



South Florida Water Management District

GOVERNING BOARD MONTHLY MEETING AGENDA

May 13, 2021

9:00 AM

via Communications Media Technology

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FINAL

1. Call to Order - Chauncey Goss, Chairman, Governing Board
2. Pledge of Allegiance
3. Employee Recognitions
 - May Employee of the Month: Lacramioara (Lacri) Ursu, Sr. Geographer
 - May Team of the Month: 8.5 Square Mile Area - Curtain Wall Project Team
 - 30-Year Service Award: Sally Kennedy, Supervisor, Operations Control Center
 - 30-Year Service Award: Mark Wilsnack, Section Leader, Hydraulic Design
 - 30-Year Service Award: Dana Winston-Pate, HR Generalist
4. Agenda Revisions
5. Agenda Item Abstentions by Board Members
6. Audit & Finance Committee Report - Jay Steinle, Chairman
7. Consider Approval of the Minutes for the April 7th Workshop, April 8th Monthly Meeting, April 22nd Special Meeting, and April 28th Lunch & Learn Workshop
8. General Public Comment
9. Board Comment

Consent Agenda

10. Move Consent Agenda Items to Discussion Agenda

11. Public Comment on Consent Agenda Items
12. Land Acquisition, Shingle Creek Project, Orange County (Staff contact, Stephen M. Collins)

Agenda Item Background:

Shingle Creek is generally considered to be the headwaters for the Everglades. The District has been acquiring land on a willing seller basis to preserve and protect this resource. Staff is seeking Governing Board approval to acquire a 2.57-acre property from a willing seller in the Shingle Creek Project area for a purchase price of \$71,960, which is below the appraised value of \$105,000. This proposed acquisition will be funded from the Wetland Mitigation Fund and the seller will be responsible for all closing costs. The District benefits by having more unified ownership interest in the Shingle Creek Project consistent with environmental goals that can be more efficiently managed by the District's Land Stewardship Section.

Recommended Action:

Resolution No. 2021 - 0501 Acquire land interests containing 2.57 acres, more or less, located in the Shingle Creek Project Area in Orange County, in the amount of \$71,960, for which dedicated funds (Wetland Mitigation Fund) have been budgeted in Fiscal Year 2020-2021.

13. Stipulation for Settlement and Final Judgment, Biscayne Bay Coastal Wetlands Project (Staff contact, Stephen M. Collins)

Agenda Item Background:

The Biscayne Bay Coastal Wetlands Project (Project) is a Comprehensive Everglades Restoration Plan (CERP) project. The Project restores the distribution of freshwater flows to southern Biscayne Bay, including Biscayne National Park, and improves salinity distribution near the shoreline. It will enhance the area's ecological health by helping to reestablish productive nearshore habitat, including nursery habitat for shrimp, shellfish and fish. The Project also provides improved recreational and educational opportunities in Biscayne Bay and the adjacent wetlands.

In 2019, the District obtained ownership of Tract 45800-015, containing approximately 9.96 acres, by Eminent Domain for the Project. Sindh Florida Corporation, the owner of the tract, stipulated to the order of taking and has reached a settlement with the District. Staff seeks authorization to enter into a Stipulated Final Judgment for \$191,480 including interest, attorney's fees, and expert fees and costs.

Recommended Action:

Resolution No. 2021 - 0502 Authorize a Settlement for the sum of \$191,480, inclusive of interest, attorneys' fees, expert fees and costs, for which dedicated funds (Florida Forever Surplus Revenue) are budgeted in Fiscal Year 2020-2021, and authorize the Executive Director to execute a Stipulation for Settlement and Final Judgment in a condemnation action to acquire 9.96 acres, more or less, (Tract 45800-015, owned by Sindh Florida Corporation) within the Biscayne Bay Coastal Wetlands Project, styled South Florida Water Management District v. Anand Nandwani, Sunil Nandwani, et al., filed in the 11th Judicial Circuit in and

for Miami-Dade County, Florida, Case No. 2018-017515-CA-01.

14. Environmental Risk Assessment Services Contracts (Staff contact, Stephen M. Collins)

Agenda Item Background:

This item is a request to authorize amendments to increase the not-to-exceed thresholds for four environmental risk assessment services contracts by \$500,000 each. The increases are needed to address additional unplanned environmental and ecological assessment activities resulting from accelerated timelines for initiation and construction of various District projects. These contracts support the design and implementation of the Everglades Restoration Strategies Regional Water Quality Program Projects including the Everglades Agricultural Area (EAA) Storage Reservoir and Stormwater Treatment Area (STA) A-2 Project, the STA-1 West Expansion Projects, the C-43 Reservoir, the C-44 Reservoir/STA Project, the C-139 Annex Restoration Project, the Dispersed Water Storage program and Land Management staff for routine contaminant issues. These contracts are in the second of two 1-year renewals following their initial three-year terms which began in September 2016. This request does not allocate or award funds specific to a project, but merely increases the contract not-to-exceed threshold for the remainder of each contract term.

