



South Florida Water Management District

GOVERNING BOARD MONTHLY MEETING AGENDA

October 14, 2021

9:00 AM

Okeechobee County Historic Courthouse
Board of County Commission Chambers
304 NW 2nd Street
Okeechobee, FL 34972

To provide public comment at this meeting, please plan to attend in person or through written public comment ahead of the meeting.

1. Call to Order - Chauncey Goss, Chairman, Governing Board
2. Pledge of Allegiance
3. Recognition of Elected Officials
4. Agenda Revisions
5. Agenda Item Abstentions by Board Members
6. Consider Approval of the Minutes for the September 9th Meeting and Tentative Millage and Budget Public Hearing, and the September 21st Final Millage and Budget Public Hearing
7. Executive Director's Report - Drew Bartlett
8. Okeechobee, A Historical Perspective - Libby Pigman
9. General Public Comment
10. Board Comment
11. Move Consent Agenda Items to Discussion Agenda

12. Public Comment on Consent Agenda Items

Consent Agenda

13. Release of Reservations (Staff contact, Stephen M. Collins)

Agenda Item Background:

The District has certain reserved rights to construct canal right of ways. Applications requesting release of these reservations are received as they constitute a defect on title which must be resolved prior to a property sale, especially when financing is involved. Applications are reviewed to determine if there is a present or future need. If it has been determined there is no present or future need, staff recommend that the reservations are released for payment of a value equal to one percent of the appraised value of the land on the Property Appraiser's website in the County where the property is located. It has been determined that there is no present or future need for the reservations listed below.

Staff Recommendation:

Staff recommends approval of the following:

Okeechobee County

Release District canal reservations for RaceTrac Petroleum, Inc. (File No. 18878) for 0.19+/- acre; release value of \$114.51 was paid on 8/17/2021.

Recommended Action:

Resolution No. 2021 - 1001 Release District canal reservations.

[Memo Exhibit](#)

[Resolution 2021-1001](#)

[Resolution Exhibit](#)

14. Cattle Grazing Lease Extensions (Staff contact, Stephen M. Collins)

Agenda Item Background:

When the District acquires properties for future project use, it is often beneficial to lease the lands for cattle grazing to assist with ongoing vegetation and infrastructure management prior to project construction. Three grazing leases in good standing with the District are to be considered for extensions. As part of each extension, the use of fertilizer is prohibited, and the lessees will be required to optimize water storage where appropriate under the District's Dispersed Water Management Program. All lessees are required to adhere to stringent Best Management Practices for cattle grazing and comply with the District's land management requirements. All leased lands are inspected on a semi-annual basis. The leases also include a provision for termination by the District for convenience notice of 180 days. The annual rent is based on the Cattle Grazing Formula provided for in the District's Real Estate Leasing Policy.

- 14A. Garry Webb, Cattle Grazing Lease, St. Lucie County (Staff contact, Stephen M. Collins)

Agenda Item Background:

The District currently leases 557.2 acres of uplands in the C-23/C-24 South Reservoir Component of the Indian River Lagoon - South Project in St. Lucie County for cattle grazing. This lease requires low density grazing of one animal unit per six acres. This initial lease to Mr. Webb started in May 2005 and continued until December 2016 when Mr. Webb was the highest responsive and responsible bidder on a new Request for Bid. The District and the Lessee wish to extend the term of the lease by five years.

The Lessee is aware of the anticipated construction schedule start date for the C-23/C-24 South Reservoir project is around 2024. The approximate annual revenue is \$10,300.

Recommended Action:

Resolution No. 2021 - 1002 Authorize a five-year cattle grazing lease extension to Garry Webb on 557.2 acres, more or less, in St. Lucie County. (Contract Number 4600000120)

[Resolution 2021-1002](#)
[ExhibitA.pdf](#)

- 14B. Prescott Family Ranch, LLC, Cattle Grazing Lease, Okeechobee County (Staff contact, Stephen M. Collins)

Agenda Item Background:

The District currently leases 1,403.28 acres for cattle grazing located in the Lake Okeechobee Watershed Restoration Project in Okeechobee County. This lease requires very low-density grazing of one animal unit per 10 acres. This lease to Prescott Family Ranch, LLC, started on January 1, 1991 as a lease reservation by the seller. The lease was amended several times and is set to expire on December 31, 2021. The District and the Lessee wish to extend the term of the lease by five years.

The Lessee is aware that the anticipated wetland restoration schedule start date for the Paradise Run Wetland project will occur prior to the planned expiration of the extended lease. The approximate annual revenue is \$16,100.

Recommended Action:

Resolution No. 2021 - 1003 Authorize a five-year cattle grazing lease extension to Prescott Family Ranch, LLC on 1,403.28 acres, more or less, in Okeechobee County. (Contract Number 4600002168)

[Resolution 2021-1003](#)
[ExhibitA.pdf](#)

- 14C. El Maximo Ranch Holdings LLC, Cattle Grazing Lease, Osceola County (Staff contact, Stephen M. Collins)

Agenda Item Background:

The District currently leases 4,383 acres along the eastern side of the Kissimmee River (C-38 Canal) in Osceola County, just south of Highway 60, to El Maximo Ranch Holdings LLC for cattle grazing. This lease requires very low-density grazing of one animal unit per 20 acres. This lease started in 1996 as a reservation by the seller and was assigned to the new owner of the adjacent property in April 2018. Because the leased area is along the northern portion of the Kissimmee River and not planned for

restoration, the District and the Lessee wish to extend the term of the lease by ten years. The approximate annual revenue is \$26,000.

Recommended Action:

Resolution No. 2021 - 1004 Authorize a ten-year cattle grazing lease extension to El Maximo Ranch Holdings LLC on 4,383 acres, more or less, in Osceola County. (Contract Number 3600000718)

[Resolution 2021-1004](#)

[ExhibitA.pdf](#)

- 14D. Kissimmee Chain of Lakes Cattle Grazing Lease Extensions, Osceola and Polk Counties (Staff contact, Stephen M. Collins)

Agenda Item Background:

The District wishes to extend the following six Kissimmee Chain of Lakes (KCOL) cattle grazing leases for approximately three years with a 60-day termination notice for convenience:

1. Bronsons, LLP - Contract Number 4600001440
2. Lightsey Cattle Company, LLC - Contract Number 4600003925
3. Lightsey Cattle Company, LLC - Contract Number 4600003923
4. Overstreet, Rawlins J. and Sharon C. - Contract Number 4600003917
5. Vida Management, Inc. - Contract Number 4600003927
6. Lightsey Cattle Company, LLC - Contract Number 3600000719

The leases currently expire between November 6 and December 31, 2021. All six leases will have a new expiration date of December 31, 2024. The Kissimmee River Headwaters Lake Regulation Schedule will increase water levels in the KCOL when the new regulation schedule is implemented. The short 60-day termination clause will allow either the District or the Lessee to terminate the lease making them compatible with the project implementation schedule. These leases require a low ratio of acres per cow. As part of this extension, the use of fertilizer is prohibited, and the Lessees will be required to adhere to stringent Best Management Practices for cattle grazing and comply with the District's land management requirements. All leased lands are inspected on a semi-annual basis. The Lessees are aware of the anticipated implementation schedule for the KCOL project. The annual rent is based on the Cattle Grazing Formula provided for in the District's Real Estate Leasing Policy.

Recommended Action:

Resolution No. 2021 - 1005 Authorize a three-year extension on six KCOL cattle grazing leases on 14,036.92 acres, more or less, in Osceola and Polk counties with Bronsons, LLP; Lightsey Cattle Company, LLC (three leases); Rawlins J. and Sharon C. Overstreet; and Vida Management, Inc. (Contract Numbers 4600001440, 4600003925, 4600003923, 4600003917, 4600003927, 3600000719)

[Resolution 2021-1005](#)

[ExhibitA.pdf](#)

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

Agenda Item Background:

Right of Way Permits protect the District's ability to effectively and safely use the canal and levee rights of way in the regional system while providing for compatible public and private uses such as docks, fences or walkways. The regional system includes canals and levees, major rivers and lakes, water conservation areas, the works of the Big Cypress Basin and certain other canals and rights of way.

15A. City of Lauderdale Lakes (Staff contact, Rich Virgil)

Agenda Item Background:

The City of Lauderdale Lakes is applying to modify its existing Standard Right of Way Occupancy Permit No. 12550 (Application) to allow the expansion of a previously authorized linear park within the north right of way of the C-13 Canal from N.W. 31st Avenue to N.W. 29th Avenue. If approved, the new linear park segment will link existing linear parks to the west and east within the C-13 Canal right of way. The proposed linear park expansion is planned to include a 1/4-mile long, 10-foot wide pedestrian/bicycle path, native landscaping, and pathway lighting. The proposed linear park complies with all District requirements and no waivers of any rules are necessary. The Application has been reviewed by District Field Operations and the U.S. Army Corps of Engineers (USACE) which has granted Section 408 authorization. If approved, the proposed path will not impact the District's ability to perform operations, maintenance, or construction within the right of way. As a condition of the permit, the City of Lauderdale Lakes will be responsible for maintaining the improvements and the right of way, which is a benefit to the District.

Recommended Action:

Approve issuance of a modification of Standard Right of Way Occupancy Permit Number 12550 (Application No. 20-1222-3M).

[ROW Permit Req Lauderdale Lakes](#)

15B. Central Florida Property Holdings 500, LLC, Right of Way Occupancy Permit Request, Osceola County (Staff contact, Rich Virgil)

Agenda Item Background:

Central Florida Property Holdings 500, LLC, (Applicant) requests a Standard Right of Way Occupancy Permit (ROW Permit) to perform dredging and excavation within the C-30 Canal right of way to construct a 47-acre lake that includes both District right of way and privately-owned lands outside of the right of way. The proposed lake will be located approximately 1,800 feet south of the S-57 Structure between Lake Mary Jane and Lake Myrtle. The lake will serve as a focal point in the Sunbridge development, a 24,000-acre mixed-use community currently under construction in Osceola County. Along with lake construction, the Applicant will be installing articulated block revetment to provide bank stabilization south of the proposed lake to Lake Myrtle. Construction of the lake will take approximately 18-24 months and be completed in four phases.

The District will benefit from approval of the ROW Permit in several ways. The proposed 47-acre lake within the C-30 Canal system provides an opportunity for additional storage upstream of the S-57 Structure. In addition, the required hardening of the bank between the proposed lake and Lake Myrtle will divert future District capital and maintenance costs to the Applicant. To protect the District's taxpayers, the ROW Permit requires the Applicant to post a \$1.2 million cash bond so that the District will

have monies available to restore its right of way if the Applicant fails to complete or abandons the project.

The District authorizes dredging in its right of way by issuing a Standard Right of Way Occupancy Permit, which is a permit type that must be approved by the District's Governing Board. The application has been reviewed by District Field Operations and the USACE, which has granted Section 408 authorization for the proposed work in the right of way. If approved, the work within the District's right of way will not impact the District's ability to perform operations or maintenance of the C-30 Canal system. No waivers of any rules are necessary for the ROW Permit to be issued.

Recommended Action:

Approve issuance of Standard Right of Way Occupancy Permit No. 15786 (Application No. 18-0516-2).

[ROW Permit Request Backup](#)

16. 2021 Priority Water Body List and Schedule (Staff contact, Lawrence Glenn)

Agenda Item Background:

Each year, the water management districts are statutorily required to submit a list and schedule to the Florida Department of Environmental Protection (DEP) prioritizing water bodies for developing minimum flows and levels (MFL) and water reservations. MFLs are the point at which further withdrawals significantly harm the water resources or the ecology of the area. Water reservations protect the water needed for fish and wildlife or public health and safety from being allocated to consumptive uses. A third water resource protection tool are restricted allocation areas (RAAs), which are defined geographic areas where water allocations from specific water resources are limited. The proposed 2021 Priority Water Body List and Schedule includes water reservations and/or RAAs for the Loxahatchee River Watershed Restoration Project and the Lake Okechobee Watershed Restoration Project and continuing the development of the C-43 Reservoir water control plan (Project Operations Manual).

Recommended Action:

Resolution No. 2021 - 1006 Authorize submission of the proposed 2021 Priority Water Body List and Schedule for Minimum Flows and Levels and Water Reservations to the Florida Department of Environmental Protection for review and approval pursuant to Section 373.042(3), Florida Statutes.

[Resolution 2021-1006](#)

[Priority Water Body List](#)

17. Fiscal Year 2022 Five-Year Water Resource Development Work Program (Staff contact, Lawrence Glenn)

Agenda Item Background:

The Five-Year Water Resource Development Work Program (Work Program) is an update report that includes a draft evaluation of the Work Program's consistency with the District's regional water supply plans and the adequacy of the proposed expenditures pursuant to Section 373.536, Florida Statutes. The Fiscal Year 2022 Work Program includes the period from October 1, 2021 through September 30, 2026.

The Work Program contains, for example, projects involving water conservation, resource evaluation, and regional water resource development. Within 30 days of budget adoption, the water management districts are required to submit the Work Program to several entities, including the Governor, the President of the Senate, the Speaker of the House of Representatives, and the DEP.

This item also authorizes District staff to address and incorporate appropriate revisions as a result of agency and/or public comment to the Work Program prior to inclusion into the final Fiscal Year 2022 South Florida Environmental Report.

Recommended Action:

Resolution No. 2021 - 1007 Authorize the transmittal of the draft Fiscal Year 2022 Five-Year Water Resource Development Work Program pursuant to Section 373.536(6)(a)4., Florida Statutes.

[Resolution 2021-1007](#)

[FY22 Five-Year Water Resource Development Work Program Draft](#)

18. Oracle Software Technical Support (Staff contact, Duane Piper)

Agenda Item Background:

The District's operations utilize Oracle portal and database platforms for many systems such as e-permitting, employee emergency notification site, weather/real-time readings, graphical verification analysis, hydrologic and scientific data, and DBHYDRO Insights. Previously the District issued annual purchase orders directly to the manufacturer for software support and upgrades. Software upgrades are only available from the manufacturer which makes the support very costly. Beginning this fiscal year, Information Technology will change the level of support to technical assistance only using a third-party vendor, Rimini Street, Incorporated. Moving to technical support only will save the District approximately \$526K in year one; \$1.6M for the three-year period. The savings will be used for a multi-year project to migrate off of this legacy software to a new modern platform and reduce our technical debt.

This request is to enter into a contract with Rimini Street, Incorporated for 3 years of Oracle software technical support, renewable annually, using the Northwest Florida Water Management District's Master Services Agreement in the amount of \$805,036. This contract was competed by another government agency.

Recommended Action:

Resolution No. 2021 - 1008 Authorize entering into a contract with Rimini Street, Incorporated, for three years of Oracle software technical support, renewable annually, using the Northwest Florida Water Management District's Master Services Agreement, in the amount of \$805,036 for which \$255,364 in Ad Valorem funds are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets. (Contract Number 4600004480)

[Resolution 2021-1008](#)

19. Pega Water Use Module Consulting Services (Staff contact, Duane Piper)

Agenda Item Background:

The District is migrating end-of-life Oracle Forms and Oracle Reports applications to newer technology. As part of this effort the District purchased Pega Business Process Management (BPM) Software to migrate the legacy Oracle Forms and Reports based Permitting system. Request for Bids 6000001259 was solicited for consulting services to move the Water Use permitting and compliance functionality from legacy unsupported technology to the new Pega BPM technology. In addition to migrating the Water Use module to the newer Pega technology, this effort will also make significant improvements to the current process flow and automate many manual tasks.

This request is to enter into a contract with Saturn Tech, LLC dba Saanvi Technologies, the lowest responsive and responsible bidder, for Pega Water Use Module Consulting Services, in the amount of \$776,500. This item was competitively bid through a sealed bid process.

Recommended Action:

Resolution No. 2021 - 1009 Authorize entering into a contract with Saturn Tech, LLC dba Saanvi Technologies, the lowest responsive and responsible bidder, for Pega Water Use Module Consulting Services, for which \$776,500 in Ad Valorem funds are budgeted in Fiscal Year 2021-2022. (Contract Number 4600004481)

[Resolution 2021-1009](#)

20. UltiPro Human Resources Software Subscription Service (Staff contact, Duane Piper)

Agenda Item Background:

The District's Human Resources (HR) Bureau currently uses several disjointed applications to support their business processes: SAP Human Capital Management (HCM), SAP SuccessFactors, and IBM Kenexa. The legacy on premise SAP HCM application supports HR processes such as position management, payroll, and timesheet management. The cloud SAP SuccessFactors application supports performance management processes. The Kenexa application supports the recruiting processes. Currently the employee onboarding processes are performed manually. Information Technology recommends purchasing Kronos Incorporated's UltiPro Software Subscription Service to replace the SAP HCM, SAP SuccessFactors and Kenexa applications and provide a new, more efficient, and modern experience for HR business processes for managers, supervisors, and District staff.

This request is to enter into a contract with Kronos Incorporated, A UKG Company, for three years of the UltiPro Software Subscription Service renewable annually, with two one-year renewal options, one-time activation fees, training, and implementation services, using the OMNIA Partners Public Sector Contract Numbers 18220 and 18221 in the amount of \$2,758,484. This contract was competed by another government agency.

Recommended Action:

Resolution No. 2021 - 1010 Authorize entering into a contract with Kronos, Incorporated, a UKG Company, for a three-year UltiPro Software Subscription Service renewable annually, with two one-year renewal options, one-time activation fees, training, and implementation services, using the OMNIA Partners Public Sector Contract Numbers 18220 and 18221, in the amount of \$2,758,484

for which \$732,500 in Ad Valorem funds are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets. (Contract Number 4600004482)

[Resolution 2021-1010](#)

21. EAA A2 Reservoir/Stormwater Treatment Area Substation and Associated Transmission Line, Palm Beach County (Staff contact, Alan Shirkey)

Agenda Item Background:

The EAA A2 Reservoir/STA Project, a component of the CEPP project located in Palm Beach County, reduces damaging discharges to the northern estuaries, increases flows to the Everglades, and helps achieve overall Comprehensive Everglades Restoration Plan (CERP) goals essential to Everglades Restoration. The project includes new large, electric-powered pumps at S-636, S-623, S-640, S-648, and G-200E. FPL requires a new substation to power these facilities, and that substation is currently being designed under a prior agreement with the District.

This agreement funds the construction phase of the substation, and requires the District to pay \$3.55M as its share of the full cost of \$8.45M. Construction of the substation will begin upon completion of the land transfer of a ten-acre parcel to FPL and is estimated to take up to 12 months. Timely completion of the substation will allow the EAA A2 STA portion of the project to stay on schedule by providing the pump stations and control structures with power to operate.

Recommended Action:

Resolution No. 2021 - 1011 Authorize entering into an agreement with Florida Power & Light Company for the construction of an electrical substation and associated transmission line for the EAA A2 Reservoir/STA Project, in the amount of \$3,549,500 for which dedicated funds (Everglades Trust Fund) are budgeted in Fiscal Year 2021-2022. (Contract Number 4600004478)

[Resolution 2021-1011](#)

[Backup Document](#)

22. EAA A2 Reservoir/Stormwater Treatment Area Power Distribution (Staff contact, Alan Shirkey)

Agenda Item Background:

The EAA A2 Reservoir/STA Project, a component of the CEPP project located in Palm Beach County, reduces damaging discharges to the northern estuaries, increases flows to the Everglades, and helps achieve overall CERP goals essential to Everglades Restoration. Additional Florida Power & Light infrastructure is necessary to have reliable power to operate the STA's control structures and pump stations.

The new infrastructure consists of a new underground feeder within the northern perimeter road from the new Substation to the northeast corner of the STA, a new underground primary feed within the STA footprint itself, and five connections to existing overhead primary line to the outflow structures in the western perimeter of the project. The new underground feeder section includes approximately eight miles of underground duct bank, and the STA section includes approximately nine miles of underground duct bank. This item authorizes entering into an agreement with FPL for

the construction of these facilities in the amount of \$3,237,230.

Recommended Action:

Resolution No. 2021 - 1012 Authorize entering into an agreement with Florida Power & Light Company, for the construction of additional underground distribution facilities to support the EAA A2 Reservoir/Stormwater Treatment Area Project, in the amount of \$3,237,230 for which dedicated funds (Everglades Trust Fund) are budgeted in Fiscal Year 2021-2022. (Contract Number 4600004477)

[Resolution 2021-1012](#)

[Backup Document](#)

23. STA-1W Expansion No. 2 Stormwater Treatment Area Project, Palm Beach County (Staff contact, Alan Shirkey)

Agenda Item Background:

The STA-1W Expansion No. 2 STA Project, a component of the Restoration Strategies Program located in Palm Beach County, works in conjunction with the existing Everglades STAs to meet the Water Quality Based Effluent Limit (WQBEL) to achieve compliance with the State of Florida's numeric phosphorus criterion for the Everglades Protection Area outlined in Rule 62- 302.540 of the Florida Administrative Code (F.A.C.) enforced by the Environmental Protection Agency. The project consists of approximately 2,173 acres and the STA area contains approximately 2,071 acres and connects to the existing STA-1W complex with a new canal to provide the hydraulic connection between the two project areas. This connection canal encompasses approximately 100 acres of land running north to south parallel to and just west of the existing L-7 Levee and Water Conservation Area No. 1. The project includes the construction of three new STA cells, a six-mile concrete lined connection canal, perimeter and interior levees, canals, water control structures, pump stations, culverts, boat ramps, maintenance ramps, and all other associated appurtenances.

The water control structures and pump stations require power to operate and additional Florida Power & Light infrastructure is necessary to have reliable power to operate the project features and treat water effectively prior to discharge into the Water Conservation Area No. 1 due to the project site being in a remote location.

The power distribution construction consists of three different areas. New overhead distribution feeder from Loxahatchee Substation to the project, new underground feeder within the connection canal, and new underground primary within the project. The overhead section includes approximately one mile of distribution line. The connection canal section includes approximately six miles of underground duct bank and splice boxes, and the STA section includes approximately nine miles of underground duct bank. The underground duct bank consists mainly of a six-inch conduit except for the connection canal section which also includes a two-inch conduit for fiber optics. This item authorizes entering into an agreement with FPL for the construction of these facilities in the amount of \$3,612,219.

Recommended Action:

Resolution No. 2021 - 1013 Authorize entering into an agreement with Florida Power & Light Company for the construction of additional underground

distribution facilities to support the STA-1W Expansion No. 2 Project, in the amount of \$3,612,219 for which \$3,612,219 in dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds are budgeted in Fiscal Year 2021-2022. (Contract Number 4600004472)

[Resolution 2021-1013](#)
[Backup Document](#)

24. C-44 Reservoir/Stormwater Treatment Area Project, S-401 Pump Station Control Systems Completion Project Change Order No. 1, Martin County (Staff contact, Alan Shirkey)

Agenda Item Background:

As part of CERP, the C-44 Reservoir/STA Project is being constructed under several construction contracts. The District has completed the C-44 S-401 Pump Station and STA, and the USACE is finalizing the Reservoir. This Change Order No. 1 to the S-401 Pump Station Control Systems Completion allows for the final integration of the individual construction contracts into one fully functioning project and could only be accomplished once the Reservoir Embankment work was fully completed by the USACE. The work under this change order involves the replacement of instrumentation wiring on two STA Control Buildings, modifications to vacuum piping and valves at the S-401 PS discharge, and additional labor and equipment resources to accommodate the District's accelerated schedule for starting up the Pump Station. This Change Order work is necessary to allow for the precise interface between the USACE constructed features and the remaining control systems for the S-401 Pump Station Discharge. Timely completion of these efforts will allow an expedient transition from Reservoir completion to full system integration, leading to the final project testing and commissioning.

Recommended Action:

Resolution No. 2021 - 1014 Authorize Change Order No. 1 with All Webb Enterprises, Inc. for the C-44 Reservoir/Stormwater Treatment Area, S-401 Pump Station Control Systems Completion Project, in the amount of \$181,935.02 for which dedicated funds (Save Our Everglades Trust Fund and/or Land Acquisition Trust Fund) and Ad Valorem Funds are budgeted in Fiscal Year 2021-2022. (Contract Number 4600004379-CO01)

[Resolution 2021-1014](#)
[Backup Document](#)

25. S-6 Pump Station Refurbishment Project - Phase 1, Palm Beach County (Staff contact Alan Shirkey)

Agenda Item Background:

As part of the Operations and Maintenance Capital Improvement Program, the S-6 Pump Station Refurbishment Project Phase 1 will refurbish the pump station auxiliary equipment including a twenty ton bridge crane, three raw water pumps, all supply and exhaust fans, and other items in preparation of Phase 2 - refurbishment of the three 975 cfs main pumping units. The S-6 pump station was originally constructed in 1957 by the USACE. The S-6 Pump Station conveys surface water from Lake Okeechobee and the agricultural area northwest of the pump station via the Hillsboro Canal to Stormwater Treatment Area 2 prior to discharge to Water Conservation Area 2A.

Recommended Action:

Resolution No. 2021 - 1015 Authorize entering into a 603-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder, for the S-6 Pump Station Refurbishment Project Phase 1, in the amount of \$1,830,385 for which \$1,500,000 in Ad Valorem funds are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets. (Contract Number 4600004495)

[Resolution 2021-1015](#)

[Backup Document](#)

26. S-290 and S-285 Retrofit & Automation, Glades County (Staff contact, Alan Shirkey)

Agenda Item Background:

As part of the Capital Improvement Program, the S-290 and S-285 SCADA Retrofit & Automation Project will allow the District to operate the headwater section of these structures. The District will install standard features for remote SCADA operation of the S285 and S290 structures' headwater gates, including a new control/generator building, new headwater and tailwater stilling wells and ancillary features.

S-290 (IP-2) and S-285 (HP-6) are water control structures located along the Herbert Hoover Dike on the west side of Lake Okeechobee. They are slide gate box culvert structures that were recently constructed by the USACE. The purpose was to replace the existing aging G-75 and G-76 structures, respectively. USACE will continue to maintain the new structures and will operate tailwater conditions as part of Lake Okeechobee. The District will operate headwater conditions by opening and closing the slide gates to balance upstream water supply and flood control. This project involves retrofitting the existing S-290 and S-285 structure sites with standard District SCADA equipment, a new control building with generator, and miscellaneous site-civil improvements.

Recommended Action:

Resolution No. 2021 - 1016 Authorize entering into a 557-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for the S-290 and S-285 SCADA Retrofit & Automation Project, in the amount of \$3,090,600 for which Ad Valorem funds in the amount of \$1,700,000 are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets. (Contract Number 4600004486)

[Resolution 2021-1016](#)

[Notice Intent to Award](#)

[Kiewit Unit Cost Average](#)

[Backup Document](#)

27. Board Vote on Consent Agenda

Technical Reports

28. Water Conditions Report - John P. Mitnik

29. Ecological Conditions Report - Lawrence Glenn

Discussion Agenda

30. Northern Everglades and Estuaries Protection Program Update (Staff contact, Jennifer Reynolds)

Agenda Item Background:

The Northern Everglades is comprised of the Lake Okeechobee Watershed (LOW), Caloosahatchee River Watershed (CRW), and St. Lucie River Watershed (SLRW). Water quality improvements in these watersheds are a shared responsibility between the Florida Department of Environmental Protection, Florida Department of Agriculture and Consumer Services, and the District (“Coordinating Agencies”). The District is fully committed to improving water quality through its responsibilities, which include monitoring, research, hydrologic improvements, and projects. This item will highlight ongoing Northern Everglades and Estuaries Protection Program efforts to support the state’s water quality goals and restoration of the Northern Everglades ecosystems. This is a briefing item and no Governing Board action is required.

Staff Reports

31. Monthly Financial Report - Candida Heater
32. General Counsel's Report - Carolyn Ansay
33. General Public Comment
34. Board Comment
35. Adjourn

Public Comment Policy

The South Florida Water Management District Governing Board encourages the public to provide comment and input to the Governing Board. Public comment is accepted at the two dedicated General Public Comment periods at the beginning and the end of the meeting. Public comment is also accepted on the Consent Agenda and each Discussion Agenda item.

M E M O R A N D U M

TO: Governing Board Members

FROM: Stephen M. Collins, Real Estate & Land Management

DATE: October 14, 2021

SUBJECT: Release of Reservations

Agenda Item Background:

The District has certain reserved rights to construct canal right of ways. Applications requesting release of these reservations are received as they constitute a defect on title which must be resolved prior to a property sale, especially when financing is involved. Applications are reviewed to determine if there is a present or future need. If it has been determined there is no present or future need, staff recommend that the reservations are released for payment of a value equal to one percent of the appraised value of the land on the Property Appraiser's website in the County where the property is located. It has been determined that there is no present or future need for the reservations listed below.

Staff Recommendation:

Staff recommends approval of the following:

Okeechobee County

Release District canal reservations for RaceTrac Petroleum, Inc. (File No. 18878) for 0.19+/- acre; release value of \$114.51 was paid on 8/17/2021.

Core Mission and Strategic Priorities:

The District has certain reserved rights to construct canal right of ways. Applications requesting release of these reservations are received as they constitute a defect on title which must be resolved prior to a property sale, especially when financing is involved. Applications are reviewed to determine if there is a present or future need. If it has been determined there is no present or future need, staff recommend that the reservations are released for payment of a value equal to one percent of the appraised value of the land on the Property Appraiser's website in the County where the property is located. It has been determined that there is no present or future need for the reservations listed below.

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Okeechobee County

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acre; release value of \$114.51 was paid on 8/17/2021.

See Memorandum Exhibit "A" and maps attached hereto and made a part hereof, which contain the details and location of the release to be issued.

Core Mission and Strategic Priorities:

Pursuant to Section 373.096 of the Florida Statutes, the Governing Board of the District may release any reservation for which it has no present or apparent use under terms and conditions determined by the Board.

Funding Source:

Staff Contact and/or Presenter:

Stephen M. Collins, smcollins@sfwmd.gov, 561-682-2959

ATTACHMENTS:

[Memo Exhibit](#)

[Resolution 2021-1001](#)

[Resolution Exhibit](#)

MEMORANDUM – EXHIBIT “A”

Okeechobee County

File No: 18878
Applicant: RaceTrac Petroleum, Inc., a Georgia corporation
Reserving Deed: E-6784 (DB 49-351, 1/6/1949)
Application Fee Paid: \$250
Release Value: \$114.51 (paid on 8/17/2021)
Action: Release District canal reservations
Acres: 0.19 acre, more or less
Legal Description: A portion of the SW ¼ of the SE ¼ of Section 15, Township 37 South,
Range 35 East
Location: 975 NE Park Street, Okeechobee, Okeechobee County
Reviewed By: No routing due to size and location

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2021-1001

A Resolution of the Governing Board of the South Florida Water Management District to release District canal reservations; providing an effective date.

WHEREAS, the applicant has requested that the South Florida Water Management District release certain District canal reservations; and

WHEREAS, the District is empowered to grant such release pursuant to Section 373.096, Florida Statutes.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby approves the release of District canal reservations, as described in Resolution Exhibit "A" attached hereto and made a part hereof.

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and **ADOPTED** this 14th day of October, 2021.

RESOLUTION - EXHIBIT "A"

Okeechobee County

File No: 18878
Applicant: RaceTrac Petroleum, Inc., a Georgia corporation
Reserving Deed: E-6784 (DB 49-351, 1/6/1949)
Release Value: \$114.51 (paid on 8/17/2021)
Action: Release District canal reservations
Acres: 0.19 acre, more or less
Legal Description: A portion of the SW ¼ of the SE ¼ of Section 15, Township 37 South,
Range 35 East
Location: 975 NE Park Street, Okeechobee, Okeechobee County

MEMORANDUM

TO: Governing Board Members

FROM: Stephen M. Collins, Real Estate & Land Management

DATE: October 14, 2021

SUBJECT: Cattle Grazing Lease Extensions

Agenda Item Background:

When the District acquires properties for future project use, it is often beneficial to lease the lands for cattle grazing to assist with ongoing vegetation and infrastructure management prior to project construction. Three grazing leases in good standing with the District are to be considered for extensions. As part of each extension, the use of fertilizer is prohibited, and the lessees will be required to optimize water storage where appropriate under the District's Dispersed Water Management Program. All lessees are required to adhere to stringent Best Management Practices for cattle grazing and comply with the District's land management requirements. All leased lands are inspected on a semi-annual basis. The leases also include a provision for termination by the District for convenience notice of 180 days. The annual rent is based on the Cattle Grazing Formula provided for in the District's Real Estate Leasing Policy.

Core Mission and Strategic Priorities:

When the District acquires properties for future project use, it is often beneficial to lease the lands for cattle grazing to assist with ongoing vegetation and infrastructure management prior to project construction. Three grazing leases in good standing with the District are to be considered for extensions. As part of each extension, the use of fertilizer is prohibited, and the lessees will be required to optimize water storage where appropriate under the District's Dispersed Water Management Program. All lessees are required to adhere to stringent Best Management Practices for cattle grazing and comply with the District's land management requirements. All leased lands are inspected on a semi-annual basis. The leases also include a provision for termination by the District for convenience notice of 180 days. The annual rent is based on the Cattle Grazing Formula provided for in the District's Real Estate Leasing Policy.

Funding Source:

Staff Contact and/or Presenter:

Stephen M. Collins, smcollins@sfwmd.gov, 561-682-2959

ATTACHMENTS:

MEMORANDUM

TO: Governing Board Members

FROM: Stephen M. Collins, Real Estate & Land Management

DATE: October 14, 2021

SUBJECT: Garry Webb, Cattle Grazing Lease, St. Lucie County

Agenda Item Background:

The District currently leases 557.2 acres of uplands in the C-23/C-24 South Reservoir Component of the Indian River Lagoon - South Project in St. Lucie County for cattle grazing. This lease requires low density grazing of one animal unit per six acres. This initial lease to Mr. Webb started in May 2005 and continued until December 2016 when Mr. Webb was the highest responsive and responsible bidder on a new Request for Bid. The District and the Lessee wish to extend the term of the lease by five years. The Lessee is aware of the anticipated construction schedule start date for the C-23/C-24 South Reservoir project is around 2024. The approximate annual revenue is \$10,300.

Core Mission and Strategic Priorities:

The District initially acquired this property in May 2005, located in the Indian River Lagoon – South Project, St. Lucie County. Initially the property was in the Cypress Creek Complex Component; however, the project boundary modification in 2020 added the property to the C-23/C-24 South Reservoir Component. The District currently leases 557.2 acres to Garry Webb for cattle grazing. This was a lease assignment to the District that started on May 13, 2005, when the property was acquired. In July 2016, a Request for Bid was issued and Garry Webb, the existing lessee, was determined to be the highest responsive and responsible bidder. The amended and restated contract was effective December 16, 2016 and expires December 14, 2021. The District and the Lessee wish to extend the term of the lease by five years. This lease requires low density grazing of one animal unit per six acres. As part of this extension, the use of fertilizer is prohibited, and the Lessee will be required to optimize water storage under the District's Dispersed Water Management Program. The lessee is required to adhere to stringent Best Management Practices for cattle grazing and comply with the District's land management requirements. All leased lands are inspected on a semi-annual basis. The Lessee is aware of the anticipated construction schedule start date for the C-23/C-24 South Reservoir project around 2024 and termination by the District for convenience notice is 180 days. The annual rent is based on the Cattle Grazing Formula provided for in the District's Real Estate Leasing Policy. The approximate annual revenue is \$10,300.

Core Mission and Strategic Priorities:

The objective of this Lease is to obtain assistance in the stewardship and maintenance of this land by utilizing beef cattle grazing as a tool in the maintenance of pastures and native range and provide revenue for the maintenance and management of District lands. The revenues generated from these leases will assist Land Management in managing these and other District-owned lands.

Funding Source:

There are no District costs associated with this item other than the cost of administering the lease. The Lease is estimated to bring in anticipated revenue of approximately \$51,500 over the five-year term.

Staff Contact and/or Presenter:

Stephen M. Collins, smcollins@sfwmd.gov, 561-682-2959

ATTACHMENTS:

[Resolution 2021-1002](#)

[ExhibitA.pdf](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 2021 - 1002

A Resolution of the Governing Board of the South Florida Water Management District authorizing a five-year cattle grazing lease extension to Garry Webb on 557.2 acres, more or less, in St. Lucie County, as more particularly described herein; providing an effective date. (Contract No. 4600000120)

WHEREAS, the Governing Board, pursuant to Section 373.093, Florida Statutes, may lease lands or interests in land under terms and conditions determined by the Governing Board; and

WHEREAS, the District and the Lessee desire to extend the Lease Contract No. 4600000120, Lease Encumbrance ID KE10E-059, for five years; and

WHEREAS, the Lessee's main use of the premises is cattle grazing, which will assist in the stewardship of pastures and native range; and

WHEREAS, the Lessee's current lease started on May 13, 2005 via a lease assignment and expires December 14, 2021. The proposed amendment will be for a lease extension for five years, with an expiration date of December 14, 2026; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it appropriate and in the public interest to authorize the five-year extension for cattle grazing on 557.2 acres, more or less, in St. Lucie County, see Exhibit "A," with five-year anticipated revenue in the amount of approximately \$51,500.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes a five-year extension for Contract No. 4600000120 for a cattle grazing lease with Garry Webb on 557.2 acres, more or less, in St. Lucie County.

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th day of October, 2021.

