

Brevard County
Save Our Indian River Lagoon Project Plan
Citizen Oversight Committee

August 16, 2019 – 8:30 to 11:30 am
Brevard County Government Center
2725 Judge Fran Jamieson Way
Building C, 3rd Floor, Florida Room
Viera Florida 32940

- I. Call to Order
- II. Roll Call
- III. Approval of the Agenda
- IV. Approval of Minutes
- V. Monthly Progress and Fiscal Reports
 - a. August 2019 Progress Report – Virginia Barker
 - b. Save Our Indian River Lagoon Project Performance Table – Brandon Smith
 - c. Revenue Graph and Financial Statement – Crystal Melton
- VI. Other Reports and Special Presentations
 - a. Turkey Creek Watershed Video – Virginia Barker
 - b. New Kilroy Station Data Feed <http://api.kilroydata.org/public/> – Walker Dawson
 - c. State Roads 528 and 520 Causeway versus Bridge Span Update - Numerical Modeling Addendum Report by Dr. Gary Zarillo, Florida Institute of Technology, submitted to the Indian River Lagoon National Estuary Program and Canaveral Port Authority
 - d. Lagoon Restoration Perspectives from a Waterman's Point of View – Captain Billy Rotne, Tail Hunter Charters and Captain Frank Catino, Mayor Satellite Beach
- VII. Old Business
 - a. Revised 2020 Cost Share Eligibility Table – Virginia Barker
- VIII. New Business
 - a. Request for Additional Funding for the Brevard County Basin #2134 Fleming Grant Biosorption Activated Media Project - Brandon
- IX. General Public Comments
- X. Final Comments by Chair and Committee Members
- XI. Adjournment

**Save Our Indian River Lagoon
Citizen Oversight Committee Meeting Minutes**

July 19, 2019 – 8:30 a.m. – 11:30 a.m.
2725 Judge Fran Jamieson Way,
Bldg. C, 3rd Floor, Florida Room
Viera, FL 32940

Members Present:

Expertise	Member	Present	Alternate	Present
Science	Lorraine Koss	Yes	Charles Venuto	No
Technology	John Luznar	Yes	Vinnie Taranto	Yes
Education	Stephany Eley	Yes	Melissa Martin	Yes
Finance	Courtney Barker	Yes	Todd Swingle	Yes
Tourism	David Lane - Chair	Yes	Laurilee Thompson	Yes
Real Estate	Danielle Bowden	Yes	Dennis Basile	Yes
Lagoon Advocacy	John Windsor - Vice Chair	Yes	Terry Casto	Yes

Staff Present:

Virginia Barker, Brevard County Natural Resources Management Director
Christine Valliere, Brevard County Assistant County Attorney
Walker Dawson, Engineer III, Muck Dredging
Courtney Maier, Engineer I, Stormwater
Anthony Gubler, Environmental Specialist
Brandon Smith, Environmental Specialist
Crystal Melton, Fiscal Analyst

I. Call to Order

II. Roll Call

A quorum was established.

III. Approval of the Agenda

{Placeholder} moved to approve the Agenda as written: Seconded by
{Placeholder} Motion was unanimously approved.

IV. Approval of Minutes

John Windsor moved to approve the May 17, 2019 and May 31, 2019 Minutes as written; Seconded by Lorraine Koss. Motion was unanimously approved.

V. Monthly Progress and Fiscal Reports – Virginia Barker, Director

a. July 2019 Progress Report

The Monthly Progress and Fiscal Reports were given by Virginia Barker.

Discussion ensued. The Committee's questions were answered by Ms. Barker.

b. **Revenue Graph and Financial Statement**

Virginia Barker gave a brief update on the Revenue Graph.

Discussion ensued. The Committee's questions were answered by Virginia Barker.

VI. Other Reports and Special Presentations

a. **Sewer line inspections – Chris Little, Utilities Director, City of Palm Bay; Adam Marrara, Florida Home Inspection Bureau; and Stephen Rowe, Anchor Plumbing**

Chris Little, Utilities Director, City of Palm Bay gave a power point presentation on sewer line inspections. Adam Marrara, Florida Home Inspection Bureau and Stephen Rowe, Anchor Plumbing gave presentations on sewer line inspections.

A panel discussion ensued. The Committee's questions were answered by Chris Little, Adam Marrara, Stephen Rowe, Anthony Gubler and Virginia Barker.

b. **Story Map - Matt Badolato**

Matt Badolato gave a presentation on a Save Our Indian River Lagoon Project Plan story map. Mr. Badolato noted that the map was created using ESRI Geographical Information System's online tool. The interactive maps included: 1) Where are Save Our Indian River Lagoon Projects with specific layers for; 2) Oysters and Living Shorelines; 3) Septic in Brevard; 4) Septic to Sewer Conversions; 5) Septic System Upgrades; 7) Stormwater Treatment; 8) Muck Removal; 9) Leaky Sewer Laterals; and 10) Wastewater Treatment Upgrades. The story map is available on the Save Our Indian Lagoon website.

Discussion ensued. The Committee's questions were answered by Mr. Badolato and Virginia Barker.

c. **Muck video – Dylan Hansen**

A video about muck dredging projects in the City of Cocoa Beach featuring Wayne Carragino, Project Manager, City of Cocoa, was shown.

VII. Old Business

None.

VIII. New Business

a. **Palm Bay cost share request – Chris Little, PE, Palm Bay Utilities Director**

Chris Little, Utilities Director, City of Palm Bay gave an explanation and background of the Request for Additional Funding for the City of Palm Bay North Regional Water Reclamation Facility Nutrient Removal Project.

Discussion ensued. The Committee's questions were answered by Mr.

Little and Virginia Barker.

Stephany Eley moved to recommend to the Brevard County Commission approval of additional funding for the Palm Bay North Regional Reclamation Facility Nutrient Removal Project; Seconded by John Windsor. Motion was unanimously approved.

b. City Workshop cost share – Virginia Barker, Director

(This Item was heard out of order.)

Virginia Barker explained the proposed cost share eligibility by project type for projects proposed for the 2020 Save Our Indian River Lagoon Project Plan Update.

Discussion ensued. The Committee's questions were answered by Virginia Barker.

Courtney Barker moved to amend the motion to approve the cost share eligibility by project type proposed for the 2020 Save Our Indian River Lagoon Project Plan Update to include updating the cost share for Treatment Upgrades for Reclaimed Water to reflect the previous motion for Palm Bay; Seconded by Stephany Eley. Motion was unanimously approved.

c. Annual Plan Update schedule – Virginia Barker, Director

(This Item was heard out of order.)

Virginia Barker discussed the schedule for the Save Our Indian River Lagoon Project Plan 2020 Update. Ms. Barker noted that staff would hold the workshop with Cities and other County departments at the end of August. It was noted that the proposed schedule provides three weeks for county staff to review proposals, resolve questions and prepare summary tables and then three weeks for the Committee to review the proposals.

Once the Committee makes recommendations on which proposed projects to include, the Draft Plan Update would be completed for the Committee to review. County staff and its consultant would have four weeks to incorporate the Committee's recommendations into the 2020 draft Plan Update and balance the 10-year costs with 10-year revenue projections. The draft update would be posted on the website and brought to the Committee for review. After Committee changes are incorporated, the Committee's recommended 2020 Plan Update must be posted and available for public review for a minimum of fifteen days prior to the plan's consideration by the County Commission. Discussion ensued.

John Windsor moved to accept the proposed schedule for developing the Save Our Indian River Lagoon Project Plan 2020 Update; Seconded by Lorraine Koss. Discussion ensued.