- A. Terracon Consultants, Inc.

Agenda Item Background:

This is a request to authorize an amendment to the contract with Terracon Consultants, Inc. to increase the not-to-exceed threshold for environmental risk assessment services work order contract by \$500,000, from the current amount of \$1,650,000 to \$2,150,000.

Recommended Action:

Resolution No. 2021 - 0503 Authorize an amendment with Terracon Consultants, Inc., for environmental risk assessment services, to increase the Contract not-to-exceed threshold amount from \$1,650,000 to \$2,150,000. (Contract Number 4600003427)

- B. Professional Service Industries, Inc.

Agenda Item Background:

This is a request to authorize an amendment to the contract with Professional Service Industries, Inc. to increase the not-to-exceed threshold for environmental risk assessment services work order contract by \$500,000, from the current amount of \$2,550,000 to \$3,050,000.

Recommended Action:

Resolution No. 2021 - 0504 Authorize an amendment with Professional Service Industries Inc., for environmental risk assessment services, to increase the Contract not-to-exceed threshold amount from \$2,550,000 to \$3,050,000. (Contract Number 4600003428)

- C. Environmental Consulting and Technology, Inc.

Agenda Item Background:

This is a request to authorize an amendment to the contract with Environmental Consulting and Technology, Inc. to increase the not-to-exceed threshold for

environmental risk assessment services work order contract by \$500,000 from the current amount of \$2,400,000 to \$2,900,000.

Recommended Action:
Resolution No. 2021 - 0505 Authorize an amendment with Environmental Consulting and Technology, Inc., for environmental risk assessment services, to increase the Contract not-to-exceed threshold amount from \$2,400,000 to \$2,900,000. (Contract Number 4600003423)

D. AECOM Technical Services, Inc.

Agenda Item Background:

This is a request to authorize an amendment to the contract with AECOM Technical Services, Inc. to increase the not-to-exceed threshold for environmental risk assessment services work order contract by \$500,000, from the current amount of \$2,640,000 to \$3,140,000.

Recommended Action:
Resolution No. 2021 - 0506 Authorize an amendment with AECOM Technical Services, Inc., for environmental risk assessment services, to increase the Contract not-to-exceed threshold amount from \$2,640,000 to \$3,140,000. (Contract Number 4600003425)

15. Florida Fish & Wildlife Conservation Commission, Cooperative Revenue Agreement (Staff contact, Stephen Collins)

Agenda Item Background:

In executing the District's mission of protecting Florida's native ecosystems from invasive plants, the District receives funding from multiple sources, one of which is the Florida Fish and Wildlife Conservation Commission (FWC). Structured as a cooperative revenue agreement, the existing 10-year agreement, which has funded \$27 Million for invasive plant control, is set to expire on June 30, 2021. The result of this long-standing partnership has provided remarkable gains in the effort to reach maintenance control of invasive plants in Water Conservation Areas 2 and 3 and other District-managed natural areas. Staff is seeking Governing Board approval to enter into a new 10-year agreement with FWC for reimbursement of upland invasive plant control expenditures including, but not limited to melaleuca, Brazilian pepper, Old World climbing fern, and other invasive plant species.

Through this agreement, FWC has agreed to support the District's invasive plant control funding in concert with our ongoing integrated pest management and herbicide reduction strategies, in an amount not-to-exceed \$40,000,000 for the next ten years under the FWC aid-to-local government category.

Recommended Action:
Resolution No. 2021 - 0507 Authorize entering into a 10-year cooperative revenue agreement with the Florida Fish and Wildlife Conservation Commission for the purpose of Upland Exotic Control of melaleuca and other invasive species, in an amount not-to-exceed \$40,000,000 for the next ten years as reimbursement to the District. (Contract Number 4600004406)

16. Right of Way Occupancy Permit Requests (Staff contact, Rich Virgil)

Agenda Item Background:

Flying G Homeowners Association (Application Number 20-0501-2) requests a Standard Right of Way Occupancy Permit to construct a concrete boat ramp within the east right of way of the L-47 Canal. The proposed boat ramp will be for private use by the residents of the community and accessed from a private roadway/cul-de-sac within the subdivision. The application has been reviewed by District Field Operations and the U.S. Army Corps of Engineers (USACE), which has granted Section 408 authorization for the proposed boat ramp. The proposed boat ramp complies with all District requirements and no waivers of any rules are necessary. The District authorizes boat ramps by issuing a Standard Right of Way Occupancy Permit, which is a permit type that must be approved by the District's Governing Board. If approved, the boat ramp will not impact the District's ability to perform operations, maintenance, or construction within the right of way.

Recommended Action:

Approve issuance of Standard Right of Way Occupancy Permit No. 15770 (Application No. 20-0501-2).