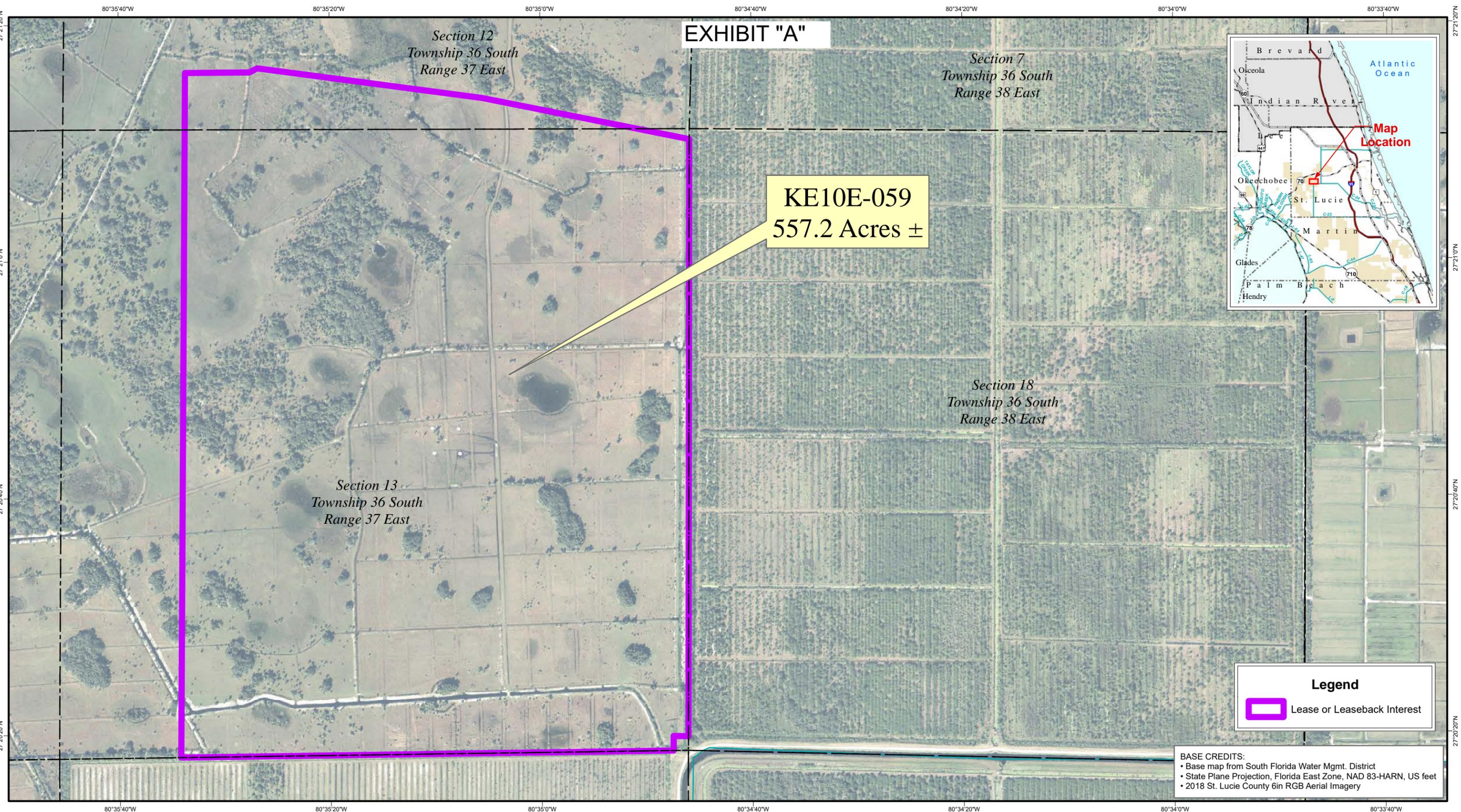


EXHIBIT "A"

KE10E-059
557.2 Acres ±



Legend

 Lease or Leaseback Interest

BASE CREDITS:

- Base map from South Florida Water Mgmt. District, February 2017
- State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
- Hendry 2017 6in Aerial

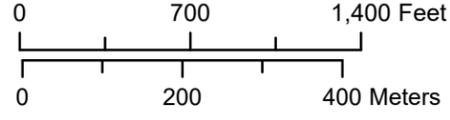


BASE CREDITS:

- Base map from South Florida Water Mgmt. District, February 2017
- State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
- Hendry 2017 6in Aerial

South Florida Water Management District
 3301 Gun Club Rd, West Palm Beach, FL 33406
 (561) 686-8800; www.sfwmd.gov

Encumbrance KE10E-059
Saint Lucie County, Florida



IMPORTANT DISCLAIMER:
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Map Date: June 2021

MEMORANDUM

TO: Governing Board Members

FROM: Stephen M. Collins, Real Estate & Land Management

DATE: October 14, 2021

SUBJECT: Prescott Family Ranch, LLC, Cattle Grazing Lease, Okeechobee County

Agenda Item Background:

The District currently leases 1,403.28 acres for cattle grazing located in the Lake Okeechobee Watershed Restoration Project in Okeechobee County. This lease requires very low-density grazing of one animal unit per 10 acres. This lease to Prescott Family Ranch, LLC, started on January 1, 1991 as a lease reservation by the seller. The lease was amended several times and is set to expire on December 31, 2021. The District and the Lessee wish to extend the term of the lease by five years. The Lessee is aware that the anticipated wetland restoration schedule start date for the Paradise Run Wetland project will occur prior to the planned expiration of the extended lease. The approximate annual revenue is \$16,100.

Core Mission and Strategic Priorities:

The District initially acquired this property in January 1991, located in the Lake Okeechobee Watershed Restoration Project, Okeechobee County. The acquired lands for this project will restore the hydrology of wetlands in the watershed. The District currently leases 1,403.28 acres to Prescott Family Ranch, LLC, for cattle grazing. This lease started on January 1, 1991 as a lease reservation by the seller. It was amended several times and is set to expire on December 31, 2021. The District and the Lessee wish to extend the term of the lease by five years. This lease requires very low-density grazing of one animal unit per 10 acres. As part of this extension, the use of fertilizer is prohibited, and the Lessee will be required to optimize water storage under the District's Dispersed Water Management Program. The lessee is required to adhere to stringent Best Management Practices for cattle grazing and comply with the District's land management requirements. All leased lands are inspected on a semi-annual basis. The lease has a provision for termination by the District for convenience of 180 days. The annual rent is based on the Cattle Grazing Formula provided for in the District's Real Estate Leasing Policy. The approximate annual revenue is \$16,100.

Core Mission and Strategic Priorities:

The objective of this Lease is to obtain assistance in the stewardship and maintenance of this land by utilizing beef cattle grazing as a tool in the maintenance of pastures and native range and provide revenue for the maintenance and management of District lands. The revenues generated from these leases will assist Land Management in managing these and other District-owned lands.

Funding Source:

There are no District costs associated with this item other than the cost of administering the lease. The Lease is estimated to bring in anticipated revenue of approximately \$80,500 over the five-year term.

Staff Contact and/or Presenter:

Stephen M. Collins, smcollins@sfwmd.gov, 561-682-2959

ATTACHMENTS:

[Resolution 2021-1003](#)

[ExhibitA.pdf](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 2021 - 1003

A Resolution of the Governing Board of the South Florida Water Management District authorizing a five-year cattle grazing lease extension to Prescott Family Ranch, LLC on 1,403.28 acres, more or less, in Okeechobee County, as more particularly described herein; providing an effective date. (Contract No. 4600002168)

WHEREAS, the Governing Board, pursuant to Section 373.093, Florida Statutes, may lease lands or interests in land under terms and conditions determined by the Governing Board; and

WHEREAS, the District and the Lessee desire to extend the Lease Contract No. 4600002168, Lease Encumbrance ID 3910E-027, for five years; and

WHEREAS, the Lessee's main use of the premises is cattle grazing, which will assist in the stewardship of pastures and native range; and

WHEREAS, the Lessee's current lease started on January 29, 1991 via a reservation and expires December 31, 2021. The proposed amendment will be for a lease extension for five years, with an expiration date of December 31, 2026; and

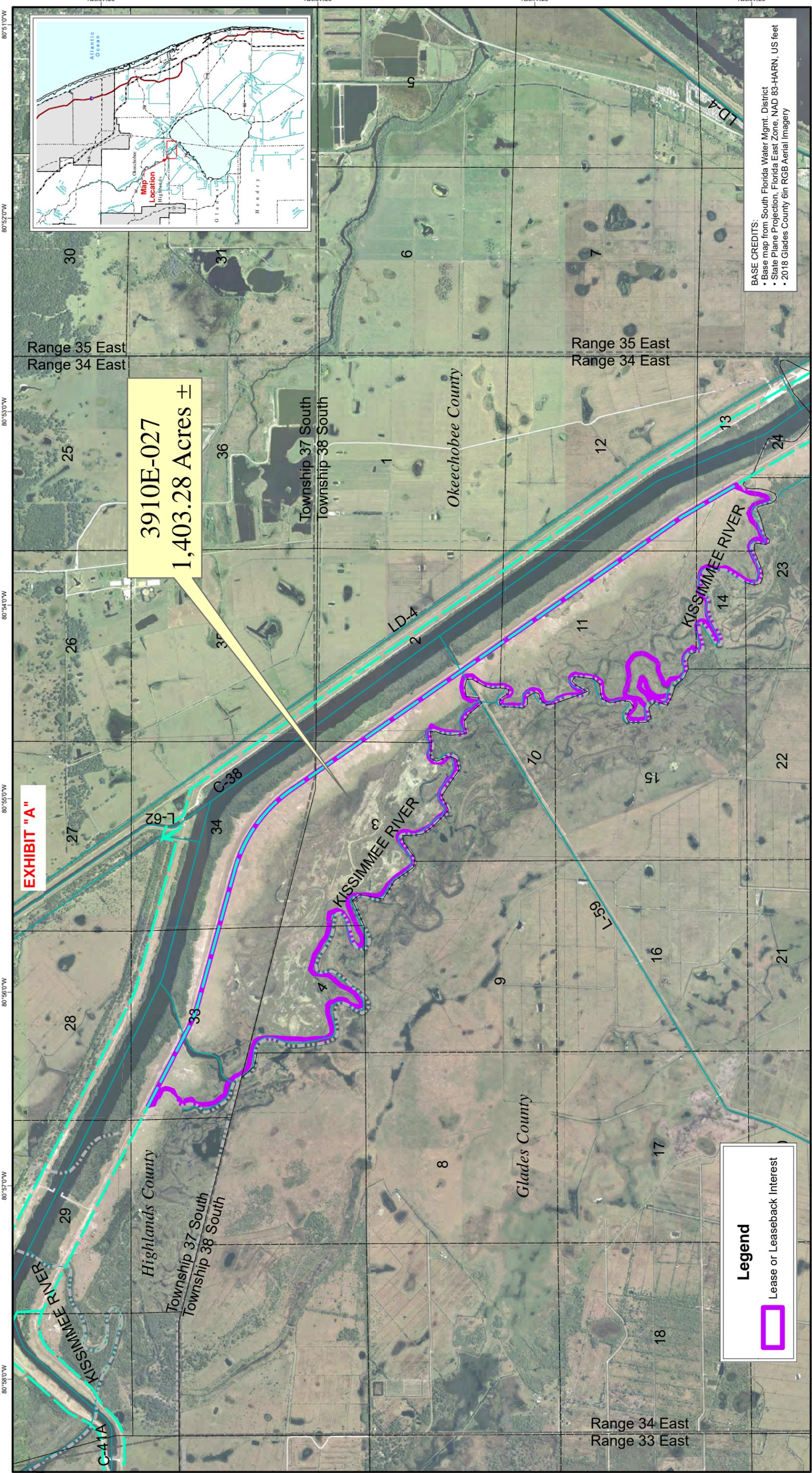
WHEREAS, the Governing Board of the South Florida Water Management District deems it appropriate and in the public interest to authorize the five-year extension for cattle grazing on 1,403.28 acres, more or less, in Okeechobee County, see Exhibit "A," with five-year anticipated revenue in the amount of approximately \$80,500.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes a five-year extension for Contract No. 4600002168 for a cattle grazing lease with Prescott Family Ranch, LLC on 1,403.28 acres, more or less, in Okeechobee County. (Contract No. 4600002168)

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th day of October, 2021.



3910E-027
1,403.28 Acres ±

EXHIBIT "A"

Legend

 Lease or Leaseback Interest

BASE CREDITS:

- Base map from South Florida Water Mgmt. District
- State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
- 2018 Glades County 6in RGB Aerial Imagery



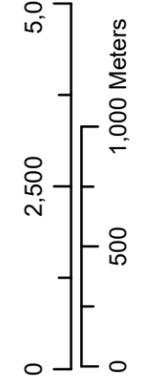
BASE CREDITS:

- Base map from South Florida Water Mgmt. District, February 2017
- State Plane Projection, Florida East Zone, NAD 83-HARN, US feet
- Hendry 2017 6in Aerial

South Florida Water Management District
 3301 Gun Club Rd. West Palm Beach, FL 33406
 (561) 686-8800; www.sfwmd.gov

Encumbrance 3910E-027

Okeechobee County, Florida



IMPORTANT DISCLAIMER:
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Map Date: June 2020



MEMORANDUM

TO: Governing Board Members

FROM: Stephen M. Collins, Real Estate & Land Management

DATE: October 14, 2021

SUBJECT: El Maximo Ranch Holdings LLC, Cattle Grazing Lease, Osceola County

Agenda Item Background:

The District currently leases 4,383 acres along the eastern side of the Kissimmee River (C-38 Canal) in Osceola County, just south of Highway 60, to El Maximo Ranch Holdings LLC for cattle grazing. This lease requires very low-density grazing of one animal unit per 20 acres. This lease started in 1996 as a reservation by the seller and was assigned to the new owner of the adjacent property in April 2018. Because the leased area is along the northern portion of the Kissimmee River and not planned for restoration, the District and the Lessee wish to extend the term of the lease by ten years. The approximate annual revenue is \$26,000.

Core Mission and Strategic Priorities:

The District initially acquired this property in September 1996, located in the Kissimmee River Project, Osceola County. The District currently leases 4,383 acres to El Maximo Ranch Holdings LLC for cattle grazing. The original seller, Latt Maxcy Corporation, retained a Use and Occupancy Reservation that started on September 16, 1996. In 2006, a new lease was prepared, amended twice and is set to expire on December 5, 2021. Effective April 25, 2018, Latt Maxcy Corporation assigned the lease to El Maximo Ranch Holdings LLC. The District and the Lessee wish to extend the term of the lease by ten years. This lease requires very low density grazing of one animal unit per 20 acres. As part of this extension, the use of fertilizer is prohibited, and the Lessee will be required to optimize water storage under the District's Dispersed Water Management Program. The lessee is required to adhere to stringent Best Management Practices for cattle grazing and comply with the District's land management requirements. All leased lands are inspected on a semi-annual basis. The lease has a provision for termination by the District for convenience of 180 days. The annual rent is based on the Cattle Grazing Formula provided for in the District's Real Estate Leasing Policy. The approximate annual revenue is \$26,000.

Core Mission and Strategic Priorities:

The objective of this Lease is to obtain assistance in the stewardship and maintenance of this land by utilizing beef cattle grazing as a tool in the maintenance of pastures and native range and provide revenue for the maintenance and management of District lands. The revenues generated from these leases will assist Land Management in managing these and other District-owned lands.

Funding Source:

There are no District costs associated with this item other than the cost of administering the lease. The Lease is estimated to bring in anticipated revenue of approximately \$260,000 over the ten-year term.

Staff Contact and/or Presenter:

Stephen M. Collins, smcollins@sfwmd.gov, 561-682-2959

ATTACHMENTS:

[Resolution 2021-1004](#)

[ExhibitA.pdf](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 2021 - 1004

A Resolution of the Governing Board of the South Florida Water Management District authorizing a ten-year cattle grazing lease extension to El Maximo Ranch Holdings LLC on 4,383 acres, more or less, in Osceola County, as more particularly described herein; providing an effective date. (Contract No. 3600000718)

WHEREAS, the Governing Board, pursuant to Section 373.093, Florida Statutes, may lease lands or interests in land under terms and conditions determined by the Governing Board; and

WHEREAS, the District and the Lessee desire to extend the Lease Contract No. 3600000718, Lease Encumbrance ID 1910E-005, for ten years; and

WHEREAS, the Lessee's main use of the premises is cattle grazing, which will assist in the stewardship of pastures and native range; and

WHEREAS, the Lessee's current lease started on September 16, 1996 via a Use and Occupancy Reservation and expires December 5, 2021. The proposed amendment is for a ten-year lease extension, with an expiration date of December 5, 2031; and

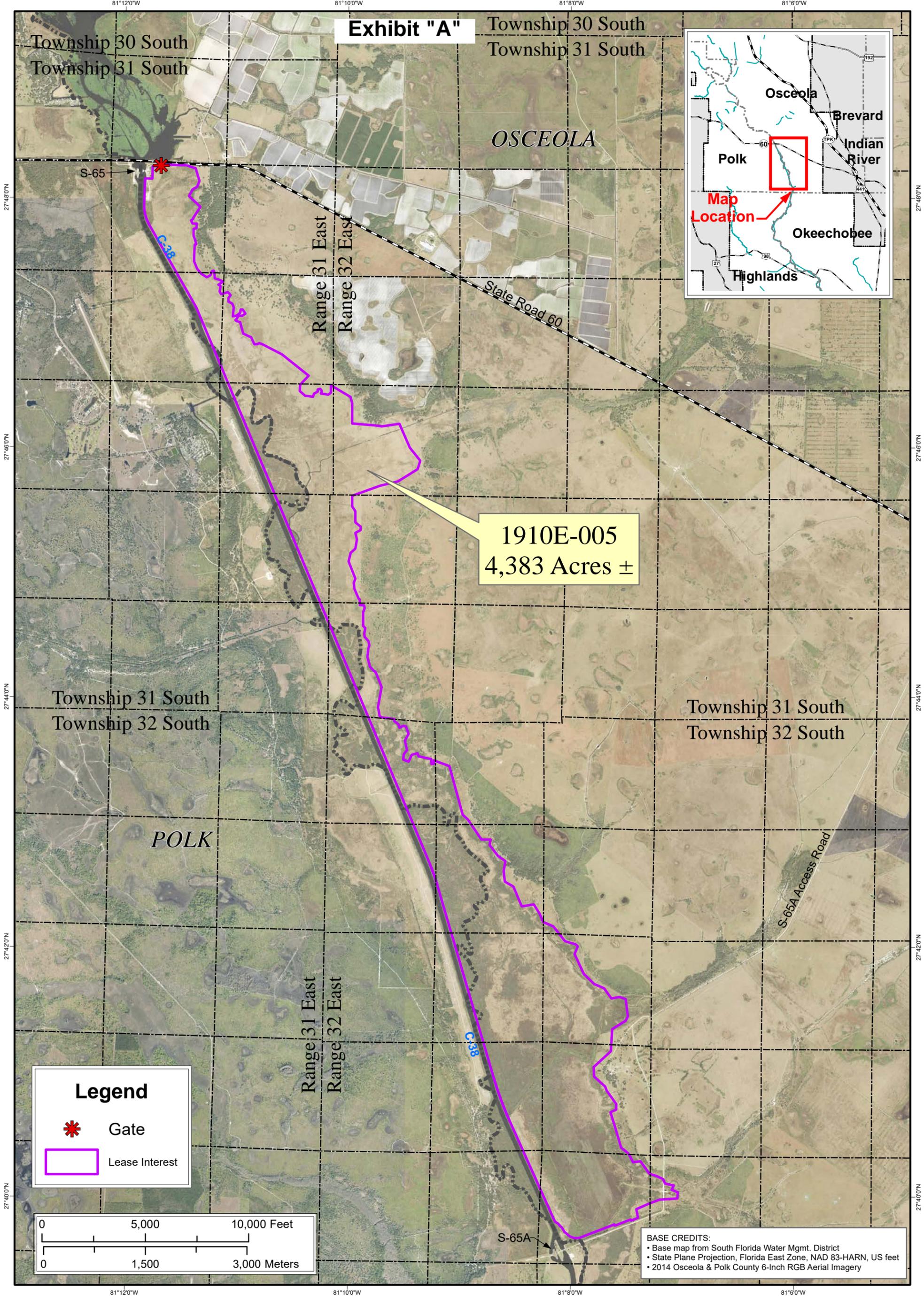
WHEREAS, the Governing Board of the South Florida Water Management District deems it appropriate and in the public interest to authorize the ten-year extension for cattle grazing on 4,383 acres, more or less, in Osceola County, see Exhibit "A," with ten-year anticipated revenue in the amount of approximately \$260,000.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes a ten-year extension for Contract No. 3600000718 for a cattle grazing lease with El Maximo Ranch Holdings LLC on 4,383 acres, more or less, in Osceola County.

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th of October, 2021.



Encumbrance 1910E-005 Osceola & Polk County, FL

IMPORTANT DISCLAIMER:
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Map Date: August 2021



MEMORANDUM

TO: Governing Board Members

FROM: Stephen M. Collins, Real Estate & Land Management

DATE: October 14, 2021

SUBJECT: Kissimmee Chain of Lakes Cattle Grazing Lease Extensions, Osceola and Polk Counties

Agenda Item Background:

The District wishes to extend the following six Kissimmee Chain of Lakes (KCOL) cattle grazing leases for approximately three years with a 60-day termination notice for convenience:

1. Bronsons, LLP - Contract Number 4600001440
2. Lightsey Cattle Company, LLC - Contract Number 4600003925
3. Lightsey Cattle Company, LLC - Contract Number 4600003923
4. Overstreet, Rawlins J. and Sharon C. - Contract Number 4600003917
5. Vida Management, Inc. - Contract Number 4600003927
6. Lightsey Cattle Company, LLC - Contract Number 3600000719

The leases currently expire between November 6 and December 31, 2021. All six leases will have a new expiration date of December 31, 2024. The Kissimmee River Headwaters Lake Regulation Schedule will increase water levels in the KCOL when the new regulation schedule is implemented. The short 60-day termination clause will allow either the District or the Lessee to terminate the lease making them compatible with the project implementation schedule.

These leases require a low ratio of acres per cow. As part of this extension, the use of fertilizer is prohibited, and the Lessees will be required to adhere to stringent Best Management Practices for cattle grazing and comply with the District's land management requirements. All leased lands are inspected on a semi-annual basis. The Lessees are aware of the anticipated implementation schedule for the KCOL project. The annual rent is based on the Cattle Grazing Formula provided for in the District's Real Estate Leasing Policy.

Core Mission and Strategic Priorities:

The District wishes to extend the following six Kissimmee Chain of Lakes (KCOL) cattle grazing leases for approximately three years with a 60-day termination notice for convenience:

1. Bronsons, LLP - Contract Number 4600001440
2. Lightsey Cattle Company, LLC - Contract Number 4600003925
3. Lightsey Cattle Company, LLC - Contract Number 4600003923
4. Overstreet, Rawlins J. and Sharon C. - Contract Number 4600003917
5. Vida Management, Inc. - Contract Number 4600003927
6. Lightsey Cattle Company, LLC - Contract Number 3600000719

The leases currently expire between November 6 and December 31, 2021. All six leases will have a new expiration date of December 31, 2024. The Kissimmee River Headwaters Lake Regulation Schedule will increase water levels in the KCOL when the new regulation schedule

is implemented. The short 60-day termination clause will allow either the District or the Lessee to terminate the lease making them compatible with the project implementation schedule.

These leases require a low ratio of acres per cow. As part of this extension, the use of fertilizer is prohibited, and the Lessees will be required to adhere to stringent Best Management Practices for cattle grazing and comply with the District's land management requirements. All leased lands are inspected on a semi-annual basis. The Lessees are aware of the anticipated implementation schedule for the KCOL project. The annual rent is based on the Cattle Grazing Formula provided for in the District's Real Estate Leasing Policy.

Core Mission and Strategic Priorities:

The objective of these lease extensions is to obtain assistance in the stewardship and maintenance of this land by utilizing beef cattle grazing as a tool in the maintenance of pastures and native range and provide revenue for the maintenance and management of District lands. The revenues generated from these leases will assist Land Management in managing these and other District-owned lands.

Funding Source:

There are no District costs associated with this item other than the cost of administering the leases. The leases are estimated to bring in anticipated revenue of approximately \$71,300 for one year.

Staff Contact and/or Presenter:

Stephen M. Collins, smcollins@sfwmd.gov, 561-682-2959

ATTACHMENTS:

[Resolution 2021-1005](#)

[ExhibitA.pdf](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2021 - 1005

A Resolution of the Governing Board of the South Florida Water Management District authorizing a three-year extension on six KCOL cattle grazing leases on 14,036.92 acres, more or less, in Osceola and Polk counties with Bronsons, LLP; Lightsey Cattle Company, LLC (three leases); Rawlins J. and Sharon C. Overstreet; and Vida Management, Inc., as more particularly described herein; providing an effective date. (Contract Nos. 4600001440, 4600003925, 4600003923, 4600003917, 4600003927, 3600000719)

WHEREAS, the Governing Board, pursuant to Section 373.093, Florida Statutes, may lease lands or interests in land under terms and conditions determined by the Governing Board; and

WHEREAS, the District and the Lessees desire to extend the Lease Agreements on the premises known as Lease Encumbrance IDs 1820E-018, 1820E-020, 1820E-034, 1820E-033, 1820E-017 and 18200-015, to December 31, 2022, see Exhibit "A"; and

WHEREAS, the District may terminate the Lease Agreements any time for convenience by providing at least 60 days prior written notice to Lessee; and

WHEREAS, the Lessee's main use of the premises is cattle grazing, which will assist in the stewardship of pastures and native range; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it appropriate and in the public interest to approve the lease extensions on the above contracts until December 31, 2024, on 14,036.92 acres, more or less, in Osceola and Polk counties, with anticipated revenue in the amount of approximately \$71,300 annually.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes a three-year extension of Contract Nos. 4600001440, 4600003925, 4600003923, 4600003917, 4600003927 and 3600000719, to December 31, 2024 for cattle grazing leases on 14,036.92 acres, more or less, in Osceola and Polk Counties.

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th day of October, 2021.

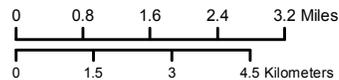
EXHIBIT "A"



KCOL Lease Extensions



South Florida Water Management District
 3301 Gun Club Road, West Palm Beach, Florida 33406
 561-686-8800; www.sfwmd.gov



DISCLAIMER:
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M E M O R A N D U M

TO: Governing Board Members

FROM: Rich Virgil, Field Operations Division

DATE: October 14, 2021

SUBJECT: Right of Way Occupancy Permit Requests

Agenda Item Background:

Right of Way Permits protect the District's ability to effectively and safely use the canal and levee rights of way in the regional system while providing for compatible public and private uses such as docks, fences or walkways. The regional system includes canals and levees, major rivers and lakes, water conservation areas, the works of the Big Cypress Basin and certain other canals and rights of way.

Core Mission and Strategic Priorities:

Funding Source:

Staff Contact and/or Presenter:

Rich Virgil

ATTACHMENTS:

MEMORANDUM

TO: Governing Board Members

FROM: Rich Virgil, Field Operations Division

DATE: October 14, 2021

SUBJECT: City of Lauderdale Lakes

Agenda Item Background:

The City of Lauderdale Lakes is applying to modify its existing Standard Right of Way Occupancy Permit No. 12550 (Application) to allow the expansion of a previously authorized linear park within the north right of way of the C-13 Canal from N.W. 31st Avenue to N.W. 29th Avenue. If approved, the new linear park segment will link existing linear parks to the west and east within the C-13 Canal right of way. The proposed linear park expansion is planned to include a 1/4-mile long, 10-foot wide pedestrian/bicycle path, native landscaping, and pathway lighting. The proposed linear park complies with all District requirements and no waivers of any rules are necessary. The Application has been reviewed by District Field Operations and the U.S. Army Corps of Engineers (USACE) which has granted Section 408 authorization. If approved, the proposed path will not impact the District's ability to perform operations, maintenance, or construction within the right of way. As a condition of the permit, the City of Lauderdale Lakes will be responsible for maintaining the improvements and the right of way, which is a benefit to the District.

Core Mission and Strategic Priorities:

Funding Source:

Staff Contact and/or Presenter:

Rich Virgil, rvirgil@sfwmd.gov, 561-682-6759

ATTACHMENTS:

[ROW Permit Req Lauderdale Lakes](#)

RIGHT OF WAY OCCUPANCY PERMIT (ROW PERMIT) MODIFICATIONS

Applicant	City of Lauderdale Lakes
Application Number	20-1222-3M
Canal	C-13 Canal
Location	North Right of Way of C-13 Canal Between N.W. 31st Avenue and N.W. 29th Avenue
Proposed Improvements to be Authorized by Modification of ROW Permit 12550	Extension of an authorized linear park with a 1/4-mile long, 10-foot wide pedestrian bicycle path, native landscaping, and pathway lighting

SUMMARY

The City of Lauderdale Lakes (Applicant) requests modification of its existing Standard Right of Way Occupancy Permit No. 12550 (Application) to allow the expansion of a previously authorized linear park within the north right of way of the C-13 Canal from N.W. 31st Avenue to N.W. 29th Avenue. If approved, the new linear park segment will link existing linear parks to the west and east within the C-13 Canal right of way. The proposed linear park expansion is planned to include a 1/4-mile long, 10-foot wide pedestrian/bicycle path, native landscaping, and pathway lighting.

Linear parks can only be authorized by issuance of a Standard Right of Way Occupancy Permit, which is a permit type that must be approved by the District's Governing Board. The proposed linear park complies with all District requirements and no waivers of any rules are necessary.

The Application has been reviewed by District Field Operations and the U.S. Army Corps of Engineers which has granted Section 408 authorization. If approved, the proposed path will not impact the District's ability to perform operations, maintenance, or construction within the right of way. As a condition of the permit, the Applicant will be responsible for maintaining the improvements and the right of way, which is a benefit to the District.

RECOMMENDATION

Staff recommends **approval** of issuance of a modification of Standard Right of Way Occupancy Permit Number 12550 (Application 20-1222-3M).

(Fee & Easement)

**City of Lauderdale Lakes
Expansion of a Previously Authorized Linear Park
C-13 Canal – Broward County
Modification of Standard Right of Way Occupancy Permit No. 12550**

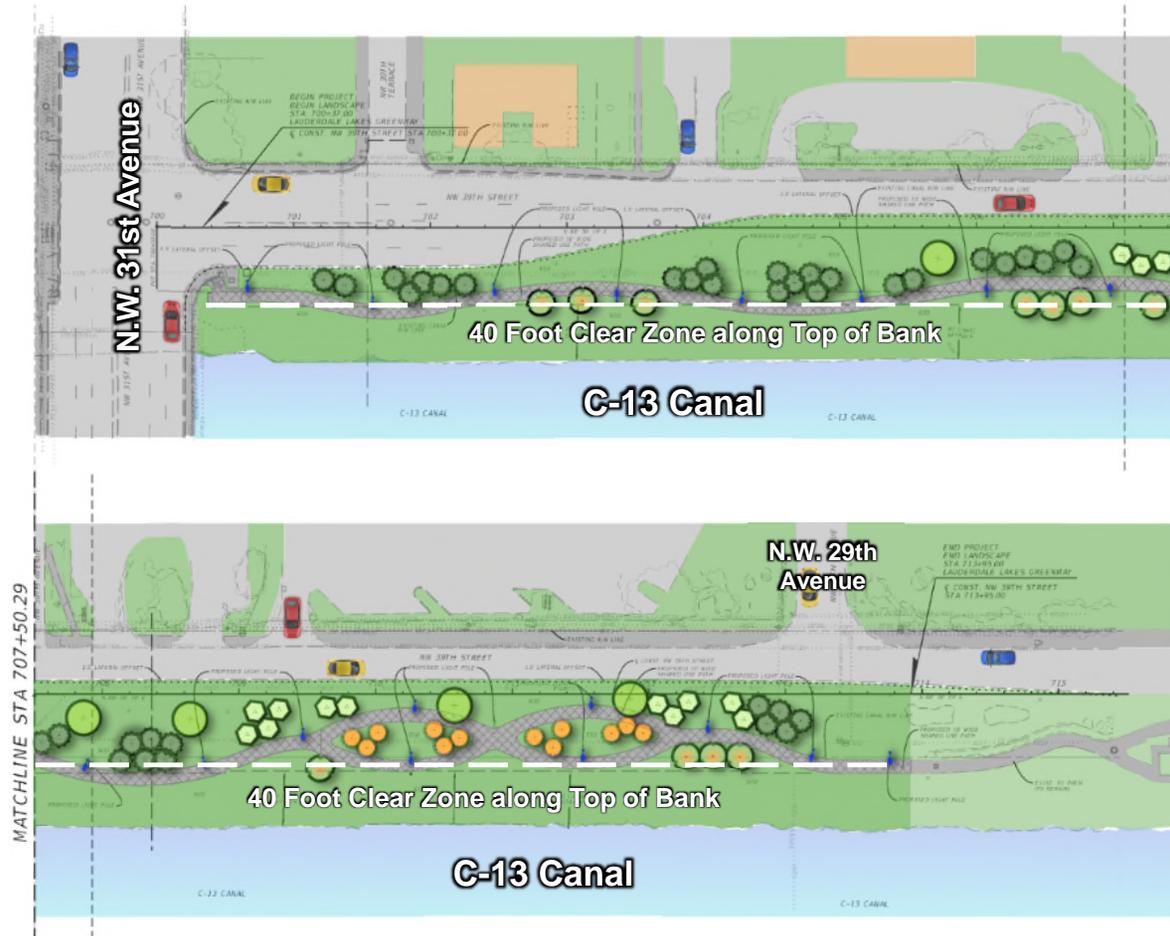
**John R. Hixenbaugh, J.D., AICP
Right of Way Section Administrator
South Florida Water Management District
Governing Board Meeting
October 14, 2021**

Application Information and Location Map

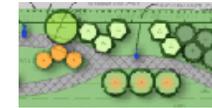
- **Applicant:** City of Lauderdale Lakes
- **Permit Number:** 12550-M
- **Application Number:** 20-1222-3M
- **Canal:** C-13
- **Location:** North side of the C-13 Canal right of way from N.W. 31st Avenue to N.W. 29th Avenue
- **Request:** Modification of the City's existing Standard Right of Way Occupancy Permit 12550 to allow a linear park expansion with a pedestrian/bicycle path, landscaping and pathway lighting.



Site Plan



LEGEND



Trees (typical)



Pathway Light (typical)



Pedestrian/Bicycle Path (10-foot wide)



Project Details and Highlights

- The proposed linear park will link the two existing authorized linear parks in the City of Lauderdale Lakes to the west and the City of Oakland Park to the east.
- Improvements include:
 - A 1/4-mile long, 10-foot wide pedestrian/bicycle path;
 - Native landscaping; and
 - Pathway lighting for evening use.
- No waiver of District criteria is required.
- The City will be required to maintain the improvements and the entire right of way as a condition of the ROW Permit, which is a benefit to the District.

Discussion

MEMORANDUM

TO: Governing Board Members

FROM: Rich Virgil, Field Operations Division

DATE: October 14, 2021

SUBJECT: Central Florida Property Holdings 500, LLC, Right of Way Occupancy Permit Request, Osceola County

Agenda Item Background:

Central Florida Property Holdings 500, LLC, (Applicant) requests a Standard Right of Way Occupancy Permit (ROW Permit) to perform dredging and excavation within the C-30 Canal right of way to construct a 47-acre lake that includes both District right of way and privately-owned lands outside of the right of way. The proposed lake will be located approximately 1,800 feet south of the S-57 Structure between Lake Mary Jane and Lake Myrtle. The lake will serve as a focal point in the Sunbridge development, a 24,000-acre mixed-use community currently under construction in Osceola County. Along with lake construction, the Applicant will be installing articulated block revetment to provide bank stabilization south of the proposed lake to Lake Myrtle. Construction of the lake will take approximately 18-24 months and be completed in four phases.

The District will benefit from approval of the ROW Permit in several ways. The proposed 47-acre lake within the C-30 Canal system provides an opportunity for additional storage upstream of the S-57 Structure. In addition, the required hardening of the bank between the proposed lake and Lake Myrtle will divert future District capital and maintenance costs to the Applicant. To protect the District's taxpayers, the ROW Permit requires the Applicant to post a \$1.2 million cash bond so that the District will have monies available to restore its right of way if the Applicant fails to complete or abandons the project.

The District authorizes dredging in its right of way by issuing a Standard Right of Way Occupancy Permit, which is a permit type that must be approved by the District's Governing Board. The application has been reviewed by District Field Operations and the USACE, which has granted Section 408 authorization for the proposed work in the right of way. If approved, the work within the District's right of way will not impact the District's ability to perform operations or maintenance of the C-30 Canal system. No waivers of any rules are necessary for the ROW Permit to be issued.

Core Mission and Strategic Priorities:

Funding Source:

Staff Contact and/or Presenter:

Rich Virgil, rvirgil@sfwmd.gov, 561-682-6759

ATTACHMENTS:

ROW Permit Request Backup

STANDARD RIGHT OF WAY OCCUPANCY PERMIT (ROW PERMIT) REQUEST

Applicant	Central Florida Property Holdings 500, LLC
Application Number	18-0516-2
Canal	C-30 Canal
Location	Approximately 1,800 feet south of the S-57 Structure between Lake Mary Jane and Lake Myrtle
Proposed Improvements to be Authorized by ROW Permit 15786	Excavation and dredging within the existing right of way to create a 47-acre lake (located within and outside of the right of way), and bank stabilization
ROW Permit Number (proposed)	15786

DISCUSSION

Central Florida Property Holdings 500, LLC (Applicant) requests a Standard Right of Way Occupancy Permit (ROW Permit) to perform dredging and excavation within the C-30 Canal right of way to construct a 47-acre lake that includes both District right of way and privately-owned lands outside of the right of way. The proposed lake will be located approximately 1,800 feet south of the S-57 Structure between Lake Mary Jane and Lake Myrtle. The lake will serve as a focal point in the Sunbridge development, a 24,000-acre mixed-use community currently under construction in Osceola County. Along with lake construction, the Applicant will be installing articulated block revetment to provide bank stabilization south of the proposed lake to Lake Myrtle. Bank stabilization is required to mitigate erosion that would otherwise occur because of boating and other water-related activities.

Construction of the lake will take approximately 18-24 months and be completed in four phases, as follows:

- Phase 1 includes excavation of the lake within the west right of way and privately-owned lands to the west. During this phase, the District's existing north-south access within the west right of way will be maintained and unaffected by construction.
- Concurrent with Phase 1 and prior to Phase 2, the Applicant will construct an alternative District access route from the existing west right of way south of Cyrils Road (proposed) to an existing road (Sun Grove Lane) that the District presently uses for access and which circles Lake Myrtle. The alternative route must be completed and accepted by the District before Phase 2 may proceed.
- Phase 2 includes construction of a bypass canal that will temporarily redirect the C-30 Canal through that portion of the lake constructed within the west right of way. Required canal flow and depth will be maintained to ensure no interruption to the operation of the flood control system. Since construction of the bypass canal will permanently sever the District's existing north-south access, the District will begin using the new alternative access route as its permanent access for operations and maintenance purposes.

- Phase 3 includes excavation of the east side of the lake within the east right of way and privately-owned lands to east.
- Phase 4 completes the lake by removing the remaining right of way land area between the two lake halves excavated in Phases 1 and 3. During this phase, the flow and depth of the C-30 Canal will be restored to its pre-construction location within the District's right of way.
- Throughout construction, the Applicant will be installing approximately 2,800 linear feet of articulated block revetment along the C-30 Canal from the proposed lake south to Lake Myrtle. The District is requiring the revetment to ensure that there will be no erosion of the banks resulting from boating and other water-related activities. The Applicant will be required to maintain the revetment to District standards at its own expense.

The District will benefit from approval of the ROW Permit in several ways. The proposed 47-acre lake within the C-30 Canal system provides an opportunity for additional storage upstream of the S-57 Structure. In addition, the required hardening of the bank between the proposed lake and Lake Myrtle will divert future District capital and maintenance costs to the Applicant. To protect the District's taxpayers, the ROW Permit requires the Applicant to post a \$1.2 million cash bond so that the District will have monies available to restore its right of way if the Applicant fails to complete or abandons the project.

The District authorizes dredging in its right of way by issuing a Standard Right of Way Occupancy Permit, which is a permit type that must be approved by the District's Governing Board. The application has been reviewed by District Field Operations and the U.S. Army Corps of Engineers, which has granted Section 408 authorization for the proposed work in the right of way. If approved, the work within the District's right of way will not impact the District's ability to perform operations or maintenance of the C-30 Canal system. No waivers of any rules are necessary for the ROW Permit to be issued.

RECOMMENDATION

Staff recommends **approval** of issuance of Standard Right of Way Occupancy Permit Number 15786 (Application 18-0516-2).