Motion was unanimously approved.

d. **Grass Clippings Outreach Proposal – Leesa Souto, Executive Director, Marine Resources Council**

Leesa Souto, Executive Director, Marine Resources Council gave a power point presentation entitled Grass Clippings Campaign – Setting the stage for Evaluation. Topics included: 1) Evaluating Social Change; 2) Grass Clippings Survey; 3) Target Audience Behaviors; 4) Identify Barriers and Benefits; 5) Testing Logos; 6) Testing Taglines; 7) Moving Toward Design – Thin Line; 8) Next Steps; 9) Timeline; and 10) Grass Clippings Scope.

The requested action is \$15,000 to fund the grass clipping social marketing research.

Discussion ensued. The Committee's questions were answered by Dr. Souto.

John Windsor moved to extend the meeting for ten minutes; Seconded by Danielle Bowden. Motion was unanimously approved.

John Windsor moved to recommend awarding \$15,000 to fund the grass clipping social marketing research proposed by the Marine Resources Council to develop messaging collateral for a grass clipping campaign; Seconded by Stephany Eley. Motion was unanimously approved.

IX. General Public Comment

Public Comments were heard.

X. Final Comments by Chair and Committee Members

Final Comments were heard.

XI. Adjournment



Save Our Indian River Lagoon Project Plan August 2019 Progress Report

WORK COMPLETED THIS MONTH:

- Quality Assurance Plan submitted to Florida Department of Health for testing septic drainfield media
- Titusville - Coleman Pond Floating Aquatic Plant Installation is complete
- Grand Canal Muck Dredging – Broke ground for turn lane construction and dewatering area
- Kilroys - 3 of 4 monitoring stations installed and operational (<http://api.kilroydata.org/public/>)
- University of Central Florida researchers conducted monitoring at 3 oyster sites
- University of Central Florida contracted for 2nd year of Living Shoreline Monitoring
- Derelict Vessels – 4 additional derelict vessels removed
- Videos – Turkey Creek Watershed
- Audit on capital project and municipal grant processes

WORK UNDERWAY THIS MONTH:

- Interviewing 8 of 36 applicants for the vacant staff position
- County Commission agenda for appointing a replacement for the Real Estate Member seat
- Education, Outreach and Public Engagement - "LagoonLoyal.com" has enlisted over 40 businesses
- Adding completed projects layer to the Story Map posted at www.brevardfl.gov/SaveOurLagoon/maps
- Cocoa Beach - Water Reclamation Facility Upgrades contracts complete, notice to proceed given 6/11.
- Beaches Leaking Sewer Laterals – 3rd month of sampling completed for 8 participating property owners
- Printing Post Cards to notify owners eligible for grants to upgrade their septic or connect to sewer
- Sykes Creek Zones N Septic-to-Sewer – Utility Services approved final design
- Micco Sewer – Final design submitted, permit applications drafted, processing grant contracts
- South Central C Septic-to-Sewer – Utility Services finished 60% design review
- Sykes Creek Zone M and T- Consultant is finalizing 30% submittal
- West Melbourne - Sylvan Estates Amendment I for new cost share circulating for signatures
- Titusville - South Street Baffle Boxes installation 90% complete, La Paloma installation 60% complete, St Teresa construction contract awarded on 3/12, and Titusville High School Baffle Box 50% design
- Johns Road, Flounder Creek, Basin 1409 and 1349 have begun the permitting process
- Kingsmill-Aurora Phase II task order was executed and design has begun
- Performance monitoring is underway for Central Boulevard and Church Street Baffle Box upgrades
- Cocoa Beach - Muck Dredging Phase III contract is approximately 87% complete
- Cocoa Beach - Muck Dredging Phase IIb contracts complete, spoil site being prepared currently
- Grand Canal Muck Dredging – continuing to collect dredge waivers, seeking permit to add Berkeley
- Sykes Creek Muck Dredging – Phase I bid document revisions underway
- Merritt Island Muck Dredging – Response to 2nd state Request for Additional Information underway
- Mathers Bridge Area Muck Removal – Surveying an expansion of the project area
- Brevard Zoo - Central Indian River Lagoon oyster permitting underway, Oliver & Eden Isles Withdrawn
- Filming videos - Lateral Line Repairs
- Department of Transportation and stakeholder meeting on causeway elevation over the Banana River
- Annual Intergovernmental Collaboration Meeting with review of Project Cost Share Request Process
- Drafting legislative priorities for 2020 and collaborative water policy initiatives



PRESENTATIONS THIS MONTH:

July 24 – Satellite Beach Sustainability Board – Brandon
July 29 – Oyster Gardening Workshop – Brevard Zoo and Matt Badolato
August 14 – Sebastian Inlet District Meeting – Walker and Brandon
August 22 – Oyster Gardening Workshop – Brevard Zoo and Matt Badolato
August 28-30 – Florida Lake Management Society Conference – Virginia, Anthony, Walker
September 11 – Sea Grant – Brandon and Anthony
September 13 – Tortoise Island Food Truck Event – Walker and Brandon
September 21 – Space Coast Communities Association – Anthony and Carlos Cuevas

WEBSITE AND SOCIAL MEDIA LINKS:

Outreach and Engagement Landing Page: <https://lagoonloyal.com/>
Website: <http://www.brevardfl.gov/SaveOurLagoon>
Facebook: <https://www.facebook.com/BrevardCountySaveOurLagoon>;
Instagram: <https://www.instagram.com/saveourlagoon/>
YouTube: <https://goo.gl/GBh6xU>

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

Crane Creek/M-I Canal Community Meeting, 3-6pm, 8/14; Rodes Park, Melbourne
Brevard Zoo Oyster Gardening Workshop, 8/22 & 9/9; Living Shoreline SOIRL Question and Answer, 9/24 -
<https://restoreourshores.org/volunteer-we-need-you/>
Marine Resources Council Brown Bag Lunch: Leave No Trace & the IRL 9/3 -
<https://savetheirl.org/brown-bag-lunch/>

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo Oyster Habitat Supply Making, 8/24 <https://restoreourshores.org/volunteer-we-need-you/>
Keep Brevard Beautiful- Family Causeway Cleanup, 9/5; International Coastal Cleanup, 9/21
Lagoon Friendly Lawns – contact Kaylyn Palmer of Keep Brevard Beautiful at 321-631-0501
Fish Kill Response Cleanup: contact Desiree Lesko of Keep Brevard Beautiful at 321-631-0501
Marine Resources Council Lagoon Watch, Mangrove, or Lagoon Literacy <https://savetheirl.org/volunteer/>

FUTURE TOPICS FOR SPECIAL PRESENTATIONS:

1. Harvesting of Aquatic Weeds – Melbourne Tillman Water Control District, Patrick Air Force Base
2. Ongoing Research on Charismatic Critters of the Lagoon – Hubbs SeaWorld Research Institute
3. New Enhanced Lagoon Circulation Research – Florida Tech Research Initiative
4. Low Impact Development – Local examples
5. Indian River Lagoon Research News: TechCon, ShORE, and Harbor Branch Symposium Highlights
6. Completed and Ongoing Muck Research – Florida Tech Research Initiative
7. Coordinating Spoil Management with Florida Inland Navigation District
8. Water Technology Conference/Industry Day – Economic Development and National Estuary Program
9. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
10. Surface Water Remediation Technologies
11. Oyster histories in Brevard County - University of Central Florida
12. Project Monitoring Results
13. Package Plants