17. Central Everglades Planning Project, Everglades Agricultural Area Reservoir and Stormwater Treatment Area Project (Staff contact, Jennifer Reynolds)

Agenda Item Background:

The Central Everglades Planning Project (CEPP) Everglades Agricultural Area (EAA) Reservoir and Stormwater Treatment Area (STA) Project will help dramatically reduce the volume of damaging discharges from Lake Okeechobee to the coastal estuaries for flood protection purposes. It will also provide storage, treatment, and conveyance for an average of 370,000 acre-feet of additional water to the Southern Everglades each year.

Execution of both Local Funding Agreements (LFAs), and both Escrow Agreements, is required to enable Florida Department of Transportation (FDOT) to begin design of the CEPP EAA US-27 Bridges Component.

A. CEPP EAA - US-27 Bridges Project Component, Locally Funded Agreement for Consultant Mitigation Services

Agenda Item Background:

Buildout for the STA portion of the project is fully designed and permitted, and the Governing Board has [to date] authorized a total of \$200,482,866 for construction of the STA and related facilities. As part of the EAA Reservoir and STA Project, the District and USACE will collectively construct an approximately 12-mile long, 3,000 CFS Inflow-Outflow Canal (I-O) which will run along the northern sides of the EAA/STA complex from the North New River (NNR) Canal [west] to the Miami Canal, in western Palm Beach County. Approximately 4.1 miles of the I-O Canal adjacent to the STA are currently under construction by the District and are anticipated to be completed in November 2021. The USACE's final design for the approximately 7.3 miles of I-O Canal adjacent to the Reservoir is currently being reviewed by District staff, and a contract for the USACE's construction is targeted for awarded in September 2021.

Execution of this LFA with FDOT, and associated Escrow Agreement, in the amount of \$324,000 will require Governing Board approval. The LFA with FDOT allows the District to fund Mitigation Services related to the reconstruction of a portion of US Hwy 27 as two parallel bridges over the Inflow-Outflow (I-O) Canal as envisioned in the Board approved March 2018 CEPP Post Authorization Change Report (PACR).

Recommended Action:
Resolution No. 2021 - 0508 Authorize entering into an Agreement with the Florida Department of Transportation (FDOT) to provide financial assistance to the FDOT for Mitigation Services for FDOT's roadway / bridge construction of SR25/US-27 at 27 miles North of the I-75/US-27 Interchange in Palm Beach County, in an amount of \$324,000 for which dedicated funds (Land Acquisition Trust Fund) are budgeted in Fiscal Year 2020-2021. (Contract Number 4600004414)

- B. CEPP EAA - US-27 Bridges Project Component - Locally Funded Agreement for FDOT In-house and Consultant Design Services

Agenda Item Background:

Buildout for the STA portion of the project is fully designed and permitted, and the Governing Board has [to date] authorized a total of \$200,482,866 for construction of the STA and related facilities. As part of the EAA Reservoir and STA Project, the District and USACE will collectively construct an approximately 12 mile long, 3,000 CFS Inflow-Outflow Canal which will run along the northern sides of the EAA/STA complex from the North New River (NNR) Canal [west] to the Miami Canal, in western Palm Beach County. Approximately 4.1 miles of the I-O Canal adjacent to the STA are currently under construction by the District and are anticipated to be completed in November 2021. The USACE's final design for the approximately 7.3 miles of I-O Canal adjacent to the Reservoir is currently being reviewed by District staff, and a contract for the USACE's construction is targeted for awarded in September 2021.

Execution of this Local Funding Agreement (LFA) with FDOT, and associated Escrow Agreement, in the amount of \$1,571,865 will require Governing Board approval. This LFA with FDOT will allow the District to fund the design for reconstruction of a portion of US Hwy 27 as two parallel bridges over the Inflow-Outflow (I-O) Canal as envisioned in the Governing Board approved March 2018 CEPP PACR.

Recommended Action:
Resolution No. 2021 - 0509 Authorize entering into an Agreement with the Florida Department of Transportation (FDOT) to provide financial assistance to FDOT for the development (in-house and consultant design) of a full set of signed and sealed roadway construction plans for FDOT's roadway / bridge construction of SR25/US-27 at 27 miles North of the I-75/US-27 Interchange in Palm Beach County; in amount of \$1,571,865 for which dedicated funds (Land Acquisition Trust Fund) are budgeted in Fiscal Year 2020-2021. (Contract Number 4600004411)

18. United States Geological Survey - Lake Okeechobee Watershed Restoration Project, Aquifer Storage and Recovery Well Program and Science Plan (Staff contact, Jennifer Reynolds)

Agenda Item Background:

The Aquifer Storage and Recovery (ASR) Science Plan indicates additional research is

needed to determine aquifer suitability for ASR Well Clusters. A United States Geological Survey (USGS) Statement of Work (SOW) for a Fracture Porosity Study and a Bioclogging Study have been prepared to address ASR Well uncertainties. This work supports the District's effort to receive Underground Injection Control permits as ASR well clusters are built out.