(Fee)

Modification of the C-30 Canal to Create a 47-Acre Lake and Bank Stabilization

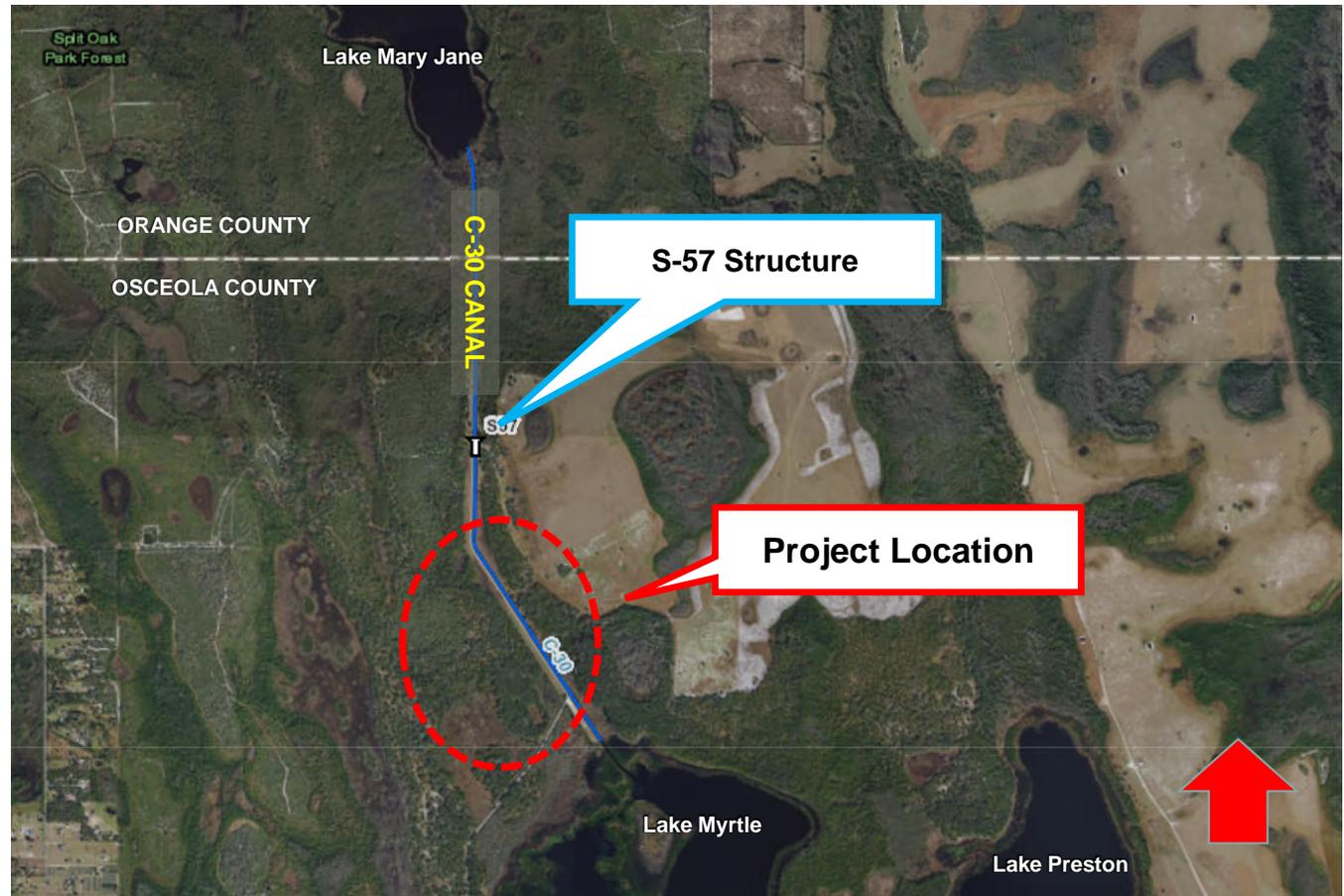
**Central Florida Property Holdings 500, LLC, Applicant
C-30 Canal, Osceola County**

Right of Way Occupancy Permit No. 15786

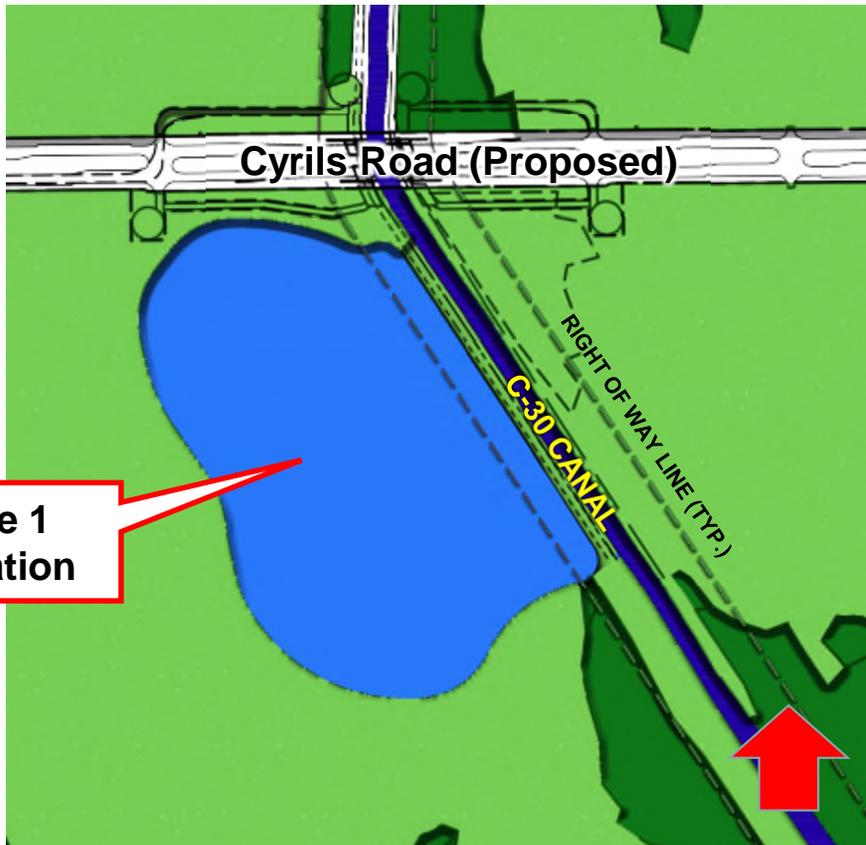
**John R. Hixenbaugh, J.D, AICP
Right of Way Section Administrator
South Florida Water Management District
Governing Board Meeting
October 14, 2021**

General Location Map

- **Applicant:** Central Florida Property Holdings 500, LLC
- **Permit No.:** 15786
- **Application No.:** 18-0516-2
- **Location:** C-30 Canal, approximately 1,800 feet south of the S-57 Structure, Osceola County
- **Proposed Work:** Excavation and dredging within the existing right of way to create a 47-acre lake (located within and outside of the right of way), and bank stabilization. The lake will serve as a focal point in the Sunbridge development, a 24,000-acre mixed-use community currently under construction.
- **Request:** Issuance of Standard Right of Way Occupancy Permit Number 15786.

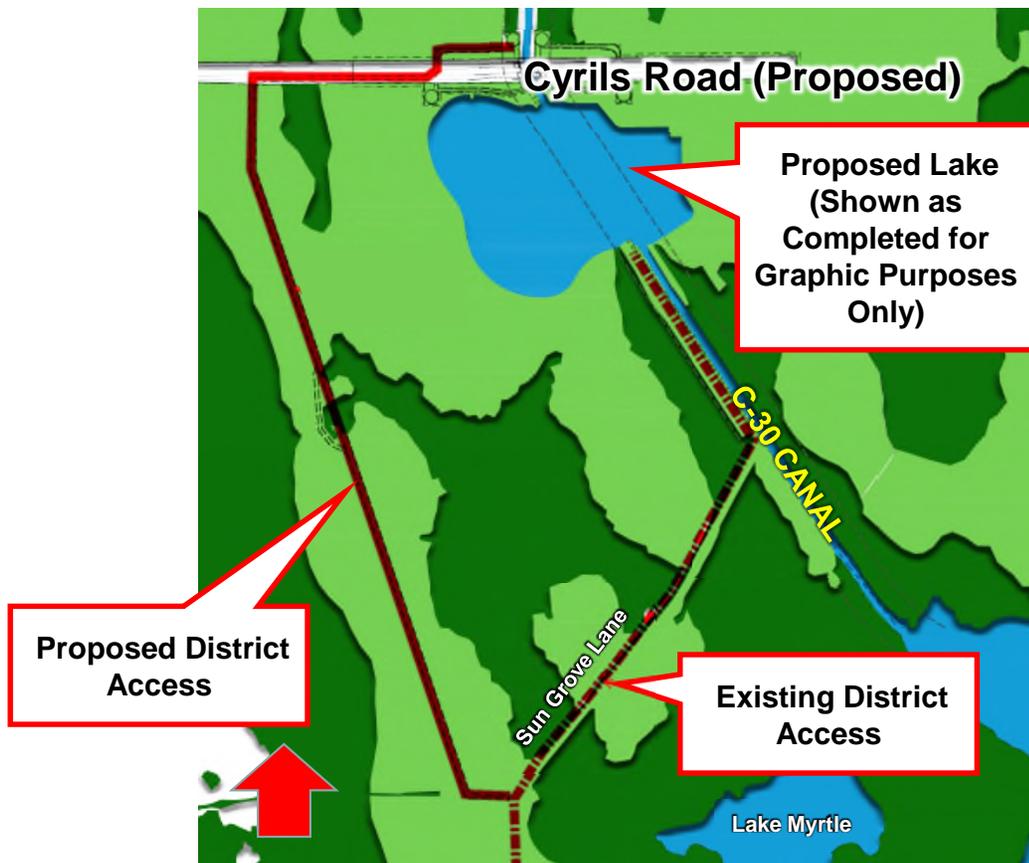


Project Overview - Phase 1



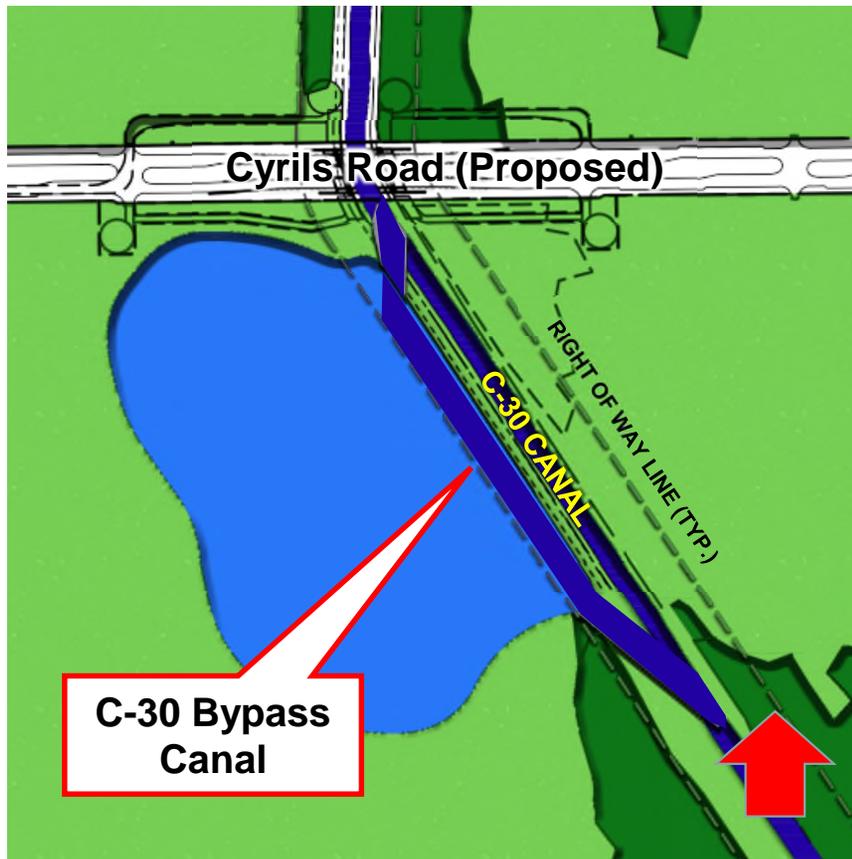
- Excavation of lake west of C-30 Canal (includes excavation within the right of way).
- C-30 Canal and flow remains in existing condition.
- Existing District access maintained.

Project Overview Showing Alternative District Access



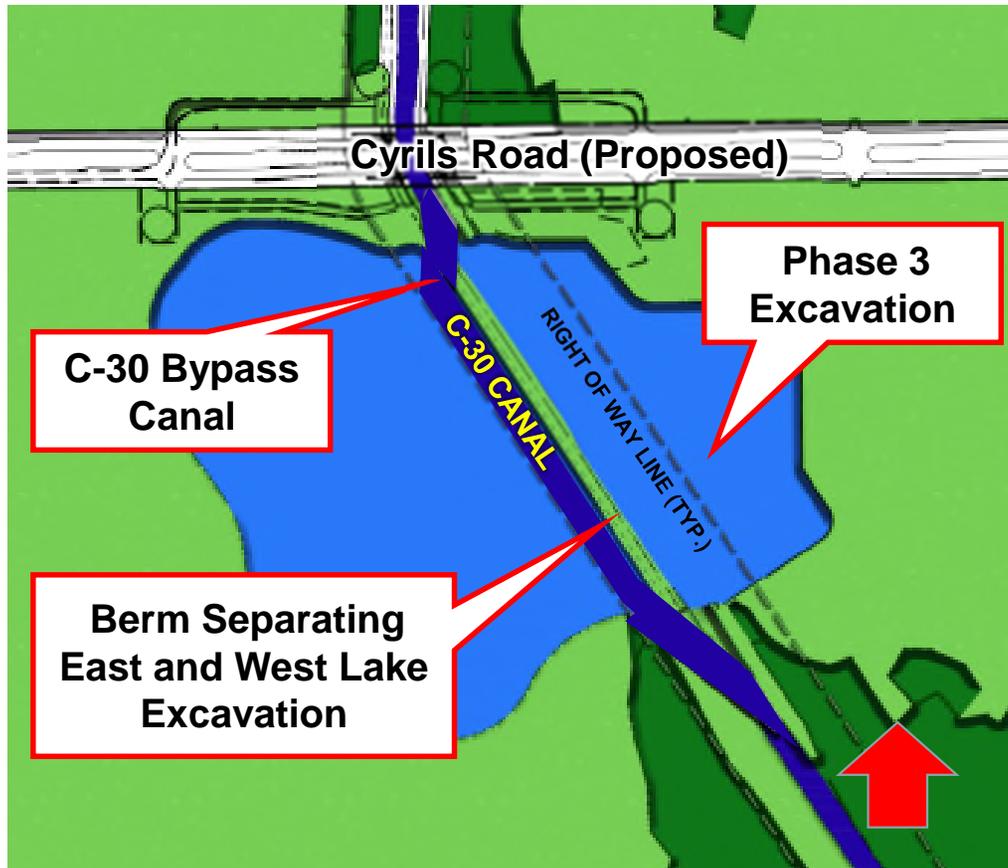
- Alternate District access route must be constructed and accepted by the District prior to commencement of Phase 2.
- The alternative route will provide District access from the existing west right of way south of Cyrils Road to an existing road (Sun Grove Lane) that the District uses for access that circles Lake Myrtle.

Project Overview - Phase 2



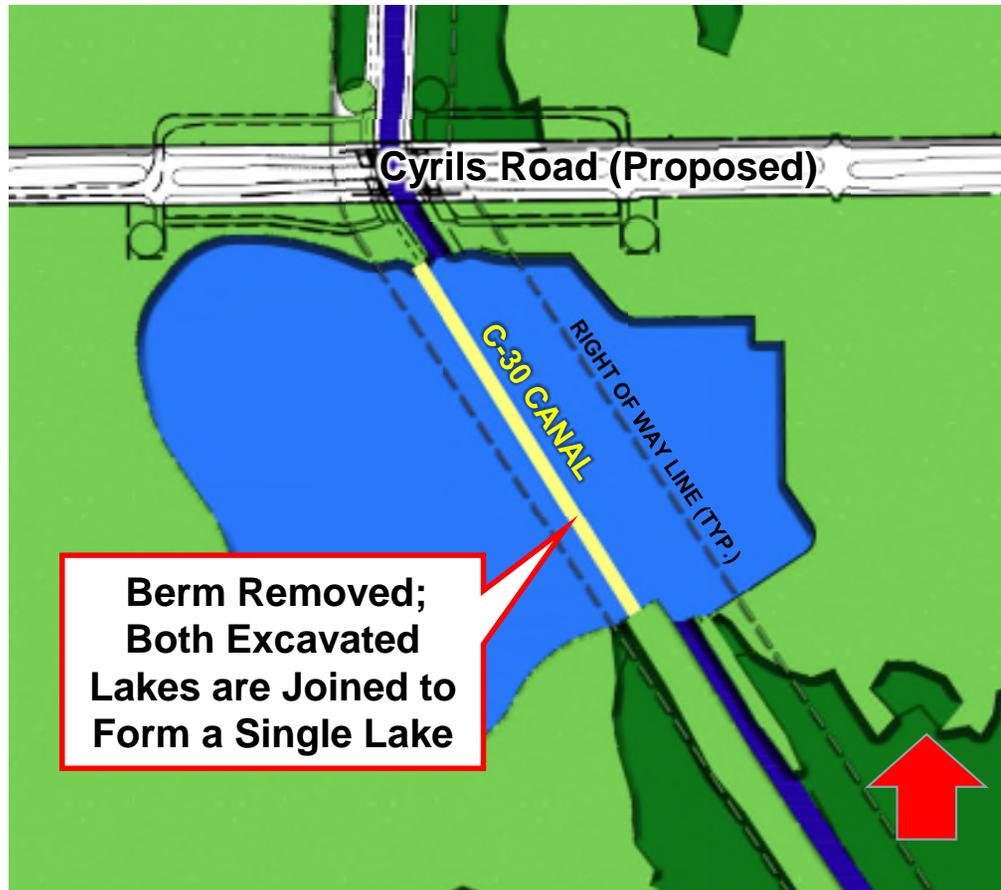
- Bypass canal constructed to direct C-30 canal flow through western excavated section of the lake.
- C-30 Canal flow to be maintained at all times.
- Completion and acceptance of alternate District access route (*shown on previous slide*) allows for construction of the bypass canal which severs the existing District access within the west right of way of the C-30 Canal.

Project Overview - Phase 3



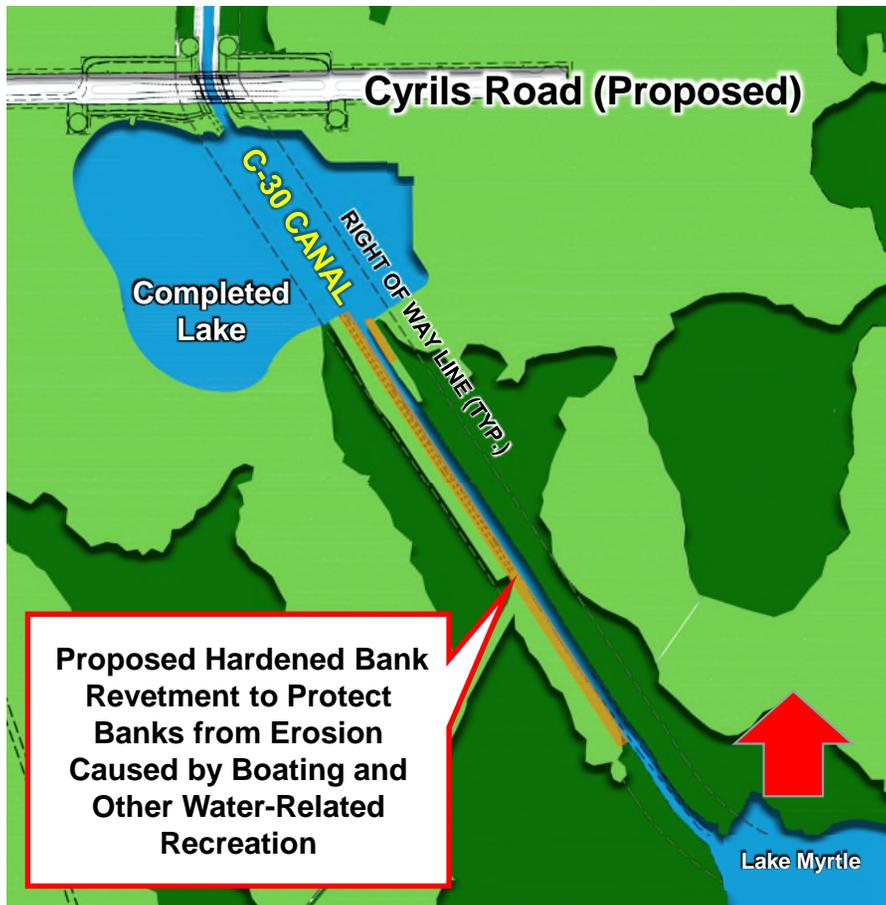
- East side of lake excavated.
- West bank of existing C-30 Canal remains as a berm dividing the east and west excavated areas.

Project Overview - Phase 4



- Berm between east and west portions of lake excavated.
- Excavation depth will equal existing depth of C-30 canal.
- Temporary bypass canal removed.
- C-30 Canal restored to pre-construction flow path.

Project Overview – Bank Revetment South of the Proposed Lake



- Lake is completed.
- Hardened bank revetment (articulated block) installed along the C-30 Canal, except in those areas where no bank is present (e.g., the right of way consists of wetlands).

Project Highlights

- The proposed 47-acre lake within the C-30 Canal system provides an opportunity for additional storage upstream of S-57.
- Required hardening of the bank south of the lake along with the ongoing maintenance responsibility for the revetment will divert future District capital and maintenance costs to the applicant.
- Required cash bond of \$1.2 million will ensure that monies are available to the District should the applicant be unable to complete the project.
- Excavation will remove approximately 1.3 million cubic yards of earth to be used within the Sunbridge development.
- Estimated construction time is 18-24 months.

Project Highlights

- Both the District and U.S. Army Corps of Engineers (USACE) have reviewed the project. Section 408 authorization from USACE has been granted.
- Approval of the permit will not adversely impact the District's ability to perform operations or maintenance of the C-30 Canal.
- No waivers from District rules are required.

Discussion

MEMORANDUM

TO: Governing Board Members

FROM: Lawrence Glenn, Water Resources Division

DATE: October 14, 2021

SUBJECT: 2021 Priority Water Body List and Schedule

Agenda Item Background:

Each year, the water management districts are statutorily required to submit a list and schedule to the Florida Department of Environmental Protection (DEP) prioritizing water bodies for developing minimum flows and levels (MFL) and water reservations. MFLs are the point at which further withdrawals significantly harm the water resources or the ecology of the area. Water reservations protect the water needed for fish and wildlife or public health and safety from being allocated to consumptive uses. A third water resource protection tool are restricted allocation areas (RAAs), which are defined geographic areas where water allocations from specific water resources are limited. The proposed 2021 Priority Water Body List and Schedule includes water reservations and/or RAAs for the Loxahatchee River Watershed Restoration Project and the Lake Okeechobee Watershed Restoration Project and continuing the development of the C-43 Reservoir water control plan (Project Operations Manual).

Core Mission and Strategic Priorities:

Each year, the water management districts are statutorily required to submit a list and schedule to the Florida Department of Environmental Protection (FDEP) prioritizing water bodies for developing minimum flows and levels (MFL) and water reservations. MFLs are the point at which further withdrawals significantly harm the water resources or the ecology of the area. Water reservations protect the water needed for fish and wildlife or public health and safety from being allocated to consumptive uses. A third water resource protection tool are restricted allocation areas (RAAs), which are defined geographic areas where water allocations from specific water resources are limited. The proposed 2021 Priority Water Body List and Schedule includes water reservations and/or RAAs for the Loxahatchee River Watershed Restoration Project and the Lake Okeechobee Watershed Restoration Project and continuing the development of the C-43 Reservoir water control plan (Project Operations Manual).

Core Mission and Strategic Priorities:

The technical processes to establish legal protection of water for the Loxahatchee River and Lake Okeechobee watershed restoration projects along with initiating the water control plan for the C-43 Reservoir are part of the District's core mission and strategic priorities to protect natural systems. Establishment of legal protection of water for CERP projects (i.e., Loxahatchee River and Lake Okeechobee watershed restoration projects) is required before the District and USACE can enter into Pre-Project Agreements (PPAs) for cost-crediting.

Funding Source:

Staff resources, funded with ad valorem sources, are used to complete the technical work

associated with the establishment of MFLs, water reservations, and RAAs.

Staff Contact and/or Presenter:

Sky Notestein, snotestein@sfmwmd.gov, 561-682-2750

Seán Sculley, ssculley@sfwmd.gov, 561-682-6109

ATTACHMENTS:

[Resolution 2021-1006](#)

[Priority Water Body List](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 2021- 1006

A Resolution of the Governing Board of the South Florida Water Management District to authorize submission of the proposed 2021 Priority Water Body List and Schedule for Minimum Flows and Levels and Water Reservations to the Florida Department of Environmental Protection for review and approval pursuant to Section 373.042(3), Florida Statutes; Providing an effective date.

WHEREAS, the South Florida Water Management District (District) is required by Section 373.042(3), Florida Statutes (F.S.), to submit an annual update of the Priority Water Body List for Minimum Flows and Levels and Water Reservations that reflects the District's water resource management priorities, the importance of the waters to the region, and the existence of, or potential for, significant harm to the water resources;

WHEREAS, the water management districts are required to forward the Priority Water Body List and Schedule to the Florida Department of Environmental Protection for its review and approval; and,

WHEREAS, the proposed 2021 Priority Water Body List and Schedule for Minimum Flows and Levels and Water Reservations considers the differing resource issues addressed by minimum flows and levels and water reservations based on staffing and technical resources to ensure successful completion of rulemaking; **now therefore**

BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The District's Governing Board hereby approves transmittal of the 2021 Priority Water Body List and Schedule for Minimum Flows and Levels and Water Reservations to the Florida Department of Environmental Protection for review and approval pursuant to Section 373.042(3), F.S.

Section 2. The 2021 Priority Water Body List and Schedule for Minimum Flows and Levels and Water Reservations is attached hereto and made a part hereof.

PASSED and **ADOPTED** this 14th day of October, 2021.

South Florida Water Management District
2021 Priority Water Body List and Schedule
Minimum Flows and Levels and Reservations

Minimum Flows and Levels:

- None at this time

Reservations:

2021 - 2024 – Water Control Plan for the C-43 Reservoir

- Continue development of the Project Operations Manual (aka Water Control Plan) for the C-43 Reservoir in coordination with federal and state partners
- Rulemaking is not required at this time

2022 - 2023 – Water Reservation or Restricted Allocation Area Rule for the Loxahatchee River Watershed Restoration Project

- Develop a water reservation or expand the boundary of existing restricted allocation area rule (Lower East Coast Regional Water Availability Rule)

2023 - 2024 – Water Reservation or Restricted Allocation Area Rule for the Lake Okeechobee Watershed Restoration Project

- Develop a water reservation or a restricted allocation area rule for the Lake Okeechobee Watershed Restoration Project

MEMORANDUM

TO: Governing Board Members

FROM: Lawrence Glenn, Water Resources Division

DATE: October 14, 2021

SUBJECT: Fiscal Year 2022 Five-Year Water Resource Development Work Program

Agenda Item Background:

The Five-Year Water Resource Development Work Program (Work Program) is an update report that includes a draft evaluation of the Work Program's consistency with the District's regional water supply plans and the adequacy of the proposed expenditures pursuant to Section 373.536, Florida Statutes. The Fiscal Year 2022 Work Program includes the period from October 1, 2021 through September 30, 2026.

The Work Program contains, for example, projects involving water conservation, resource evaluation, and regional water resource development. Within 30 days of budget adoption, the water management districts are required to submit the Work Program to several entities, including the Governor, the President of the Senate, the Speaker of the House of Representatives, and the DEP.

This item also authorizes District staff to address and incorporate appropriate revisions as a result of agency and/or public comment to the Work Program prior to inclusion into the final Fiscal Year 2022 South Florida Environmental Report.

Core Mission and Strategic Priorities:

The Five-Year Water Resource Development Work Program (Work Program) is an update report that includes a draft evaluation of the Work Program's consistency with the District's regional water supply plans and the adequacy of the proposed expenditures pursuant to Section 373.536, Florida Statutes. The Fiscal Year 2022 Work Program includes the period from October 1, 2021 through September 30, 2026.

The Work Program contains, for example, projects involving water conservation, resource evaluation, and regional water resource development. Within 30 days of budget adoption, the water management districts are required to submit the Work Program to several entities, including the Governor, the President of the Senate, the Speaker of the House of Representatives, and the Florida Department of Environmental Protection (DEP).

This item also authorizes District staff to address and incorporate appropriate revisions as a result of agency and/or public comment to the Work Program prior to inclusion into the final Fiscal Year 2022 South Florida Environmental Report.

Additional Background:

Meeting the water needs of the environment and current and future demands of water users is part of the District's core mission. Florida law identifies water resource development projects (primarily the District's responsibility) and water supply development projects (involving public

and private facilities, which are the responsibility of local water users) as two types of projects to meet water needs. Following external review, the Work Program will be incorporated into the Fiscal Year 2022 South Florida Environmental Report, Volume II as Chapter 5A.

Funding Source:

Implementation of the water resource development projects identified in the District's regional water supply plans are funded through a combination of local, District, and state funds, as appropriate and available. The District has allocated over \$491 million in Ad Valorem funding and state funds in Fiscal Year 2022 for Water Resource Development Projects, \$157.2 million of which is associated with operation of the Central and Southern Florida Flood Control Project to provide water supply to the region.

Staff Contact and/or Presenter:

Mark Elsner, melsner@sfwmd.gov, 561-682-6156

ATTACHMENTS:

[Resolution 2021-1007](#)

[FY22 Five-Year Water Resource Development Work Program Draft](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2021 - 1007

A Resolution of the Governing Board of the South Florida Water Management District authorizing the transmittal of the draft Fiscal Year 2022 Five-Year Water Resource Development Work Program pursuant to Section 373.536(6)(a)4., Florida Statutes (F.S.); providing an effective date.

WHEREAS, pursuant to Section 373.536(6)(a)4., F.S., South Florida Water Management District (District) staff prepared the draft Fiscal Year (FY) 2022 Five-Year Water Resource Development Work Program (Work Program);

WHEREAS, the Work Program includes an evaluation of the Work Program's consistency with the furtherance of the District's regional water supply plans and the adequacy of the proposed expenditures;

WHEREAS, the Work Program must be provided to the Governor, the President of the Senate, the Speaker of the House of Representatives, the Florida Department of Environmental Protection (Department), and others within 30 days of final budget adoption for review and comment;

WHEREAS, the Governing Board approved and adopted the District's final budget on September 21, 2021;

WHEREAS, within 45 days of receipt of the Department's evaluation of the Work Program, the Governing Board is required to state in writing to the Department which changes recommended in the evaluation will be incorporated into the Work Program, which is then submitted as part of the Consolidated Water Management District Annual Report required by Section 373.036(7), F.S., or specify the reasons for not incorporating the changes into the Work Program;

WHEREAS, the FY2022 Work Program will be contained in Volume II, Chapter 5A of the FY2022 Consolidated Water Management District Annual Report (referred to as the South Florida Environmental Report).

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The District Governing Board accepts the draft Five-Year Water Resource Development Work Program and approves it for transmittal to the parties outlined in Section 373.536(6)(a), F.S., for review.

Section 2. The Governing Board delegates the review of the Department's evaluation of the Work Program to District staff and authorizes District staff to incorporate suggested changes into the Work Program. Furthermore, District staff is authorized to inform the Department which changes to the Work Program have been accepted or specify the reasons for not incorporating the changes.

Section 3. A copy of the final 2022 Work Program shall be incorporated in Volume II, Chapter 5A of the Fiscal Year 2022 South Florida Environmental Report.

Section 4. This Resolution shall take effect immediately upon adoption.

PASSED and **ADOPTED** on this 14th day of October, 2021.

DRAFT

Fiscal Year 2022 Five-Year
Water Resource Development
Work Program

October 2021



TABLE OF CONTENTS

Introduction..... 1

Work Program Summary 3

Water Resource and Water Supply Development..... 4

 Cooperative Funding Program 7

MFL and Water Reservation Activities 10

Appendix: Projects Associated with a Basin Management Action Plan for Fiscal Year 2021-2022
Through Fiscal Year 2025-2026 13

Literature Cited..... 18

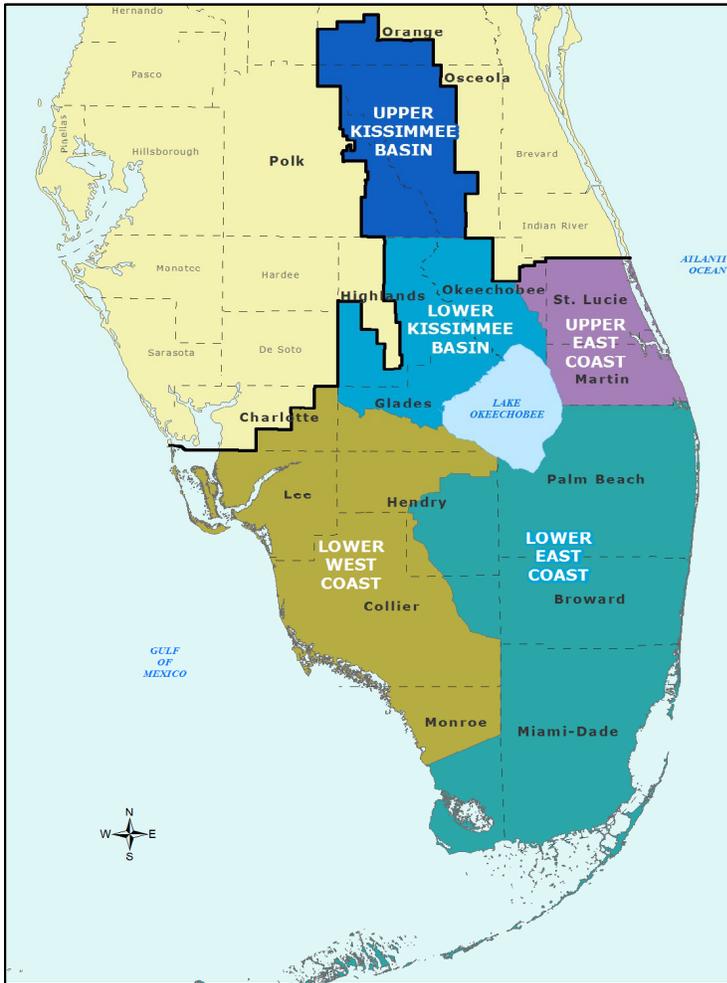
INTRODUCTION

Water management districts are required by Section 373.709, Florida Statutes (F.S.), to develop a regional water supply plan (RWSP) if they determine the existing sources of water (1) are inadequate to supply water for all existing and future reasonable-beneficial uses, and/or (2) may not sustain water resources and related natural systems for a 20-year planning period. RWSPs include analysis of current and future water demands, evaluation of available water sources, and identification of water resource and water supply development projects to meet demands.

The South Florida Water Management District (SFWMD or District) is required to prepare a Five-Year Water Resource Development Work Program (Work Program) as part of its annual budget reporting process, pursuant to Section 373.536(6)(a)4., F.S. The Work Program must describe the SFWMD's implementation strategy and include an annual funding plan for each of the 5 years included in the Work Program for the water resource and water supply development components, including alternative water supply (AWS) development, of each approved RWSP. Furthermore, the Work Program must do the following:

- Address all elements of the water resource development component of the approved RWSPs as well as the water supply development projects proposed for SFWMD funding and assistance.
- Identify anticipated available SFWMD funding and additional funding needs for years 2 through 5 of the funding plan.
- Identify projects that will provide water, including an estimate of the quantity produced.
- Explain how each water resource and water supply development project will produce additional water supply for consumptive uses.
- Assess the contribution of the RWSPs in supporting the implementation of Minimum Flows and Minimum Water Levels (MFLs) and Water Reservations.
- Ensure sufficient water is available to meet the water supply needs of existing and future reasonable-beneficial uses for a 1-in-10-year drought event and to avoid adverse effects of competition for water supplies.

This Work Program covers the period from Fiscal Year (FY) 2021-2022 through FY2025-2026 and is consistent with the planning strategies of the District's RWSPs. The SFWMD has developed RWSPs for five distinct regional planning areas (**Figure 1**): Upper Kissimmee Basin, Lower Kissimmee Basin, Upper East Coast, Lower West Coast, and Lower East Coast. The Upper Kissimmee Basin is part of the Central Florida Water Initiative (CFWI), which covers Orange, Osceola, Polk, and Seminole counties as well as southern Lake County. The CFWI is a collaborative planning effort by three water management districts (SFWMD, Southwest Florida Water Management District, and St. Johns River Water Management District) as well as other agencies and stakeholders to identify sustainable water supply options and potential projects to meet future demands while protecting, conserving, and restoring water resources in Central Florida. The approval dates of the most recent RWSPs (SFWMD 2017, 2018, 2019, 2021 [in prep]; CFWI 2020) and the next updates for each planning area are identified in **Table 1**. Starting in 2021, RWSP updates will have a common planning horizon of 2045. For additional information about the District's RWSPs, please visit <https://www.sfwmd.gov/our-work/water-supply>.



- **Upper Kissimmee Basin:** Portions of Osceola, Orange, and Polk counties
- **Lower Kissimmee Basin:** Portions of Okeechobee, Highlands, and Glades counties
- **Upper East Coast:** Martin and St. Lucie counties and eastern Okeechobee County
- **Lower East Coast:** Palm Beach, Broward, and Miami-Dade counties, and portions of Monroe, Collier, and Hendry counties
- **Lower West Coast:** Lee County and portions of Collier, Glades, Hendry, Monroe, and Charlotte counties

Figure 1. Regional water supply planning areas in the SFWMD.

Table 1. Current water supply plan approval dates and 5-year updates schedule.

Planning Region	Current Water Supply Plan	Next Update
Upper East Coast	November 2021 ^a	November 2026
Lower West Coast	December 2017	December 2022
Lower East Coast	November 2018	November 2023
Lower Kissimmee Basin	December 2019	December 2024
Central Florida Water Initiative	November 2020	November 2025

a. The 2021 Upper East Coast Water Supply Plan Update is scheduled for Governing Board approval in November 2021.

The population within the District’s boundaries is expected to increase by approximately 2.2 million people, to approximately 11 million people by 2045. The rate of population growth varies throughout the District, with some counties experiencing faster growth than others. Raw water demand for all water use categories is projected to increase by 452 million gallons per day (mgd), to approximately 4.0 billion gallons per day in 2045. Overall, demand projections in the most recent RWSP updates are lower than previous updates.

In response to rapid population increases between 2006 and 2010 and high population projections at that time, many utilities within the SFWMD’s boundaries expanded water treatment facilities, developed AWS

sources, and secured increased permit allocations to meet anticipated water needs. However, following the 2008 to 2012 economic recession, the anticipated population growth did not occur, and growth projections were substantially reduced. In addition, per capita use rates declined due to the economy, water shortage restrictions, implementation of year-round irrigation restrictions, and an emerging water conservation ethic. These conditions left many utilities with reduced future demands and constructed treatment capacity that may not be fully utilized until well into the future. As a result, current RWSPs (except the CFWI RWSP) concluded few utilities need to construct additional water supply projects to meet their 2040 projected needs, and projects that may be needed are required at the end of the planning period, not within the next 5 years.