Save Our Indian River Lagoon Performance Table

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
Brevard County	Denitrification Retrofit of Johns Rd Pond (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	71%	Leveraged Funds	Leveraged Funds
Brevard County	Denitrification Retrofit of Johns Rd Pond (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2018/19						
Brevard County	Kingsmill-Aurora Phase 2 of 2 (Land Acquisition)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	100%	Leveraged Funds	Leveraged Funds
Brevard County	Kingsmill-Aurora Phase 2 of 2 (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete		Leveraged Funds	Leveraged Funds
Brevard County	Kingsmill-Aurora Phase 2 of 2 (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2020/21						
Brevard County	Denitrification Retrofit of Huntington Pond (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	90%	Leveraged Funds	Leveraged Funds
Brevard County	Denitrification Retrofit of Huntington Pond (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2018/19						
Brevard County	Denitrification Retrofit of Flounder Creek Pond (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	90%	Leveraged Funds	Leveraged Funds
Brevard County	Denitrification Retrofit of Flounder Creek Pond (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2018/19						
Brevard County	Basin 1349 (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	90%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 1349 (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Brevard County	Basin 1409 (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	90%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 1409 (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Brevard County	Basin 989 (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete				
Brevard County	Basin 989 (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
Brevard County	Basin 1298 Bioreactor (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	36%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 1298 Bioreactor (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Brevard County	Basin 1304 Bioreactor (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	36%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 1304 Bioreactor (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Brevard County	Basin 832 Broadway Pond Biosportion Activated Media (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	100%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 832 Broadway Pond (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Brevard County	Basin 100 Burkholm Road Biosportion Activated Media (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	90%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 100 Burkholm Road (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Brevard County	Basin 115 Carter Road Biosportion Activated Media (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	90%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 115 Carter Road Biosportion Activated Media (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/21						
Brevard County	Basin 2134 Fleming Grant Biosportion Activated Media (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	90%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 2134 Fleming Grant Biosportion Activated Media (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/22						
Brevard County	Basin 51 Johns Road Pond Biosportion Activated Media (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	100%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 51 Johns Road Pond Biosportion Activated Media (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
Brevard County	Basin 193 Wiley Road Biosportion Activated Media (Engineering)	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	90%	Leveraged Funds	Leveraged Funds
Brevard County	Basin 193 Wiley Road Biosportion Activated Media (Construction)	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal (Engineering)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	100%	N/A	N/A
Brevard County	Mims Muck Removal: Outflow Water Nutrient Removal (Construction)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	100%	N/A	N/A
Brevard County	Grand Canal Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	100%	Leveraged Funds	Leveraged Funds
Brevard County	Grand Canal Muck Dredging (Construction)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	2%		
Brevard County	Sykes Creek Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	100%	Leveraged Funds	Leveraged Funds
Brevard County	Sykes Creek Muck Dredging (Construction)	Muck Removal & Interstitial Treatment	Complete	Expected Fiscal Year 2019/20						
Brevard County	Muck Re-dredging in Turkey Creek (Engineering)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Brevard County	Muck Re-dredging in Turkey Creek (Construction)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Brevard County	Muck Interstitial Water Treatment for Turkey Creek	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Brevard County	Merritt Island Muck Removal, Phase 1 of 2 (Engineering)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	40%	Leveraged Funds	Leveraged Funds

Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
Brevard County	Merritt Island Muck Removal, Ph 1 of 2 (Construction)	Muck Removal & Interstitial Treatment	Complete	Expected Fiscal Year 2018/19						
Brevard County	Titusville Area Muck Removal, (Engineering)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	10%	0.58%	0.58%
Brevard County	Titusville Area Muck Removal (Construction)	Muck Removal & Interstitial Treatment	Complete	Expected Fiscal Year 2019/20						
Brevard County	Eau Gallie Area Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	95%	0.31%	0.31%
Brevard County	Eau Gallie Area Muck Dredging (Construction)	Muck Removal & Interstitial Treatment	Complete	Expected Fiscal Year 2018/19						
Brevard County	Rockledge Area Muck Dredging (Engineering)	Muck Removal & Interstitial Treatment	Complete	Complete	Complete	Complete	Complete	10%		
Brevard County	Rockledge Area Muck Dredging (Construction)	Muck Removal & Interstitial Treatment	Complete	Expected Fiscal Year 2019/20						
Brevard County	Sewer Lateral Replacement Repair - Sat. Bch Pilot (Construction)	Sewer Upgrades	Complete	Expected Fiscal Year 2018/19						
Brevard County	Sykes Creek - Zone N (Engineering)	Septic Removal	Complete	Complete	Complete	Complete	Complete	100%	3.38%	3.23%
Brevard County	Sykes Creek - Zone N (Construction)	Septic Removal	Complete	Expected Fiscal Year 2018/19						
Brevard County	Sykes Creek - Zone M (Engineering)	Septic Removal	Complete	Complete	Complete	Complete	Complete	30%	5.17%	4.48%
Brevard County	Sykes Creek - Zone M (Construction)	Septic Removal	Complete	Expected Fiscal Year 2019/20						
Brevard County	Sykes Creek - Zone T (Engineering)	Septic Removal	Complete	Complete	Complete	Complete	Complete	30%	3.37%	2.90%

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Brevard County	South Central - Zone C (Engineering)	Septic Removal	Complete	Complete	Complete	Complete	Complete	30%	5.48%	5.48%
Brevard County	Micco Sewer Line Extension (Engineering)	Septic Removal	Complete	Complete	Complete	Complete	Complete	95%	11.85%	11.85%
Brevard County	Micco Sewer Line Extension (Construction)	Septic Removal	Complete	Expected Fiscal Year 2018/19						
Brevard County	Long Point Park Upgrade	Septic Upgrade	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Brevard County	Riverview Senior Resort (Engineering)	Living Shoreline - Oyster	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Brevard County	Riverview Senior Resort (Construction)	Living Shoreline - Oyster	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Brevard County	Indian River Drive (Engineering)	Living Shoreline - Oyster	Complete	Expected Fiscal Year 2018/19						
Brevard County	Indian River Drive (Construction)	Living Shoreline - Oyster	Complete	Expected Fiscal Year 2018/19						
Brevard Zoo	Marina Isles	Living Shoreline - Oyster	Complete	Complete	Complete	Complete	Complete	100%	100.00%	0.00%
Brevard Zoo	Bettinger	Living Shoreline - Oyster	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Brevard Zoo	Gitlin	Living Shoreline - Oyster	Complete	Complete	Complete	Complete	Complete	100%	100.00%	0.00%
Brevard Zoo	Coconut Pt/EELS	Living Shoreline - Oyster	Complete	Expected Fiscal Year 2018/19						
Brevard Zoo	Wexford	Living Shoreline - Oyster	Complete	Expected Fiscal Year 2018/19						
Brevard Zoo	Bomalaski	Living Shoreline - Oyster	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Brevard Zoo	Oliver	Living Shoreline - Oyster	Complete	Expected Fiscal Year 2018/18						
Brevard Zoo	Banana River Lagoon - Oysters	Living Shoreline - Oyster	Complete	Expected Fiscal Year 2018/19						