A. Bioclogging Study of the Aquifer

Agenda Item Background:

The Bioclogging SOW is a study of microbiological, chemical, and physical factors that contribute to clogging the aquifer matrix in the ASR storage zone. This agreement for \$467,126.01 is expected to be complete by December 31, 2023.

Recommended Action:

Resolution No. 2021 - 0510 Authorize entering into an agreement with the United States Geological Survey for a Bioclogging Study of the Aquifer for the Lake Okeechobee Watershed Restoration Project, Aquifer Storage and Recovery Well Program and Science Plan, in the amount of \$467,126.01, for which dedicated funds (State General Revenue) are budgeted in Fiscal Year 2020-2021. (Contract Number 460004412)

B. Fracture Porosity Study

Agenda Item Background:

The Fracture Porosity SOW is for a study to evaluate the risk of utility failure, an improved understanding of the hydrogeologic framework, and physical and hydraulic properties of the Floridan Aquifer System is needed, as well as evaluation of the storage capacity of hydrogeologic ASR targets and characterization of bounding confining units. The District's contribution to this agreement is \$450,278 and is expected to be complete by December 31, 2022.

Recommended Action:

Resolution No. 2021 - 0511 Authorize entering into an agreement with the United States Geological Survey (USGS) for a Fracture Porosity Study for the Lake Okeechobee Watershed Restoration Project (LOWRP), Aquifer Storage and Recovery (ASR) Well Program and Science Plan, in the amount of \$900,556 of which \$450,278 is the District's contribution, for which dedicated funds (State General Revenue) are budgeted in Fiscal Year 2020-2021. (Contract Number 460004413)

19. Indian River Lagoon South C-23/C-24 Stormwater Treatment Area Required Local Agreements (Staff contact, Jennifer Reynolds)

Agenda Item Background:

The C-23/24 STA is a component of the Indian River Lagoon-South (IRL-S) project located in St. Lucie County north of SR 70 and east of the C-24 Canal. The C-23/24 components of the IRL-S include the STA and two reservoirs that are being designed and will be constructed by the USACE. These reservoirs will capture excess water from the C-23 and C-24 basins that would otherwise be delivered to the St. Lucie Estuary and Indian River Lagoon. The STA will receive water from the C-23/24 North Reservoir and divert a portion of the water east to the North Fork St. Lucie River. Two St. Lucie County

Roads are located adjacent to or within the STA boundary. County Road (CR) 609 (also known as Header Canal Road) is located along the eastern boundary of the STA, while CR 613 (also known as Sneed Road) extends through the STA itself. Both CR 613 and CR 609 are connector roads that are evacuation routes for the citizens of St. Lucie County. The District is responsible for providing and certifying the lands necessary to construct the project.

A. Memorandum of Understanding with St. Lucie County

Agenda Item Background:

This Memorandum of Understanding (“Agreement”) addresses an exchange of property (easements and fee) to allow construction within the existing road rights-of-way and to maintain St. Lucie County’s current and future obligation to provide adequate transportation and evacuation routes for its residents. Pursuant to the Agreement, the District will convey fee title land interests to St. Lucie County containing 35.45 acres, more or less, subject to it being used solely as a public road right of way (the “District Fee Interest”), in exchange for St. Lucie County granting to the District temporary construction easement interests containing 12.18 acres, more or less, and perpetual easement interests containing 1.6 acres, more or less, (collectively, the “Easement Interests”). The Agreement provides that for purposes of the exchange, the value of the District Fee Interest is equal to the value of the Easement Interests.

Recommended Action:

Resolution No. 2021 - 0512 Authorize entering into a Memorandum of Understanding with St. Lucie County for the purpose of supporting an exchange of land interests associated with the C-23/24 STA project; approve declaring surplus for exchange and conveyance to St. Lucie County fee title land interests containing 35.45 acres, more or less, together with any structures and improvements and personal property appurtenant thereto, in exchange for St. Lucie County granting to the District temporary construction easement interests containing 12.18 acres, more or less, and perpetual easement interests containing 1.6 acres, all in St. Lucie County in connection with the C-23/24 STA Project, plus associated costs. (Contract Number 4600004178)

B. Agreement with North St. Lucie River Water Control District

Agenda Item Background:

The parties are still negotiating this Agreement, which primarily constitutes an exchange of property (easements and fee) that is necessary for the District to certify the lands to the USACE for construction of the STA. The NSLRWCD will convey to the District fee title interest to approximately 51.57 acres for \$310,000. NSLRWCD will also convey to the District a temporary construction easement for approximately 30.22 acres that are adjacent to the STA, for \$73,000, and a perpetual easement of 0.574 acres for construction, operation and maintenance of the S-441 water control structure that discharges into Canal 71, for \$700. All three proposed acquisitions are at appraised value.