WORK PROGRAM SUMMARY

The Work Program presented herein is adequate to ensure water is available to meet the water supply needs of existing and future reasonable-beneficial uses during a 1-in-10 year drought event, to avoid the adverse effects of competition for water supplies, and to maintain the function of natural systems. This Work Program outlines the SFWMD's planned funding over the next 5 years, including implementation of projects associated with MFL prevention or recovery strategies and Water Reservations. Additionally, the **Appendix** to this Work Program includes the implementation costs and details of projects associated with basin management action plans (BMAPs).

SFWMD projects that supply water primarily for the environment, including projects associated with the Comprehensive Everglades Restoration Plan (CERP), Restoration Strategies, or other restoration projects are presented in the District's *South Florida Environmental Report (SFER) – Volume II* and SFER Consolidated Project Report Database, which are accessible at www.sfwmd.gov/sfer.

The FY2021-2022 through FY2025-2026 implementation schedule and projected expenditures (including salaries, benefits, and operating expenses) for water resource development activities are provided in this document and reflect the SFWMD's continued commitment to ensuring adequate resources are available to meet existing and future reasonable-beneficial needs. The estimated funding allocation identified for the next 5 years is approximately \$2.84 billion. This Work Program is estimated to make available more than 1,683 mgd annually as a result of these ongoing programmatic efforts. Most of this anticipated water will be delivered from the Central and Southern Florida Flood Control Project (C&SF Project) regional system to the Lower East Coast Planning Area through structure releases to maintain canal levels and through regional seepage that helps maintain Lower East Coast groundwater levels for water supply purposes. This amount will increase with water made available upon completion of water supply development projects, including reuse and non-reuse water for urban and agricultural water supply that will be funded through the Cooperative Funding Program (CFP).

As part of their annual progress reports required by Section 373.709(8)(b), F.S., potable water supply utilities have tentatively identified 29 reuse and non-reuse water supply development projects they plan to construct with local funding between FY2021-2022 through FY2025-2026. The 29 projects will create an estimated 101.2 mgd of AWS capacity and 58.3 mgd of reclaimed water distribution capacity.

In addition to salary, benefits, and operating expenses for MFL criteria and rule development, approximately \$1.86 billion over the next 5 years is planned for construction projects supporting MFL prevention and recovery strategies. However, new water will not be available for many projects associated with MFL water bodies until all project components are completed and operational. Funding for the CERP Caloosahatchee River (C-43) West Basin Storage Reservoir project is to be used solely for environmental purposes benefitting the Caloosahatchee River MFL. The water stored in the C-43 Reservoir is protected by a Water Reservation to prevent allocation to consumptive uses.

WATER RESOURCE AND WATER SUPPLY DEVELOPMENT

Water resource development components are those that involve the “formulation and implementation of regional water resource management strategies, including the collection and evaluation of surface water and groundwater data; structural and nonstructural programs to protect and manage water resources; the development of regional water resource implementation programs; the construction, operation, and maintenance of major public works facilities to provide for flood control, surface and underground water storage, and groundwater recharge augmentation; and related technical assistance to local governments, government-owned and privately owned water utilities, and self-suppliers to the extent assistance to self-suppliers promotes the policies as set forth in s. 373.019” [Section 373.019(24), F.S.]. Most water resource development activities in the District support and enhance water supply development but do not directly yield specific quantities of water. Water resource development projects are regional in nature and primarily the responsibility of the SFWMD. Two examples are the C&SF Project and CERP projects. The C&SF Project canals move water from Lake Okeechobee and the Everglades water conservation areas to maintain coastal canal levels, augment water supplies during dry times, and prevent saltwater intrusion. The canals provide water to major ecosystems as well as agricultural and urban areas. They also are a crucial component of the region’s flood control system. CERP, a partnership between the United States Army Corps of Engineers and the SFWMD, is a critical part of water supply planning, which includes capital projects needed to protect and restore natural systems and enhance water availability. CERP capital projects include the Everglades Agricultural Area (EAA) Reservoir and Stormwater Treatment Area (STA), Caloosahatchee River (C-43) West Basin Storage Reservoir, and C-44 Reservoir and STA. The Governor’s *Executive Order 19-12: Achieving More Now for Florida’s Environment* directed funding be secured for projects that provide water quality, quantity, and supply benefits. In response to that Order, \$1.03 billion in funding is budgeted or proposed in the next 5 years for the Lake Okeechobee Watershed Restoration Project and the EAA Storage Reservoir Conveyance Improvements and STAs, which also provide water supply benefits. Water resource development activities are listed in **Table 2**, and the implementation schedule and projected expenditures are listed in **Table 3**.

Table 2. SFWMD water resource development activities and descriptions.

Water Resource Development Activity	Activity Description
Water Supply Planning	Work associated with developing 5-year updates to the SFWMD's RWSPs, not including the CFWI RWSP.
CFWI Planning Project	Work associated with developing the 5-year update to and implementation of the 2020 CFWI RWSP, including well drilling, wetlands monitoring, data collection and analysis, East-Central Florida Transient Expanded groundwater modeling, participation in technical and management teams, and production of the 2025 CFWI RWSP.
Local Government Assistance	Review of local government comprehensive plans and plan amendments, including water supply facilities work plans (Chapter 163, F.S.). Technical assistance to local governments (Sections 189.4156 and 373.711, F.S.) to develop and revise local government comprehensive plan elements.
Water Supply Implementation	Implementation of RWSPs, including coordination, execution, and facilitation of water resource development activities, operational changes, implementation of AWS development projects, conservation programs, and rulemaking associated with the RWSPs. This is a multi-year process that involves working closely with other agencies, local governments, utilities, the agricultural industry, and environmental interests.
Cooperative Funding Program	Funding assistance provided to local water users for AWS and water conservation projects that are consistent with the SFWMD's core mission and RWSPs. This includes AWS funding by Big Cypress Basin when budgeted.
Comprehensive Water Conservation Program	Activities associated with implementation of the SFWMD's Comprehensive Water Conservation Program.
MFLs and Water Reservations Activities	Activities associated with development and re-evaluation of MFLs pursuant to Sections 373.042 and 373.0421, F.S., and Water Reservations. Further discussion and a list of projects associated with an MFL prevention or recovery strategy and Water Reservations for this report time period is provided in the following sections.
Hydrologic Investigations, Groundwater Monitoring, Data Collection, and Analysis	Costs associated with the SFWMD's maintenance of extensive groundwater monitoring networks and partnering with the United States Geological Survey to provide additional support and funding for ongoing monitoring. Documentation (including location, well construction, geophysical logging, aquifer testing, water level, and water quality, and saltwater intrusion data) is provided in various SFWMD technical publications (www.sfwmd.gov/techpubs) and its corporate environmental database, DBHYDRO (www.sfwmd.gov/dbhydro).
Groundwater Modeling	Work associated with groundwater modeling efforts in support of RWSP updates.
C&SF Project Operations and Maintenance	The estimated costs for operations and maintenance of the C&SF Project that are attributed to providing water supply. Approximately 50% of the operations and maintenance budget is allocated to providing water supply to the region.

Table 3. FY2021-2022 through FY2025-2026 implementation schedule and projected expenditures (including salaries, benefits, and operating expenses) for water resource development activities.

Regional Water Activity	Plan Implementation Cost (\$ thousands)					Total
	FY2021-2022	FY2022-2023	FY2023-2024	FY2024-2025	FY2025-2026	
Water Supply Planning Estimated finish date: Ongoing	993	993	993	993	993	4,965
CFWI Water Supply Planning Project Estimated finish date: Ongoing	597	597	597	597	597	2,985
Comprehensive Plan, Documents Review, and Technical Assistance to Local Governments Estimated finish date: Ongoing	241	241	241	241	241	1,205
Water Supply Implementation Estimated finish date: Ongoing	232	232	232	232	232	1,160
MFL, Water Reservation, and Restricted Allocation Area Activities Estimated finish date: Ongoing	306	306	306	306	306	1,530
Comprehensive Water Conservation Program Estimated finish date: Ongoing	389	389	389	389	389	1,945
Cooperative Funding Program Estimated finish date: Ongoing	7,613	0 ^a	0 ^a	0 ^a	0 ^a	7,613
Groundwater Monitoring Estimated finish date: Ongoing	1,567	1,567	1,567	1,567	1,567	7,835
Groundwater Modeling Estimated finish date: Ongoing	1,048	1,048	1,048	1,048	1,048	5,240
Estimated Portion of C&SF Project Operation and Maintenance Budget Allocated to Water Supply ^b Estimated finish date: Ongoing	157,257	157,257	157,257	157,257	157,257	786,285
Subtotal	170,243	162,630	162,630	162,630	162,630	820,763
Regional Projects Benefiting Water Supply						
Lake Okeechobee Watershed Restoration ^c	50,000	275,000 ^d	236,000 ^d	240,000 ^d	80,000 ^d	881,000
EAA Storage Reservoir Conveyance Improvements and Stormwater Treatment Area ^{c,e}	40,100	40,100	0	0	0	80,200
Other Projects Associated with MFL Recovery/Prevention Strategies ^f	209,802	194,400	145,200	196,525	149,975	895,902
C-25 Reservoir and Stormwater Treatment Area	21,300	5,400	10,000	40,000	83,000	\$159,700
Subtotal	321,202	514,900	391,200	476,525	312,975	2,016,802
Total	491,445	677,530	553,830	639,155	475,605	2,837,565

a. A determination of what funds, if any, will be allocated for cooperative funding projects will be made by the Governing Board during the fiscal year budget development process.

b. Approximated based on 50% of the FY2021-2022 operation and maintenance budget, including resiliency funding.

c. Project cost based on information contained in the draft FY2022-2026 SFWMD Five-Year Capital Improvement Plan.

d. Funding contingent upon future state appropriations.

e. Includes the C-44/C-23 Interconnect, Site Preparation, Inflow Canal Reservoir/Stormwater Treatment Area (STA), A-2 STA, North New River and Miami Canal Improvements, and Bridges.

f. Totals from **Table 10**, less the funding for the Lake Okeechobee Watershed Restoration and EAA Storage Reservoir Conveyance Improvements and STA.

Cooperative Funding Program

Water supply development components involve “planning, design, construction, operation, and maintenance of public or private facilities for water collection, production, treatment, transmission, or distribution for sale, resale, or end use” [Section 373.019(26), F.S.] and are primarily the responsibility of local water providers. To assist local water providers and users in implementation of the water supply development component, the SFWMD periodically provides funding assistance to public water suppliers, local governments, special districts, homeowners’ associations, and other public and private water users for AWS and water conservation projects consistent with the SFWMD’s core mission, through the CFP. The CFP provides partnership opportunities and financial incentives to implement local projects that complement regional water supply efforts. Water conservation and AWS projects and associated funding that was provided in FY2019-2020 through the Florida Department of Environmental Protection (FDEP) AWS Program will be carried forward into FY2021-2022 and are listed in **Tables 4** and **5**, respectively. Active projects funded by the Water Protection and Sustainability Program (WPSP) and the SFWMD in FY2019-2020 also will be carried forward into FY2021-2022 and are listed in **Table 6**. Active AWS projects from FY2020-2021 will be carried forward into FY2021-2022 and are listed in Table 7. Active AWS and Water Conservation projects funded by the WPSP and the SFWMD in FY2020-2021 also will be carried forward into FY2021-2022 and are listed in **Tables 8** and **9**. The FY2021-2022 District budget tentatively includes \$7.6 million for the FDEP AWS Funding Program. A list of funded projects will be included at a future date.

Table 4. Summary of Water Conservation project funding carried forward from the FY2019-2020 FDEP AWS Program.

County	Entity	Project	Estimated Water Savings (mgy)	Total Project Cost	FDEP AWS Approved Funding
Miami-Dade	Miami-Dade Water and Sewer Department	HET Rebate Project FY2020-2021	27.4	\$230,020	\$100,000
Broward	BCEPCRD on behalf of Broward NatureScape Irrigation Service	NatureScape Residential Irrigation Rebate Program	27.1	\$200,000	\$100,000
Broward	BCEPCRD on behalf of Broward Water Partnership	Conservation Pays HET Rebate Program	16.8	\$200,000	\$100,000
Miami-Dade	Miami-Dade Water and Sewer Department	Landscape Irrigation Rebate Project FY2020-2021	29.5	\$237,280	\$100,000
Monroe	Florida Keys Aqueduct Authority	HET Rebate Program	4.6	\$60,000	\$30,000
Palm Beach	West Palm Beach, City of	Community Water Conservation Strategies – Phase VII – HETs	4.98	\$125,000	\$62,500
St. Lucie	Scott Groves, Inc.	Scott Grove #2 Citrus Agricultural Irrigation Retrofit (511 acres)	81.9	\$218,126	\$75,000
St. Lucie	Scott Groves, Inc.	Scott Grove #3 Citrus Agricultural Irrigation Retrofit (196 acres)	39.6	\$108,379	\$40,000
Okeechobee	Okeechobee Utility Authority	Water Conservation Software Technology for OUA Phase I	18.9	\$720,081	\$100,000
Orange	St. Johns River Water Management District	SJRWMD CFWI Water Conservation Projects	12.56	\$121,475	\$60,737
Osceola	Toho Water Authority	Irrigation Conversion and Retrofit Project	16.43	\$150,010	\$75,005
Polk	Southwest Florida Water Management District	SWFWMD CFWI Water Conservation Projects	18.08	\$340,523	\$151,758
Total			297.85	\$2,710,894	\$995,000

BCEPCRD = Broward County Environmental Planning and Community Resilience Division; HET = high-efficiency toilet; CFWI = Central Florida Water Initiative; mgy = million gallons per year; OUA = Okeechobee Utility Authority; SJRWMD = St. Johns River Water Management District; SWFWMD = Southwest Florida Water Management District.

Table 5. Summary of AWS project funding carried forward from the FY2019-2020 FDEP AWS Program.

County	Project Name	Entity Name	AWS Source	Phase Water Made Available (mgd)	Total Water Made Available (mgd)	Total Capital Cost	FDEP AWS Approved Funding
Broward	Broward-Palm Beach Reclaimed Water Main Interconnect	Broward County Board of County Commissioners	Reclaimed water (for potable offset)	16.00	16.00	\$28,300,000	\$3,000,000
Lee	Reclaimed Water Expansion: Cape Coral and Fort Myers Interconnect under the Caloosahatchee River	Cape Coral, City of	Reclaimed water (for potable offset)	2.00	12.00	\$28,750,000	\$3,000,000
Broward	Reclaimed Water Expansion: NE 16 th Street to NE 24 th Street and NE 23 rd Avenue to Intracoastal Waterway	Pompano Beach, City of	Reclaimed water (for potable offset)	0.34 ^a	0.34 ^a	\$1,200,000	\$500,000
Palm Beach	Reclaimed Water Main Construction along SW 4 th Street	Delray Beach, City of	Reclaimed water (for potable offset)	0.21 ^a	0.21 ^a	\$1,195,634	\$450,000
Broward	TY Park Reclaimed Water Main Expansion	Broward County Environmental Planning and Community Resilience Division & Broward County Parks and Recreation	Reclaimed water (for potable offset)	0.46 ^a	0.46 ^a	\$2,285,000	\$500,000
Broward	Springtree Reclaimed Water Main Conversion	Sunrise, City of	Reclaimed water (for potable offset)	4.00 ^a	4.00 ^a	\$1,170,000	\$450,000
St. Lucie	McCarty Ranch Reservoir and Water Treatment Plant (Areas 3, 4, and 6)	Port St. Lucie, City of	Surface water storage (e.g., reservoirs)	8.50	11.10	\$5,725,169	\$1,000,000
Osceola	Cypress Lakes Wellfield: Concentrate Disposal Well IW-2 and Monitoring Well	Toho Water Authority	Brackish groundwater	15.00	15.00	5,262,099	\$5,556,600
Total				41.50	54.10	\$73,887,902	\$14,456,600

a. Distribution/use type project; water made available accounted for in treatment plant capacity.

Table 6. Summary of AWS project funding carried forward from the FY2019-2020 Water Protection and Sustainability Program.

County	Project Name	Entity Name	AWS Source	Phase Water Made Available (mgd)	Total Water Made Available (mgd)	Total Construction Costs	State and SFWMD Approved Funding
Martin	Tropical Farms: Floridan Aquifer System Wells 6 and 7	Martin County Utilities	Brackish groundwater	4.70 ^a	4.70 ^a	\$3,614,000	\$200,000
Total				1.00	1.00	\$3,614,000	\$200,000

a. Phased project; water accounted for previously or in future year upon completion of the project.

Table 7. Summary of AWS project funding from the FY2020-2021 FDEP AWS Program.

County	Entity	Project	AWS Source	Phase Water Made Available (mgd)	Total Water Made Available (mgd)	Total Capital Cost	FDEP AWS Approved Funding
Osceola	Orlando Utilities Commission	Southeast Water Treatment Plant Lower Floridan Aquifer Wellfield Phase 1	Brackish groundwater	0.00	10.00	\$95,061,000	\$1,700,000
Broward	Davie, Town of	Reclaimed Water Main Extension – Bamford Sports Complex and along University Dr between SW 36 th Street and SW 30 th Street	Reclaimed water	0.20 ^a	0.20 ^a	\$1,615,000	\$610,000
Palm Beach	Boynton Beach, City of	Reclaimed Water Main Extension Phase 1	Reclaimed water	1.75 ^a	3.85 ^a	\$10,000,000	\$600,000
Palm Beach	Delray Beach, City of	Reclaimed Water Main Extension – Area 10 Phase	Reclaimed water	0.12 ^a	0.12 ^a	\$1,850,470	\$660,000
Lee	Lee County Utilities	Fiesta Village Reclaimed Water Main Extension	Reclaimed water	16.00 ^a	16.00 ^a	\$6,986,000	\$2,300,000
Total				0.00	10.00	\$115,512,470	\$5,870,000

a. Distribution/use type project; water made available accounted for in treatment plant capacity.

Table 8. Summary of water conservation project funding from the FY2020-2021 Water Protection and Sustainability Program.

County	Entity	Project	Estimated Water Savings (mgy) ^a	Total Project Cost	State and SFWMD Approved Funding
Palm Beach	Palm Beach Soil and Water Conservation District	Nursery Overhead Efficiency Project 3	53.60	\$60,210	\$24,000
St. Lucie	Bernard Egan & Company	River Basket Citrus Grove Ag Irrigation Retrofit (225 acres)	54.00	\$128,784	\$50,000
Palm Beach	School District of Palm Beach	Irrigation Controller Retrofit at 32 Facilities	49.40	\$338,281	\$100,000
St. Lucie	Bernard A Egan Groves, Inc.	Cow Creek Citrus Grove Ag Irrigation Retrofit (1,200 acres)	70.20	\$299,759	\$100,000
St. Lucie	Graves Brothers Company	Ashland Citrus Grove Ag Irrigation Retrofit – Site 10, 11, 12 (203.5 acres)	49.60	\$135,570	\$50,000
Miami-Dade	Miami-Dade Water & Sewer Department	Residential High Efficiency Toilet Rebate Project FY2021-2022	5.50	\$76,712	\$30,000
Orange	Orange County Utilities	Waterwise Neighbor Program – Indoor and Outdoor Retrofits	10.27	\$84,850	\$33,000
Broward	Broward County Water and Wastewater Services	High Efficiency Toilet Replacement Program	3.90	\$60,000	\$24,000
Miami-Dade	Miami-Dade Water & Sewer Department	Residential High Efficiency Showerhead and Faucet Rebate Project FY2021-2022	7.00	\$91,480	\$36,000
Miami-Dade	Miami-Dade Water & Sewer Department	Landscape Irrigation Rebate Project FY2021-2022	6.21	\$68,630	\$27,000
Osceola	Mack Farms Inc.	Mack Farms Hydrocyclone Recycled Water System	16.76	\$460,000	\$184,000
Total			332.24	\$1,804,277	\$658,000

a. mgy = million gallons per year.

Table 9. Summary of AWS project funding from the FY2020-2021 Water Protection and Sustainability Program.

County	Entity	Project	AWS Source	Phase Water Made Available (mgd)	Total Water Made Available (mgd)	Total Construction Costs	State and SFWMD Approved Funding
St. Lucie	Port St. Lucie, City of	Tradition and Western Grove Communities Reclaimed Water Main Extension ^a	Reclaimed water	10.15 ^b	10.15 ^b	\$3,658,000	\$593,536
Total				0.00	0.00	\$3,658,000	\$593,536

a. Project includes FY2019-2020 canceled project funds as well a FY2020-2021 canceled project.

b. Phased project; water accounted for previously or in future year upon completion of the project.

MFL AND WATER RESERVATION ACTIVITIES

MFL implementation activities include conducting research to set scientifically based criteria for defining significant harm; conducting voluntary, independent peer review of the associated science where needed; obtaining stakeholder input; and completing rulemaking. Prevention or recovery strategies are developed concurrently with MFLs to either maintain (prevention strategy) or achieve (recovery strategy) compliance with established MFLs. The SFWMD has adopted MFLs for 9 water bodies, which include 40 MFL compliance monitoring sites. Five MFL water bodies have prevention strategies, while the remaining four MFLs have recovery strategies. All four MFL water bodies that have recovery strategies have projects planned in the next 5 years to move toward meeting the minimum flow or level (**Table 10**). Four of the five water bodies that have prevention strategies rely on existing regulatory components to meet the minimum flow or level and do not involve new projects. The St. Lucie Estuary is the only MFL waterbody that has a prevention strategy with CERP projects planned within this 5-year Work Program (**Table 10**). No new MFLs are proposed for future adoption within the 5-year period of this Work Program.

MFL prevention or recovery strategy projects with implementation costs planned for FY2021-2022 through FY2025-2026 are listed in **Table 10**. These projects are designed to provide new water for the MFL water body once all the project components are completed. This list does not include projects associated with improving water quality or providing additional storage within the watershed (e.g., dispersed water management projects).

Water Reservations (another resource protection tool) reserve water for the protection of fish and wildlife or public health and safety. Water Reservations also support restoration efforts and recovery or prevention strategies for established MFLs. The legal protection of water for the project is required before the SFWMD and the United States Army Corps of Engineers enter into a project partnership agreement. This protection of project water is also required by the Water Resources Development Act of 2000 for construction of CERP project components such as reservoirs or STAs. The SFWMD has adopted seven Water Reservations.

Most recently, both the Kissimmee River and Chain of Lakes Water Reservations and the EAA Reservoir Water Reservations were adopted in 2021. These Water Reservations ensure protection of the upstream watershed associated with the Kissimmee River Restoration Project and the Everglades. The EAA Reservoir is the main storage feature of the Central Everglades Planning Project (CEPP), which is designed to improve the quantity, quality, timing, and distribution of water flow from Lake Okeechobee to the Central Everglades, Everglades National Park, and Florida Bay, while maintaining flood control and water supply for existing legal users.

For the 5-year period through FY2025-2026, the Water Control Plan for the Caloosahatchee River (C-43) West Basin Storage Reservoir project will be developed. This plan will be coordinated with federal and state partners as the project construction continues and does not require additional rulemaking at this time. There will also be rulemaking to support two CERP restoration projects, the Loxahatchee River Watershed Restoration Project and the Lake Okeechobee Watershed Restoration Project. Both projects restore the natural systems by modifying the overall quantity, quality, timing, and distribution of fresh water. Additionally, the District sent a letter to the U.S. Army Corps of Engineers, its federal partner in Everglades restoration, supporting the authorization of both projects. To support these restoration projects, Water Reservations, restricted allocation area rules, or both, will be developed or modified to protect the water resources.

A priority water body list and schedule, including MFLs and Water Reservations, is approved by the SFWMD Governing Board annually and submitted to the FDEP for review and approval by November 15th. A complete list of MFL and Water Reservation development activities can be found on the SFWMD website at <https://www.sfwmd.gov/our-work/mfl> and <https://www.sfwmd.gov/our-work/water-reservations>.

Table 10. Projects associated with an MFL prevention or recovery strategy for FY2021-2022 through FY2025-2026. (Note: All costs are subject to change until the FY2021-2022 Five-Year Capital Improvements Plan is approved by the SFWMD’s Governing Board by February 2022, including development of FY2025-2026 project implementation costs.)

Projects	Project Implementation Costs ^a					5-Year Work Plan Cost Estimates
	FY2021-2022	FY2022-2023	FY2023-2024	FY2024-2025	FY2025-2026	
St. Lucie Estuary						
C-23/24 North Reservoir	\$14,102,124	-	-	-	-	\$14,102,124
C-23/24 South Reservoir	\$5,500,000	-	-	-	-	\$5,500,000
Everglades						
CEPP Predecessor New Water: C-44/C-23 Interconnect (EAA Reservoir) ^{b, c}	\$12,500,000	\$12,500,000	-	-	-	\$25,000,000
EAA Storage Reservoir Conveyance Improvements and Stormwater Treatment Area ^d	\$40,100,000	\$40,100,000	-	-	-	\$80,200,000
CEPP North ^e	\$19,900,000	\$32,500,000	\$114,200,000	\$121,200,000	\$68,300,000	\$356,100,000
Caloosahatchee River						
Caloosahatchee River (C-43) West Basin Storage Reservoir	\$139,800,000	\$125,600,000	-	-	-	\$265,400,000
Lake Okeechobee						
Lake Okeechobee Watershed Restoration Project ^f	\$50,000,000	\$275,000,000 ^g	\$236,000,000 ^g	\$240,000,000 ^g	\$80,000,000 ^g	\$881,000,000
Loxahatchee River						
Loxahatchee River Watershed Restoration Project	\$16,000,000	\$18,800,000	\$26,000,000	\$70,325,000	\$76,675,000	\$207,800,000
Lake Okeechobee and Western Everglades						
CERP Restoration Project Planning ^h	\$2,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$5,000,000	\$22,000,000
Total	\$299,902,124	\$509,500,000	\$381,200,000	\$436,525,000	\$229,975,000	\$1,857,102,124

a. Project costs based on information contained in the draft FY2021-2022 SFWMD Five-Year Capital Improvement Plan.
 b. The C-44/C-23 Interconnect project is associated with CEPP. It is listed under the Everglades MFL recovery strategy because it is a precursor project that must be completed first in order to provide the downstream benefits for the Everglades MFL water body.
 c. Project is a component of CEPP.
 d. Includes the C-44/C-23 Interconnect, Site Preparation, Inflow Canal Reservoir/Stormwater Treatment Area (STA), A-2 STA, North New River and Miami Canal Improvements, and Bridges.
 e. Includes the L-4 Levee Degrade/Pump Station, L-5 Canal Improvements, L-6 Diversion, S-8 Modifications, and Miami Canal Backfill.
 f. Project is expected to provide new (recovered) water for the Lake Okeechobee MFL recovery strategy.
 g. Funding contingent upon future state appropriations.
 h. The costs for both projects are combined due to a concurrent but independent planning process. Schedule and costs are subject to change based on the results of the ongoing planning process. Both projects are expected to be incorporated as part of the recovery strategies to provide new water for their respective MFL water bodies.

APPENDIX: PROJECTS ASSOCIATED WITH A BASIN MANAGEMENT ACTION PLAN FOR FISCAL YEAR 2021-2022 THROUGH FISCAL YEAR 2025-2026

Basin management action plans (BMAPs) are the “blueprint” for restoring impaired waters by reducing pollutant loadings to meet allowable levels established by a total maximum daily load. In 2016, the Florida legislature amended Section 373.036(7)(b)8., F.S., to require the identification of projects in the Work Program that implement a BMAP or an MFL recovery or prevention strategy. The SFMWD’s Work Program historically has identified water resource development projects that support MFL recovery and prevention strategies but has not included specific descriptions of projects primarily intended to implement BMAPs. Consistent with Section 373.036(7)(b)8., F.S., and in a manner coordinated with the FDEP and all five water management districts, a 5-year funding outlook for projects specifically identified in an adopted BMAP are included in this Work Program.

There are five adopted BMAPs within the District’s boundaries: Caloosahatchee Estuary (FDEP 2012b), Everglades West Coast (FDEP 2012a), Indian River Lagoon (FDEP 2013a), St. Lucie River and Estuary (FDEP 2013b), and Lake Okeechobee (FDEP 2014). Updated BMAPs for the St. Lucie River and Estuary, Caloosahatchee River and Estuary, and Lake Okeechobee were adopted in February 2020 (FDEP 2020a,b,c, respectively). **Table A-1** reflects BMAP projects planned costs for Fiscal Year 2021-2022 through Fiscal Year 2025-2026¹. Of the 43 total projects listed in this table, 12 projects are aligned with the St. Lucie River and Estuary BMAP, 7 projects are aligned with the Caloosahatchee River and Estuary BMAP, and 24 projects are aligned with the Lake Okeechobee BMAP.

¹ BMAP projects that the SFWMD is implementing are aligned with the *Florida Statewide Annual Report on Total Maximum Daily Loads, Basin Management Action Plans, Minimum Flows or Minimum Water Levels, and Recovery or Prevention Strategies* (FDEP 2018). Five-year (FY2021-2022 through FY2025-2026) cost estimates are shown as projections based on current BMAP-associated projects under contract by the SFWMD or based on prior year expenditure trends, and do not include salaries. FY2022-2023 through FY2025-2026 costs are contingent on future legislative funding and Governing Board approval of future fiscal year funding.

Table A-1. BMAP projects costs in dollars, excluding salaries, for FY2021-2022 through FY2025-2026.

(Note: All costs are from the FY2020-2021 Approved Five-Year Capital Improvements Plan and are subject to change until the District’s FY2021-2022 Five-Year Capital Improvements Plan is approved by February 2022, including development of FY2025-2026 project implementation costs.)

BMAP	Lead Entity	Partners	FDEP Project Number	Project Name	Project Type	FY2022	FY2023	FY2024	FY2025	FY2026	Project Total	Comments
STLU	Troup-Indiantown WCD	SFWMD/USACE	TI-04	C-44 Reservoir Area	Hydrologic Restoration	\$559,360	\$963,331	\$976,591	\$961,331	TBD	\$3,460,613	O&M costs only
STLU	Troup-Indiantown WCD	SFWMD/USACE	TI-05	C-44 Stormwater Treatment Area	Stormwater Treatment Area	\$720,774	\$685,774	\$680,774	\$680,774	TBD	\$2,768,096	O&M costs only
STLU	Coordinating Agency	N/A	CA-01	Ten Mile Creek Water Preserve Area	Hydrologic Restoration	\$187,525	\$179,775	\$175,625	\$179,775	TBD	\$722,700	O&M costs only
STLU	Coordinating Agency	N/A	CA-02	Indian River Lagoon-South	Regional Stormwater Treatment	\$38,502,124	\$12,500,000	\$35,000,000	\$32,500,000	TBD	\$118,502,124	-
STLU	Coordinating Agency	N/A	CA-03	Adams-Russakis Ranch Water Management Alternative	Dispersed Water Management	\$57,500	\$57,500	\$57,500	\$57,500	TBD	\$230,000	O&M costs only
STLU	Coordinating Agency	N/A	CA-04	C-23/24 Interim Storage Section C Water Farm	Dispersed Water Management	\$44,250	\$44,250	\$44,250	\$44,250	TBD	\$177,000	-
STLU	Coordinating Agency	N/A	CA-05	Bluefield Grove Water Farm	Dispersed Water Management	\$4,463,389	\$4,463,389	\$4,463,389	\$4,463,389	TBD	\$17,853,556	-
STLU	Coordinating Agency	N/A	CA-06	Bull Hammock Ranch Water Management Alternative	Dispersed Water Management	\$28,500	\$28,500	\$28,500	\$28,500	TBD	\$114,000	-
STLU	Coordinating Agency	N/A	CA-07	Spur Land and Cattle	Dispersed Water Management	TBD	TBD	TBD	TBD	TBD	\$0	-
STLU	Coordinating Agency	N/A	CA-08	Caulkins Water Farm	Dispersed Water Management	\$5,500,000	\$5,500,000	\$5,500,000	\$5,500,000	TBD	\$22,000,000	-
STLU	Coordinating Agency	N/A	CA-09	Alderman-Deloney Ranch	Dispersed Water Management	\$25,000	TBD	TBD	TBD	TBD	\$25,000	-
STLU	Coordinating Agency	N/A	CA-10	C-23/24 Interim Storage Parcel B	Dispersed Water Management	\$2,125,000	\$4,000,000	\$2,000,000	\$0	TBD	\$8,125,000	-
CALO	Coordinating Agency	N/A	CA-01	C-43 West Basin Storage Reservoir	Hydrologic Restoration	\$139,754,346	\$125,600,000	\$1,997,318	\$1,426,354	TBD	\$268,778,018	-
CALO	Coordinating Agency	N/A	CA-02	Lake Hicpochee Storage and Shallow Hydrologic Enhancement, Phase 1	Hydrologic Restoration	\$128,600	\$83,000	\$83,000	\$83,000	TBD	\$377,600	O&M costs only
CALO	Coordinating Agency	N/A	CA-03	Lake Hicpochee Storage and Shallow Hydrologic Enhancement Expansion	Hydrologic Restoration	\$7,500,000	\$17,370,001	\$17,000,000	\$12,000,000	TBD	\$53,870,001	-

Table A-1. Continued.

BMAP	Lead Entity	Partners	FDEP Project Number	Project Name	Project Type	FY2022	FY2023	FY2024	FY2025	FY2026	Project Total	Comments
CALO	Coordinating Agency	N/A	CA-04	BOMA Flow Equalization Basin	Hydrologic Restoration	\$12,965,483	\$15,000,000	\$15,000,000	\$16,500,000	TBD	\$59,465,483	-
CALO	Coordinating Agency	N/A	CA-05	C-43 Water Quality Treatment and Testing Facility, Phase II - Test Cells	Study	\$10,000,000	\$8,000,000	\$8,000,000	\$3,000,000	TBD	\$29,000,000	-
CALO	Coordinating Agency	N/A	CA-06	C-43 West Basin Storage Reservoir Water Quality Component	Constructed Wetland Treatment	\$15,550,499	\$7,000,000	\$17,000,000	\$39,739,205	TBD	\$79,289,704	-
CALO	Coordinating Agency	N/A	CA-07	Mudge Ranch	Dispersed Water Management	\$47,500	\$47,500	\$47,500	TBD	TBD	\$142,500	-
OKEE	Coordinating Agency	FDEP/SFWMD	CA-01	Brighton Valley Dispersed Water Management	Dispersed Water Management	\$3,125,000	\$3,125,000	\$3,000,000	\$3,000,000	TBD	\$12,250,000	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-14	Dixie Ranch	Dispersed Water Management	\$146,500	TBD	TBD	TBD	TBD	\$146,500	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-15	Dixie Ranch	Dispersed Water Management	see SFWMD-14	see SFWMD-14	see SFWMD-14	see SFWMD-14	TBD	\$0	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-16	Lost Oak Ranch	Dispersed Water Management	\$55,000	\$55,000	TBD	TBD	TBD	\$110,000	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-17	Willaway Cattle and Sod	Dispersed Water Management	\$1,879	\$1,879	TBD	TBD	TBD	\$3,758	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-18	XL Ranch (Lightsey)	Dispersed Water Management	\$68,500	TBD	TBD	TBD	TBD	\$68,500	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-19	Triple A Ranch	Dispersed Water Management	\$30,000	\$30,000	\$30,000	\$15,000	TBD	\$105,000	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-20	La Hamaca (Blue Head Ranch)	Dispersed Water Management	\$361,200	\$361,200	\$361,200	\$361,200	TBD	\$1,444,800	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-21	Nicodemus Slough	Dispersed Water Management	\$2,345,842	\$897,199	TBD	TBD	TBD	\$3,243,040	-
OKEE	SFWMD	USACE	SFWMD-22	Kissimmee River Headwaters Revitalization ^b	Hydrologic Restoration	\$0	TBD	TBD	TBD	TBD	\$0	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-12	Buck Island Ranch (NE-PES-1)	Dispersed Water Management	\$173,600	TBD	TBD	TBD	TBD	\$173,600	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-11	Rafter T Ranch	Dispersed Water Management	\$162,736	\$162,736	\$162,736	TBD	TBD	\$488,208	-

Table A-1. Continued.

BMAP	Lead Entity	Partners	FDEP Project Number	Project Name	Project Type	FY2022	FY2023	FY2024	FY2025	FY2026	Project Total	Comments
OKEE	SFWMD	FDEP/SFWMD	SFWMD-23	Buck Island Ranch Wildlife Management Area (NE-PES-2)	Dispersed Water Management	\$163,500	\$163,500	\$163,500	\$163,500	TBD	\$654,000	-
OKEE	SFWMD	FDEP/SFWMD	SFWMD-13	Dixie West	Dispersed Water Management	\$51,500	TBD	TBD	TBD	TBD	\$51,500	-
OKEE	SFWMD	FDEP/USACE	SFWMD-02	Nubbin Slough Stormwater Treatment Area Project	Stormwater Treatment Area	\$98,730	\$98,730	\$98,730	\$98,730	TBD	\$394,920	Cost estimates based on average annual O&M costs for FY2014-2015 through FY2016-2017.
OKEE	SFWMD	FDEP/USACE	SFWMD-01	Taylor Creek Stormwater Treatment Area Project	Stormwater Treatment Area	\$193,624	\$193,624	\$193,624	\$193,624	TBD	\$774,496	Cost estimates based on average annual O&M costs for FY2017-18 through FY2019-20.
OKEE	SFWMD	FDEP/USACE	SFWMD-03	Lakeside Ranch – Phase I	Stormwater Treatment Area	\$386,452	\$413,353	\$406,452	\$413,353	TBD	\$1,619,610	O&M costs only
OKEE	SFWMD	USACE	SFWMD-05	Kissimmee River Restoration Project ^b	Hydrologic Restoration	\$2,911,544	\$2,549,949	\$2,678,699	\$2,441,199	TBD	\$10,581,391	O&M, monitoring, and evaluation costs
OKEE	SFWMD	FDEP	SFWMD-06	Rolling Meadows Wetland Restoration – Phase I	Wetland Restoration	\$102,916	\$102,916	\$102,916	\$102,916	TBD	\$411,663	Phase I O&M costs only. No future legislative funding for Phase II.
OKEE	SFWMD	FDEP/SFWMD	SFWMD-10	Lykes West Waterhole	Dispersed Water Management	\$616,715	\$638,375	\$661,155	\$705,595	TBD	\$2,621,840	-
OKEE	Coordinating Agency	FDEP/SFWMD	CA-05	EI Maximo Ranch Dispersed Water Management (previously Latt Maxcy)	Dispersed Water Management	\$3,863,204	\$3,863,204	\$3,863,204	\$3,863,204	TBD	\$15,452,816	-
OKEE	Coordinating Agency	N/A	CA-04	Lakeside Ranch – Phase II	Stormwater Treatment Area	\$504,050	\$452,540	\$442,640	\$449,540	TBD	\$1,848,770	O&M costs only

Table A-1. Continued.