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Cocoa Beach	Cocoa Beach Water Reclamation Facility Upgrades	Wastewater Treatment Facility Upgrades	Complete	Complete	Complete	Complete	Complete	25%		
Cocoa Beach	McNabb Park	Living Shoreline - Oyster	Complete	Expected Fiscal Year 2018/19						
Cocoa Beach	McNabb Park - Plants	Living Shoreline - Plants	Complete	Expected Fiscal Year 2018/19						
Indian Harbour Beach	Gleason Park Reuse	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Indian Harbour Beach	Muck Removal of IHB Canals	Muck Removal & Interstitial Treatment	Complete	Expected Fiscal Year 2018/19						
Indian Harbour Beach	Muck Interstitial WaterTreatment for IHB Canals	Muck Removal & Interstitial Treatment	Complete	Expected Fiscal Year 2018/19						
Indian Harbour Beach	Big Muddy @ Cynthia Baffle Box	Stormwater Traditional	Complete	Expected Fiscal Year 2018/19						
Marine Resources Council	Grass Clippings Campaign	Education Outreach	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Marine Resources Council	Cocoa Beach Country Club	Living Shoreline - Plants	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Marine Resources Council	Lagoon House Shoreline Restoration Planting	Living Shoreline - Plants	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Melbourne	Hoag Sewer Conversion	Septic Removal	Complete	Complete	Complete	Complete	Complete	85%		
Melbourne	Pennwood Sewer Conversion	Septic Removal	Complete	Complete	Complete	Complete	Complete	85%	42.02%	0.00%
Melbourne	Cliff Creek Baffle Box	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	25%		
Melbourne	Thrush Drive Baffle Box	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	25%		
Melbourne	Stewart Road Dry Retrofit	Stormwater Traditional	Complete	Expected Fiscal Year 2018/19						

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Melbourne	Spring Creek Baffle Box	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Melbourne	Cherry Strett Baffle Box	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Melbourne	Espanola Baffle Box	Stormwater Traditional	Complete	Expected Fiscal Year 2019/20						
Melbourne	Grant Street WRF Nutrient Removal Improvements	WWTF Upgrades	Complete	Expected Fiscal Year 2018/19						
Melbourne	Riverside Drive Septic Removal Conversion	Septic Removal	Complete	Complete	Complete	Complete	Complete	50%		
Melbourne	Roxy Avenue Septic Removal Conversion	Septic Removal	Complete	Expected Fiscal Year 2018/19						
Melbourne	Grant Place Baffle Box	Stormwater Traditional	Complete	Expected Fiscal Year 2018/19						
Melbourne	Apollo/GA Baffle Box	Stormwater Traditional	Complete	Expected Fiscal Year 2018/19						
Melbourne	Riverview Park	Living Shoreline - Oyster	Complete	Expected Fiscal Year 2018/19						
Melbourne	Riverview Park	Living Shoreline - Plants	Complete	Expected Fiscal Year 2018/19						
MIRA	MIRA Septic Removal Phase 1 of 2	Septic Removal	Complete	Complete	Complete	Complete	Complete	100%	5.61%	5.61%
MIRA	MIRA Septic Removal Phase 2 of 2	Septic Removal	Complete	Complete	Complete	Complete	Complete	0%		
Palm Bay	Bayfront Stormwater Project	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	100%	100.00%	100.00%
Palm Bay	Turkey Creek Shoreline Restoration	Living Shoreline	Complete	Complete	Complete					
Palm Bay	North Region WRF	WWTF Upgrades	Complete	Complete	Complete	Complete	Complete	66%	10.23%	10.38%
Palm Bay	Septic Removal - Palm Bay B	Septic Removal	Complete	Expected Fiscal Year 2018/19						

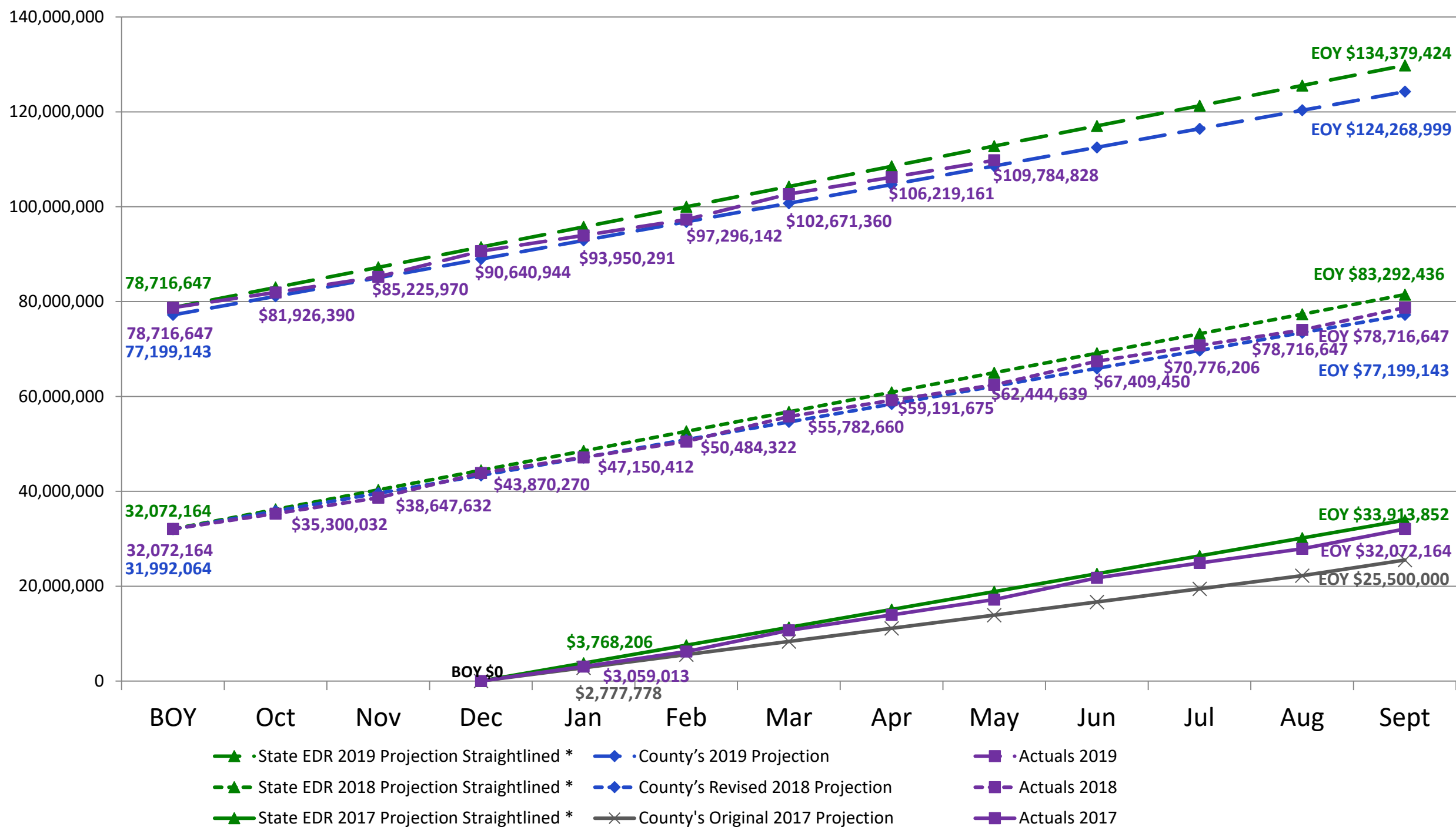
Responsible Entity	Project Name	Project Type	Grant Confirmation Notice Sent	Scope of Work Received	Contract Prepared	Executed By County	Executed By Grantee	Project Complete	Requested Save Our Indian River Lagoon Funds	Sent Save Our Indian River Lagoon Funds
Rockledge	Breeze Swept Septic Removal	Septic Removal	Complete	Complete	Complete	Complete	Complete	Complete	100.00%	100.00%
SJRWMD	Crane Creek/M-1 Canal Flow Restoration	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	40%		
Titusville	St. Teresa Basin Treatment	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	66%		
Titusville	South St. Basin Treatment	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	96%		
Titusville	La Paloma Basin Treatment	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	86%		
Titusville	Titusville High School Baffle Box	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	17%		
Titusville	Coleman Ponds Managed Aquatic Plant System	Stormwater Traditional	Complete	Complete	Complete	Complete	Complete	100%		
Titusville	Osprey WWTF	WWTF Upgrades	Complete	Complete	Complete	Complete	Complete	10%	4.26%	2.03%
Titusville	Sewer Lateral Repair Project	Sewer Lateral Rehab	Complete							
West Melbourne	Sylvan Estates Septic Removal Conversion	Septic Removal	Complete	Complete	Complete	Complete	Complete	66%	1.17%	1.14%