The draft Agreement recognizes that the remnant of NSLRWCD’s Canal 70 is located outside the STA boundary, and will be connected via a new canal (“Connection Canal”) to Canal 69, located north of the STA to maintain the existing

flood control level of service for the area served by the remnant canal. The Connection Canal, containing approximately 8.81 acres, will be constructed by the District as a component of the project, and upon completion of the project will be conveyed by the District to the NSLRWCD for no consideration. NSLRWCD will assume maintenance and operation responsibilities for the Connection Canal. Additionally, upon completion of the project, NSLRWCD will convey perpetual easements for discharge structures associated with seepage control to Canals 69 and 70 on the north side of the project, and to Canal 73 on the south side of the project, for operation and maintenance of the S-441 structure which discharges from the STA into NSLRWCD's Canal 71, and for the construction of a boat ramp in Canal 71 to facilitate future water quality monitoring. When the exact locations and acreages of these latter perpetual easements are established, as they will collectively be no more than 2 acres and will be valued at the same appraised per acre value of the perpetual easement for the S-441 water control structure, the District will pay no more than \$2,400 consideration to NSLRWCD.

Other provisions in the draft Agreement include:

- reimbursement to the NSLRWCD for obligations associated with the review of the STA plans and specifications, acceptance of the construction of the Connection Canal, and negotiations regarding this agreement. This reimbursement for review fees is capped at \$100,000, with an additional \$50,000 to aid NSLRWCD in amending their Plan of Reclamation and Operation.
- a per annum payment for services for the discharge into the NSLRWCD system. This shall not exceed \$50,000.00 annually for the first three years of operation of the STA; thereafter, actual costs will be invoiced to reflect the true maintenance and operation expenses of the NSLRWCD after the STA is operational.

Recommended Action:

Resolution No. 2021 - 0513 Authorize the Executive Director to continue to negotiate and enter into an Agreement with the North St. Lucie County River Water Control District (NSLRWCD) for the purpose of supporting an exchange of land interests associated with the C-23/24 Stormwater Treatment Area (STA) project; approving, pursuant to the terms and conditions of the Agreement, acquisition of fee title land interests from the NSLRWCD containing 1.57 acres, more or less, in the amount of \$310,000, together with any structures, improvements, and personal property appurtenant thereto, temporary construction easement interests from NSLRWCD containing 30.22 acres, more or less, in the amount of \$73,000, and perpetual easement interests from NSLRWCD containing 0.574 acres in the amount of \$700, and declaring surplus and conveyance of fee title land interests containing 8.81 acres, more or less, from the District to NSLRWCD, all in St. Lucie County in connection with the C-23/24 Project, plus associated costs; approving the acquisition from NSLRWCD, subsequent to the completion of the C 23/24 STA, of additional perpetual easement interests, containing a

collective maximum of 2 acres in an amount not-to-exceed \$2,400; approving reimbursement of fees to NSLRWCD for service associated with engineering design and construction, review, negotiation of this agreement and assistance to update NSLRWCD's Plan of Reclamation and Operation, in an amount not-to-exceed \$150,000; and approving payment to NSLRWCD of a per annum fee of approximately \$50,000 for services upon completion of the project and discharge to the NSLRWCD system; for which \$533,700 in dedicated funds (Florida Forever Surplus Revenue) and Ad Valorem funds are budgeted, and the remainder is subject future state appropriations and Governing Board approval of future years budgets. (Contract Number 4600004136)

C. Relocation Agreement with FPL

Agenda Item Background:

The C-23/24 STA is a component of the IRL-S project located in St. Lucie County north of SR 70 and east of the C-24 Canal. The C-23/24 components of the IRL-S include the STA and two reservoirs that are being designed and will be constructed by the USACE. These reservoirs will capture excess water from the C-23 and C-24 basins that would otherwise be delivered to the St. Lucie Estuary and Indian River Lagoon. The STA will receive water from the C-23/24 North Reservoir and divert a portion of the water east to the North Fork St. Lucie River. The District is responsible for providing and certifying the lands necessary to construct the project. This Facilities Relocation Agreement ("Agreement") addresses the need for relocation and removal of FPL distribution facilities within the project footprint to certify the lands and provide for distribution of power to maintain the existing level of service. The Agreement includes relocation of a distribution power line that currently extends through the center of the STA to a location that is outside the boundary of the STA, provides a perpetual easement to FPL for the relocated power line, provides for the removal of poles at Header Canal Road, a reconductor on Sneed Road, removal of poles from Sneed Road east and for FPL to remove infrastructure and release 11 easements of varying length within the boundary of the STA.