BMAP	Lead Entity	Partners	FDEP Project Number	Project Name	Project Type	FY2022	FY2023	FY2024	FY2025	FY2026	Project Total	Comments
OKEE	Coordinating Agency	N/A	CA-21	Brady Ranch Flow Equalization Basin and Aquifer Storage and Recovery	Hydrologic Restoration	\$2,000,000	\$500,000	\$500,000	\$8,000,000	TBD	\$11,000,000	-
OKEE	Coordinating Agency	N/A	CA-22	Grassy Island Flow Equalization Basin and Aquifer Storage and Recovery	Hydrologic Restoration	\$2,000,000	\$500,000	\$500,000	\$8,000,000	TBD	\$11,000,000	-
Totals						\$257,522,341	\$215,632,224	\$121,219,303	\$144,971,939	TBD	\$739,345,808	

- a. Key to Abbreviations: CA – Coordinating Agencies – South Florida Water Management District, Florida Department of Environmental Protection, and Florida Department of Environmental Protection; FDEP – Florida Department of Environmental Protection; N/A – not applicable; NE-PES-1 – Northern Everglades Payment for Environmental Services Solicitation 1; NE-PES-2 – Northern Everglades Payment for Environmental Services Solicitation 2; OKEE – Lake Okeechobee; SFWMD – South Florida Water Management District; SLU – St. Lucie River and Estuary; TBD – to be determined; USACE – United States Army Corps of Engineers; and WCD – Water Control District.
- b. The Kissimmee River Restoration Project (SFWMD-05) includes the Lower Kissimmee Basin (Highlands, Glades, and Okeechobee counties) and the Upper Kissimmee Basin – Kissimmee River Headwaters Revitalization Project (Osceola and Polk counties) (SFWMD-22); SFWMD-22 project costs are included in SFWMD-05.

LITERATURE CITED²

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- FDEP. 2012a. *Final Basin Management Action Plan for the Implementation of Total Maximum Daily Loads for Dissolved Oxygen Adopted by the Florida Department of Environmental Protection in the Everglades West Coast Basin*. Prepared by the Florida Department of Environmental Protection, Tallahassee, FL, with participation from the Everglades West Coast Basin Technical Stakeholders. December 2012.
- FDEP. 2012b. *Final Basin Management Action Plan for the Implementation of Total Maximum Daily Loads for Nutrients Adopted by the Florida Department of Environmental Protection in the Caloosahatchee Estuary Basin*. Prepared by the Florida Department of Environmental Protection, Tallahassee, FL, with participation from the Caloosahatchee Estuary Basin Technical Stakeholders. December 2012.
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- FDEP. 2013b. *Final Basin Management Action Plan for the Implementation of Total Maximum Daily Loads for Nutrients and Dissolved Oxygen by the Florida Department of Environmental Protection in the St. Lucie River and Estuary Basin*. Prepared by the Florida Department of Environmental Protection, Tallahassee, FL, with participation from the St. Lucie River and Estuary Basin Technical Stakeholders. May 2013.
- FDEP. 2014. *Final Basin Management Action Plan for the Implementation of Total Maximum Daily Loads for Total Phosphorus by the Florida Department of Environmental Protection in Lake Okeechobee*. Prepared by the Florida Department of Environmental Protection, Tallahassee, FL, with participation from the Lake Okeechobee Stakeholders. December 2014.
- FDEP. 2018. *Florida Statewide Annual Report on Total Maximum Daily Loads, Basin Management Action Plans, Minimum Flows or Minimum Water Levels, and Recovery or Prevention Strategies*. Prepared by the Florida Department of Environmental Protection, Division of Environmental Assessment and Restoration and Office of Water Policy, Tallahassee, FL. June 2018.
- SFWMD. 2017. *2017 Lower West Coast Water Supply Plan Update*. South Florida Water Management District, West Palm Beach, FL. December 2017.
- SFWMD. 2018a. *2018 Lower East Coast Water Supply Plan Update*. South Florida Water Management District, West Palm Beach, FL. November 2018.
- SFWMD. 2018b. *Technical Document to Support Reevaluation of the Minimum Flow Criteria for the Caloosahatchee River Estuary*. South Florida Water Management District, West Palm Beach, FL. January 30, 2018.
- SFWMD. 2019. *2019 Lower Kissimmee Basin Water Supply Plan Update*. South Florida Water Management District, West Palm Beach, FL. December 2019.

²All the FDEP BMAPs and associated annual progress reports are available at www.dep.state.fl.us/water/watersheds/bmap.htm. The Final Statewide Annual Report (FDEP 2020) is available at www.floridadep.gov/star.

SFWMD. 2021. *2021 Upper East Coast Water Supply Plan Update*. South Florida Water Management District, West Palm Beach, FL. November 2021.

MEMORANDUM

TO: Governing Board Members

FROM: Duane Piper, Information Technology

DATE: October 14, 2021

SUBJECT: Oracle Software Technical Support

Agenda Item Background:

The District's operations utilize Oracle portal and database platforms for many systems such as e-permitting, employee emergency notification site, weather/real-time readings, graphical verification analysis, hydrologic and scientific data, and DBHYDRO Insights. Previously the District issued annual purchase orders directly to the manufacturer for software support and upgrades. Software upgrades are only available from the manufacturer which makes the support very costly. Beginning this fiscal year, Information Technology will change the level of support to technical assistance only using a third-party vendor, Rimini Street, Incorporated.

Moving to technical support only will save the District approximately \$526K in year one; \$1.6M for the three-year period. The savings will be used for a multi-year project to migrate off of this legacy software to a new modern platform and reduce our technical debt.

This request is to enter into a contract with Rimini Street, Incorporated for 3 years of Oracle software technical support, renewable annually, using the Northwest Florida Water Management District's Master Services Agreement in the amount of \$805,036. This contract was competed by another government agency.

Core Mission and Strategic Priorities:

The District's operations utilize Oracle portal and database platforms for many systems such as e-permitting, employee emergency notification site, weather/real-time readings, graphical verification analysis, hydrologic and scientific data, and DBHYDRO Insights. Previously the District issued annual purchase orders directly to the manufacturer for software support and upgrades. Software upgrades are only available from the manufacturer which makes the support very costly. Beginning this fiscal year, Information Technology will change the level of support to technical assistance only using a third-party vendor, Rimini Street, Incorporated.

Moving to technical support only will save the District approximately \$526K in year one; \$1.6M for the three-year period. The savings will be used for a multi-year project to migrate off of this legacy software to a new modern platform and reduce our technical debt.

This request is to enter into a contract with Rimini Street, Incorporated for 3 years of Oracle software technical support, renewable annually, using the Northwest Florida Water Management District's Master Services Agreement in the amount of \$805,036. This contract was competed by another government agency.

Funding Source:

Ad Valorem funds are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets.

Staff Contact and/or Presenter:

Duane Piper, dpiper@sfwmd.gov, 561-682-2150

ATTACHMENTS:

[Resolution 2021-1008](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2021 - 1008

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a contract with Rimini Street, Incorporated, for three years of Oracle software technical support, renewable annually, using the Northwest Florida Water Management District's Master Services Agreement, in the amount of \$805,036 for which \$255,364 in Ad Valorem funds is budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Contract No. 460004480)

WHEREAS, the District's operations such as permit applications, employee emergency notification, hydrologic and scientific data, and DBHYDRO Insights utilize Oracle portal and database software; and

WHEREAS, the District obtained these services using the Northwest Florida Water Management District's Master Services Agreement; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize entering into a contract with Rimini Street, Incorporated for three years of Oracle software technical support, in the amount of \$805,036.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a contract with Rimini Street, Incorporated, for three years of Oracle software technical support, renewable annually, using the Northwest Florida Water Management District's Master Services Agreement. (Contract No. 460004480)

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th day of October, 2021.

MEMORANDUM

TO: Governing Board Members

FROM: Duane Piper, Information Technology

DATE: October 14, 2021

SUBJECT: Pega Water Use Module Consulting Services

Agenda Item Background:

The District is migrating end-of-life Oracle Forms and Oracle Reports applications to newer technology. As part of this effort the District purchased Pega Business Process Management (BPM) Software to migrate the legacy Oracle Forms and Reports based Permitting system. Request for Bids 6000001259 was solicited for consulting services to move the Water Use permitting and compliance functionality from legacy unsupported technology to the new Pega BPM technology. In addition to migrating the Water Use module to the newer Pega technology, this effort will also make significant improvements to the current process flow and automate many manual tasks.

This request is to enter into a contract with Saturn Tech, LLC dba Saanvi Technologies, the lowest responsive and responsible bidder, for Pega Water Use Module Consulting Services, in the amount of \$776,500. This item was competitively bid through a sealed bid process.

Core Mission and Strategic Priorities:

The District is migrating end-of-life Oracle Forms and Oracle Reports applications to newer technology. As part of this effort the District purchased Pega Business Process Management (BPM) Software to migrate the legacy Oracle Forms and Reports based Permitting system. Request for Bids 6000001259 was solicited for consulting services to move the Water Use permitting and compliance functionality from legacy unsupported technology to the new Pega BPM technology. In addition to migrating the Water Use module to the newer Pega technology, this effort will also make significant improvements to the current process flow and automate many manual tasks.

This request is to enter into a contract with Saturn Tech, LLC dba Saanvi Technologies, the lowest responsive and responsible bidder, for Pega Water Use Module Consulting Services, in the amount of \$776,500. This item was competitively bid through a sealed bid process. The bid opening date was August 12, 2021

Funding Source:

Ad Valorem funds are budgeted in Fiscal Year 2021-2022.

Staff Contact and/or Presenter:

Duane Piper, dpiper@sfwmd.gov, 561-682-2150

ATTACHMENTS:

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2021 - 1009

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a contract with Saturn Tech, LLC dba Saanvi Technologies, the lowest responsive and responsible bidder, for Pega Water Use Module Consulting Services, for which \$776,500 in Ad Valorem funds are budgeted in Fiscal Year 2021-2022; providing an effective date. (Contract No. 4600004481)

WHEREAS, the District is extending the functionality of the new Pega Permitting Application; and

WHEREAS, the District obtained these services from Request for Bids Number 6000001259; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize entering into a contract with Saturn Tech, LLC dba Saanvi Technologies for Pega Water Use Module Consulting Services, in the amount of \$776,500.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a contract Saturn Tech, LLC dba Saanvi Technologies for Pega Water Use Module Consulting Services, in the amount of \$776,500. (Contract No. 4600004481)

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th day of October, 2021.

MEMORANDUM

TO: Governing Board Members

FROM: Duane Piper, Information Technology

DATE: October 14, 2021

SUBJECT: UltiPro Human Resources Software Subscription Service

Agenda Item Background:

The District's Human Resources (HR) Bureau currently uses several disjointed applications to support their business processes: SAP Human Capital Management (HCM), SAP SuccessFactors, and IBM Kenexa. The legacy on premise SAP HCM application supports HR processes such as position management, payroll, and timesheet management. The cloud SAP SuccessFactors application supports performance management processes. The Kenexa application supports the recruiting processes. Currently the employee onboarding processes are performed manually. Information Technology recommends purchasing Kronos Incorporated's UltiPro Software Subscription Service to replace the SAP HCM, SAP SuccessFactors and Kenexa applications and provide a new, more efficient, and modern experience for HR business processes for managers, supervisors, and District staff.

This request is to enter into a contract with Kronos Incorporated, A UKG Company, for three years of the UltiPro Software Subscription Service renewable annually, with two one-year renewal options, one-time activation fees, training, and implementation services, using the OMNIA Partners Public Sector Contract Numbers 18220 and 18221 in the amount of \$2,758,484. This contract was competed by another government agency.

Core Mission and Strategic Priorities:

The District's Human Resources (HR) Bureau currently uses several disjointed applications to support their business processes: SAP Human Capital Management (HCM), SAP SuccessFactors, and IBM Kenexa. The legacy on premise SAP HCM application supports HR processes such as position management, payroll, and timesheet management. The cloud SAP SuccessFactors application supports performance management processes. The Kenexa application supports the recruiting processes. Currently the employee onboarding processes are performed manually. Information Technology recommends purchasing Kronos Incorporated's UltiPro Software Subscription Service to replace the SAP HCM, SAP SuccessFactors and Kenexa applications and provide a new, more efficient, and modern experience for HR business processes for managers, supervisors, and District staff.

This request is to enter into a contract with Kronos Incorporated, A UKG Company, for three years of the UltiPro Software Subscription Service renewable annually, with two one-year renewal options, one-time activation fees, training, and implementation services, using the OMNIA Partners Public Sector Contract Numbers 18220 and 18221 in the amount of \$2,758,484. This contract was competed by another government agency.

Funding Source:

Ad Valorem funds are budgeted in Fiscal Year 2021-2022 and the remainder is subject to

Governing Board approval of future years budgets.

Staff Contact and/or Presenter:

Duane Piper, dpiper@sfwmd.gov, 561-682-2150

ATTACHMENTS:

[Resolution 2021-1010](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2021 - 1010

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a contract with Kronos, Incorporated, a UKG Company, for a three-year UltiPro Software Subscription Service renewable annually, with two one-year renewal options, one-time activation fees, training, and implementation services, using the OMNIA Partners Public Sector Contract Numbers 18220 and 18221, in the amount of \$2,758,484 for which \$732,500 in Ad Valorem funds are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Contract No. 4600004482)

WHEREAS, the District's current Human Resources business process applications need to be replaced; and

WHEREAS, the District obtained these services through a special procurement using the OMNIA Partners Public Sector Contract Numbers 18220 and 18221; and

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize entering into a contract with Kronos, Incorporated, a UKG Company, for a three-year UltiPro Software Subscription Service with two one-year renewal options, one-time activation fees, training, and implementation services, in the amount of \$2,758,484.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a contract with Kronos Incorporated, a UKG Company, for a three-year UltiPro Software Subscription Service renewable annually with two one-year renewal options, one-time activation fees, training, and implementation services, using the OMNIA Partners Public Sector Contract Numbers 18220 and 18221. (Contract No. 4600004482)

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th day of October, 2021.

MEMORANDUM

TO: Governing Board Members

FROM: Alan Shirkey, Ecosystem Restoration & Capital Projects

DATE: October 14, 2021

SUBJECT: EAA A2 Reservoir/Stormwater Treatment Area Substation and Associated Transmission Line, Palm Beach County

Agenda Item Background:

The EAA A2 Reservoir/STA Project, a component of the CEPP project located in Palm Beach County, reduces damaging discharges to the northern estuaries, increases flows to the Everglades, and helps achieve overall Comprehensive Everglades Restoration Plan (CERP) goals essential to Everglades Restoration. The project includes new large, electric-powered pumps at S-636, S-623, S-640, S-648, and G-200E. FPL requires a new substation to power these facilities, and that substation is currently being designed under a prior agreement with the District.

This agreement funds the construction phase of the substation, and requires the District to pay \$3.55M as its share of the full cost of \$8.45M. Construction of the substation will begin upon completion of the land transfer of a ten-acre parcel to FPL and is estimated to take up to 12 months. Timely completion of the substation will allow the EAA A2 STA portion of the project to stay on schedule by providing the pump stations and control structures with power to operate.

Core Mission and Strategic Priorities:

The EAA A2 Reservoir and Stormwater Treatment Area (STA) Project, a component of the Central Everglades Planning Project (CEPP) project located in Palm Beach County, reduces damaging discharges to the northern estuaries, increases flows to the Everglades, and helps achieve overall Comprehensive Everglades Restoration Plan (CERP) goals essential to Everglades Restoration. The project includes new large, electric-powered pumps at S-636, S-623, S-640, S-648, and G-200E. FPL requires a new substation to power these facilities, and that substation is currently being designed under a prior agreement with the District.

This agreement funds the construction phase of the substation, and requires the District to pay \$3.55M as its share of the full cost of \$8.45M. Construction of the substation will begin upon completion of the land transfer of a ten-acre parcel to FPL and is estimated to take up to 12 months. Timely completion of the substation will allow the EAA A2 STA portion of the project to stay on schedule by providing the pump stations and control structures with power to operate.

Core Mission and Strategic Priorities:

The EAA A2 Reservoir / STA Project supports the District's core mission of ecosystem restoration.

Funding Source:

Funds are budgeted in the Everglades Trust Fund in Fiscal Year 2021-2022.

Staff Contact and/or Presenter:

Alan Shirkey, ashirkey@sfwmd.gov, 561-682-2579

ATTACHMENTS:

[Resolution 2021-1011](#)

[Backup Document](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 2021 - 1011

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into an agreement with Florida Power & Light Company for the construction of an electrical substation and associated transmission line for the EAA A2 Reservoir / STA Project, in the amount of \$3,549,500 for which dedicated funds (Everglades Trust Fund) are budgeted in Fiscal Year 2021-2022; providing an effective date. (Contract No. 4600004478)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate and in the public interest to enter into an agreement with Florida Power and Light Company (FPL) for the construction of an electrical substation and associated transmission line for the EAA A2 Reservoir / STA Project, in the amount of \$3,549,500.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby approves a contract with FPL for the construction of an electrical substation and associated transmission line for the EAA A2 Reservoir / STA Project, in the amount of \$3,549,500. (Contract No. 4600004478)

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th day of October, 2021.

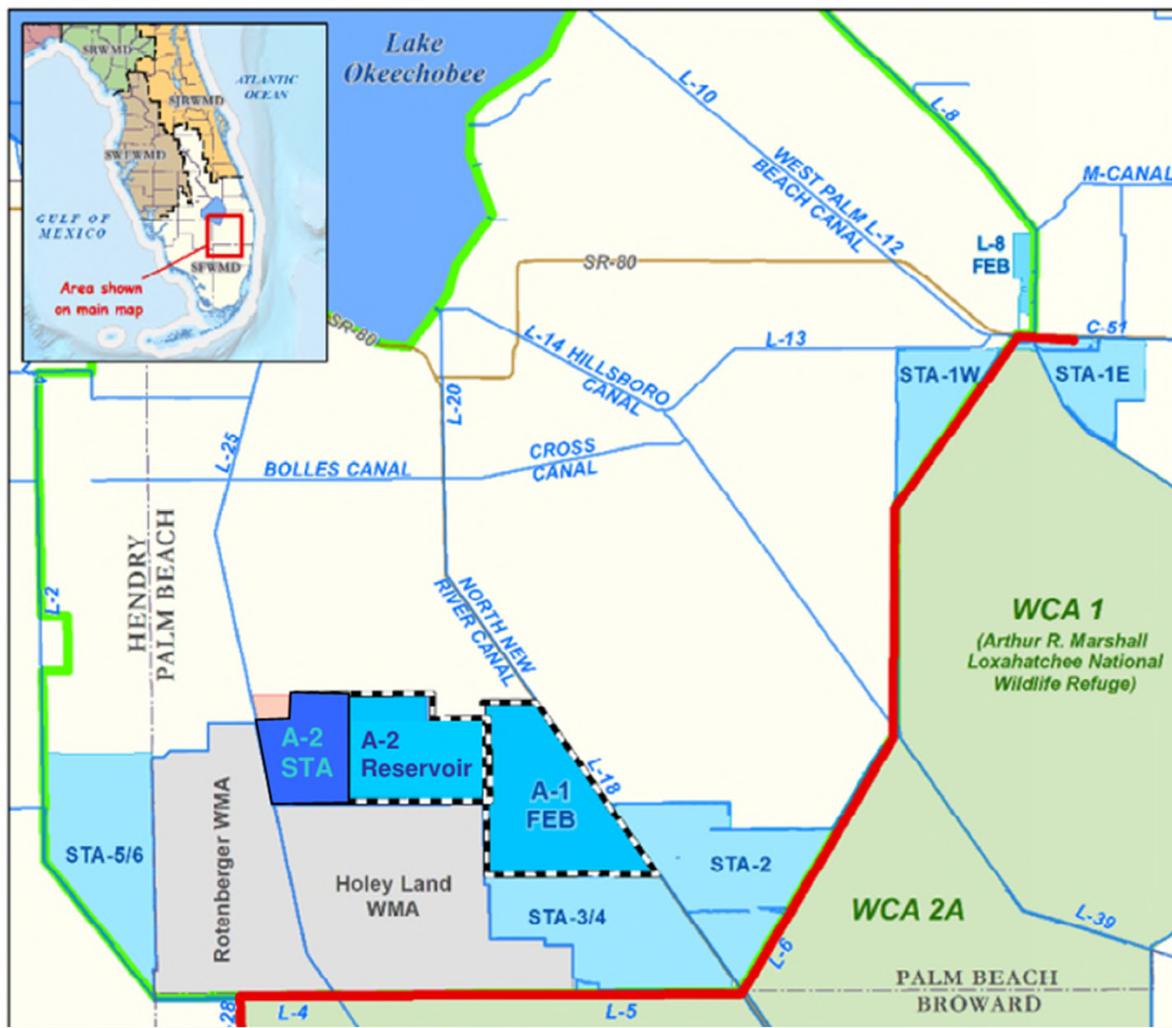
EAA A2 Reservoir / Stormwater Treatment Area (STA) Project

FPL Substation / Transmission Performance Guaranty Agreement

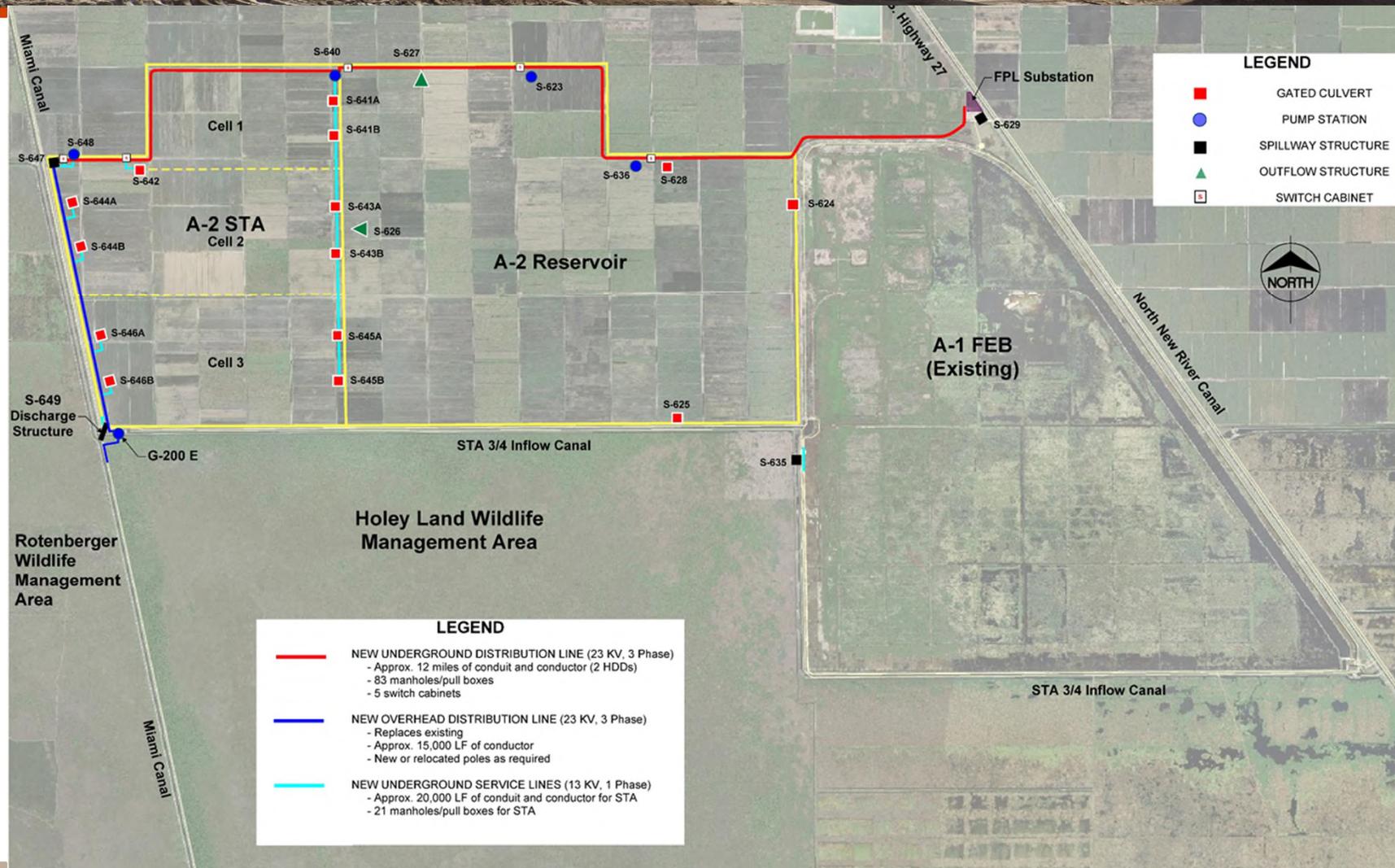
Alan Shirkey, P.E.
Operations, Engineering and Construction
South Florida Water Management District
Governing Board Meeting
October 14, 2021



Location



Project Layout & Features



Background

- EAA A2 Reservoir / STA project features include large electric powered pumps including Pump Stations S-636, S-623, S-640, S-648, and G-200E.
- The existing nearest FPL substation does not have sufficient capacity to power the large electric pumps.
- An on-site FPL substation is the most cost-effective option to provide the electrical power needed.
- The substation is being designed by FPL under a prior agreement.
- This agreement requires the District to pay \$3.55M as our share of the full cost of the \$8.45M substation.
- Construction of the substation will begin upon completion of the land transfer of a 10-acre parcel to FPL and is estimated to take up to 12 months.

MEMORANDUM

TO: Governing Board Members

FROM: Alan Shirkey, Ecosystem Restoration & Capital Projects

DATE: October 14, 2021

SUBJECT: EAA A2 Reservoir/Stormwater Treatment Area Power Distribution

Agenda Item Background:

The EAA A2 Reservoir/STA Project, a component of the CEPP project located in Palm Beach County, reduces damaging discharges to the northern estuaries, increases flows to the Everglades, and helps achieve overall CERP goals essential to Everglades Restoration.

Additional Florida Power & Light infrastructure is necessary to have reliable power to operate the STA's control structures and pump stations.

The new infrastructure consists of a new underground feeder within the northern perimeter road from the new Substation to the northeast corner of the STA, a new underground primary feed within the STA footprint itself, and five connections to existing overhead primary line to the outflow structures in the western perimeter of the project. The new underground feeder section includes approximately eight miles of underground duct bank, and the STA section includes approximately nine miles of underground duct bank. This item authorizes entering into an agreement with FPL for the construction of these facilities in the amount of \$3,237,230.

Core Mission and Strategic Priorities:

The EAA A2 Reservoir/Stormwater Treatment Area (STA) Project, a component of the Central Everglades Planning Project (CEPP) project located in Palm Beach County, reduces damaging discharges to the northern estuaries, increases flows to the Everglades, and helps achieve overall CERP goals essential to Everglades Restoration. Additional Florida Power and Light infrastructure is necessary to have reliable power to operate the STA's control structures and pump stations.

The new infrastructure consists of a new underground feeder within the northern perimeter road from the new Substation to the northeast corner of the STA, a new underground primary feed within the STA footprint itself, and five connections to existing overhead primary line to the outflow structures in the western perimeter of the project. The new underground feeder section includes approximately eight miles of underground duct bank, and the STA section includes approximately nine miles of underground duct bank. This item authorizes entering into an agreement with FPL for the construction of these facilities in the amount of \$3,237,230.

Core Mission and Strategic Priorities:

The EAA A2 Reservoir/STA Project supports the District's core mission of ecosystem restoration by increasing the District's ability to effectively treat stormwater.

Funding Source:

The EAA A2 Reservoir/STA Project will be funded through dedicated funds (Everglades Trust Fund).

Staff Contact and/or Presenter:

Alan Shirkey, ashirkey@sfwmd.gov, 561-682-2579

ATTACHMENTS:

[Resolution 2021-1012](#)

[Backup Document](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 2021- 1012

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into an agreement with Florida Power and Light Company, for the construction of additional underground distribution facilities to support the EAA A2 Reservoir / Stormwater Treatment Area (STA) Project, in the amount of \$3,237,230 for which dedicated funds (Everglades Trust Fund) are budgeted in Fiscal Year 2021-2022; providing an effective date. (Contract No. 4600004477)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into an agreement with Florida Power and Light Company, for the construction of additional underground distribution facilities to support the EAA A2 Reservoir/STA Project, in the amount of \$3,237,230.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into an agreement with Florida Power and Light Company, for the construction of additional underground distribution facilities to support the EAA A2 Reservoir / STA Project, in the amount of \$3,237,230. (Contract No. 4600004477)

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and **ADOPTED** this 14th day of October, 2021.

EAA A2 Reservoir / Stormwater Treatment Area (STA) Project

Underground Distribution Facilities Installation Agreement

Alan Shirkey

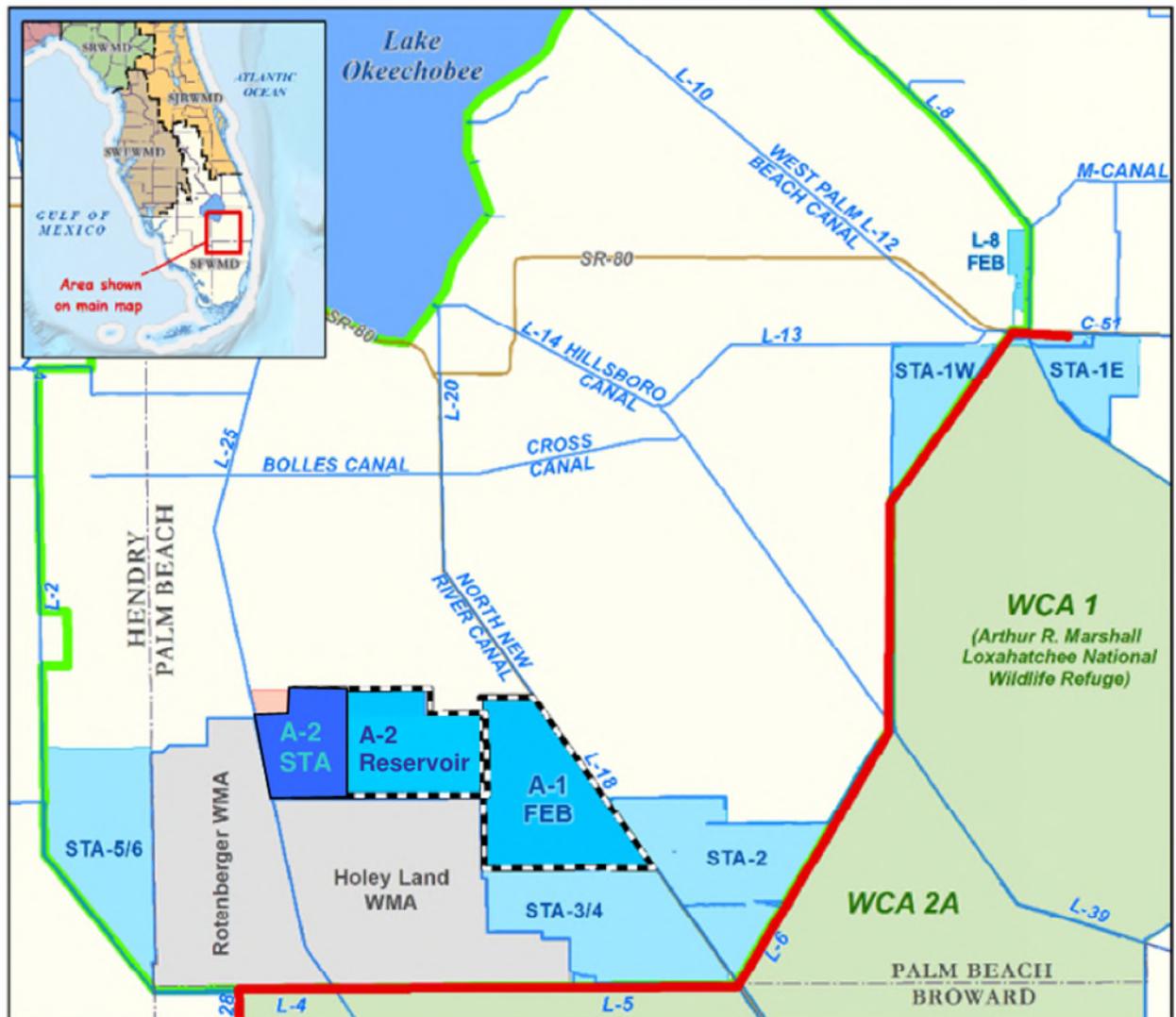
Ecosystem Restoration & Capital Projects
South Florida Water Management District

Governing Board Meeting

October 14, 2021



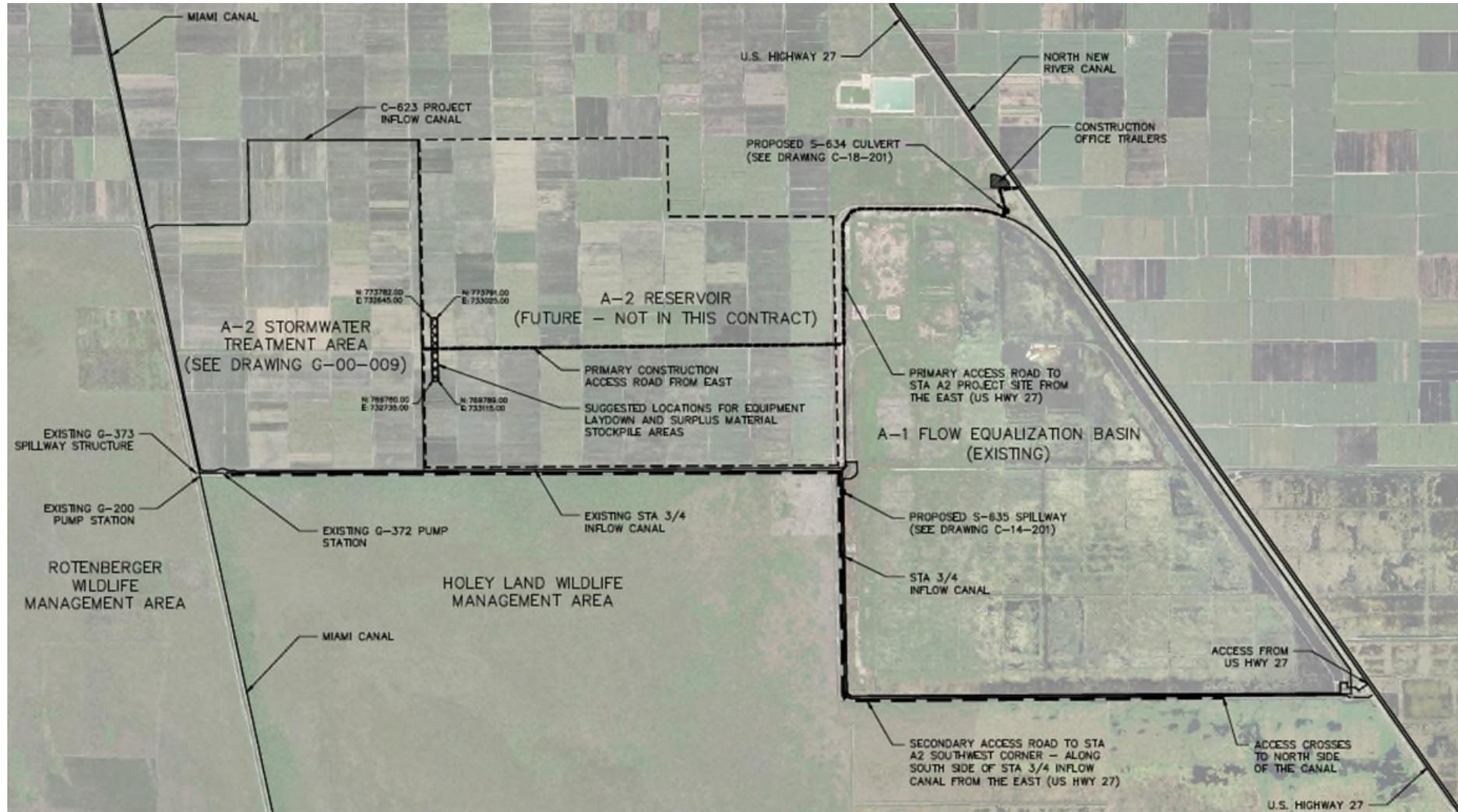
Location Map



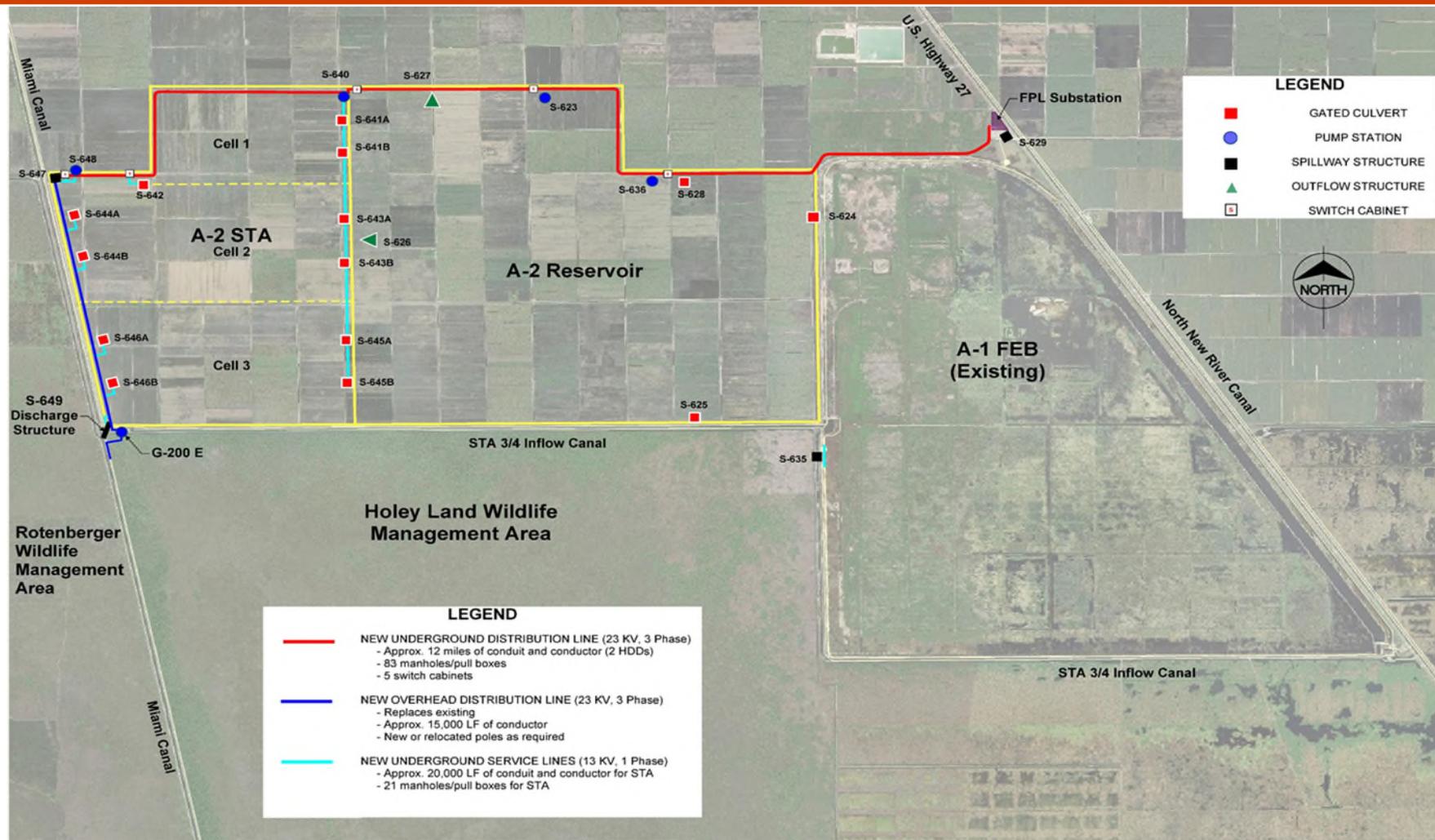
Background

- The project includes a 10,500-acre above ground storage reservoir with a storage capacity of 240,000 acre-feet and a STA with an effective treatment area of 6,500 acres.
- SFWMD is responsible for the STA project but is coordinating efforts for the whole project. Since the details of the Reservoir are still in design by the USACE, this only includes the distribution feeder to and within the STA.
- The STA includes the construction of three new cells, perimeter and interior levees, canals, water control structures, pump stations, boat ramps, maintenance ramps, and all other associated appurtenances.
- The STA Water Control Structures and Pump Stations require additional FPL infrastructure necessary to have reliable power to operate the project features to store, treat, and supply water effectively to further reduce the number, return frequency, and severity of undesirable, damaging, high-volume discharges from Lake Okeechobee to the Northern Estuaries.