Previous Quarter Grant Confirmation Notice Sent Total	Previous Quarter Scope of Work Received Total	Previous Quarter Contract Prepared Total	Previous Quarter Executed by County Total	Previous Quarter Executed by Grantee Total	Previous Quarter Project Complete Total	Previous Quarter Reimbursement Requested Total	Previous Quarter Reimbursement Sent Total
128	67	65	62	60	23	43	43

Current Quarter Grant Confirmation Notice Sent Total	Current Quarter Scope of Work Received Total	Current Quarter Contract Prepared Total	Current Quarter Executed by County Total	Current Quarter Executed by Grantee Total	Current Quarter Project Complete Total	Current Quarter Reimbursement Requested Total	Current Quarter Reimbursement Sent Total
128	71	71	67	66	27	48	45

Save Our Indian River Lagoon Revenues Cumulative Graph Fiscal Year 16-17 to Current Fiscal Year

- * Economic and Demographic Research Data is sourced from Florida's Office of Economic & Demographic Research using their Estimation of Realized and Unrealized Tax Revenues Table
- Projected and Actual Data is from Systems, Applications and Products program
- EDR-Economic and Demographic Research Data, BOY-Beginning of Year, EOY-End of Year
- For Screen Readers use the Save Our Indian River Lagoon Revenues Cumulative Fiscal Year 16-17 to Current Fiscal Year Table
- Updated the State EDR Beginning Of Year to match Actuals End Of Year to the prior Fiscal Years



Save Our Indian River Lagoon Revenues Cumulative Chart

Fiscal Year 16-17 to Current Fiscal Year

* Economic and Demographic Research Data is sourced from Florida's Office of Economic & Demographic Research using their Estimation of Realized and Unrealized Tax Revenues Table

- Projected and Actual Data is from Systems, Applications and Products program
- EDR-Economic and Demographic Research Data, BOY-Beginning of Year, EOY-End of Year

Month	State EDR 2019 Projection Straightlined *	County's 2019 Projection	Actuals 2019	State EDR 2018 Projection Straightlined *	County's Revised 2018 Projection	Actuals 2018	State EDR 2017 Projection Straightlined *	County's Original 2017 Projection	Actuals 2017
BOY	\$83,292,436	\$77,199,143	\$78,716,647	\$33,913,852	\$31,992,064	\$32,072,164	\$0	\$0	\$0
Oct	\$87,549,685	\$81,121,631	\$81,926,390	\$38,028,734	\$35,832,746	\$35,300,032	\$0	\$0	\$0
Nov	\$91,806,934	\$85,044,119	\$85,225,970	\$42,143,616	\$39,593,327	\$38,647,632	\$0	\$0	\$0
Dec	\$96,064,183	\$88,966,607	\$90,640,944	\$46,258,498	\$43,353,909	\$43,870,270	\$0	\$0	\$0
Jan	\$100,321,432	\$92,889,095	\$93,950,291	\$50,373,380	\$47,114,490	\$47,150,412	\$3,768,206	\$2,777,778	\$3,059,013
Feb	\$104,578,681	\$96,811,583	\$97,296,142	\$54,488,262	\$50,875,072	\$50,484,322	\$7,536,412	\$5,555,556	\$6,217,230
Mar	\$108,835,930	\$100,734,071	\$102,671,360	\$58,603,144	\$54,635,653	\$55,782,660	\$11,304,617	\$8,333,334	\$10,686,395
Apr	\$113,093,179	\$104,656,559	\$106,219,161	\$62,718,026	\$58,396,235	\$59,191,675	\$15,072,823	\$11,111,112	\$13,941,510
May	\$117,350,428	\$108,579,047	\$109,784,828	\$66,832,908	\$62,156,817	\$62,444,639	\$18,841,029	\$13,888,890	\$17,177,137
Jun	\$121,607,677	\$112,501,535		\$70,947,790	\$65,917,398	\$67,409,450	\$22,609,235	\$16,666,668	\$21,754,009
Jul	\$125,864,926	\$116,424,023		\$75,062,672	\$69,677,980	\$70,776,206	\$26,377,441	\$19,444,446	\$24,898,729
Aug	\$130,122,175	\$120,346,511		\$79,177,554	\$73,438,561	\$74,021,947	\$30,145,647	\$22,222,224	\$27,890,034
Sept	\$134,379,424	\$124,268,999		\$83,292,436	\$77,199,143	\$78,716,647	\$33,913,852	\$25,500,000	\$32,072,164

Save Our Indian River Lagoon - FY 2019

Quarterly Financial Statement

Date Range 09 May 2019 - 08 August 2019

Fund 1260

*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; **Contracted with Municipalities data is derived from Contract Management System; ***Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

Revenues	Budget	Total Assigned YTD*	% Earned
Taxes	\$ 46,088,184	\$ 27,502,513	59.67%
Interest Earned	\$ 1,404,635	\$ 1,212,467	86.32%
Sale of Surplus County Furniture and Equipment	\$ -	\$ 2,063	
Insurance Claims	\$ -	\$ -	
Federal Grants	\$ 1,357,269	\$ -	
State Grants	\$ 226,212	\$ -	
Cost Sharing - SJRWMD	\$ -	\$ -	
Statutory Reduction	\$ (2,453,815)	\$ -	
Balance Forward	\$ 75,618,341	\$ 75,618,341	
Total	\$ 122,240,826	\$ 104,335,385	

Expenditures (Roll-Up)	Budget	Total Assigned YTD*	Actuals
Compensation & Benefits	\$ 460,338	\$ 393,881	\$ 372,606
Operating Expenses	\$ 216,051	\$ 159,247	\$ 110,170
Capital Outlay	\$ 5,774	\$ -	\$ -
Transfers	\$ -	\$ -	\$ -
SOIRL Projects funded under Operating Expenses	\$ 6,921,643	\$ 675,837	\$ 348,499
SOIRL Projects funded under Capital Improvement	\$ 43,160,603	\$ 2,760,129	\$ 545,794
SOIRL Projects funded under Aid to Gov't Agencies	\$ 41,713,123	\$ 4,490,477	\$ 654,525
SOIRL Projects funded under Aid to Private Organizations	\$ 716,800	\$ 10,680	\$ 10,680
Contingency	\$ 5,509,896	\$ -	\$ -
Reserves	\$ 35,941,963	\$ -	\$ -
Total	\$ 134,646,191	\$ 8,490,251	\$ 2,042,274

*Total Assigned YTD-Year to Date, includes all stages of accounting for expenditures, with data derived from Systems, Applications and Products program; **Contracted with Municipalities data is derived from Contract Management System; ***Reimbursement requests expected in later fiscal years; SOIRL-Save Our Indian River Lagoon; CM-Contract Management System; BRL-Banana River Lagoon; NIRL-North Indian River Lagoon; CIRL-Central Indian River Lagoon