Recommended Action:

Resolution No. 2021 - 0514 Authorize entering into a facilities relocation agreement with Florida Power and Light Company for the design, relocation and removal of power distribution facilities within the C-23/C-24 STA project footprint, in an amount not-to-exceed \$592,243.83, for which dedicated funds (Land Acquisition Trust Fund and Save Our Everglades Trust Fund) are budgeted in Fiscal Year 2020-2021. (Contract Number 4600004394)

20. Executive Director Procurement and Budget Authorizations to Address Critical South Florida Algae Conditions Related to Operational Requirements of the C&SF System (Staff contact, Candida Heater)

Agenda Item Background:

In accordance with Governor DeSantis' Executive Order 19-12, Section 1-I instructing all

five water management districts to review budgets and prioritize available funding to focus on projects that will help address harmful algae blooms and maximize nutrient reductions. Staff is requesting budget transfer and procurement approvals from the Governing Board so the Executive Director may respond to South Florida algae conditions related to operational requirements of the C&SF system.

Recommended Action:

Resolution No. 2021 - 0515 Authorize the Executive Director to address critical South Florida algae conditions related to operational requirements of the C&SF system and delegate to the Executive Director the authority to solicit, negotiate and award agreements of up to \$1,000,000 to address South Florida algae conditions and authorize the transfer of funds within the District Fiscal Year 2020-2021 budget on an as needed basis.

21. Significant Construction Contracts (Staff contact, Alan Shirkey)

A. Homestead Field Station Building Replacements Project, Miami-Dade County

Agenda Item Background:

As part of the Operations and Maintenance Capital Program, the Homestead Field Station Buildings Replacements Project currently consists of the demolition of three existing buildings (B-230, B-96 and B-33), and construction of replacement buildings totaling 17,802 square feet at the Homestead Field Station. The new buildings (B-489, B-488 and B-490) have been designed and are currently under construction.

The remaining site facilities, Office Building (B-40), Service Garage (B-60) and Vehicle Service Port (B-148), and the vehicle wash have also reached the end of their service life. The helipad, vegetation management boat maintenance launch, canal bank stabilization, dumpster enclosure, roadway improvements and access through site, and laydown area will also be designed to improve efficiency on the site.

Amendment 7 adds additional design services to complete the master plan in accordance with City of Homestead Planning and Zoning requirements and to modernize and bring the remainder of the field station into compliance with current building code requirements.

Recommended Action:

Resolution No. 2021 - 0516 Authorize an amendment to the design-build contract with State Contracting and Engineering Corporation, for additional design services for the Homestead Field Station Building Replacements project in an amount not-to-exceed \$934,275 for which \$300,000 in Ad Valorem funds are budgeted in Fiscal Year 2020-2021 and the remainder is subject to Governing Board approval of future years budgets. (Contract Number 4600003824-A07)

B. S-135 Bypass Culvert and Dike Repair Project, Martin County

Agenda Item Background:

As part of the Operations and Maintenance Capital program, the S-135 Bypass Culvert and Dike Repair project consists of lining two existing, deteriorating culvert pipes through the Herbert Hoover Dike using the Cured In Place Piping (CIPP)

process and injecting chemical grout to mitigate any potential voids on the culvert exterior.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids (RFB) procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on May 3, 2021.

Recommended Action:

Resolution No. 2021 - 0517 Authorize entering into a 260-day contract with XXXX, the lowest responsive and responsible bidder, for the S-135 Bypass Culvert and Dike Repair Project, in the amount of \$X,XXX,XXX, for which \$X,XXX,XXX is budgeted in Fiscal Year 2020-2021, and the remainder is subject to Governing Board approval of future years budgets. (Contract Number 460000XXXX)

C. Big Cypress Basin Cypress Canal Control Structure 1, Collier County

Agenda Item Background:

As part of the Big Cypress Basin (BCB) Capital Program, the Cypress Canal Control Structure 1 constructs a new water control structure that will replace the existing structure (GOLD4A) within a new canal alignment just south of the existing canal. The new structure will be a remotely operated three-gated water control structure with a water flow capacity of 500 cfs, a 24-foot wide service bridge, stilling wells, control room, communications and miscellaneous appurtenances. The structure is being replaced due to the age and condition of the structure and Collier County's Vanderbilt Beach Road Extension project. Collier County is responsible for the new canal excavation, demolition of the old structure and backfilling the original canal.

The lowest responsive and responsible bidder is recommended for award. In accordance with District policy and consistent with state law for Request for Bids (RFB) procurements, this item was competitively bid through a sealed bid process. The bid opening for this project was on March 26, 2021.

Recommended Action:

Resolution No. 2021 - 0518 Authorize entering into a 500-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for the BCB Cypress Canal Control Structure 1 in the amount of \$4,320,000, for which Big Cypress Basin Ad Valorem funds in the amount of \$650,000 are budgeted in Fiscal Year 2020-2021 and the remainder is subject to Governing Board approval of future years budgets. (Contract Number 4600004420)

22. Geotechnical Engineering Services Contracts Funding Increase (Staff contact, Alan Shirkey)

Agenda Item Background:

On October 12, 2017, the Governing Board approved geotechnical engineering services contracts with seven firms for a 3-year term, with two 1-year extension options. The contract term financial threshold was approved at \$2.5 Million. The contracts are needed to provide geotechnical engineering data and analysis required for completion of internal design projects and quality assurance during construction.