EAA A2 Reservoir / STA Project Map



Power Distribution Map



Scope

- The power distribution construction consists of two different areas
 - New underground feeder within the northern perimeter road of the project from the new Substation to the northeast corner of the STA
 - New underground primary within the project and connection to existing overhead primary line to the outflow structures in the western perimeter of the project
- The new underground feeder section includes approximately eight miles of underground duct bank and splice boxes
- The STA section includes approximately nine miles of underground duct bank and 5 overhead connections over a 3-mile span
- The underground duct bank consists mainly of two six-inch conduits

MEMORANDUM

TO: Governing Board Members

FROM: Alan Shirkey, Ecosystem Restoration & Capital Projects

DATE: October 14, 2021

SUBJECT: STA-1W Expansion No. 2 Stormwater Treatment Area Project, Palm Beach County

Agenda Item Background:

The STA-1W Expansion No. 2 STA Project, a component of the Restoration Strategies Program located in Palm Beach County, works in conjunction with the existing Everglades STAs to meet the Water Quality Based Effluent Limit (WQBEL) to achieve compliance with the State of Florida's numeric phosphorus criterion for the Everglades Protection Area outlined in Rule 62- 302.540 of the Florida Administrative Code (F.A.C.) enforced by the Environmental Protection Agency. The project consists of approximately 2,173 acres and the STA area contains approximately 2,071 acres and connects to the existing STA-1W complex with a new canal to provide the hydraulic connection between the two project areas. This connection canal encompasses approximately 100 acres of land running north to south parallel to and just west of the existing L-7 Levee and Water Conservation Area No. 1. The project includes the construction of three new STA cells, a six-mile concrete lined connection canal, perimeter and interior levees, canals, water control structures, pump stations, culverts, boat ramps, maintenance ramps, and all other associated appurtenances.

The water control structures and pump stations require power to operate and additional Florida Power & Light infrastructure is necessary to have reliable power to operate the project features and treat water effectively prior to discharge into the Water Conservation Area No. 1 due to the project site being in a remote location.

The power distribution construction consists of three different areas. New overhead distribution feeder from Loxahatchee Substation to the project, new underground feeder within the connection canal, and new underground primary within the project. The overhead section includes approximately one mile of distribution line. The connection canal section includes approximately six miles of underground duct bank and splice boxes, and the STA section includes approximately nine miles of underground duct bank. The underground duct bank consists mainly of a six-inch conduit except for the connection canal section which also includes a two-inch conduit for fiber optics. This item authorizes entering into an agreement with FPL for the construction of these facilities in the amount of \$3,612,219.

Core Mission and Strategic Priorities:

The STA-1W Expansion No. 2 STA Project, a component of the Restoration Strategies Program located in Palm Beach County, works in conjunction with the existing Everglades STAs to meet the Water Quality Based Effluent Limit (WQBEL) to achieve compliance with the State of Florida's numeric phosphorus criterion for the Everglades Protection Area outlined in Rule 62- 302.540 of the Florida Administrative Code (F.A.C.) enforced by the Environmental Protection Agency. The project consists of approximately 2,173 acres and the STA area

contains approximately 2,071 acres and connects to the existing STA-1W complex with a new canal to provide the hydraulic connection between the two project areas. This connection canal encompasses approximately 100 acres of land running north to south parallel to and just west of the existing L-7 Levee and Water Conservation Area No. 1. The project includes the construction of three new STA cells, a six-mile concrete lined connection canal, perimeter and interior levees, canals, water control structures, pump stations, culverts, boat ramps, maintenance ramps, and all other associated appurtenances.

The water control structures and pump stations require power to operate and additional Florida Power & Light infrastructure is necessary to have reliable power to operate the project features and treat water effectively prior to discharge into the Water Conservation Area No. 1 due to the project site being in a remote location.

The power distribution construction consists of three different areas. New overhead distribution feeder from Loxahatchee Substation to the project, new underground feeder within the connection canal, and new underground primary within the project. The overhead section includes approximately one mile of distribution line. The connection canal section includes approximately six miles of underground duct bank and splice boxes, and the STA section includes approximately nine miles of underground duct bank. The underground duct bank consists mainly of a six-inch conduit except for the connection canal section which also includes a two-inch conduit for fiber optics. This item authorizes entering into an agreement with FPL for the construction of these facilities in the amount of \$3,612,219

Core Mission and Strategic Priorities:

The STA-1W Expansion No. 2 Project supports the District's core mission of ecosystem restoration by increasing the District's ability to effectively treat stormwater prior to discharging it into Water Conservation Area No. 1.

Funding Source:

The construction of the STA-1W Expansion No. 2 STA will be funded through dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds.

Staff Contact and/or Presenter:

Alan Shirkey, ashirkey@sfwmd.gov, 561-682-2579

ATTACHMENTS:

[Resolution 2021-1013](#)

[Backup Document](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 2021- 1013

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into an agreement with Florida Power & Light Company, for the construction of additional underground distribution facilities to support the STA-1W Expansion No. 2 Project, in the amount of \$3,612,219 for which \$3,612,219 in dedicated funds (Land Acquisition Trust Fund) and Ad Valorem funds are budgeted in Fiscal Year 2021-2022; providing an effective date. (Contract No. 4600004472)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into an agreement with Florida Power & Light Company, for the construction of additional underground distribution facilities to support the STA-1W Expansion No. 2 Project, in the amount of \$3,612,219.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into an agreement with Florida Power & Light Company, for the construction of additional underground distribution facilities to support the STA-1W Expansion No. 2 Project, in the amount of \$3,612,219. (Contract No. 4600004472)

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th day of October, 2021.

STA1W Expansion # 2 STA Project

Underground Distribution Facilities Installation Agreement

Alan Shirkey

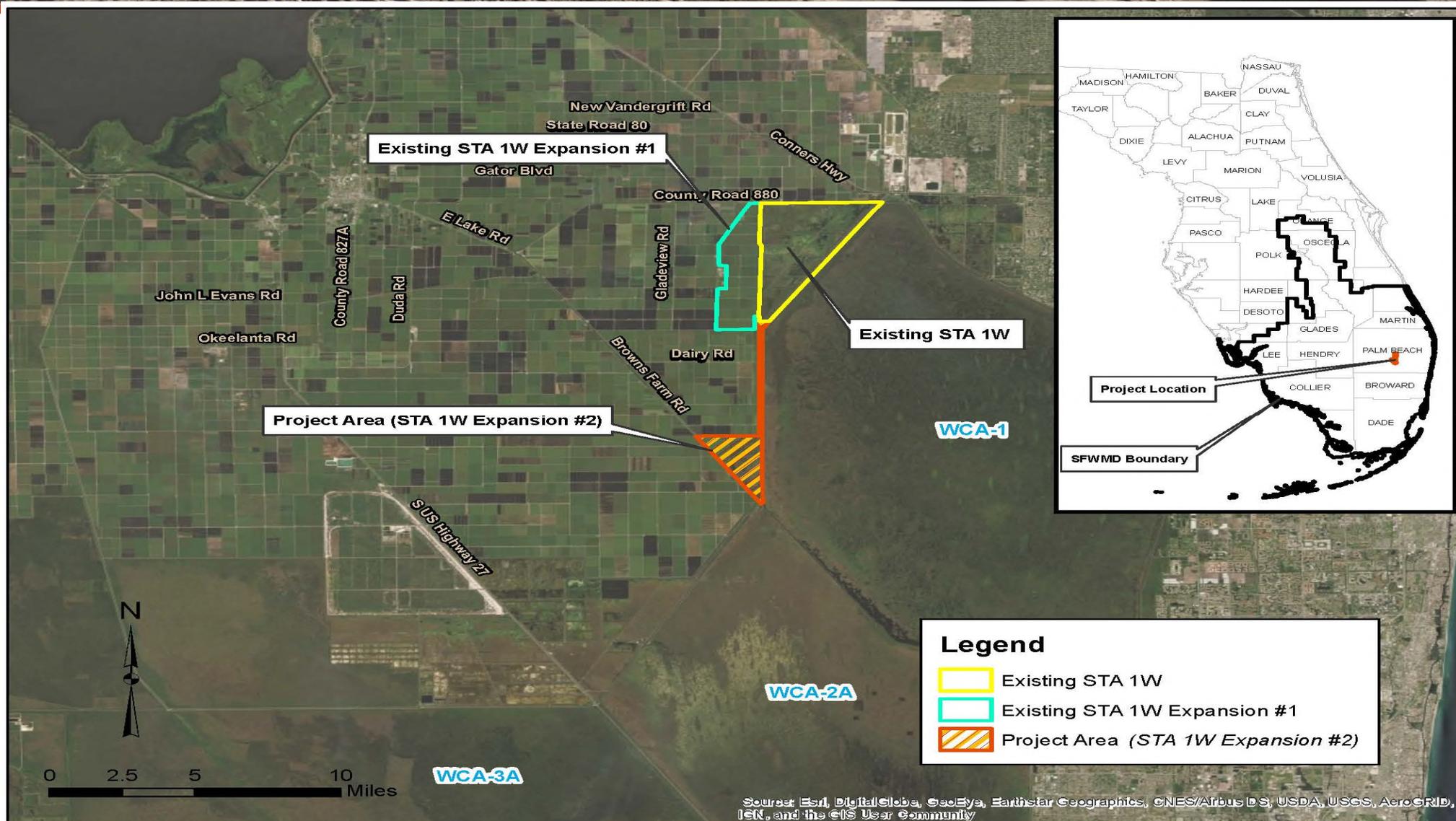
Operations, Engineering and Construction
South Florida Water Management District

Governing Board Meeting

October 14, 2021

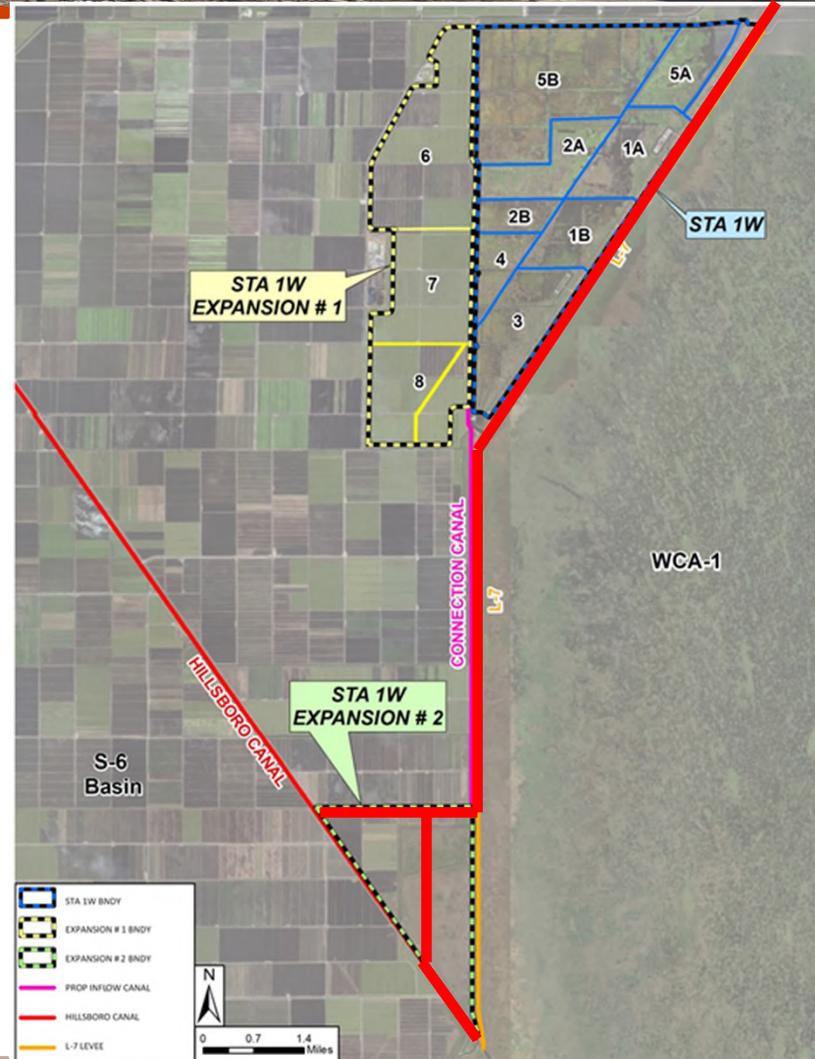


STA1W Expansion # 2 STA Location Map



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

STA1W Expansion # 2 STA Power Distribution Map



 New Power Distribution Feeder

STA1W Expansion # 2 STA Power Distribution

- The STA 1W Expansion #2 project consists of approximately 2,173-acres. The Expansion #2 STA area contains approximately 2,071-acres and connects to the existing STA 1W complex with a new canal to provide the hydraulic connection between the two (2) project areas. This connection canal encompasses approximately 100-acres of land running north-south parallel to and just west of the existing L-7 levee.
- The Project includes but is not limited to the construction of three (3) new STA cells, a 6-mile concrete lined connection canal, perimeter and interior levees, canals, water control structures, pump stations, boat ramps, maintenance ramps, and all other associated appurtenances
- The water control structures and pump stations require power to operate and additional Florida Power and Light (FPL) infrastructure is necessary to have reliable power to operate the project features and treat water effectively prior to discharge into the Water Conservation Area no. 1 due to the project site being in a remote location.
- The power distribution construction consists of three different areas. New overhead distribution feeder from Loxahatchee Substation to the project, new underground feeder within the connection canal, and new underground primary within the project. The overhead section includes approximately one mile of distribution line. The connection canal section includes approximately six miles of underground duct bank and splice boxes, and the STA section includes approximately nine miles of underground duct bank. The underground duct bank consists mainly of a six-inch conduit except for the connection canal section which also includes a two-inch conduit for fiber optics.

MEMORANDUM

TO: Governing Board Members

FROM: Alan Shirkey, Ecosystem Restoration & Capital Projects

DATE: October 14, 2021

SUBJECT: C-44 Reservoir/Stormwater Treatment Area Project, S-401 Pump Station Control Systems Completion Project Change Order No. 1, Martin County

Agenda Item Background:

As part of CERP, the C-44 Reservoir/STA Project is being constructed under several construction contracts. The District has completed the C-44 S-401 Pump Station and STA, and the USACE is finalizing the Reservoir. This Change Order No. 1 to the S-401 Pump Station Control Systems Completion allows for the final integration of the individual construction contracts into one fully functioning project and could only be accomplished once the Reservoir Embankment work was fully completed by the USACE. The work under this change order involves the replacement of instrumentation wiring on two STA Control Buildings, modifications to vacuum piping and valves at the S-401 PS discharge, and additional labor and equipment resources to accommodate the District's accelerated schedule for starting up the Pump Station. This Change Order work is necessary to allow for the precise interface between the USACE constructed features and the remaining control systems for the S-401 Pump Station Discharge. Timely completion of these efforts will allow an expedient transition from Reservoir completion to full system integration, leading to the final project testing and commissioning.

Core Mission and Strategic Priorities:

As part of the Comprehensive Everglades Restoration Plan, the C-44 Reservoir/Stormwater Treatment Area Project, located in Martin County, is being constructed under several construction contracts. The District has completed the C-44 S-401 Pump Station and STA, and the USACE is finalizing the Reservoir. This Change Order No. 1 to the S-401 Pump Station Control Systems Completion allows for the final integration of the individual construction contracts into one fully functioning project and could only be accomplished once the Reservoir Embankment work was fully completed by the USACE. The work under this change order involves the replacement of instrumentation wiring on two STA Control Buildings, modifications to vacuum piping and valves at the S-401 PS discharge, and additional labor and equipment resources to accommodate the District's accelerated schedule for starting up the Pump Station. This Change Order work is necessary to allow for the precise interface between the USACE constructed features and the remaining control systems for the S-401 Pump Station Discharge. Timely completion of these efforts will allow an expedient transition from Reservoir completion to full system integration, leading to the final project testing and commissioning.

Core Mission and Strategic Priorities:

The C-44 Reservoir/Stormwater Treatment Area Project supports the District's core mission of Ecosystem Restoration by capturing excess flows to the St. Lucie Estuary.

Funding Source:

The project will be funded through Save Our Everglades and/or Land Acquisition Trust Funds and Ad Valorem funds.

Staff Contact and/or Presenter:

Alan Shirkey, ashirkey@sfwmd.gov, 561-682-2579

ATTACHMENTS:

[Resolution 2021-1014](#)

[Backup Document](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 2021 - 1014

A Resolution of the Governing Board of the South Florida Water Management District to authorize Change Order No. 1 with All Webb Enterprises, Inc. for the C-44 Reservoir/Stormwater Treatment Area, S-401 Pump Station Control Systems Completion Project, in the amount of \$181,935.02 for which dedicated funds (Save Our Everglades Trust Fund and/or Land Acquisition Trust Fund) and Ad Valorem Funds are budgeted in Fiscal Year 2021-2022; providing an effective date. (Contract No. 4600004379-CO01)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize Change Order No. 1 with All Webb Enterprises, Inc. for the C-44 Reservoir/Stormwater Treatment Area, S-401 Pump Station Control Systems Completion Project, in the amount of \$181,935.02.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes Change Order No. 1 with All Webb Enterprises, Inc. for the C-44 Reservoir/Stormwater Treatment Area, S-401 Pump Station Control Systems Completion Project, in the amount of \$181,935.02. (Contract No. 4600004379-CO01)

Section 2. This Resolution shall take effect immediately upon adoption.

PASSED and ADOPTED this 14th day of October, 2021.

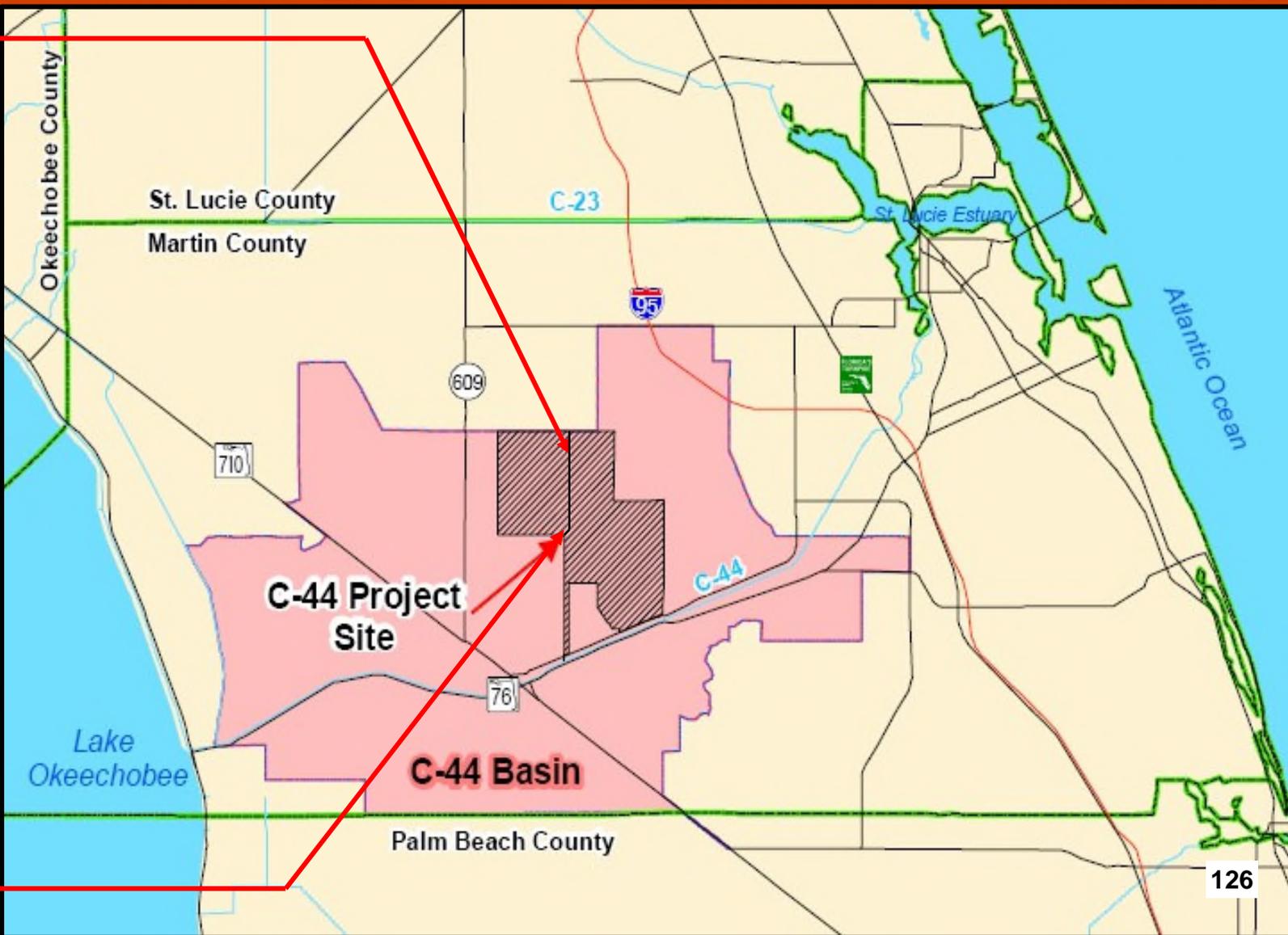
Re-Bid C-44 Reservoir/STA Project S-401 Pump Station

Control Systems Completion

Alan Shirkey, P.E.
Operations, Engineering and Construction
South Florida Water Management District
Governing Board Meeting
October 14, 2021



Location – C-44 Reservoir/STA Work Sites



Background

**Air Release and Vacuum Assemblies
At S-401 Pumps Installed On
Top of Reservoir Embankment**



Background

- Constructed C-44 S-401 Pump Station, C-44 STA and C-44 Reservoir under separate contracts
- Install air release/vacuum assemblies, fiber optic cables, electric power cables, instrumentation, controls and security equipment across construction limits to fully operate previously installed systems
- Provide adjustments to fit new piping and valves to completed Reservoir work, and to complete grounding required at various STA structures
- Allows for expedient transition to project-wide system integration at completion of reservoir construction for commissioning and initial fill

MEMORANDUM

TO: Governing Board Members

FROM: Alan Shirkey, Ecosystem Restoration & Capital Projects

DATE: October 14, 2021

SUBJECT: S-6 Pump Station Refurbishment Project - Phase 1, Palm Beach County

Agenda Item Background:

As part of the Operations and Maintenance Capital Improvement Program, the S-6 Pump Station Refurbishment Project Phase 1 will refurbish the pump station auxiliary equipment including a twenty ton bridge crane, three raw water pumps, all supply and exhaust fans, and other items in preparation of Phase 2 - refurbishment of the three 975 cfs main pumping units.

The S-6 pump station was originally constructed in 1957 by the USACE. The S-6 Pump Station conveys surface water from Lake Okeechobee and the agricultural area northwest of the pump station via the Hillsboro Canal to Stormwater Treatment Area 2 prior to discharge to Water Conservation Area 2A.

Core Mission and Strategic Priorities:

As part of the Operations and Maintenance Capital Improvement Program, the S-6 Pump Station Refurbishment Project Phase 1, located in Palm Beach County, will refurbish the pump station auxiliary equipment including a twenty ton bridge crane, three raw water pumps, all supply and exhaust fans, and other items in preparation of Phase 2 - refurbishment of the three 975 cfs main pumping units. S-6 pump station was originally constructed in 1957 by USACE. The S-6 Pump Station conveys surface water from Lake Okeechobee and the agricultural area northwest of the pump station via the Hillsboro Canal to Stormwater Treatment Area 2 prior to discharge to Water Conservation Area 2A.

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 September 28, 2021.

Core Mission and Strategic Priorities:

The S-6 Pump Station Refurbishment Project Phase 1 supports the District's core mission of Flood Protection and Ecosystem Restoration.

Funding Source:

Ad Valorem funds are budgeted in Fiscal Year 2021-2022.

Staff Contact and/or Presenter:

Alan Shirkey, ashirkey@sfwmd.gov, 561-682-2579

ATTACHMENTS:

[Resolution 2021-1015](#)

[Backup Document](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Resolution No. 2021 - 1015

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 603-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder, for the S-6 Pump Station Refurbishment Project Phase 1, in the amount of \$1,830,385 for which \$1,500,000 in Ad Valorem funds are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets; providing an effective date. (Contract No. 4600004495)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to authorize entering into a contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for the S-6 Pump Station Refurbishment Project Phase 1, in the amount of \$1,830,385.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby authorizes entering into a contract with Kiewit Infrastructure South Co. for the S-6 Pump Station Refurbishment Project Phase 1, in the amount of \$1,830,385. (Contract No. 4600004495)

Section 2. This Resolution shall take effect immediately upon adoption

PASSED and ADOPTED this 14th day of October, 2021.

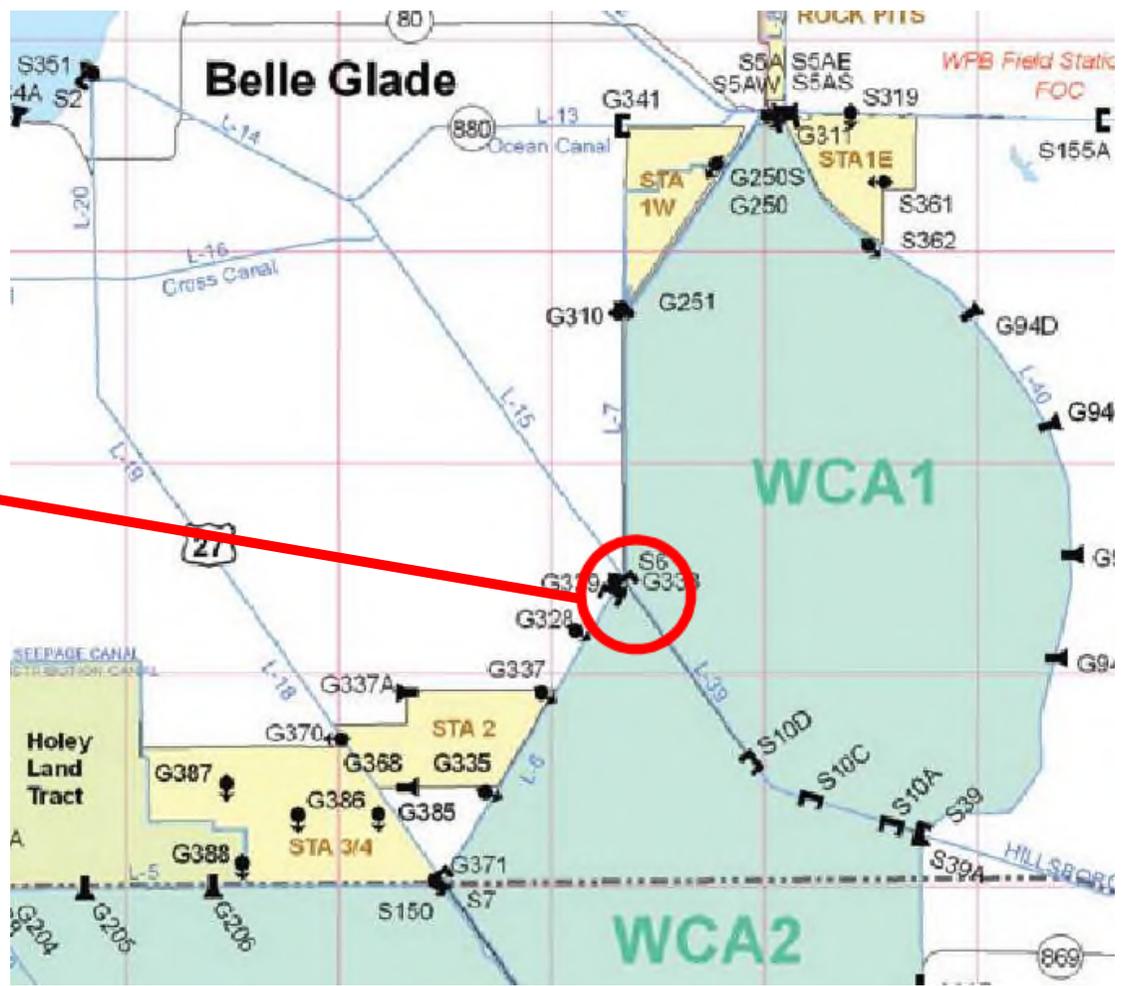
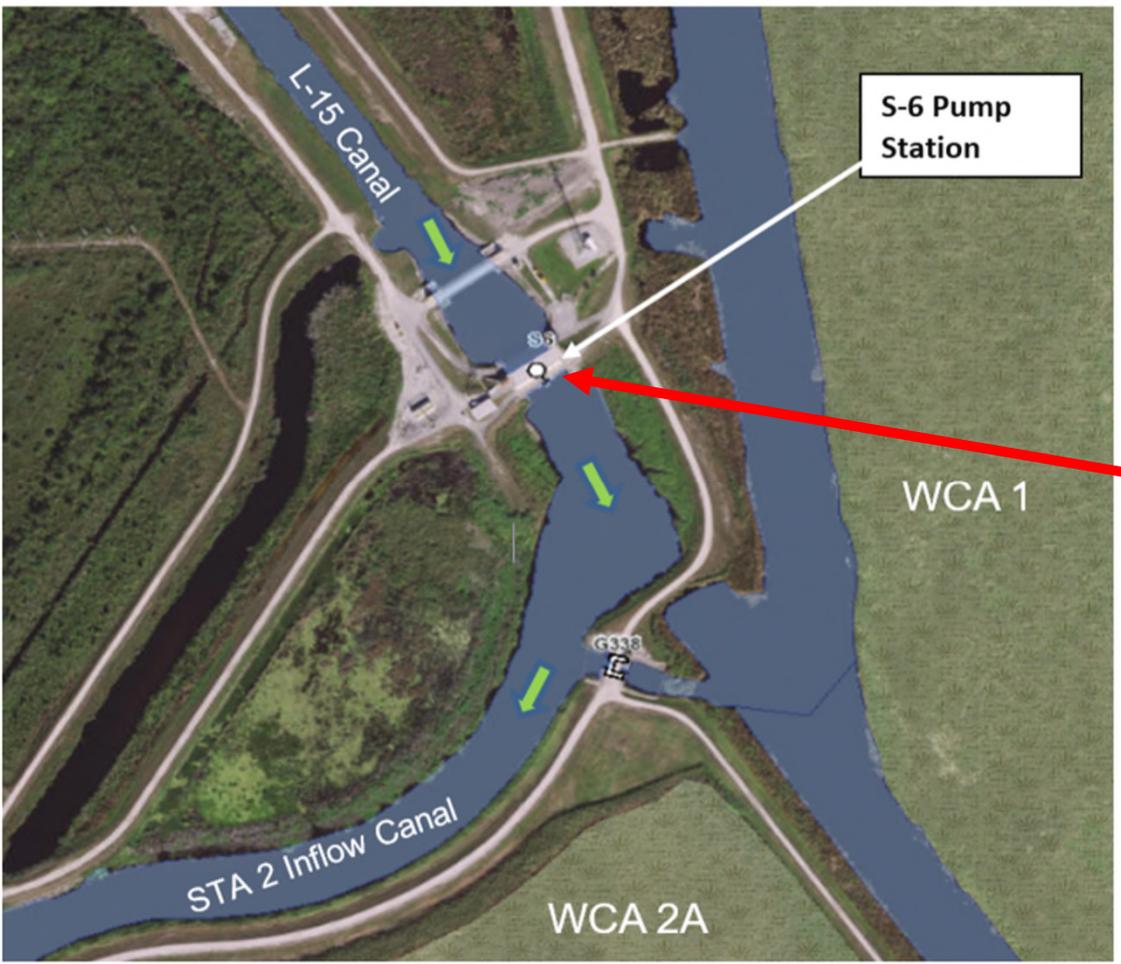
S-6 Pump Station Refurbishment Phase 1 Project

Alan Shirkey, P.E.
Bureau Chief, Engineering and Construction
South Florida Water Management District
Governing Board Meeting
October 14, 2021



Location Map

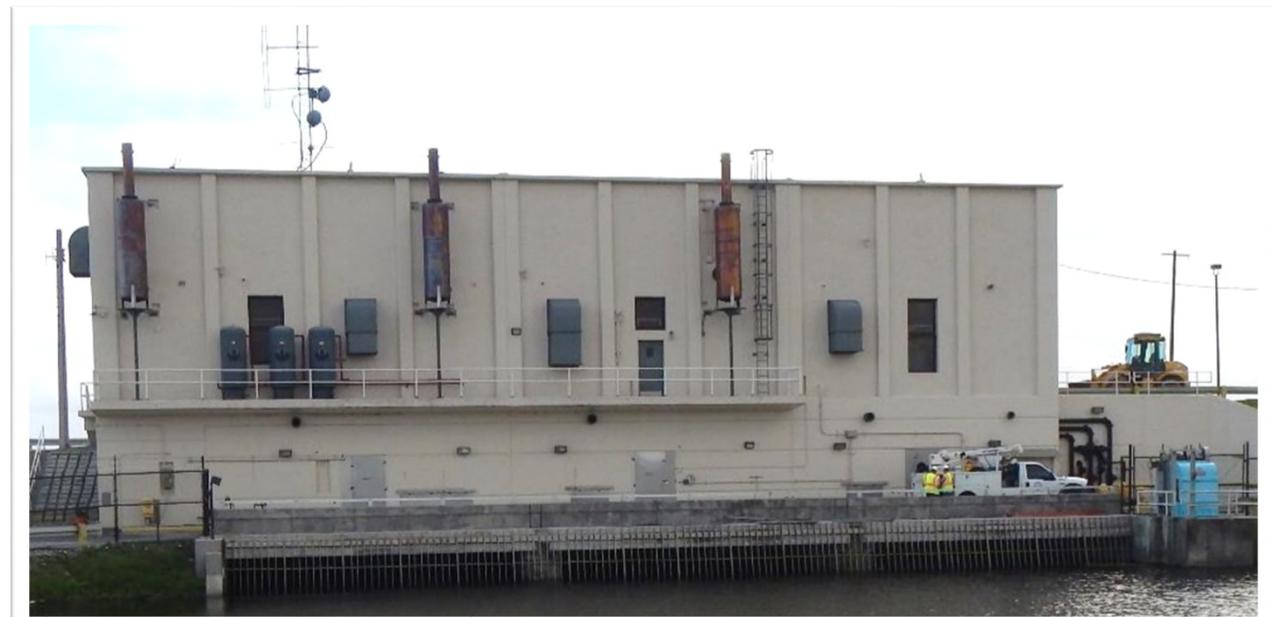
S-6 Pump Station



Background

- S-6 Pump Station was constructed by the USACE and transferred to SFWMD in 1957
- Consists of three (3) diesel driven pumping units rated at 975 cfs each
- Conveys surplus water discharges from Lake Okeechobee and the agricultural area via the Hillsboro Canal to the Stormwater Treatment Area 2 prior to discharge to Water Conservation Area 2A
- Phase 1 project will refurbish the pump station auxiliary equipment in preparation for Phase 2 - main pumping units' refurbishment

S-6 Pump Station



Scope

- Replace 20-ton indoor bridge crane
- Replace three (3) raw water pumps
- Replace four (4) supply fans
- Refurbish three (3) exhaust fans
- Replace all windows with hurricane rated windows
- Replace three (3) engine exhaust silencer support stanchions and piping stacks
- Replace twenty (20) high bay light fixtures with LED type fixtures
- Replace three (3) pump bay metal doors and fuel transfer pump metal doors with impact resistance doors

Bid Summary

- RFB Advertised: August 26, 2021
- Bid Opening: September 28, 2021
- Number of Bids Received: XX
- Bid Range: \$X,XXX,XXX - \$X,XXX,XXX
- Engineer's Estimate: \$1,058,700 - \$1,170,150



Resolution

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 603-day contract with XXX, the lowest responsive and responsible bidder, for the S-6 Pump Station Refurbishment Project Phase 1, in the amount of \$XXXXXX for which \$XXXXXX in Ad Valorem funds are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets. (Contract Number 460000XXXX)

MEMORANDUM

TO: Governing Board Members

FROM: Alan Shirkey, Ecosystem Restoration & Capital Projects

DATE: October 14, 2021

SUBJECT: S-290 and S-285 Retrofit & Automation, Glades County

Agenda Item Background:

As part of the Capital Improvement Program, the S-290 and S-285 SCADA Retrofit & Automation Project will allow the District to operate the headwater section of these structures. The District will install standard features for remote SCADA operation of the S285 and S290 structures' headwater gates, including a new control/generator building, new headwater and tailwater stilling wells and ancillary features.

S-290 (IP-2) and S-285 (HP-6) are water control structures located along the Herbert Hoover Dike on the west side of Lake Okeechobee. They are slide gate box culvert structures that were recently constructed by the USACE. The purpose was to replace the existing aging G-75 and G-76 structures, respectively. USACE will continue to maintain the new structures and will operate tailwater conditions as part of Lake Okeechobee. The District will operate headwater conditions by opening and closing the slide gates to balance upstream water supply and flood control. This project involves retrofitting the existing S-290 and S-285 structure sites with standard District SCADA equipment, a new control building with generator, and miscellaneous site-civil improvements.

Core Mission and Strategic Priorities:

As part of the Capital Improvement Program, the S-290 and S-285 SCADA Retrofit & Automation Project, located in Glades County, will allow the District to operate the headwater section of these structures. The District will install standard features for remote SCADA operation of the S285 and S290 structures' headwater gates, including a new control/generator building, new headwater and tailwater stilling wells and ancillary features.

S-290 (IP-2) and S-285 (HP-6) are water control structures located in Glades County along the Herbert Hoover Dike on the west side of Lake Okeechobee. They are slide gate box culvert structures that were recently constructed by the US Army Corps of Engineers (USACE). The purpose was to replace the existing aging G-75 and G-76 structures, respectively. USACE will continue to maintain the new structures and will operate tailwater conditions as part of Lake Okeechobee. The District will operate headwater conditions by opening and closing the slide gates to balance upstream water supply and flood control. This project involves retrofitting the existing S-290 and S-285 structure sites with standard District SCADA equipment, a new control building with generator, and miscellaneous site-civil improvements.

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 September 13, 2021.

Core Mission and Strategic Priorities:

The S-290 and S-285 SCADA Retrofit & Automation Project efforts support the District's core mission of flood control.

Funding Source:

Ad Valorem funds in the amount of \$1,700,000 are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets.

