears to be a factor in the recent lower elevation of the lake compared to the year prior. It is forecasted that 14 named storms will occur this summer. The lake temperature is already at 80 degrees Fahrenheit.

#### **VII. Orange County EPD Report**

##### **Aquatic Plant Management**

An upcoming Hydrilla (*Hydrilla verticillata*) treatment is scheduled for the upcoming week. Ms. Urbanik displayed a map showing the treatment plot locations.

##### **Overlake Canal Navigability**

Ms. Urbanik confirmed there is a shallow area at the mouth of the canal due to accumulated sediment. The Advisory Board requested further research to see if this area can be restored back to original grade.

##### **Lake Conway Stormwater Study Feasibility Scope**

Ms. Urbanik received the three Orange County Public Works critiques of the Feasibility scopes; this information was sent to the Advisory Board and Geosyntec for their consideration.

##### **Street Sweeping Proposal**

The draft versions of the street sweeping interlocal agreements have been written and are in the process of being reviewed. Ms. Urbanik will provide an update in June 2022.

**VIII. Advisory Board Member Report**

- Chair Dr. Elizabeth Nelson: No comments.
- Vice Chair John Evertsen: Mr. Evertsen inquired who is responsible for removing vehicle oils and fluids from a car accident on the roadways. Ms. Urbanik will research.
- Bobby Lance: Mr. Lance inquired if the Nela Bridge would receive an extended no wake zone with the Phase II position of the Chapter 8 Boats and Water Safety ordinance. Ms. Urbanik confirmed this area will be included in the next round of permitting.

**IX. Non-Agenda Items**

No items stated.

**X. Meeting Adjourned**

Chair Dr. Nelson adjourned the meeting at 7:44 p.m.

\_\_\_\_\_  
Elizabeth Nelson, Chair

\_\_\_\_\_  
Date

\_\_\_\_\_  
Minutes prepared by Tara Urbanik

\_\_\_\_\_  
Date



# Lake Conway Marine Patrol Report

May-22

Orange County Sheriff's Office

Dates	1	5	7	8	10	11	14	19	21	22	26	Total				
												9				

Arrests																					0				
Felony																					0				
Misdemeanor																					0				
Warrant Arrests																					0				

Productivity																								0				
Field Intelligence Reports										1														2				
Dispatched Calls for Service																								0				
Reports Written																								0				
Vessel Accidents																								0				
Vessels Observed on Lake	50	15	40	120			14	60	20	40	45	25											429					
Vessel Stops	9	4	6	13			3	8	7	4	8	4											66					
Citations Issued	2	1	1	4				2	1	1	2	1											15					
Warnings Issued	5	2	6	8				2	9	5	2	4	6										49					
Vessel Inspections	9	4	2	7				1	4	7	3	8	4										49					
Ramp Checks		4		3						4		4											23					
Patrol Assists/Back-Ups											2	2											0					
Hours Worked	8	4	9	10	2	4	9	4	4	4	8	4											66					

**Comments:** Memorial Weekend was covered by On Duty OCSO Marine May 27, 28, 29 and 30.  
 Three commercial PWC Rental Companies were officially documented warned for violating the new county ordinance at the Randolph ramp.  
 Repeat violations by these companies will result in citations. OCSO continues to warn for first violation and issue citations for repeat violations.



## Lake Conway Marine Patrol Report



Sep-21

### Belle Isle Police Department

	1-May		7-May		8-May		14-May		26-Sep		21-May		22-May		28-May		29-May		Total
	BIPD	NAV	BIPD	NAV	BIPD	NAV	BIPD	NAV	BIPD	NAV	BIPD	NAV	BIPD	NAV	BIPD	NAV	BIPD	NAV	

0

**Arrests**

Felony	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Misdemeanor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Warrant Arrests	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Productivity**