Project Title SOIRL Projects funded under Operating Expenses	Contracted**	Budget	Total Assigned YTD*	Actuals
1/2-Project Monitoring (Respond) CM's: 3972, 3971, 3959, 3690, 3979, 3973, 4047, 4101	\$ 465,884	\$ 1,951,462	\$ 465,884	\$ 239,810
1/2-Community Awareness Initiatives	\$ 15,000	\$ 46,147	\$ 15,000	\$ 13,763
1/2-Fertilizer Management Public Education	\$ 147,138	\$ 176,625	\$ 147,138	\$ 61,820
A1/2-Grass Clippings Public Education CM-3969	\$ 20,000	\$ 40,650	\$ 20,000	\$ 20,000
Unfunded A1/2-Excess Irrigation Public Education	\$ -	\$ 100,813	\$ -	\$ -
Unfunded A1/2-Stormwater Pond Maintenance Public Education	\$ -	\$ 100,813	\$ -	\$ -
A1/2-Septic System Maintenance Public Education	\$ 27,815	\$ 100,813	\$ 27,815	\$ 13,107
1/2-Septic Upgrades-BRL-50 Upgrades	\$ -	\$ 813,520	\$ -	\$ -
1/2-Septic Upgrades-NIRL-75 Upgrades	\$ -	\$ 1,220,800	\$ -	\$ -
1/2-Septic Upgrades-CIRL- 94 Upgrades	\$ -	\$ 1,530,000	\$ -	\$ -
A1-Sewer Laterals Pilot Project	\$ -	\$ 840,000	\$ -	\$ -
<i>SOIRL Projects funded under Operating Expenses Subtotal</i>	\$ 675,837	\$ 6,921,643	\$ 675,837	\$ 348,499

Project Title SOIRL Projects funded under Capital Improvement	Contracted**	Budget	Total Assigned YTD*	Actuals
0/2-Septic Removal-BRL-Sykes Creek M CM-3838	\$ 188,000	\$ 1,139,575	\$ 188,000	\$ 29,600
0-Septic Removal-BRL-Sykes Creek T CM-3839	\$ 280,500	\$ 300,000	\$ 280,500	\$ 54,600
0/1-Septic Removal-NIRL-South Central C CM-3840	\$ 373,163	\$ 2,640,000	\$ 373,163	\$ 97,065
S0-Septic Removal-CIRL-Micco Sewer Line Extension CM-3831, CM-3709, CM-3678	\$ 71,940	\$ 1,267,036	\$ 71,940	\$ 13,800
1-Septic Removal-BRL-Sykes Creek N CM-3830	\$ 47,090	\$ 1,700,682	\$ 47,090	\$ 25,443
Unfunded 0/2-Muck Removal-NIRL-Mims Outflow CM-3832	\$ -	\$ 400,000	\$ -	\$ -
1/2-Muck Removal-NIRL-Grand Canal Muck Dredging	\$ -	\$ 1,500,000	\$ -	\$ -
1/2-Muck Removal-NIRL-Eau Gallie Muck Dredging CM-3975	\$ 12,470	\$ 7,033,530	\$ 12,470	\$ 12,525

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Project Title SOIRL Projects funded under Capital Improvement Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
1/2-Muck Removal-BRL-Sykes Creek Muck Dredging CM-3833	\$ 208,728	\$ 2,018,783	\$ 8,728	\$ -
A1-Muck Removal-CIRL-Turkey Creek Muck Dredging CM-3966, 3967, COMPLETE	\$ 680,696	\$ 688,494	\$ 680,696	\$ 54,462
A1-Muck Removal-BRL-Merritt Island Muck Dredging Phase I	\$ 8,728	\$ 1,018,783	\$ 8,728	\$ -
A1-Muck Removal-NIRL-Titusville Muck Dredging CM-3975	\$ 151,288	\$ 433,530	\$ 151,288	\$ 80,235
Unfunded A1-Muck Removal-IRL- Melbourne Causeway Muck Dredging	\$ -	\$ 481,474	\$ -	\$ -
Unfunded 2-Muck Removal-BRL-8% Canals Muck Dredging	\$ -	\$ 4,600,000	\$ -	\$ -
Unfunded 2-Muck Removal-BRL-Mathers Area Muck Dredging	\$ -	\$ 3,000,000	\$ -	\$ -
S0-Stormwater Projects-NIRL-Huntington Pond Denitrification CM-4015	\$ 13,390	\$ 104,720	\$ 13,390	\$ 2,259
S0-Stormwater Projects-NIRL-Flounder Creek Pond CM-3907	\$ 7,117	\$ 59,581	\$ 7,118	\$ 4,920
S0-Stormwater Projects-NIRL-John Roads Pond CM-3906	\$ 7,117	\$ 94,042	\$ 7,118	\$ 1,544
S0-Stormwater Projects-NIRL-Kingsmill- Aurora Phase II ***	\$ -	\$ -	\$ -	\$ -
1-Stormwater Projects-BRL-Basin 989 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
Unfunded 1-Stormwater Projects-BRL- Basin 1071 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
Unfunded 1-Stormwater Projects-BRL- Basin 1172 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
Unfunded 1-Stormwater Projects-BRL- Basin 1222 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
Unfunded 1-Stormwater Projects-NIRL- Basin 1318 Denitrification	\$ -	\$ 100,000	\$ -	\$ -
Unfunded 2-Stormwater Projects-NIRL- Denitrification Basin	\$ -	\$ 10,000	\$ -	\$ -
Unfunded 2-Stormwater Projects-BRL- Denitrification Basin	\$ -	\$ 100,000	\$ -	\$ -
Unfunded 2-Stormwater Projects-CIRL- Denitrification Basin	\$ -	\$ 10,000	\$ -	\$ -
2-Stormwater Projects-BRL-Basin 1349 Denitrification CM-4273	\$ 19,975	\$ 100,000	\$ 19,975	\$ 12,993
2-Stormwater Projects-BRL-Basin 1409 Denitrification CM-4274	\$ 19,980	\$ 100,000	\$ 19,980	\$ 14,473

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Project Title SOIRL Projects funded under Capital Improvement Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
Unfunded 1-Oyster Reef Living Shoreline-BRL-Marsh Harbor	\$ -	\$ 47,350	\$ -	\$ -
1-Oyster Reef Living Shoreline-CIRL-Riverview Senior Resort CM-3806 Completed Year 1, Fiscal Year 17/18	\$ -	\$ 15,152	\$ -	\$ -
1-Oyster Reef Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 179,930	\$ -	\$ -
A1-Plants Living Shoreline-NIRL-Indian River Drive	\$ -	\$ 22,860	\$ -	\$ -
A2-Oyster Reef Living Shoreline-BRL	\$ -	\$ 472,186	\$ -	\$ -
A2-Oyster Reef Living Shoreline-NIRL	\$ -	\$ 488,210	\$ -	\$ -
A2-Oyster Reef Living Shoreline-CIRL	\$ -	\$ 91,115	\$ -	\$ -
A2- Plants Living Shoreline-BRL	\$ -	\$ 59,623	\$ -	\$ -
A2- Plants Living Shoreline-NIRL	\$ -	\$ 62,802	\$ -	\$ -
A2- Plants Living Shoreline-CIRL	\$ -	\$ 15,780	\$ -	\$ -
<i>SOIRL Projects funded under Capital Improvement Subtotal</i>	<i>\$ 2,090,182</i>	<i>\$ 30,755,238</i>	<i>\$ 1,890,183</i>	<i>\$ 403,918</i>