Staff Contact and/or Presenter:

Alan Shirkey, ashirkey@sfwmd.gov, 561-682-2579

ATTACHMENTS:

[Resolution 2021-1016](#)

[Notice Intent to Award](#)

[Kiewit Unit Cost Average](#)

[Backup Document](#)

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

RESOLUTION NO. 2021 - 1016

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into a 557-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for the S-290 and S-285 SCADA Retrofit & Automation Project, in the amount of \$3,090,600 for which Ad Valorem funds in the amount of \$1,700,000 are budgeted in Fiscal Year 2021-2022 and the remainder is subject to Governing Board approval of future years budgets. (Contract No. 4600004486)

WHEREAS, the Governing Board of the South Florida Water Management District deems it necessary, appropriate, and in the public interest to enter into a 557-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for the S-290 and S-285 SCADA Retrofit & Automation Project, in the amount of \$3,090,600.

NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BOARD OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT:

Section 1. The Governing Board of the South Florida Water Management District hereby approves a 557-day contract with Kiewit Infrastructure South Co., the lowest responsive and responsible bidder for the S-290 and S-285 SCADA Retrofit & Automation Project, in the amount of \$3,090,600. (Contract No. 4600004486)

Section 2. This Resolution shall take effect immediately upon adoption

PASSED and **ADOPTED** this 14th day of October, 2021.



**SOUTH FLORIDA WATER MANAGEMENT DISTRICT
NOTICE OF INTENT TO AWARD**

RFB No.: 600001178	Title: S-290 AND S-285 SCADA RETROFIT AND AUTOMATION, GLADES COUNTY
SBE Subcontracting Goal: 25%	Opening Date: 9/20/2021 @ 2:30 P.M.
Total Bids Received: 1	Advertised Date: 8/5/2021
Bids Received from SBEs: 0	Advertisement: Glades County Democrat
Total Number of Planholders: 12	
Total SBE Planholders: 4	
Contract Specialist: Bonnie Cantrell	
Project Manager: Rob Fitzpatrick	

<u>BIDDERS</u>	<u>BID AMOUNT</u>
Kiewit Infrastructure South Co.	\$3,170,600.00

The bid amounts indicated above are as submitted at the bid opening and are subject to verification. Award of the contracts to the lowest bidder is subject to the District's determination that the bid is responsive and that the bidder is responsible as indicated by the signatures below.

Approvals required in numerical order. Signatures must be dated.

Project Manager - Attach detailed justification that recommended bidder is responsive and responsible.

Recommendation for award to low bidder?
 Yes No

If no, recommend award to:

Basis of recommendation: _____

Governing Board approval of award or contract required?
 Yes No

**Signature only required when recommendation of award is to other than low bid (when low bidder has been deemed non-responsive and/or non-responsible). CS or PM must provide backup as appropriate in all cases. (Insert N/A if not applicable.)*

1.	_____	_____
	<i>Project Manager</i>	<i>Date</i>
2.	_____	_____
	<i>Section Administrator</i>	<i>Date</i>
3.	_____	_____
	<i>Bureau Chief</i>	<i>Date</i>
4.	_____	_____
	<i>Division Director</i>	<i>Date</i>
5.	_____	_____
	<i>Contract Specialist</i>	<i>Date</i>
6.	_____	_____
	<i>Contract Manager</i>	<i>Date</i>
7.	_____	_____
	<i>Office of Counsel *</i>	<i>Date</i>
8.	_____	_____
	<i>Procurement Bureau Chief</i>	<i>Date</i>

NOTE: This form shall serve as the District's Notice of a decision or intended decision as defined in Section 120.57(3)(a) F.S., and Chapter 28-110, Florida Administrative Code (F.A.C.). Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes. Any protest or bond or other security must be filed with the District Clerk.

Posting Date: _____
Posting Time: _____
Initials: _____

MEMORANDUM

TO: Rob Fitzpatrick, Engineering & Construction Bureau

FROM: Bonnie Cantrell, Lead Contract Specialist *BC*

DATE: September 20, 2021

SUBJECT: Determination of Responsibility
RFB 6000001178, S-290 and S-285 SCADA Retrofit and Automation,
Glades County, Florida

Procurement has completed a responsiveness review of the only bid submitted in response to the referenced project. The lowest bid received from Kiewit Infrastructure South Co., is responsive to the solicitation requirements. Please verify that the Kiewit Infrastructure South Co. bid meets responsibility requirements and complete the attached checklist.

If all responsibility conditions are satisfied, please prepare a recommendation memo, sign the attached Posting Notice, route the entire package for signatures and return to the contract specialist, Bonnie Cantrell.

Thank you

**RESPONSIVENESS/RESPONSIBILITY CHECKLIST
CONSTRUCTION RFB**

SOLICITATION NUMBER: 6000001178

Instructions: Insert a checkmark or 'N/A' in the space provided for each Bidder who meets the solicitation requirements.
Insert 'Non-responsive' or 'Non-responsible', as applicable, for each respondent who does not meet the solicitation requirements.

RESPONSIVENESS CHECKLIST - PROCUREMENT

VENDOR NAME:	Kiewit Infrastructure South Co.												
TIMELY SUBMISSION	Yes												
APPROVAL OF BID BOND	Yes												
APPROVAL OF SBE DOCUMENTATION BY SBE OFFICE	Yes												
ALL BID FORMS LISTED ON PAGE 00310 - SIGNED	Yes												
FLORIDA SECRETARY OF STATE CERTIFICATE – ATTACHED TO BID	Yes												
COPY OF REQUIRED LICENSURE – ATTACHED TO BID	Yes												
IS CONTRACTOR ON THE CONVICTED VENDOR LIST?	No	9/20/2021											
IS CONTRACTOR ON THE DISCRIMINATORY VENDOR LIST?	No	9/20/2021											
IS CONTRACTOR ON THE DISTRICT'S SUSPENSION LIST?	No	9/20/2021											
IS CONTRACTOR ON THE SCRUTINIZED COMPANIES LIST?	No	9/20/2021											

CONTRACT SPECIALIST: Bonnie Pantrell **COMPLETION DATE:** 09/20/2021

RESPONSIBILITY CHECKLIST –ENGINEERING & CONSTRUCTION

ACTIVE MINIMUM LICENSING REQUIREMENTS AS SPECIFIED IN THE RFB PACKAGE							
ACTIVE STANDING WITH FLORIDA SECRETARY OF STATE							
DISTRICT PAST PERFORMANCE RECORDS	Yes/Interim						
SATISFACTORY REFERENCES: RECORD OF INTEGRITY & BUSINESS ETHICS							
SATISFACTORY CAPACITY, EQUIPMENT, FACILITIES, MANAGEMENT EXPERTISE							

PROJECT MANAGER: _____ **COMPLETION DATE:** _____

MEMORANDUM

TO: File

DATE: September 20, 2021

SUBJECT: Bid Bond Review
RFB 6000001178 – S-290 and S-285 SCADA Retrofit and Automation,
Glades County, FL

Bid Bonds submitted by the only bidder for the referenced project was reviewed by Procurement.

If the bids did not meet the District's standards for responsiveness, exception(s) will be reviewed by Legal and they shall determine if the exception is a minor or a major irregularity, which may deem the bidder(s) non-responsive.

Exception: _____

Check for the following:

- Website – www.ambest.com
- District Bid Bond Form used or Other Bid Security provided
 - Bid Bond form is signed w/seal
- Bond is in Prime Bidder's name
- Power of Attorney Affidavit attached
- 5% of Total Base Bid

Bonds acceptable:

1. Kiewit Infrastructure South Co. – Travelers Casualty and Security Company of America – A++

Bid Amounts:

1. Kiewit Infrastructure South Co. - \$3,170,600.00

BID BOND

(ITEM 3A)

KNOW ALL MEN BY THESE PRESENTS, that we, Kiewit Infrastructure South Co. as Principal and Travelers Casualty and Surety Company of America, as Surety, are held and firmly bound unto South Florida Water Management District, in the penal sum of Five percent of bid --- dollars (\$ 5% of bid ---) lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THE OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying bid, dated SEPTEMBER 20, 2021, for the Contract Documents:

Contract Number: RFB 6000001178
 Contract Title: S-290 and S-285 SCADA Retrofit and Automation, Glades County, FL

NOW, THEREFORE, if the Principal:

1. Does not withdraw said Bid within one hundred twenty (120) calendar days after date of opening of the same, and
2. Within seven (7) business days after the date of the Notice of Apparent Low Bidder:
 - a. Provides a Statutory Payment Bond and a Common Law Performance Bond as specified in the General Terms & Conditions (if the Bid Amount exceeds \$200,000.00) or, in lieu of the Statutory Payment Bond or Common Law Performance Bond, provide an alternate form of security as specified in the General Terms & Conditions; and
 - b. Provides the District's insurance certificate, completed by a lawfully authorized insurance agent; and
3. Within seven (7) business days of receipt of the contract, enters into a written contract with South Florida Water Management District, in accordance with the Bid, as accepted,

then the above obligations of the Principal and Surety shall be null and void. However, should the Principal fail to fully comply with the conditions of the numbered paragraphs 1 or 2 above, then the Principal and Surety, jointly and severally, shall be liable to the District for the full penal sum of this Bond which shall be forfeited to the District as liquidated damage, but not a penalty, as a result of the Principal's failure to comply with the bid instructions and conditions, regardless of whether the District ultimately decides to change the project requirements or resolicit bids.

The remedies provided herein are not to be construed as the District's exclusive remedies for the Principal's failure to enter into a contract with the District, but shall be deemed supplemental to all remedies available to the District at law or otherwise.

DATED ON September 9, 2021.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

N/A
 (Witness)

By: N/A
 (Individual Principal)

N/A
 (Witness)

N/A
 Business Address

WHEN THE PRINCIPAL OPERATES UNDER A TRADE NAME:

Signed and delivered in the presence:

N/A
(Witness)

N/A
(Business Name and Address)

N/A
(Witness)

By: N/A
Signature of Individual

WHEN A PARTNERSHIP:

Signed and delivered in the presence:

N/A
(Witness)

N/A
(Name of Partnership)

N/A
(Witness)

By: N/A
Signature of Individual

WHEN THE PRINCIPAL IS A CORPORATION:

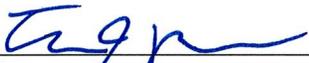
ATTEST:

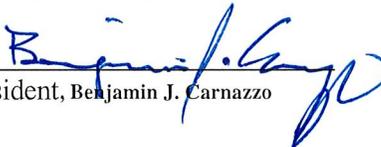
Kiewit Infrastructure South Co.

(Corporate Principal)

1580 Sawgrass Corp. Parkway, Suite 300
Sunrise, FL 33323

Business Address


Asst. (Secretary) Thomas J. Boyle

By: 
Sr. Vice. President, Benjamin J. Carnazzo

SURETY:

ATTEST:

(Corporate Seal)

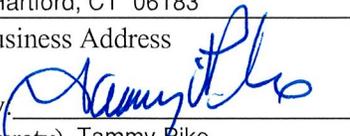
Travelers Casualty and
Surety Company of America

(Corporate Surety)

One Tower Square
Hartford, CT 06183

Business Address


(Secretary) Kathy Wendorf
Resident Assistant Secretary

By: 
(Surety) Tammy Pike
Non-Resident Agent & Attorney-in-Fact

C T Corporation System
1200 South Pine Island Road, Plantation, FL, 33324

Florida Address for Service of Process

(312) 283-1715

Telephone Number

(Surety shall provide evidence of signature authority, i.e., a certified copy of Power of Attorney.)



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

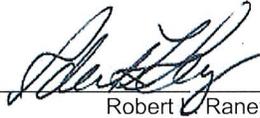
KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Philip G. Dehn, Tammy Pike, Paul A. Foss, Marie Huggins, Traci Sutton, and Deanne Jones of Omaha, Nebraska**, their true and lawful Attorney (s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in the, r business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, 2021.



State of Connecticut

City of Hartford ss.

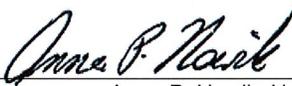
By: 
Robert L. Raney, Senior Vice President

On this the **21st** day of **April**, 2021, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, 2026




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 9th day of September, 2021




Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

Travelers Casualty and Surety Company of America

AMB #: 003609 NAIC #: 31194 FEIN #: 060907370

Domiciliary Address

One Tower Square
Hartford, Connecticut 06183
United States

Web: www.travelers.com

Phone: 860-277-0111

Fax: 844-816-9447

Assigned to insurance companies that have, in our opinion, a superior ability to meet their ongoing insurance obligations.



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Based on AM Best's analysis, 058470 - The Travelers Companies, Inc. is the **AMB Ultimate Parent** and identifies the topmost entity of the corporate structure. [View a list of operating insurance entities in this structure.](#)

Best's Credit Ratings

Financial Strength [View Definition](#)

Rating (Rating Category): A++ (Superior)

Outlook (or Implication): Stable

Action: Affirmed

Effective Date: November 05, 2020

Initial Rating Date: June 30, 1975

Long-Term Issuer Credit [View Definition](#)

Rating (Rating Category): aa+ (Superior)

Outlook (or Implication): Stable

Action: Affirmed

Effective Date: November 05, 2020

Initial Rating Date: April 18, 2005

Financial Size Category [View Definition](#)

Financial Size Category: XV (\$2 Billion or greater)

u Denotes Under Review Best's Rating

Best's Credit Rating Analyst

Rating Office: A.M. Best Rating Services, Inc.

Senior Financial Analyst: Elizabeth Blamble

Senior Director: Michael J. Lagomarsino, CFA, FRM

Note: See the Disclosure information Form or Press Release below for the office and analyst at the time of the rating event.

Note: Credit Ratings on this company are European Union Endorsed and United Kingdom Endorsed

Disclosure Information

Disclosure Information Form

[View AM Best's Rating Disclosure Form](#)

Press Release

[AM Best Affirms Credit Ratings of The Travelers Companies, Inc. and Its Main Subsidiaries
November 05, 2020](#)

[View AM Best's Rating Review Form](#)

Rating History

AM Best has provided ratings & analysis on this company since 1975.

Financial Strength Rating

Effective Date	Rating
11/5/2020	A++
11/5/2019	A++
10/31/2018	A++

10/5/2017	A++
7/22/2016	A++

Long-Term Issuer Credit Rating

Effective Date	Rating
11/5/2020	aa+
11/5/2019	aa+
10/31/2018	aa+
10/5/2017	aa+
7/22/2016	aa+

Best's Credit & Financial Reports



Best's Credit Report - financial data included in Best's Credit Report reflects the data used in determining the current credit rating(s).



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<u>Date</u>	<u>Title</u>
Nov 05, 2020	AM Best Affirms Credit Ratings of The Travelers Companies, Inc. and Its Main Subsidiaries
Nov 05, 2019	AM Best Affirms Credit Ratings of The Travelers Companies, Inc. and Its Main Subsidiaries
Oct 31, 2018	A.M. Best Affirms Credit Ratings of The Travelers Companies, Inc. and Its Main Subsidiaries
Oct 05, 2017	A.M. Best Affirms Credit Ratings of The Travelers Companies, Inc. and Its Subsidiaries
Jul 22, 2016	A.M. Best Affirms Ratings of The Travelers Companies, Inc. and Its Subsidiaries
May 28, 2015	A.M. Best Affirms Ratings of The Travelers Companies, Inc. and Its Subsidiaries

Page size: 26 items in 3 pages

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MEMORANDUM

TO: Joni Fox, Procurement Bureau
FROM: Bonnie Cantrell, Lead Contract Specialist, Procurement *BC*
DATE: September 20, 2021
SUBJECT: SBE Participation Review - SBE Goal 25%
RFB 6000001178
S-290 and S-285 SCADA Retrofit and Automation, Glades County, FL

Attached is a copy of the only bid submitted in response to the referenced project. Please review and evaluate the bids for compliance with the solicitation requirements.

1. - \$3,170,600.00



Name

9/20/21
Date

**SMALL BUSINESS ENTERPRISE (SBE)
BID EVALUATION**

SOLICITATION #: 6000001178						SBE GOAL: 25%	
TITLE: RFB: 6000001178 S290 and S-285 SCADA Retrofit and Automation						CA/PA: B. Cantrell	
Prime/Sub-Contractors	Prime Contractor's Proposed Participation	SAP ID SBE Status	Cert. Status District Certification Date	Documents Provided		Service(s) Provided	Prime Met the SBE Goal Yes/No
				Statement of Intent	SBE Sub Participation Schedule		
Prime Contractor:							
Kiewit Infrastructure South Co.	74.67%				YES	Prime Contractor	YES
Sub-Contractors:							
Valor Construction Management, LLC	23.91%	YES	3/16/2021	YES		Electrical and Controls	
D&J Machinery, Inc.	1.42%	YES	9/3/2021	YES		Machine Work	
	25.33%						

Prime Contractor:							
Sub-Contractors:							
	0.00%						

Prime Contractor:							
Sub-Contractors:							
	0.00%						

Prime Contractor:							
Sub-Contractors:							
	0.00%						

Prepared By: Joni Lynn Fox / jd	Date: 9/20/21
---------------------------------	---------------


ABBREVIATIONS: N/P = Not Provided
 INC = Incomplete



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

ORIGINAL

REQUEST FOR BIDS (RFB)	NUMBER: 6000001178 ISSUE DATE: August 5, 2021
TITLE: S-290 AND S-285 SCADA RETROFIT AND AUTOMATION, GLADES COUNTY, FL	
Direct all Inquiries in Writing to: Contract Specialist: Bonnie Cantrell	Inquiry Period: From – August 5, 2021 to August 26, 2021
Phone No. (561) 682-2521 Fax No. (561) 682-5319 E-Mail: bcantrel@sfwmd.gov Inquiries must reference Contract: 6000001178	Dollar Range: \$1,822,998.88 to \$2,014,893.50 Small Business Enterprise (SBE) Utilization: 25%
An Optional pre-bid conference will be held: TIME: 10:00 a.m. DATE: August 23, 2021 PLACE: Okeechobee Field Station 1000 NE 40 th Avenue Okeechobee, FL 34972 For directions call (863) 462-5280 <i>A SITE VISIT WILL IMMEDIATELY FOLLOW</i>	Liquidated Damages to Substantial Completion: \$1,000.00 Per Day Liquidated Damage from Substantial to Final Completion: \$500.00 Per Day CONTRACT TIME: 497 days to Substantial Completion 557 days* to Final Completion *Includes punchlist work and close out documentation.
Deadline For SEALED Bid Submission: SEPTEMBER 13, 2021 - 2:30 P.M. One (1) Original and One (1) Copy of the Bid Required Confirmation of timely receipt of bid may be made by calling (561) 682-2011 or 1-800-472-5290.	
Bids Must Be Submitted to the Following Address: South Florida Water Management District Attn: Procurement Bureau B-1 Building, 3301 Gun Club Road West Palm Beach, FL 33406	BIDS MUST BE SUBMITTED IN A SEALED PACKAGE AND MARKED WITH THE CONTRACT NUMBER AND TITLE, AND THE BIDDER'S NAME AND ADDRESS. THE DISTRICT WILL NOT ACCEPT BIDS THAT ARE NOT SUBMITTED IN ACCORDANCE WITH THESE INSTRUCTIONS.
Document Availability: Contract Documents will be available after 8:30 a.m. on the Issue Date , in the SFWMD Procurement Bureau. Call (561) 682-2011 or 1-800-472-5290, option 1 for directions.	
Attachments: Drawings Numbered: 1-87 Technical Specifications Geotechnical Data Report for Herbert Hoover Dike Rehabilitation Structure Replacements S-292 (IP-1) and S-290 (IP-2) Reconstruction, April 2016 Geotechnical Data Report for Herbert Hoover Dike Rehabilitation Structure Replacements S-285 (HP-6) Reconstruction, Nov. 2016 Herbert Hoover Dike Rehabilitation Structure Replacement Plans for Construction of S-290 (IP-2) Reconstruction, dated May/June, 2016 Herbert Hoover Dike Rehabilitation Structure Replacement Plans for Construction of S-285 (HP-6) Reconstruction, dated Jan, 2017 Historical water elevation data, DISTRICT DBHYDRO database	Existing electrical gate actuator construction shop drawings: <ul style="list-style-type: none">○ S-290: Transmittal No. 29 29 10-1.8; Contract No. W912EP-16-C-0019; Contract Title, "Herbert Hoover Dike Rehabilitation, Structure Replacements, S-290 (IP-2) and S-292 (IP-1) Reconstruction○ S-285: Transmittal No. 26 29 10-1.3; Contract No. W912EP-17-C-0044; Contract Title, "Herbert Hoover Dike Rehabilitation, Structure Replacement, S-285 (HP-6) Reconstruction," 10/22/2019.○ S-285: Transmittal No. 26 29 10-1.4; Contract No. W912EP-17-C-0044; Contract Title, "Herbert Hoover Dike Rehabilitation, Structure Replacement, S-285 (HP-6) Reconstruction," 11/11/2019

PROJECT DESCRIPTION:

CONTRACT TITLE: S-290 AND S-285 SCADA RETROFIT AND AUTOMATION, GLADES COUNTY, FL
CONTRACT NUMBER: 6000001178

Project Description:

Project includes but is not limited to; Retrofitting the S-290 and S-285 structures with standard DISTRICT SCADA equipment and a new control building with generator to be constructed.

Directions:

S-285 site is located off of state road 78 approximately 2.25 miles north on county road 721

S-290 site is located off of state road 78 approximately 2.5 miles North West along C-40 private access road

Both sites are located within Glades County Florida

BID FORM CHECKLIST

CONTRACT NO. 6000001178

This Bid Form Checklist is provided for the convenience of the respondent and shall not be relied upon in lieu of the instructions or requirements of this solicitation. To ensure that your bid package is complete, please review the following items to confirm that they have been addressed and are enclosed. There is no requirement to return this checklist with your bid package.

ITEM	
1. BID FORM – PAGES 1-5 (must be completed & signed)	✓
• Item A-C	✓
• Item D must include the following attachments:	✓
STATE OF FLORIDA AUTHORIZATION TO DO BUSINESS (Item 1.2)	✓
FELONY CONVICTS (Item 1.3)	✓
LICENSE COPIES (Item 2)	✓
REFERENCES (Item 3)	✓
ADDITIONAL INFORMATION (Item 4)	N/A
2. DISTRICT'S BID BOND (must be signed and sealed) Substitute bid bond form will NOT be accepted.	✓
3. ALLOWABLE ALTERNATE SECURITY, submitted in lieu of bid bond	N/A
4. Proof of ability to provide Maintenance Bond (General Terms & Conditions Article 5.02 B)	N/A
5. SBE UTILIZATION PLAN:	
• STATEMENT OF INTENT TO PERFORM AS AN SBE SUBCONTRACTOR, submitted for and signed by EACH SBE Subcontractor. <i>Prime Contractor cannot sign the form for the SBE. Please fill both the price and percentage of work columns on this form.</i>	✓
• SCHEDULE OF SUBCONTRACTOR/SBE PARTICIPATION, completed by the Bidder.	✓
6. TRENCH SAFETY ACT (if applicable - Choose option A or B)	✓

CONSTRUCTION BID FORM

CONSTRUCTION OF S-290 AND S-285 SCADA RETROFIT AND AUTOMATION, GLADES COUNTY, FL CONTRACT NO. 6000001178

The statements completed below are material representations of fact upon which reliance will be placed when making an award. If it is later determined that the Respondent knowingly rendered an erroneous statement, certification or representation in this document, the Director of Procurement may terminate the contract resulting from this solicitation for default and the District may suspend or debar the Respondent or pursue any other available remedies.

A. STATEMENT OF BUSINESS ORGANIZATION

Legal Business Name (Prime Bidder): Kiewit Infrastructure South Co.	Florida Contractor Licensee's Name: Jeffrey Paul Brown				
If applicable, different business name under which the bidder is operating for this response: N/A	License Number: CGC1511417				
	License Type: General Contractor				
	State or Country: Florida				
Mailing Address: 5405 Cypress Center Drive, Suite 210 Tampa, FL 33609	License Limitations, if any (Attach a separate sheet, if necessary): None				
Remittance Address: Same as above	Type of Organization – check below				
Telephone No.: 813.337.5210	Corporation	Partnership	Joint Venture	Sole Proprietorship	Not for Profit
Fax No.: 770.487.0005	<input checked="" type="checkbox"/>				
Email Address: Cody.Jensen@kiewit.com	Agree to Extend Prices to Other Governmental Agencies? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
FEID No.: 47-0530367					
Key Contact Name(s)/Telephone No.(s):	Name(s):			Telephone No.(s):	
	Cody Jensen			813-337-5210	

B. STATEMENTS OF MATERIAL REPRESENTATION

The Bidder, by signing on page five (5) of this Bid Form, hereby certifies to the South Florida Water Management District (District) that neither the Bidder, nor its agents, principals and proposed subconsultants or subcontractors:

1. Is temporarily or permanently on the District's Suspension List
2. Is temporarily or permanently debarred from participating in public contract lettings in Florida or any other state.
3. Is now or in the past 36 months been on the State of Florida's Convicted Vendor List/Discriminatory Vendor List.
4. Has lobbied, either individually or collectively, the District's Governing Board members, District evaluation committee members, or other District employees for any purpose in connection with this solicitation which may influence the outcome of the selection process.
5. Has employed or retained any person or company to solicit or obtain a contract resulting from this solicitation and has not paid or agreed to pay any person or company employed or retained to solicit or obtain a contract resulting from this solicitation any commission, percentage, brokerage or other fee contingent upon or resulting from contract award.

C. ADDITIONAL REPRESENTATIONS

1. Pursuant to and in compliance with the DISTRICT'S notice inviting sealed Bids (Request for Bids), Contract Documents and the other documents relating thereto, the undersigned Bidder, having familiarized itself with the terms of the Contract Documents, as defined in the General Terms & Conditions, site and local conditions affecting the performance of the CONTRACT, and the cost of the work at the place where the work is to be done, hereby bids and agrees to perform within the Contract Times, including all of its component parts and everything required to be performed, and to provide and furnish any and all of the labor, material, and tools, expendable equipment, and all utility and transportation services necessary to perform the contract and complete in a workmanlike manner, all of the work required in connection with the construction of said work all in strict conformity with the plans and specifications and other Contract Documents, including all Addenda. Respondent acknowledges that it is responsible for receipt of any and all addenda from the District's website (www.sfwmd.gov, Procurement and Contracts, Current and Pending Solicitations).
2. The undersigned Bidder agrees that the Work shall be completed according to the schedule set forth in the Contract Documents. The undersigned Bidder further agrees to pay liquidated damages as described herein and as provided in the Contract Documents, which shall be in addition to such other amounts for actual delay damages.
3. The undersigned as Bidder, declares that the only persons or parties interested in this Bid as principals are those named herein; and the Bidder bids and agrees, if the Bid is accepted, that the Bidder will execute a contract with the DISTRICT in the form set forth in the Contract Documents; that the Bidder will furnish the Contract Security, Insurance Certificates, Endorsements, and Policies, and that the Bidder will comply with all Small Business Enterprise requirements.
4. Pursuant to and in compliance with the DISTRICT's Invitation to Bid, the Contract Documents, Supplemental Conditions, and other documents relating thereto, the undersigned hereby agrees to furnish all labor, materials, and equipment to do the work in strict accordance with the Contract Documents and all addenda, if any, issued prior to the date of this Bid at the price herein as follows. Discrepancies between the indicated sum of any column of figures and the correct sum thereof shall be resolved in favor of the LOWEST sum. Discrepancies in the extension of the unit price times the estimated quantity for any line item shall be resolved in favor of the correct extension.

SCHEDULE OF BID PRICES

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
A.	TOTAL PROJECT	JOB	1	LUMP SUM	\$ 3,170,600.00

5. The DISTRICT and Bidder recognize that time is of the essence of this Contract and Bidder recognizes that the DISTRICT will suffer financial loss if the Work is not completed within the Contract Times, plus any extensions thereof allowed in accordance with Article 12 of the General Terms & Conditions. The DISTRICT and Bidder also recognize the delay, expense and difficulties involved in proving actual delay damages (excluding engineering fees and inspection costs) suffered by the DISTRICT in a legal or arbitration proceeding if the work is not completed on time. Accordingly, Bidder agrees to pay DISTRICT as liquidated damages **\$1,000.00** per day for each day CONTRACTOR exceeds the time specified for Substantial Completion as indicated on the front cover of this solicitation. After Substantial Completion, the Bidder agrees to pay DISTRICT as liquidated damages **\$500.00** per day for each day CONTRACTOR exceeds the time specified for Final Completion as indicated on the front cover of this solicitation.
6. ACCOMPANYING THIS BID IS a **Bid Bond**
 (insert the word(s): "Bid Bond," "certified check," or other security as provided by law, as the case may be)
 in an amount equal to at least **5%** of the total Base Bid, payable to the SOUTH FLORIDA WATER MANAGEMENT DISTRICT. The DISTRICT may deposit all Bid securities upon receipt. The undersigned agrees that, in case of failure on

Bidder's part to deliver the Insurance and the Bonds within seven (7) business days after receipt of the Notice of Apparent Low Bidder, or failure to execute and deliver the said Contract within seven (7) business days after receipt, any Bid Bond, or securities accompanying the Bid, shall be paid into the funds of South Florida Water Management District, otherwise, any securities accompanying this Bid shall be returned to the undersigned. Bid bonds will be returned only upon request.

7. The undersigned provides above-named Bid Security as a Bid guaranty and agrees that it shall be forfeited to the DISTRICT in case this Bid is accepted by the DISTRICT and the undersigned fails to execute a contract with the DISTRICT as specified in the contract documents, accompanied by the required statutory payment and common law performance bonds with sureties satisfactory to the DISTRICT, and accompanied by the required certificates of insurance coverage, and endorsements. Should the DISTRICT be required to engage the services of an attorney in connection with the enforcement of this Bid, Bidder promises to pay DISTRICT's reasonable attorney's fees and costs (including attorney's fees and costs on appeals) incurred with or without suit.
8. In addition to the Bid Security, also accompanying this Bid, are all items listed on the Bid Form Checklist and all other documents as may be required.
9. Bidder agrees to maintain pricing and furnish any or all items upon which prices are offered for a minimum period of one hundred twenty (120) calendar days from the date specified in the solicitation for receipt of bids.
10. The undersigned as Bidder agrees that substitutions or "or-equal" items will not be considered until after the Effective Date of the CONTRACT and will be evaluated in accordance with Article 6.05 of the General Terms & Conditions.

D. BIDDER'S QUESTIONNAIRE

1. Organization

- 1.1 Title and name of Principals (President, Vice-President, Secretary and Treasurer, if a corporation; partners, if a partnership): Scott L. Cassels- President, Benjamin J. Carnazzo - Sr. Vice President, Thomas J. Boyle - Assistant Secretary
Stephen S. Thomas - Treasurer
- 1.2 If respondent is a corporation, provide certification from the Florida Secretary of State verifying respondent's corporate status and good standing, and in the case of out-of-state corporations, evidence of authority to do business in the State of Florida. In the case of a sole proprietorship, provide Social Security numbers for ALL owners or partners. In the case of a "dba", provide a copy of the fictitious name affidavit filed with the Clerk of the Court.
- 1.3 If your organization has ever been convicted of a felony, or has felony charges pending, in any state within the last three years from the date of Bid opening, disclose with this Questionnaire all material facts pertaining to any such felony conviction or any such pending felony charges against (a) your organization, (b) any business entity related to or affiliated with your organization, or (c) any present or former executive employee, officer, director, shareholder (owning twenty percent (20%) or more of the outstanding shares), partner, or owner of your organization or of any such related or affiliated entity. Attachment N/A, consisting of N/A pages.

2. Licensing

- 2.1 If your organization holds valid contractors' licenses covering all classifications and sub-classifications of work which your organization intends to self-perform, attach a list of all such licenses together with a copy of each license. Attachment 2, consisting of 4 pages.

3. References

- 3.1 Bidder shall provide verifiable references as described in Article 10 of the Instructions to Bidders. The references provided **must be verifiable and acceptable by the District** at the District's sole discretion.

3.2 For references, Bidder shall provide the client name, client phone number, and client e-mail address. Bidder shall describe the projects in sufficient detail as they directly relate to the work of this RFB.

3.3 The District shall have, at its sole discretion, the ability to determine the suitability and relevancy of the provided references and may reject any and all bids based on the references provided.

Attachment 3 , consisting of 2 pages.

4. Additional Information

Does your organization rent or lease equipment or facilities from other affiliate organizations? If so, state the name of the affiliate organization(s): No

4.1 Upon request, the undersigned Bidder hereby agrees to provide an estimate of the number of jobs that will be created as a result of the work to be performed in accordance with the Contract Documents within seven (7) working days following receipt of the Notice of Apparent Low Bidder.

5. Financial Statement

Upon request, the Apparent Low Bidder, within seven (7) business days upon receipt of Notice of Apparent Low Bidder, shall provide a current financial statement, certified by a Certified Public Accountant, for Bids over \$1,000,000. For Bids under \$1,000,000, the information shall be sworn and attested to by the owner, partner or corporate offices. The financial statements shall be provided in a separate sealed envelope, marked with the Bidder's Name, Contract Number and Title, and the words "FINANCIAL INFORMATION, CONFIDENTIAL".

E. NON COLLUSION CERTIFICATION

The respondent hereby represents and certifies that all statements of fact in the bid/proposal are true and that its bid/proposal was not made in the interest of or on behalf of any undisclosed person, partnership, company association, organization nor corporation. Respondent further certifies that the bid/proposal has been prepared independently without collusion, consultation, communication or written agreement with any undisclosed person, partnership, company, association, organization or corporation and has not colluded, conspired, connived or agreed, directly or indirectly, to commit a fraudulent, deceitful, unlawful or wrongful act, or any act which may result in an unfair competitive advantage for one or more bidders/proposers over other bidders/proposers. Respondent certifies that no more than one (1) bid as Prime Contractor for the work to be performed as described in the Contract Documents will be submitted from the respondent under the same or a different name and that respondent has no financial interest in another respondent for the same Project. The District will prosecute any violation of this representation to the fullest extent of the law. Conviction for the commission of any fraud or act of collusion in connection with any sale, bid quotation, proposal or other act incidental to doing business with the South Florida Water Management District may result in suspension or permanent debarment if the respondent is placed on the State's Convicted Vendor List. In addition to any other rights or remedies it may have, the District reserves the right to terminate any existing contracts that a respondent has with the District based on the commission of any of the above wrongful acts. These rights may be exercised at any time whenever the commission of any of the above wrongful acts comes to the District's attention even if this occurs after award of a contract to the respondent.

Bidder acknowledges and understands that all five (5) pages of this Bid Form must be complete, attached to the bid and timely filed and signed by a representative with authority to bind the firm or the respondent will be deemed non-responsive to the requirements of this solicitation.

NOTE: If a Bidder is a corporation, the legal name of the corporation shall be set forth below, together with signature(s) of the officer or officers authorized to sign contracts on behalf of the corporation; if bidder is a partnership, the true name of the firm shall be set forth below with the signature(s) of the partner or partners

authorized to sign contracts in behalf of the partnership; and if the bidder is an individual, Bidder's signature shall be placed below; if a partnership, the names of the general partners.

NAME AND TITLE OF INDIVIDUAL AUTHORIZED TO BIND THE PRIME BIDDER:

Benjamin J. Carnazzo
Name
Sr. Vice President
Title
Benjamin J. Carnazzo
Signature
9/20/21
Date

Attest (Required for CORPORATION)

I, Thomas J. Boyle, CERTIFY THAT I AM THE SECRETARY/ ASSISTANT SECRETARY OF THE CORPORATION, NAMED AS PRINCIPAL IN THE WITHIN BID; THAT THE CORPORATE OFFICIAL WHO SIGNED THE SAID BID ON BEHALF OF THE PRINCIPAL, WAS THEN A CORPORATE OFFICIAL OF SAID CORPORATION; THAT I KNOW THEIR SIGNATURE IS GENUINE; AND THAT SAID BID WAS DULY SIGNED AND ATTESTED FOR AND IN BEHALF OF SAID CORPORATION BY AUTHORITY OF ITS GOVERNING BODY.

Thomas J. Boyle
Secretary / Assistant Secretary

Witness: N/A
(Required for PARTNERSHIP OR INDIVIDUAL)

Witness: N/A
(Required for PARTNERSHIP OR INDIVIDUAL)

BID BOND

(ITEM 3A)

KNOW ALL MEN BY THESE PRESENTS, that we, Kiewit Infrastructure South Co. as Principal and Travelers Casualty and Surety Company of America, as Surety, are held and firmly bound unto South Florida Water Management District, in the penal sum of Five percent of bid --- dollars (\$ 5% of bid ---) lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THE OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying bid, dated SEPTEMBER 20, 2021, for the Contract Documents:

Contract Number: RFB 6000001178
 Contract Title: S-290 and S-285 SCADA Retrofit and Automation, Glades County, FL

NOW, THEREFORE, if the Principal:

1. Does not withdraw said Bid within one hundred twenty (120) calendar days after date of opening of the same, and
2. Within seven (7) business days after the date of the Notice of Apparent Low Bidder:
 - a. Provides a Statutory Payment Bond and a Common Law Performance Bond as specified in the General Terms & Conditions (if the Bid Amount exceeds \$200,000.00) or, in lieu of the Statutory Payment Bond or Common Law Performance Bond, provide an alternate form of security as specified in the General Terms & Conditions; and
 - b. Provides the District's insurance certificate, completed by a lawfully authorized insurance agent; and
3. Within seven (7) business days of receipt of the contract, enters into a written contract with South Florida Water Management District, in accordance with the Bid, as accepted,

then the above obligations of the Principal and Surety shall be null and void. However, should the Principal fail to fully comply with the conditions of the numbered paragraphs 1 or 2 above, then the Principal and Surety, jointly and severally, shall be liable to the District for the full penal sum of this Bond which shall be forfeited to the District as liquidated damage, but not a penalty, as a result of the Principal's failure to comply with the bid instructions and conditions, regardless of whether the District ultimately decides to change the project requirements or resolicit bids.

The remedies provided herein are not to be construed as the District's exclusive remedies for the Principal's failure to enter into a contract with the District, but shall be deemed supplemental to all remedies available to the District at law or otherwise.

DATED ON September 9, 2021.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

N/A
 (Witness)

By: N/A
 (Individual Principal)

N/A
 (Witness)

N/A
 Business Address

WHEN THE PRINCIPAL OPERATES UNDER A TRADE NAME:

Signed and delivered in the presence:

N/A
(Witness)

N/A
(Business Name and Address)

N/A
(Witness)

By: N/A
Signature of Individual

WHEN A PARTNERSHIP:

Signed and delivered in the presence:

N/A
(Witness)

N/A
(Name of Partnership)

N/A
(Witness)

By: N/A
Signature of Individual

WHEN THE PRINCIPAL IS A CORPORATION:

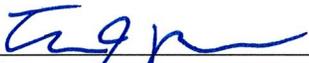
ATTEST:

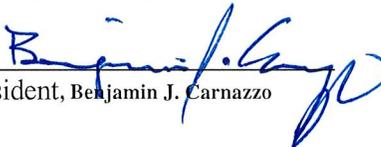
Kiewit Infrastructure South Co.