Field Intelligence Reports	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dispatched Calls for Service	1	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	4
Reports Written	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vessel Accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vessels Observed on Lake	50	45	45	35	35	40	40	40	20	18	35	50							333
Boat Stops	0	1	1	1	1	1	1	1	0	0	1	0							6
PWC Stops	4	3	3	2	3	4	4	0	0	2	2	1							19
Citations Issued	4	4	4	4	5	5	5	2	0	0	2	1							27
Warnings Issued	2	1	1	0	2	1	1	0	0	0	0	0							6
Vessel Inspections	0	0	0	0	0	0	0	0	0	0	0	0							0
Ramp Checks	5	5	7	7	5	4	4	4	4	0	0	0							30
Patrol Assists/Back-Ups	0	0	0	0	0	0	0	0	0	0	0	0							0
Hours Worked	10	8	10	8	10	8	10	8	8	10	8	10							82

**Comments:**





## Lake Conway Marine Patrol Report



May-22

Belle Isle Police Department

BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	BIPD HOURS	Total
1-May	7-May	8-May	14-May	15-May	21-May	22-May	28-May	29-May												
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Arrests

Felony	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Misdemeanor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Warrant Arrests	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### Productivity

Field Intelligence Reports	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dispatched Calls for Service	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3
Reports Written	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vessel Accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vessels Observed on Lake	50	45	35	45	40	20	18	30	55											338
Boat Stops	1	2	2	2	1	0	0	0	0											8
PWC Stops	1	5	6	1	1	0	0	1	1											16
Citations Issued	1	6	7	6	2	0	0	0	0											22
Warnings Issued	2	2	1	0	0	0	0	1	1											7
Vessel Inspections	0	0	0	0	0	0	0	0	0											0
Ramp Checks	4	4	5	8	4	5	5	8	3											46
Patrol Assists/Back-Ups	0	1	2	0	0	0	0	0	0											3
Hours Worked	12	12	12	12	12	12	12	12	12											108

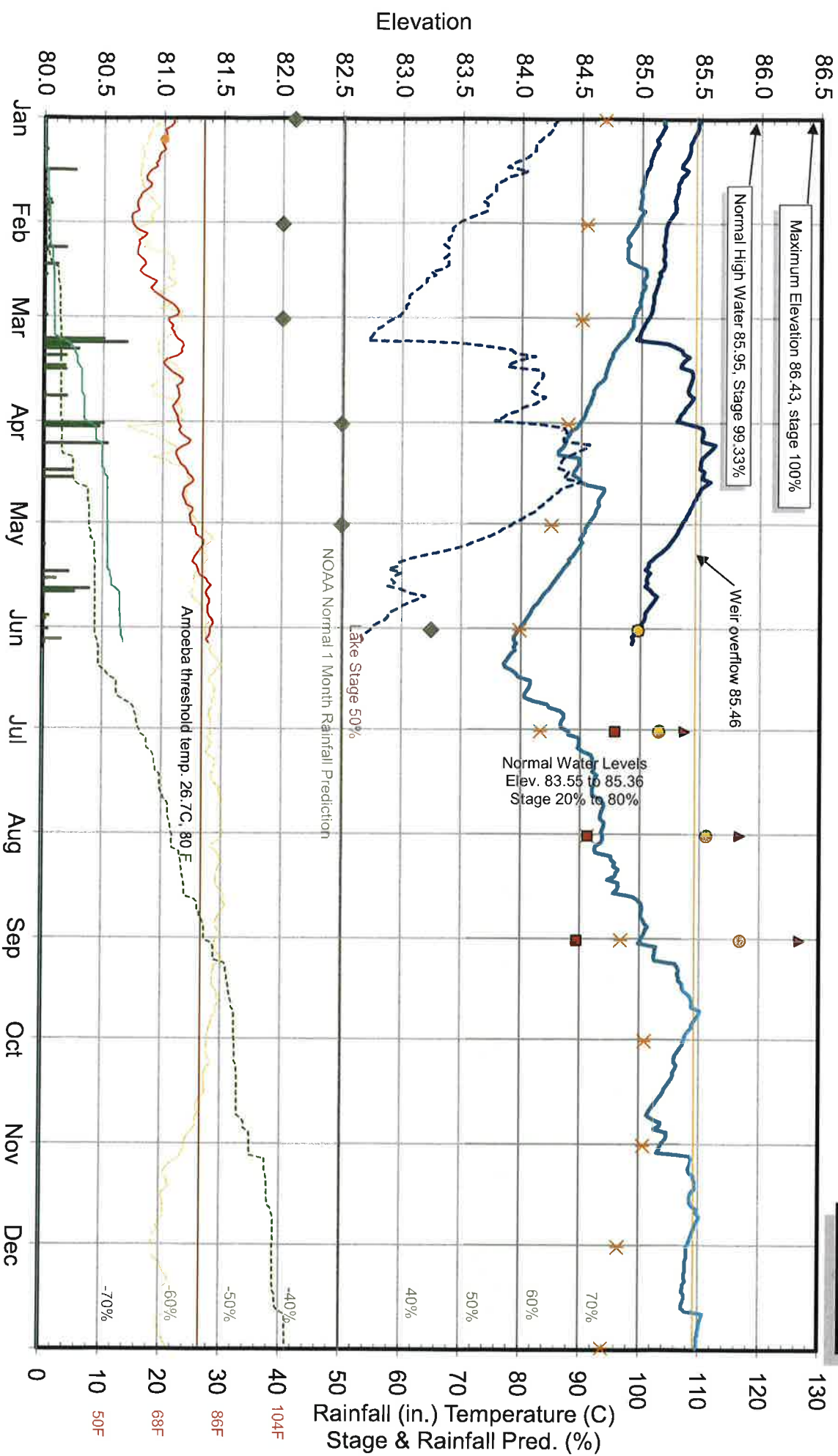
### Comments:

Datum based on Hoffner Bridge Gauge, OCBM L-1058-006

# Lake Conway 2022 Elevations (NAVD 88)

Provided as a public service by TEC Engineering, Inc. Find more and sign up to get these monthly reports at: <https://TECEngr.yolasite.com/cnb.php>

5/31/22  
Elev 84.99  
Stage 55%



CURRENT LAKE CONWAY PROJECTS		Breakdown	
Project	Cost	OPERATION & MAINT COST OVER 20 YEARS	TP COST BENEFIT \$/LB REMOVED
1 Off-duty lake patrol	\$108,978.00		
2 Fence/ek ramp gatekeeper	\$3,365.00		
3 Boat maintenance, new markers, lake control construction services	\$240,000.00		
4 CON0270 Alabaz Ct Feasibility & Design Study	\$140,231.24		
5 CON0270 Trentwood Blvd Feasibility & Design Study	\$183,928.28		
6 CON0270 Wallace St Feasibility & Design Study	\$176,798.92		
7 Additional Street Sweeping Route	\$9,790.93		
8 Barbly Lane NSB with BAM			
9 New Navigation Marker locations			
10 <b>CURRENT LAKE PROJECTS TOTAL</b>	<b>\$863,092.97</b>		
11 <b>TOTAL MSTU REVENUES ANTICIPATED THIS YEAR</b>	<b>-\$890,430.00</b>		
12 <b>RESERVES</b>	<b>\$1,126,318.00</b>		
13 Lake Galin Alum Treatment	\$138,503.37		
14 Canal Situation Assessment	\$30,441.75		
15 Delta Beach baffle box (5) COBI cost share	\$94,020.00		
16 Pet Waste Stations at City/Lakefront parks	\$4,554.02		