Project Title SOIRL Projects funded under Aid to Gov't Agencies	Contracted**	Budget	Total Assigned YTD*	Actuals
0/1/2-Waste Water Treatment Facility Upgrades-NIRL-Titusville Osprey CM-3627	\$ 909,414	\$ 8,195,000	\$ 909,414	\$ 72,134
1/2-Waste Water Treatment Upgrade-CIRL-Palm Bay CM-3934	\$ 156,427	\$ 1,435,652	\$ 876,427	\$ 101,679
2-Waste Water Treatment -CIRL-Melbourne Grant Street	\$ -	\$ 5,919,837	\$ -	\$ -
A1-Muck Removal-BLR-Cocoa Beach Phase III Muck Dredging & Interstitial CM-3986	\$ 632,645	\$ 1,317,719	\$ 632,645	\$ 387,533
A1-Muck Removal-BLR-Indian Harbour Beach Muck Dredging & Interstitial	\$ -	\$ 5,707,768	\$ -	\$ -
S0-Septic Removal-NIRL-MIRA	\$ 211,438	\$ 211,438	\$ -	\$ -
S0-Septic Removal-CIRL-Melbourne-Hoag Sewer Conversion CM-3932 ***	\$ 86,061	\$ 86,031	\$ 86,031	\$ -
S0-Septic Removal-CIRL-Melbourne-Penwood Sewer Conversion CM-3789	\$ 40,632	\$ 40,632	\$ 40,632	\$ -

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Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
1-Septic Removal-CIRL-Palm Bay B (moved to outer years)	\$ -	\$ 4,700,000	\$ -	\$ -
Unfunded 1-Septic Removal-CIRL-Palm Bay Sewer Hook-Ups	\$ -	\$ 7,764,000	\$ -	\$ -
A1-Septic to Sewer-CIRL-Melbourne- Riverside Drive	\$ -	\$ 265,960	\$ -	\$ -
2-Septic Removal-NIRL-Cocoa K	\$ -	\$ 702,100	\$ -	\$ -
2-Septic Removal-CIRL-Melbourne (moved to outer years)	\$ -	\$ 247,000	\$ -	\$ -
A2-Septic to Sewer-CIRL-West Melbourne-Sylvan Estates CM-3985	\$ 916,540	\$ 935,656	\$ 916,540	\$ 72,324
A2-Septic to Sewer-CIRL-West Melbourne-Roxy Avenue	\$ -	\$ 91,835	\$ -	\$ -
Withdrew S0-Stormwater Project-BRL- Cape Canaveral-Cocoa Palms LID	\$ -	\$ 1,144	\$ -	\$ -
S0-Stormwater Project-BRL-Cape Canaveral-Carver Cove Swale	\$ -	\$ 2,816	\$ -	\$ -
S0-Stormwater Project-NIRL-Cocoa- Church St Type II Baffle Box CM-4169	\$ 20,856	\$ 20,856	\$ 20,856	\$ 20,856
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Cape Shores Swale	\$ -	\$ 2,746	\$ -	\$ -
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Justamere Road Swale	\$ -	\$ 528	\$ -	\$ -
S0-Stormwater Projects-BRL-Cape Canaveral Projects-Hitching Post Berms Swale	\$ -	\$ 2,552	\$ -	\$ -
S0-Stormwater Projects-NIRL-Titusville- St Teresa Basin CM-3929	\$ 322,200	\$ 272,800	\$ 42,800	\$ -
S0-Stormwater Projects-NIRL-Titusville- South Street Basin CM-3908	\$ 86,856	\$ 86,856	\$ 86,856	\$ -
S0-Stormwater Projects-NIRL-Titusville- La Paloma Basin CM-3933 ***	\$ 208,296	\$ 208,296	\$ 208,296	\$ -
S0-Stormwater Projects-NIRL- Melbourne-Cliff Creek Baffle Box CM- 3931 ***	\$ 347,781	\$ 347,781	\$ 347,781	\$ -
S0-Stormwater Projects-NIRL- Melbourne-Thrush Drive Baffle Box CM- 3930 ***	\$ 322,200	\$ 322,200	\$ 322,200	\$ -
S0-Stormwater Projects-CIRL- Melbourne-Stewart Rd Dry Retrofit	\$ -	\$ 18,345	\$ -	\$ -
A1-Stormwater Project-BRL-Indian Harbour Beach-Big Muddy Baffle Box	\$ -	\$ 26,638	\$ -	\$ -
A2-Stormwater Project-BLR-Cocoa Beach-Blakey Blvd	\$ -	\$ 3,017	\$ -	\$ -

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Project Title SOIRL Projects funded under Aid to Gov't Agencies Cont'd	Contracted**	Budget	Total Assigned YTD*	Actuals
A2-Stormwater Project-BLR-Cocoa Beach-Dempsey	\$ -	\$ 2,934	\$ -	\$ -
A2-Stormwater Projects-CIRL-Melbourne-Apollo/GA Baffle Box	\$ -	\$ 307,191	\$ -	\$ -
A2-Stormwater Projects-CIRL-Melbourne-Grant Place Baffle Box	\$ -	\$ 85,162	\$ -	\$ -
A2-Stormwater Projects-CIRL-SJRWMD-Melbourne-Crane Creek/M-1 Canal	\$ -	\$ 2,100,047	\$ -	\$ -
S0-Oyster/Living Shorelines-CIRL-Palm Bay-Turkey Creek Shoreline Restoration	\$ -	\$ 113,500	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ -	\$ 34,056	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-Cocoa Beach-McNabb	\$ -	\$ 5,760	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ -	\$ 108,790	\$ -	\$ -
A1-Plants/Living Shorelines-NIRL-Melbourne-Riverview Park	\$ -	\$ 18,480	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Gov't Agencies Subtotal</i>	\$ 4,261,345	\$ 41,713,123	\$ 4,490,477	\$ 654,525

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Project Title SOIRL Projects funded under Aid to Private Organizations	Contracted**	Budget	Total Assigned YTD*	Actuals
A1-Oyster/Living Shorelines-BRL-Zoo-Merritt Island-Eden Isles Lane	\$ -	\$ 21,805	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Indian Harbour Beach-Marina Isles	\$ -	\$ 26,700	\$ -	\$ -
A1-Oyster/Living Shorelines-BRL-Zoo-Cocoa Beach-Bettinger CM-4272	\$ 10,680	\$ 10,680	\$ 10,680	\$ 10,680
A1-Oyster/Living Shorelines-BRL-Zoo-Gitlin	\$ -	\$ 16,020	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Bomalaski CM-4005 Completed Year 1, Fiscal Year 17/18	\$ 8,900	\$ 8,900	\$ -	\$ -
A1-Oyster/Living Shorelines-NIRL-Zoo-Merritt Island-Oliver	\$ -	\$ 51,620	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Coconut Point/EELS	\$ -	\$ 509,950	\$ -	\$ -
A1-Oyster/Living Shorelines-CIRL-Zoo-Melbourne Beach-Wexford	\$ -	\$ 31,150	\$ -	\$ -
A1-Plants/Living Shorelines-BRL-MRC-Cocoa Beach Country Club CM-4002 Completed Year 1, Fiscal Year 17/18	\$ 16,080	\$ 16,014	\$ -	\$ -
A1-Plants/Living Shorelines-CIRL-MRC-Lagoon House CM-4003 Completed Year 1, Fiscal Year 17/18	\$ 24,000	\$ 23,961	\$ -	\$ -
<i>SOIRL Projects funded under Aid to Private Organizations</i>	<i>\$ 59,660</i>	<i>\$ 716,800</i>	<i>\$ 10,680</i>	<i>\$ 10,680</i>
SOIRL Projects Total	\$ 7,087,025	\$ 80,106,804	\$ 7,067,177	\$ 1,417,622



Save Our Indian River Lagoon
Citizen Oversight Committee
August 16, 2019

Agenda Item:

VII. a. Old Business

Title:

Revised cost share eligibility by project type and by location for stormwater treatments proposed for the 2020 Save Our Indian River Lagoon Project Plan Update

Requested Action:

Motion to recommend offering the proposed cost shares for recruiting project proposals for the 2020 Save Our Indian River Lagoon Project Plan Update

Summary Explanation and Background:

Draft cost shares are based on the average cost of each project type approved in the Save Our Indian River Lagoon Project Plan, as amended in 2019, with the following additional considerations:

- The cost share for Treatment Upgrades for Reclaimed Water has been updated to reflect the July 19, 2019 recommendation of the Citizen Oversight Committee to increase funding for the Palm Bay North Regional Water Reclamation Facility Nutrient Removal Project.
- The cost share for Septic System Removal by Sewer Extension reflects the Board of County Commissioner's approved rate of up to \$1500 per pound of nitrogen load reduction for septic to sewer projects.
- The cost shares offered for Stormwater Treatment Projects further consider the average cost by project location - \$112 on the Mainland, \$162 on Merritt Island and \$140 on the Beaches, respectively.