Previously unforeseen acceleration in contract requests, including the recently awarded construction of the 8.5 SMA Seepage Cutoff Wall Project, STA1W Refurbishments, BOMA Basin 2/3 Repairs and numerous O&M Capital Projects will have encumbered much of the \$2.5 Million financial threshold. In support of anticipated future demands utilizing the existing Geotechnical Engineering Services Contracts, an increase to the threshold of \$1.5 Million is requested, resulting in a new total threshold of \$4 Million. By extending the existing contracts, the District realizes a cost savings by maintaining unit pricing negotiated in 2017.

Recommended Action:

Resolution No. 2021 - 0519 Authorize an amendment to the existing Geotechnical Engineering Services Contracts increasing the amount by \$1,500,000 for all seven contracts for a total not-to-exceed amount of \$4,000,000 for the contract(s) 3-year plus two 1-year extensions term, subject to Governing Board approval of future years budgets.

<u>Firm Name</u>	<u>Contract No.</u>
Radise International, LC	4600003728
Terracon Consultants, Inc.	4600003729
Ardaman & Associates, Inc.	4600003730
GFA International, Inc. dba Universal Engineering Sciences	4600003731
Tierra South Florida, Inc.	4600003732
Wood Environment & Infrastructure Solutions, Inc.	4600003733
Universal Engineering Sciences, LLC	4600003736

- 23. Board Vote on Consent Agenda

Technical Reports

- 24. Water Conditions Report - John P. Mitnik
- 25. Ecological Conditions Report - Lawrence Glenn

Discussion Agenda

- 26. Resolution Proclaiming May 16th - 22nd as Water Reuse Week (Staff contact, Mark Elsner)

Agenda Item Background:

May typically marks the end of the dry season and can be a period of time when water needs are most acute. At this time, it is important to increase awareness regarding the re-use of our precious water resources. Over the last two decades, water reuse in the District has increased 68 percent to 302 million gallons per day and has become integral to south Florida’s water supply. WateReuse Florida, the state section of the WateReuse Association, has designated May 16-22, 2021 as Water Reuse Week in the State of Florida.

This item will provide an update on reuse practices within the District. With this resolution, the District will join WateReuse Florida, other water management districts, local governments, and other organizations in supporting water reuse with the adoption of similar resolutions throughout Florida.

**Recommended Action:
Resolution No. 2021 - 0520 Proclaim May 16-22, 2021
as Water Reuse Week.**

27. Alternative Water Supply Funding Program (Staff contact, Stacy Adams)

Agenda Item Background

This item includes a presentation of the Fiscal Year 2021-2022 Alternative Water Supply Funding Program (Program) which includes a recap and the final list for Florida Department of Environmental Protection (DEP) submittal by May 31, 2021. The Program's purpose is to provide financial incentives through matching grants for local alternative water supply and water conservation projects.

Staff is seeking Governing Board authorization for the upcoming Fiscal Year 2021-2022 Program:

- A. to approve and submit the final project list in Exhibit A to DEP for funding consideration for the DEP Alternative Water Supply Grant Program in dedicated state appropriations (General Revenue and Water Protection and Sustainability Trust Fund) from the 2021 State General Appropriations Act.
- B. authorization to enter into agreement(s) with cooperating entities for alternative water supply and water conservation projects eligible for dedicated state appropriations (General Revenue and Water Protection and Sustainability Trust Fund) and corresponding Water Protection and Sustainability Trust Fund District match.

- A. Alternative Water Supply, DEP Project List

Recommended Action:

Resolution No. 2021 - 0521 Approve and authorize submittal of the final project list to the Florida Department of Environmental Protection (DEP) for the purpose of funding consideration for projects listed in Exhibit A for the DEP Alternative Water Supply Grant Program in dedicated state appropriations (General Revenue and Water Protection and Sustainability Trust Fund) from the 2021 State General Appropriations Act.

- B. Alternative Water Supply Projects - Entities

Recommended Action:

Resolution No. 2021 - 0522 Authorize entering into agreement(s) with cooperating entities for alternative water supply and water conservation projects with dedicated state appropriations (General Revenue and Water Protection and Sustainability Trust Fund) from the 2021 General Appropriations Act and corresponding Water Protection and Sustainability Trust Fund District match, and delegating authority to the Executive Director to execute the agreements for identified projects listed in Exhibit A eligible for grant funding.