**LAKE CONWAY STUDY RECOMMENDATIONS**

DESCRIPTION	PROPOSED INSTALLED COST	OPERATION & MAINT COST OVER 20 YEARS	TN COST BENEFIT \$/LB REMOVED	TP COST BENEFIT \$/LB REMOVED	EPD COMMENTS
17 CON0040 Bioswales within right-of-way of Perkins Road, Fuller Road, and Wind Drift Road. Inlet baskets along Lake Drive. (1)	\$834,688.00	\$75,000.00	\$253.00	\$1,587.00	Currently not a priority for COBI.
18 CON0290 Underground 2nd generation baffle box with up-flow BAW filter in the parcel at the west end of Trentwood Boulevard. (2)	\$502,458.00	\$67,000.00	\$430.00	\$3,491.00	Scope from Geosyntec. Possible partnership with COBI. DOT is not interested in partnership at this time.
19 CON0370 2nd generation NSBB with BAM filter within the right-of-way of Barbly Lane. (3)	\$328,644.00	\$16,500.00	\$1,017.00	\$6,807.00	Engineering plans sent to OCPW for review. Priority project for COBI. Proposed baffle box with BAM.
20 CON0460 Underground up-flow BAM filter (HPUF) in empty parcel off East Wallace Street. (4)	\$536,281.00	\$12,000.00	\$1,136.00	\$7,106.00	Scope from Geosyntec. Will require future discussions with OC PW, EPD, COBI. SJRWMD grant may be possible in Jan-Mar timeframe. A priority project for COBI. Baffle box with BAM proposal.
21 CON0270 Underground 2nd generation baffle box with up-flow BAW filter in drainage easement at the intersection of Alabaz Court and Montmart Drive. (6)	\$314,175.00	\$67,000.00	\$1,383.00	\$9,605.00	Scope from Geosyntec.
22 CON0170 Floating treatment wetlands in west wet detention pond and underground up-flow BAM filter (HPUF) for effluent of eastern pond in parcel south of Rothbury Drive. (7)	\$934,666.00	\$19,887.00	\$1,388.00	\$14,433.00	
23 CON0130 Underground up-flow BAM filter (HPUF) in parcel north of Franconia Drive. (8)	\$1,105,457.00	\$30,820.00	\$2,203.00	\$24,543.00	
24 CON0080 Underground 2nd generation baffle box with up-flow BAW filter in right-of-way on the north end of St. Parn Place (9)	\$313,612.00	\$67,000.00	\$5,912.00	\$37,531.00	Infrastructure improvement needed. OC utilities has lift station & large sanitary pipe near this proposed location. COBI coordinating with OC on proposed slip line project to improve structure. A priority project for COBI. EPD comment: Cost benefit of TN & TP removal is very high.
25 Street Sweeping Optimization Study					Nav Board did not move forward for approval

## **Quick overview**

### **Sand Bar Designated Areas and Travels lanes....**

- In effect from 5/1-10/1 :Fridays 3pm till sunrise Monday morning and Holidays ( with the exception of kayak and Paddleboard lanes)
- Boat human exclusion zone will provide for protection of the environment from overuse and destruction of lake substrate and vegetation
- Area will be created to provide a safer environment for the Lake Conway stakeholders on days with heavy participation. Travel lanes and designated areas will provide easier access for participants, first responders and residents that live along the shoreline. Boat mooring area will be for dedicated mooring area for all watercraft.
- Travel lanes are no wake

### **Paddle Board and Kayak Path for Lake Conway**

- No commercial Groups can utilize launches.
- Warren Park Orange County Launch
- Cross Lake Belle Isle launch (to be agreed upon)
- 50 feet from end of dock and/or parallel to shoreline
- Marked by buoys
- Will allow for safe travel through the chain of lakes for paddle boards and kayaks on a designated route.
- Boats allowed to cross but not run in path Kayaks and Paddle Boards have Right of Way





TRAVEL  
CORRIDOR NO  
WAKE

Boat  
mooring  
area 3

Boat Exclusion  
Zone

Resh Family  
Partnership LLP

Boat  
Mooring  
area 2

Boat  
Mooring  
area 1