Project Category	Project Type	Estimated Total Project Cost	Nitrogen Reductions (lbs/yr)	Average Cost per Pound per Year of TN
Reduce	Treatment Upgrades for Reclaimed Water	\$26,306,400	70,064	\$375
Reduce	Sewer Lateral Rehabilitation	\$1,040,000	1,628	\$639
Reduce	Rapid Infiltration Basin/Sprayfield Upgrades	\$3,520,767	48,562	\$73
Reduce	Septic System Removal by Sewer Extension	\$80,674,749	74,930	\$1500
Reduce	Septic System Removal by Sewer Connection	\$11,370,000	21,445	\$500
Reduce	Septic System Upgrades	\$21,701,854	25,248	\$860
Reduce	Stormwater Projects	\$40,045,632	315,490	\$127
Remove	Muck Removal	\$106,345,686	219,460	\$485
Remove	Treatment of Muck Interstitial Water	\$43,887,885	430,245	\$102
Restore	Oyster Bars	\$10,108,723	25,302	\$400
Restore	Planted Shorelines	\$95,255	397	\$240
Total	Total	\$371,686,404	1,263,194	\$294 (average)



Save Our Indian River Lagoon
Citizen Oversight Committee
August 16, 2019

Agenda Item:

VIII. a. New Business

Title:

Request for Additional Funding for the Brevard County Basin #2134 Fleming Grant Biosorption Activated Media Project

Requested Action:

Motion to recommend to the County Manager's Office approval of additional funding for the Brevard County Basin #2134 Fleming Grant Biosorption Activated Media Project

Summary Explanation and Background:

The Brevard County Basin #2134 Fleming Grant Biosorption Activated Media Project was included in the 2019 Save Our Indian River Lagoon Project Plan Update. At the time of application, the engineer's cost estimate was \$31,800 to construct the project. An updated cost estimate puts the actual construction costs at \$80,100 for a difference of \$48,300.

The project's estimated nitrogen removal is 602 pounds per year which made it eligible for \$56,588 of Lagoon Tax Funding. The amount initially requested from the Lagoon Tax was \$16,800 after grant funding reductions. It is requested that the Save Our Indian River Lagoon funding be increased by \$39,788 to capture the full eligibility amount of \$56,588. The balance of project costs will be covered by the FDEP grant and Stormwater Utility funds.

If fully funded, the project can go to bid this fall as all design and permitting is complete. If not, the project will be delayed to allocate additional funding.



Natural Resources Management Department

2725 Judge Fran Jamieson Way
Building A, Room 219
Viera, Florida 32940

BOARD OF COUNTY COMMISSIONERS

Memo

TO: Virginia Barker, Director, Natural Resources Management Department
THROUGH: Bach McClure, Manager, NRM Stormwater Program
FROM: Jeff M. Rapolti Jr., P.E., Engineer, NRM Stormwater Program
DATE: July 18, 2019
SUBJECT: Request for remainder of eligible funding for Fleming Grant Biosorption Activated Media (BAM) #2134 Project

We respectfully request the remainder of the \$56,588 in eligible Cost Share funding from the Save Our Indian River Lagoon (SOIRL) Program that we initially applied for in association with the Fleming Grant Biosorption Activated Media (BAM) #2134 Project. The SOIRL funding to this project was reduced to \$16,800 because our engineer's construction cost was erroneously set at only \$31,800. The NRM Stormwater Program's Engineer of Record, Tetra Tech Inc., has provided the corrected Engineering Cost Estimate (attached) associated with the project as justification for the request. If accepted and approved, the total Save Our Indian River Lagoon project funding will increase by \$39,788 from \$16,800 to \$56,588.

This project is part of the Ditch Outfall Denitrification Capital Improvement Project that is partially funded by FDEP Contract LP0511A. The state grant provides \$700,000 to construct 20 Ditch Denitrification Bioreactors located throughout Brevard. This project is one of the 20 basin outfalls being treated to reduce the amount of pollution entering the Indian River Lagoon from stormwater runoff and groundwater baseflow. In the months following our initial application we were able to get the engineer to update the cost estimate to the correct amount of \$80,100 which brings our total estimated project cost to \$100,100; \$20,000 of which is associated with design and permitting. If accepted and approved the remaining \$23,512 of this projects construction funding will come from the aforementioned Florida Department of Environmental Protection grant.

Design and permitting for this project is complete; however, we are awaiting the completion of permitting for other projects to be bundled together for construction bidding.

Thank you for your consideration in this matter. We look forward to proceeding with bidding and construction of the project. Should you have any questions or concerns, please contact Jeff Rapolti (x56120), Robbyn Spratt (x56724), Bach McClure (x52409).

Sincerely,

Jeff M. Rapolti Jr., PE
Engineer

PRICE SHEET
PART "A"

Baseflow Basin Project(s)
BASIN OUTFALL 2134
DENITRIFICATION IMPROVEMENTS

Stormwater and Utilities Improvements

Line Number	Pay Item Number	Item Description	Estimated Quantity	Unit	Unit Price (In Numbers)	Total Price (In Numbers)
1	0101-1	Mobilization and Demobilization	1	Lump Sum	\$3,500.00	\$3,500.00
2	0102-1	Maintenance of Traffic	1	Lump Sum	\$5,000.00	\$5,000.00
3	0110-1-1	Clearing and Grubbing	1	Lump Sum	\$1,000.00	\$1,000.00
4	0120-3	Lateral Ditch Excavation	190	Cubic Yard	\$15.00	\$2,850.00
5	2000	Survey and Layout	1	Lump Sum	\$1,000.00	\$1,000.00
6	2100	Record Drawings	1	Lump Sum	\$1,500.00	\$1,500.00
7	2001	SWPP	1	Lump Sum	\$1,500.00	\$1,500.00
5	400-91	Dewatering for Spread Footings	1	Each	\$5,000.00	\$5,000.00
6	570-1-2	Performance Turf, Sod	260	Square Yard	\$6.00	\$1,600.00
7	0530-3-4	Riprap, Rubble, Furnish & Install, Geotextile Lining	20	Ton	\$95.00	\$1,900.00
8	533	F&I Bold and Gold CTS	220	Cubic Yard	\$203.00	\$44,700.00

Estimated Contingency (15%) \$10,500.00

TOTAL BASE BID AMOUNT = \$80,100.00

Notes:

1. All areas disturbed by construction are to be restored to match existing to equal or better condition.
2. The Contractor is to verify all quantities prior to BID.
3. Contractor is responsible for staging area and storage of materials.