28. Status of the Northern Everglades and Estuaries Protection Program and Projects in the Lake Okeechobee Watershed (Staff contacts, Jennifer Reynolds and Seán Sculley)

Agenda Item Background:

Lake Okeechobee is the heart of the Greater Everglades Ecosystem and an important natural resource for the people and environment of South Florida. Lake Okeechobee is currently an impaired waterbody due to high levels of nutrient pollution in the Lake and runoff from within the watershed.

Nutrient pollution present in watershed runoff presents a significant problem related to the health of our water bodies, our ecosystems, our citizens, and our economy. Water quality improvements in the watershed are a shared responsibility between the DEP, Florida Department of Agriculture and Consumer Service, and the District (“Coordinating Agencies”). The District is fully committed to improving water quality through its responsibilities, which include monitoring, science, hydrologic improvements, and projects.

This item will review the ongoing efforts to support the state’s water quality goals and restoration of our ecosystems. In March, the District initiated the process to update the Coordinating Agencies’ Interagency Agreement, which outlines the framework by which the agencies cooperate to implement the activities, programs, and projects necessary to tackle the challenge of addressing nutrients in the watershed. The District and DEP also recently increased monitoring and implemented increased public accessibility of water quality and flow data. The District and DEP are seeking to expand opportunities for implementing watershed projects to reduce nutrient loads in stormwater runoff to the regional system.

A. Design/Build Lower Kissimmee Basin Stormwater Treatment Project

Agenda Item Background:

The project is intended to complement the water management and nutrient load reductions achieved from existing or anticipated from future watershed projects. Specifically, the project consists of the design, construction, operation and maintenance of a new stormwater treatment facility in the S-154 Basin, S-154C Basin and/or S-133 Basin in the Taylor Creek/Nubbin Slough (TCNS) Subwatershed to maximize capturing stormwater runoff and reducing nutrient loading primarily from the S-154 and S-154C basins, and secondarily from the S-133 Basin. Based on the most recent five-year period, the S-154 Basin has the second highest TP loads average annual loads in the TCNS Subwatershed and S-154C Basin has the highest load per unit area (lbs/acre) in the TCNS. At the end of the five-year operational period, it is expected that the project facility and title to the land will be transferred to the District, at the District’s sole discretion.

A design/build solicitation was issued to solicit responses from qualified design/build organizations for the design and construction of the project. Qualifications and technical responses were evaluated by a five-panel selection committee based on the evaluation criteria established prior to solicitation. The solicitation was issued in accordance with the Consultants' Competitive Negotiation Act, Section 287.055, Florida Statutes.

Recommended Action:

Resolution No. 2021 - 0523 Authorize the official ranking of short-listed firms and enter into a 9-year contract for the Design/Build of a Lower Kissimmee Basin Stormwater Treatment Project, subject to successful negotiations with EIP Florida Water Quality, LLC - Ecosystem Investment Partners, LLC in an amount not-to-exceed \$300,000,000, of which \$12,600,000 in state dedicated funds is budgeted and

the remainder is subject to future state funding and Governing Board approval of future years budgets. If negotiations are unsuccessful with EIP Florida Water Quality, LLC - Ecosystem Investment Partners, LLC, the District will proceed with negotiations in ranked order until a contract has been successfully negotiated.

B. Lake Okeechobee Inflow Innovative Technology Phosphorus Removal

Agenda Item Background:

The District received \$6 Million from DEP (\$3 Million grant in 2020 and an additional \$3 Million state appropriation for Northern Everglades and Estuaries Protection) to support DEP efforts in preventing and combating harmful algal blooms (HAB) in response to Governor DeSantis' Executive Order 19-12 and recommendations from the Blue-Green Algae Task Force. The District issued a RFB in February 2021 to remove total phosphorus (TP) from C-59 canal surface waters in Okeechobee County before entering Lake Okeechobee. Respondents were required to propose using a demonstrable innovative technology to remove TP to help prevent HAB development in the northern part of the Lake. The RFB specified that the contractor bear the risk in that payment is solely based on performance (pounds of TP removed). Two bids were received. A Notice of Apparent Lowest Bidder was issued April 2021. District staff requests the Governing Board to authorize entering into a four-year contract with the lowest responsive and responsible bidder to remove TP from surface waters of the C-59 Canal before entering Lake Okeechobee for \$6 Million.

Recommended Action:

Resolution No. 2021 - 0524 Authorize entering into a four-year contract with Ferrate Solutions, Corp., the lowest responsive and responsible bidder for a Lake Okeechobee S-191 Basin Surface Runoff Phosphorus Removal Using Innovative Technologies Project, in an amount not-to-exceed \$6,000,000, for which dedicated funds (State General Revenue) are budgeted in Fiscal Year 2020-2021. (Contract Number 4600004416)

Staff Reports

29. Monthly Financial Report - Candida Heater
30. General Counsel's Report - Carolyn Ansay
31. Executive Director's Report - Drew Bartlett
32. General Public Comment
33. Board Comment
34. Adjourn