(Corporate Principal)

1580 Sawgrass Corp. Parkway, Suite 300
Sunrise, FL 33323

Business Address


Asst. (Secretary) Thomas J. Boyle

By: 
Sr. Vice. President, Benjamin J. Carnazzo

SURETY:

ATTEST:

(Corporate Seal)

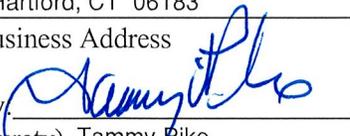
Travelers Casualty and
Surety Company of America

(Corporate Surety)

One Tower Square
Hartford, CT 06183

Business Address


(Secretary) Kathy Wendorf
Resident Assistant Secretary

By: 
(Surety) Tammy Pike
Non-Resident Agent & Attorney-in-Fact

C T Corporation System
1200 South Pine Island Road, Plantation, FL, 33324

Florida Address for Service of Process

(312) 283-1715

Telephone Number

(Surety shall provide evidence of signature authority, i.e., a certified copy of Power of Attorney.)



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

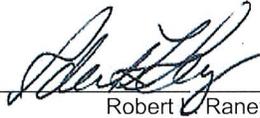
KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Philip G. Dehn, Tammy Pike, Paul A. Foss, Marie Huggins, Traci Sutton, and Deanne Jones of Omaha, Nebraska**, their true and lawful Attorney (s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in the, r business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April**, 2021.



State of Connecticut

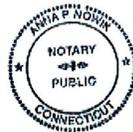
City of Hartford ss.

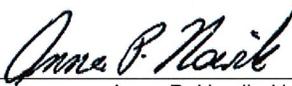
By: 
Robert L. Raney, Senior Vice President

On this the **21st** day of **April**, 2021, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, 2026




Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 9th day of September, 2021




Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

Statement of Intent to Perform as a Small Business Enterprise Subcontractor

Solicitation No. or Contract No. 6000001178

A signed "Statement of Intent to Perform as a SBE Subcontractor" must be completed by the owner or authorized principal of each SBE firm listed in the "SBE Subcontractor Participation Schedule" Form No. 0956.

Valor Construction Management, LLC agrees to perform work on the above contract as (check one):

(Legal Business Name of SBE Subcontractor as it appears on the Florida Division of Corporations Website, inclusive of dba)

a partnership; a corporation; an individual; a joint venture

SBE Subcontractor FEIN: 26-3940881

SBE Subcontractor Certification Expiration Date: 03/16/2024

SBE Subcontractor

The SBE Subcontractor will enter into a formal agreement, conditioned upon the Bidder/Proposer executing a contract with the District for the work with Kiewit Infrastructure South Co.
(Name of Bidder/Proposer)

Item No.	Type of Work	Agreed Price (For CCNA, Agreed Percentage)	% of Work
1	Electrical and SCADA Systems	\$ 758,134.00	23.91 %
2		\$	%
3		\$	%
Total Value of Work		\$ <u>758,134.00</u>	<u>23.91</u> %

William Ulrich
Digitally signed by William Ulrich
DN: CN=William Ulrich
Reason: I am approving this document
Date: 2021.09.14 10:19:14-04'00'

Electrical Division Manager

9/14/21

SBE Subcontractor Signature

Title

Date

*Please include a copy of the District's SBE Certification Letter for the SBE Subcontractor.

Incorporated by reference in subsections
40E-7.670(2)(a), F.A.C.

Form 0957 (08/29/2013)





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

February 4, 2021

REGISTERED VENDOR NO.: 117155

Mr. Brian Leavy, President
Valor Construction Management, LLC
137 E. Main Street
Pahokee, FL 33476

**CERTIFICATION EFFECTIVE DATE:
March 16, 2021**

**CERTIFICATION EXPIRATION DATE:
March 16, 2024**

Dear Mr. Leavy:

Congratulations, the South Florida Water Management District (District) has recertified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may **only** be applied when business is conducted in the following area(s):

General Contracting Services

Your submittal of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times.

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

We look forward to a mutually beneficial working relationship.

Sincerely,

A handwritten signature in cursive script, appearing to read "Joni Lynn Fox".

Joni Lynn Fox
Sr. Contract Compliance Specialist
Procurement Bureau

JLF

Statement of Intent to Perform as a Small Business Enterprise Subcontractor

Solicitation No. or Contract No. 6000001178

A signed "Statement of Intent to Perform as a SBE Subcontractor" must be completed by the owner or authorized principal of each SBE firm listed in the "SBE Subcontractor Participation Schedule" Form No. 0956.

D&J Machinery, Inc. agrees to perform work on the above contract as (check one):
 (Legal Business Name of SBE Subcontractor as it appears on the Florida Division of Corporations Website, inclusive of dba)

a partnership; a corporation; an individual; a joint venture

SBE Subcontractor FEIN: 59-2474235

SBE Subcontractor Certification Expiration Date: 09/03/2024

SBE Subcontractor

The SBE Subcontractor will enter into a formal agreement, conditioned upon the Bidder/Proposer executing a contract with the District for the work with Kiewit Infrastructure South Co.
 (Name of Bidder/Proposer)

Item No.	Type of Work	Agreed Price (For CCNA, Agreed Percentage)	% of Work
1	Furnish & Install Generator Exhaust Piping	\$ 45,600.00	1.42 %
2		\$	%
3		\$	%
Total Value of Work		\$ 45,600.00	1.42 %


JAMES SWINDLE
 SBE Subcontractor Signature

PRESIDENT
 Title

9-17-21
 Date

*Please include a copy of the District's SBE Certification Letter for the SBE Subcontractor.

Incorporated by reference in subsections
 40E-7.670(2)(a), F.A.C.

Form 0957 (08/29/2013)





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

September 3, 2021

REGISTERED VENDOR NO.: 101024

Mr. James Swindle, President
D & J Machinery, Inc.
728 E. Trinidad Ave
Clewiston, FL 33440

CERTIFICATION EFFECTIVE DATE:
September 3, 2021

CERTIFICATION EXPIRATION DATE:
September 3, 2024

Dear Mr. Swindle:

Congratulations, the South Florida Water Management District (District) has recertified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may **only** be applied when business is conducted in the following area(s):

Machine Work, Parts and Repair Services

Your submittal of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times.

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

We look forward to a mutually beneficial working relationship.

Sincerely,

A handwritten signature in cursive script, appearing to read "Joni Lynn Fox".

Joni Lynn Fox
Sr. Contract Compliance Specialist
Procurement Bureau

JLF

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

SMALL BUSINESS ENTERPRISE SUBCONTRACTOR PARTICIPATION SCHEDULE

Contract/ Solicitation No.	6000001178	Date Submitted	9/20/21
Project Name & Location	S-290 and S-285 SCADA Retrofit and Automation, Glades County, FL	Project Start Date	TBD
Bidder/Proposer	Kiewit Infrastructure South Co.		
Address	5405 Cypress Center Drive, Suite 210, Tampa, FL 33690		
Contact Person	Cody Jensen	Email Address	Cody.Jensen@kiewit.com Telephone No. 813.337.5210

ORGANIZATION STATUS

Business Association	Business Name	Business Address	Business Phone #	Work to be Performed			
				Describe Type of Work to be Performed	% of Work	Dollar Amount	
Prime Bidder/Proposer	KIEWIT INFRASTRUCTURE SOUTH CO.	5405 CYPRESS CENTER DR SUITE 210 TAMPA FL 33609	813-337-5210	PRIME CONTRACTOR	74.67%	\$2,366,866.00	
Non SBE Subcontractor							
SBE Subcontractor							
SBE Subcontractor	VALOR CONSTRUCTION MANAGEMENT, LLC	137 E. MAIN ST PALM BEACH FL 33476	561-984-2559	ELECTRICAL & CONTROLS	23.91%	\$758,134.00	
SBE Subcontractor							
SBE Subcontractor	D&J MACHINERY, INC	728 E TAMMILA AVE CLEWISTON, FL 33440	863-228-0442	MACHINE WORK	1.42%	\$45,600.00	
						100%	\$3,170,600.00
							\$0.00
							\$3,170,600.00
							\$0.00

The listing of a Small Business Enterprise (SBE) shall constitute a representation by the bidder/proposer to the District that the bidder/proposer believes such SBE to be technically and financially qualified and available to perform the work described. Bidders/Proposers are advised that the information contained herein may be verified.


Bidder/Proposer Signature

Sr. Vice President

Title

9/20/21
Date

TRENCH SAFETY ACT

SECTION 553.60, FLORIDA STATUTE

NOTICE TO BIDDERS:

In order to comply with the Trench Safety Act, the Contractor is required to either specify the costs of compliance or certify that the project scope and / or his construction means and methods will not require trenching as defined by OSHA.

➤ **Bidders must fill out EITHER PART A or PART B of this form, BUT NOT BOTH, sign the form where indicated, and then submit the form with the bid.**

PART A: Specify Costs of Compliance with the Trench Safety Act

These costs **are not a separate pay item.** The Contractor must also reference the Trench Safety Standards which will be in effect during construction, and assure in writing that the Contractor will comply with the applicable Trench Safety Standards.

<u>TRENCH SAFETY MEASURE</u>	<u>UNITS OF MEASURE</u>	<u>QUANTITY</u>	<u>UNIT COST</u>	<u>COST</u>
OSHA COMPLIANT BENCHING / SLOPING	LF	471	\$ 5 ⁰⁰	\$ 2,355 ⁰⁰
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

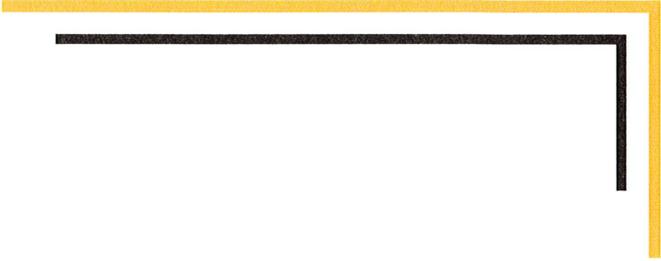
PART B: Certification that the Trench Safety Act does not apply.

By placing a check mark in the box to the left I certify that this project either does not include trenching, or that my intended construction means and methods will not require trenching, as defined by OSHA.

From 29 CFR 1926.650 Subpart P, the definition of “Trenching” or “Trench excavation” means a narrow excavation (in relation to its length) made below the surface of the ground. In general, the depth is greater than the width, but the width of a trench (measured at the bottom) is not greater than 15 feet (4.6 m). If forms or other structures are installed or constructed in an excavation so as to reduce the dimension measured from the forms or structure to the side of the excavation to 15 feet (4.6 m) or less (measured at the bottom of the excavation), the excavation is also considered to be a trench.



 Signature



Attachment 1
Florida Status of Good Standing

State of Florida

Department of State

I certify from the records of this office that KIEWIT INFRASTRUCTURE SOUTH CO. is a Delaware corporation authorized to transact business in the State of Florida, qualified on November 10, 1976.

The document number of this corporation is 837350.

I further certify that said corporation has paid all fees due this office through December 31, 2021, that its most recent annual report/uniform business report was filed on April 10, 2021, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-seventh day of April,
2021*



Randy Be
Secretary of State

Tracking Number: 3845443413CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



**Attachment 2
Contractor Licenses**



Kiewit





Ron DeSantis, Governor

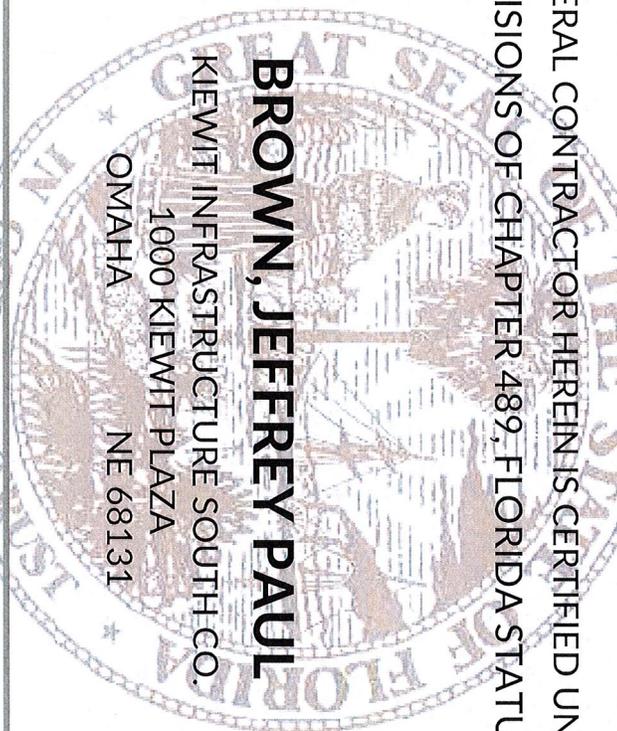
Halsey Beshears, Secretary



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES



BROWN, JEFFREY PAUL

KIEWIT INFRASTRUCTURE SOUTH CO.
1000 KIEWIT PLAZA
OMAHA NE 68131

LICENSE NUMBER: CGC1511417

EXPIRATION DATE: AUGUST 31, 2022

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.



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Ron DeSantis, Governor

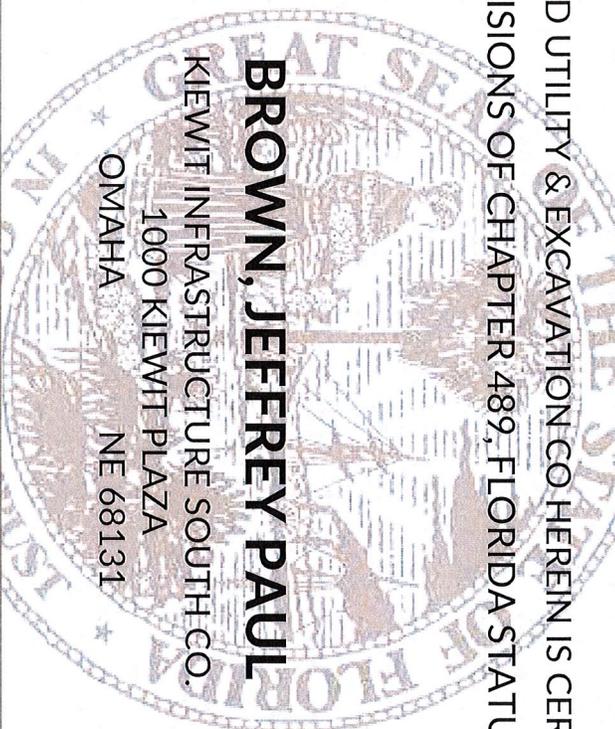
Halsey Beshars, Secretary



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

CONSTRUCTION INDUSTRY LICENSING BOARD

THE UNDERGROUND UTILITY & EXCAVATION CO. HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES



BROWN, JEFFREY PAUL

KIEWIT INFRASTRUCTURE SOUTH CO.
1000 KIEWIT PLAZA
OMAHA NE 68131

LICENSE NUMBER: CUCC1224233

EXPIRATION DATE: AUGUST 31, 2022

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Ron DeSantis, Governor

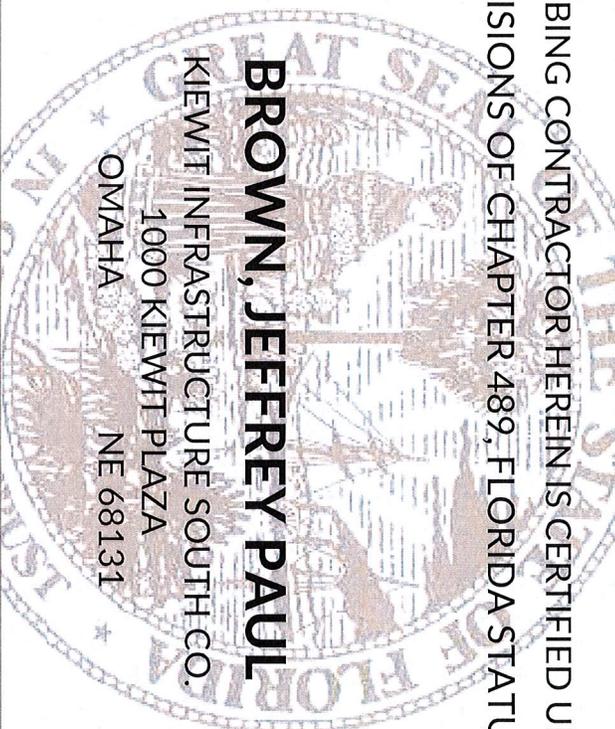
Halsey Beshars, Secretary



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE PLUMBING CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES



BROWN, JEFFREY PAUL

KIEWIT INFRASTRUCTURE SOUTH CO.
1000 KIEWIT PLAZA
OMAHA NE 68131

LICENSE NUMBER: CFC1427088

EXPIRATION DATE: AUGUST 31, 2022

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Ron DeSantis, Governor

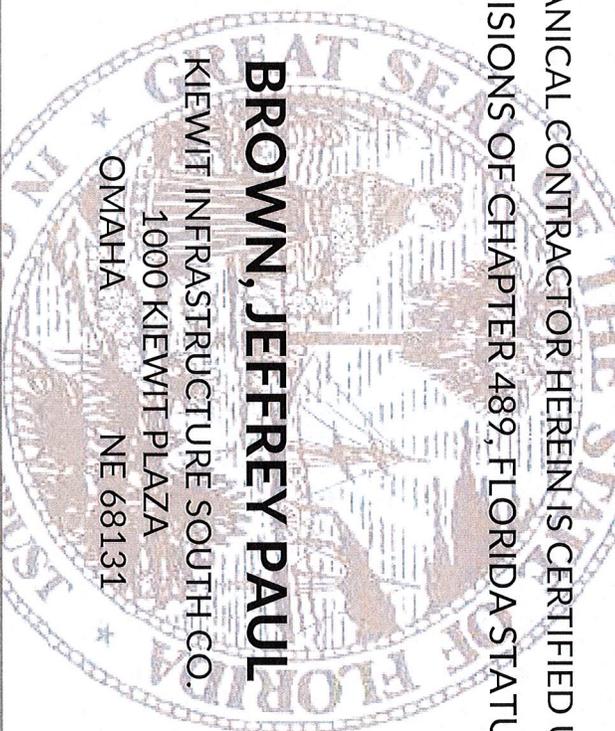
Halsey Beshears, Secretary



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE MECHANICAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES



BROWN, JEFFREY PAUL

KIEWIT INFRASTRUCTURE SOUTH CO.

1000 KIEWIT PLAZA

OMAHA

NE 68131

LICENSE NUMBER: CMC1249632

EXPIRATION DATE: AUGUST 31, 2022

Always verify licenses online at MyFloridaLicense.com

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Attachment 3 References





HERBERT HOOVER S-288 MOORE HAVEN, FLORIDA

The S-288 project is a United States Army Corps of Engineers project in Okeechobee, Florida, located adjacent to the Kissimmee River. This project is part of the Herbert Hoover Restoration Project which consists of demolition and removal of the existing structures, construction of new water control structures and restoring the embankments to their original grades.

This is the second of three projects USACE has awarded Kiewit through a best value selection process for this program. The S-288 project included the removal and replacement of one 5' by 5' CIP box culvert with an approximate barrel length of 100' with headwalls and wing walls. A combination ap/slide gate was installed at the lakeside headwall. This required the installation of the sheet pile and earthen temporary cofferdams, 40,000 CY of excavation, multiple wellpoint dewatering systems, the construction of the CIP structure, an elaborate zoned back and impervious section, electrical and mechanical systems, and final surface treatments. Riprap will be installed along the lakeside embankment, and a control building will be installed on the work platform. The control building was a precast building, and the work included precast building installation, building foundations as well as electrical and instrumentation / controls. Work also includes operation of the by-pass pump system, grassing and turbidity monitoring. After completion of S-288 construction, the steel sheet pile and earthen cofferdams will be removed. This project also requires nearly 40,000 CY of embankment. The embankment must pass strict gradation requirements with a sampling frequency every 2,500 CY and with every change of source. The embankment must also pass strict compaction requirements with densities measured every 60 CY.

START DATE

September 10, 2018

COMPLETION DATE

June 30, 2021

CLIENT

United States Army Corps of
Engineers Jacksonville District

OWNERS CONTACT

701 San Marco Boulevard
PO Box 4970
Jacksonville, FL 32207
Miguel Cedeno-Morales
561-323-6950

[Miguel.a.cedeno-
morales@usace.army.mil](mailto:Miguel.a.cedeno-morales@usace.army.mil)

ENGINEER CONTACT

United States Army Corps of
Engineers Jacksonville District
701 San Marco Boulevard
PO Box 4970
Jacksonville, FL 32207-8175

PROJECT VALUE

\$18.1 Million



HERBERT HOOVER S-267 CULVERT REPLACEMENT OKEECHOBEE, FLORIDA

Kiewit Infrastructure South Co.'s S-267 culvert project consisted of landside and lakeside headwalls and wing walls connected by a pipe culvert 136 ft. long, totaling roughly 3,000 CY of structural concrete. The pipe culvert, consisting of a 10-foot diameter spiral weld steel pipe cast into a 16' X 16' section of concrete, was cast-in-place in 18 separate pours. Nearly 30,000 pounds of stainless steel embeds were cast into the headwalls. This project also included precast building installation building foundations, electrical, instrumentation and controls.

Backfilling the new structure involved importing various backfill materials for the different zones of backfill. The majority of the backfill was completed by importing 60,000 CY of embankment material and placing 1-foot lifts to 95% compaction. Completely enveloping the culvert was a bentonite core, which Kiewit constructed by mobilizing a pug mill and batching material onsite. While several other backfill zones required filter sand to be imported, placed, and compacted to 90% of maximum dry density.

This project provided a reconstruction of the S-267 culvert and improved the adjacent embankment. Similar operations to the C-44 project include wet and dry excavation, placement of geotextiles in the wet and dry, and rip rap placement in the wet and dry. This occurred both in the phase to complete the temporary earthen cofferdam, and at the conclusion of the project to provide armoring to the new structure.

All construction was within or immediately adjacent to the Kissimmee River feeding Lake Okeechobee, which can experience major seasonal swings greater than 1.0'. This project required dewatering an area of approximately 4 acres to approximately 16' below the existing water level.

START DATE

October 1, 2015

COMPLETION DATE

June 19, 2019

CLIENT

United States Army Corps of Engineers

OWNERS CONTACT

Herbert Hoover Dike
Resident Office
12783 W. Forrest Hill Blvd
Suite 9E
Wellington, FL 33414
Jose Rosa
561.371.5873
jose.rosa@usace.army.mil

ENGINEER CONTACT

USACE In House Engineers
701 San Marco Boulevard,
PO Box 4970
Jacksonville, FL 32207
Jose Rosa
561.371.5873

PROJECT VALUE

\$16.1 Million



**Attachment 4
Officer's Certificate**

**OFFICER'S CERTIFICATE
OF
KIEWIT INFRASTRUCTURE SOUTH CO.**

I, the undersigned, hereby certify that I am the Assistant Secretary of Kiewit Infrastructure South Co., a Delaware corporation (the "Corporation"), local address located at 5405 Cypress Center Drive Suite 210 Tampa, FL 33609 and our Home Office as 1550 Mike Fahey Street, Omaha, NE 68102 and further certify on behalf of the Corporation that:

1. Benjamin J. Carnazzo is a duly appointed and acting Senior Vice President of the Corporation.
2. Benjamin J. Carnazzo is authorized to execute the bid on behalf of the Corporation to South Florida Water Management District, **S-290 and S-285 Scada Retrofit and Automation, Contract No. 6000001178** (the "Project"), and upon award of the Project, to execute and deliver the Project Contract, and related documents.

SIGNED AND SEALED on behalf of the Corporation on September 10, 2021

KIEWIT INFRASTRUCTURE SOUTH CO.

By: 
Name: Thomas J. Boyle
Title: Assistant Secretary



**Attachment 5
Addendum**



SOUTH FLORIDA WATER MANAGEMENT DISTRICT SOLICITATION ADDENDUM

South Florida Water Management District
Attn: Procurement Bureau
B-1 Building, 2nd Floor West
3301 Gun Club Road
West Palm Beach, FL 33406

SOLICITATION NUMBER: 6000001178

ADDENDUM NUMBER: 1

DATE: September 2, 2021

PROJECT TITLE: S-290 and S-285 SCADA RETROFIT AND AUTOMATION, GLADES COUNTY, FL

This **ADDENDUM NO. 1** is issued for the purpose of providing the information below:

1. **DEADLINE FOR BID SUBMISSION:** **DEADLINE FOR BID SUBMISSION HAS BEEN CHANGED TO SEPTEMBER 20, 2021 @ 2:30 P.M.**
2. **GENERAL TERMS AND CONDITIONS:** **ADD** the following sentences to General Terms and Conditions, Article 2 – Preliminary Matters 2.04 Contractor shall coordinate directly with the District Construction Manager on all engagements with the media, stakeholders, elected officials, and the public regarding the Work Contractor is doing for the District. At no time should Contractors or subcontractors invite guests to District Site without written authorization by the District.
3. **TECHNICAL SPECIFICATIONS:** Technical Specification Section 10523 has been **ADDED** as part of Addendum No. 1.
4. **TECHNICAL SPECIFICATIONS:** The following Technical Specifications are hereby **DELETED** and **REPLACED** with revised Specifications dated 9/2/2021 attached as part Addendum No. 1.
 1. TECHNICAL SPECIFICATION SECTION 01010 - SUMMARY OF WORK
 2. TECHNICAL SPECIFICATION SECTION 02782 – FLOATING TRASH BARRIER - TUFFBOOM
5. **DRAWINGS:** The following Drawings are hereby **DELETED** and **REPLACED** with revised Drawings dated 9/2/2021 attached as part of Addendum No. 1.
 1. DRAWING NO. C013, Sheet 16 of 87
 2. DRAWING NO. S002, Sheet 19 of 87
 3. DRAWING NO. S007, Sheet 24 of 87
 4. DRAWING NO. S009, Sheet 26 of 87
 5. DRAWING NO. M009, Sheet 40 of 87

6. **QUESTIONS AND ANSWERS:** Attachment 1 to this Addendum No. 1 contains the list of questions and answers.

Please direct any questions to the Procurement Representative specified below at (561) 682-2521 or bcantrel@sfwmd.gov

Bonnie Cantrell
Lead Contract Specialist/Construction
Procurement Bureau

ATTACHMENT 1
SOLICITATION 6000001178 – ADDENDUM NO. 1
QUESTIONS AND ANSWERS

1. **Question:** Sheet 16 of 87, Note 12, is assumed to read “. in accordance with 03050 Concrete Admixture Waterproofing.” Please confirm.
Answer: Note 12 on Sheet 16 of 87 **SHALL** be changed to, “ALL CONCRETE PILES THAT WILL BE UNDERWATER SHALL HAVE A CRYSTALLINE CAPILARY WATERPROOFING (CCW) ADMIXTURE IN ACCORDANCE WITH TECHNICAL SPECIFICATION SECTION 03050 CONCRETE ADMIXTURE WATERPROOFING.”
2. **Question:** Sheet 19 of 87, Note 2 D e. states “Provide Cast-In Junction boxes and Conduit for future Card Reader Access Control System.” Please provide size of junction box, and direction / size of conduit, like Note on Sheet 20 in Elevation D.
Answer: **DELETE** Note 2.D.e on Sheet 19 of 87.
3. **Question:** Sheet 40 of 87, Note 7. Are S-290 and S-285 structures considered to be designated as high security.
Answer: No, structures S-290 and S-285 are not considered as high security. Note 7 on Sheet 40 of 87 **SHALL** be changed to, “COAT ALL SURFACES WITH A GRAY COLOR, SOLVENT-BASED INORGANIC ZINC PRIMER, CARBOLINE CARBOZINC11 OR DISTRICT-APPROVED EQUAL, TO A DRY FILM THICKNESS OF 6.0 MILS. SURFACE PREPARATION SHALL BE PER SSPC-SP6 WITH A 1-3 MIL ANGULAR BLAST PROFILE.”
4. **Question:** Sheet 24 of 87, shows either 28’ or 30’ of minimum embedment for the stilling well piles. There are no existing grade elevations to determine total pile lengths. Please provide length of pile required, or existing grade elevations.
Answer: For bidding purposes, grade elevations for S-290 are provided on Sheet 6 of 87.
5. **Question:** Sheet 24 of 87, please correct “Top of Canal EL”, assume this to be “Bottom of Canal”.
Answer: “TOP OF CANAL” **SHALL** be replaced with, “BOTTOM OF CANAL” on Sheet 24 of 87.
6. **Question:** Sheet 26 of 87, shows either 28’ or 30’ of minimum embedment for the stilling well piles. There are no existing grade elevations to determine total pile lengths. Please provide length of pile required, or existing grade elevations.
Answer: For bidding purposes, grade elevations for S-285 are provided on Sheet 11 of 87.
7. **Question:** Sheet 26 of 87, please correct “Top of Canal EL”, assume this to be “Bottom of Canal”.
Answer: “TOP OF CANAL” **SHALL** be replaced with, “BOTTOM OF CANAL” on Sheet 26 of 87.
8. **Question:** Specification 02367 Page 12, Section H sets a maximum auger diameter to 13”. FDOT 455-5.1.1 allows for a 12 in square pile a 15” to 17” diameter auger. A 13” diameter

auger is a custom-made / unique sized auger and is not readily available through various rental houses. Please confirm it is acceptable to go up to a 17" diameter auger for this project.

Answer: The piles shall be predrilled with a 13 inch auger as specified in Technical Specification Section 02367, Section 3.01.H.3.

9. **Question:** Sheet 17 of 87, New Tuff Boom Floating Barrier H Piles will likely be vibrated in with a vibratory hammer. Therefore, a blow count from an impact hammer will not be used and cannot establish axial capacity based on a WEAP or PDA. Please confirm that Minimum Tip of EL -8 & EL -9 is acceptable for the H Piles, and no minimum capacity will be required.

Answer: The H-piles shall be driven with a hammer. PDA or WEAP capacity analysis shall be utilized for the Tuff Boom Floating Barriers.

10. **Question:** Specification 02367 Page 7 D. Fabrication requires 6000 psi in 28 Days, 4" + 1" Slump, and 4-6% Air. This seems to be tailored toward aggressive environments that experience freeze / thaw. This project is neither of these. Please confirm that a 6500 psi in 28 Days, 7" ± 1.5" Slump, and a 1-3% Air content is acceptable for the Concrete Piles.

Answer: The concrete for the piles shall conform with Section 2.01 of Technical Specification Section 02367 Foundation Piling (Prestressed Concrete).

11. **Question:** Stilling Well Platform Piles - Sheet 24 and 26 of 87 Note 2 states "Platform piles shall be driven at or below the tip (bottom of pile) Elevation indicated....." No tip elevation is provided. Please provide Tip Elevation of each of the Stilling well platform piles (7 EA).

Answer: For bidding purposes, grade elevations for S-290 and S-285 are provided on Sheet 6 and 11 of 87, respectively.

12. **Question:** Staff Gauges Piles - Sheet 16 of 87 Note 5 states "Staff Gauge Piles shall be driven at or below the tip (bottom of pile) Elevation indicated....." No tip elevation is provided. Please provide Tip Elevation of each of the Staff Gauge Piles (4 EA).

Answer: For bidding purposes, grade elevations for S-290 and S-285 are provided on Sheet 6 and 11 of 87, respectively.

13. **Question:** In order to provide actual Axial Capacity of 0.5 kip for staff gauge piles and 9.5 kip for stilling well platform piles, PDA tests must be performed. The alternative is to utilize an estimated capacity based on a WEAP analysis. Typically, a WEAP (Wave Equation Analysis of Pile Driving) is performed, and an estimated capacity based on field observed blow count is derived based on inputs. This estimated capacity from the WEAP analysis can be achieved in the field which will meet the 0.5 kip and 9.5 kip, or Practical Refusal. FDOT specifications 455-10.2 provide specific requirements for the Engineer to determine bearing capacity acceptance. Please provide direction on if a PDA or a WEAP will be utilized to determine bearing capacity for the staff gauge and stilling well platform piles.

Answer: PDA or WEAP capacity analysis shall be utilized for the staff gauges and the stilling well platform piles.

14. **Question:** Supplemental Conditions Page 00002-2 Article 13.08 Warranty lists Tech Spec 10523, and 15731 for a 5-year extended warranty period. These Technical specifications are not provided. Please confirm these extended warranties do not apply, or reference correct technical specifications.

Answer: Refer to Technical Specification Section 10523 dated 9/2/2021 and attached as part Addendum No. 1. The requirement for extended warranty for air conditioners shall be removed from the Supplemental Conditions.

15. **Question:** Sheet 17 of 87 Note 2 B States “..... Floating barrier system as manufactured by Worthington products (www.tuffboom.com).....” Worthington has reviewed the specifications and drawings, and provides the enclosed specification markup. Specifically:

a. 02782-3 C states that the Debris screen shall be stainless steel. Worthington does not recommend dissimilar metals, as the internal structural steel channel is hot dipped galvanized steel. This is required per 02782-3 A 6. Please confirm galvanized debris screen is acceptable.

b. Please confirm the deletion of B 4 & 5 in its entirety. Worthington has changed their connection details, and has provided these details previously to the District.

Answer: **DELETE** Technical Specification Section 02782 and **REPLACE** with revised Technical Specification Section 02782 revised 9/2/2021 attached as part Addendum No. 1.

16. **Question:** Sheet 15 of 87 – Vehicle Barrier Fixed Bollard requires 8’ of embedment for the bollard pipe. This is substantially larger than other District project details. Please confirm the District would like 8’ embedment vs. 3.5’ as typically seen for these Bollards.

Answer: The Vehicle Fixed Bollard shall conform with the Drawings and Technical Specifications.

17. **Question:** From the Site visit, it appears that there is existing Riprap (not Type B) at the new stilling well location for S-285. This is not shown on sheet 11/87. Please confirm that this material can be left in place, and additional Type B Riprap can be added on top after the Stilling Well piles are driven or if this material needs to be removed.

Answer: The Contractor shall assume that existing Riprap shall be locally removed and replaced with the proposed riprap, per the Drawings and Technical Specifications.

18. **Question:** Request for Bids, Instructions to Bidders Article 10, Section B 1 states “At least 2 of the projects submitted as references: a) Must have reached final completion and contain Pre-cast Building Installation including Electrical Instrumentation and Controls; and b) must have been completed by the bidder as the Prime Contractor or Subcontractor within the last 10 years from the date the bid is submitted; and c) must have been in the amount of \$500,000.00 each or greater; and d) must have been performed within the continental United States; and e) must be verified by the District” Please confirm that these references must be submitted with the bid.

Answer: Yes, references must be submitted with the bid.

19. **Question:** Sheet 6 of 87 and Sheet 11 of 87 adjacent to both existing stilling wells, it shows BOLLARD (TYP), please confirm that the existing stilling wells does not have bollards already installed, and there are an additional 4 ea bollards to be installed, 2 at each existing stilling well.

Answer: The existing stilling wells do not have bollards per confirmation email from USACE on 8-26-2021. There shall be two bollards installed at each stilling well as shown in the Drawings.



SOUTH FLORIDA WATER MANAGEMENT DISTRICT SOLICITATION ADDENDUM

South Florida Water Management District
Attn: Procurement Bureau
B-1 Building, 2nd Floor West
3301 Gun Club Road
West Palm Beach, FL 33406

SOLICITATION NUMBER: 6000001178

ADDENDUM NUMBER: 2

DATE: September 10, 2021

PROJECT TITLE: S-290 and S-285 SCADA RETROFIT AND AUTOMATION, GLADES COUNTY, FL

This **ADDENDUM NO. 2** is issued for the purpose of providing the information below:

1. **DEADLINE FOR BID SUBMISSION: DEADLINE FOR BID SUBMISSION REMAINS SEPTEMBER 20, 2021 @ 2:30 P.M.**

2. **DRAWINGS:** The following Drawings are hereby **DELETED** and **REPLACED** with revised Drawings dated 9/10/2021 attached as part of Addendum No. 2.

1. DRAWING NO. REF 001, Sheet 3 of 87
2. DRAWING NO. E001, Sheet 42 of 87
3. DRAWING NO. E014, Sheet 55 of 87
4. DRAWING NO. E015, Sheet 56 of 87
5. DRAWING NO. E016, Sheet 57 of 87
6. DRAWING NO. E018, Sheet 59 of 87
7. DRAWING NO. E019, Sheet 60 of 87
8. DRAWING NO. E024, Sheet 65 of 87

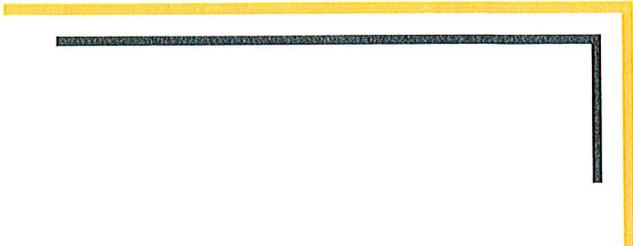
3. **QUESTIONS AND ANSWERS:**

1. **Question:** Regional concrete suppliers for precast pile have switched to FDOT approved mixes, and no longer produce precast concrete mixes that meet specification 02367. Specifically Cement type, Slump limits and Air content. Specification 02367 as written does not align with FDOT specifications, and current manufactured products. Please see the enclosed FDOT material bulletin, Cement Producer letter, Portland Cement Association PowerPoint, as well as proposed mix design and material certifications. Please reconsider allowing the enclosed mix design to be acceptable, as it has been utilized on previous District projects. Acceptance / acknowledgement of the enclosed pre-bid is appreciated.

Answer: The use of ASTM C595 Type IL(13) cement is acceptable. This response does not constitute acceptance of the prestressed concrete mix design.

Please direct any questions to the Procurement Representative specified below at (561) 682-2521 or bcantrel@sfwmd.gov

Bonnie Cantrell
Lead Contract Specialist/Construction
Procurement Bureau



**Attachment 6
Insurance Certificate**



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

9/8/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Midwest Agencies, Inc. 1550 Mike Fahey Street Omaha, NE 68102	CONTACT NAME:	Traci Sutton	
	PHONE (A/C, No, Ext):	402-271-2956	FAX (A/C, No): 402-271-2830
	E-MAIL ADDRESS:	Traci.Sutton@Midwestagenciesinc.com	
INSURER(S) AFFORDING COVERAGE		NAIC #	
	INSURER A : XL Insurance America, Inc. (25%)	24554	
INSURED Kiewit Infrastructure South Co. 5405 Cypress Center Dr., Ste. 210 Tampa FL 33609	INSURER B : ACE American Insurance Company (50%)	22667	
	INSURER C : National Union Fire Ins Co Pittsburgh PA (25%)	19445	
	INSURER D :		
	INSURER E :		
	INSURER F :		

COVERAGES

CERTIFICATE NUMBER: 63779709

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N <input type="checkbox"/> N/A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A B C	Equipment/Property			US00063521CA21A D37400397 008 0207 871 10	8/15/2021	8/15/2023	50,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Evidence of Coverage

CERTIFICATE HOLDER

CANCELLATION

South Florida Water Management District 3301 Gun Club Rd. West Palm Beach FL 33406	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Philip G. Dehn 
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Kiewit Responses to SFWMD Unit Cost Average Sheet & BAFO received 9/27/21

This project was let as a lumpsum bid and includes two sites that are located at separate locations. This adds to logistics for the project, and the broken-up nature of each scope of work versus being compared to historical unit prices. In addition, Kiewit just completed S-291 SCADA retrofit project. S-291 is almost an identical project to S-285 / S-290 SCADA retrofit project, except for a few added elements of work. Since bidding S-291 in Sept 2020 there has been an additional \$269k of subcontract cost / material escalation increases, please reference Kiewit's S-291 Comparison sheet provided 9/27/21.

Excavation & Embankment

Kiewit's cost includes mobilizing at multiple locations.

Riprap

Kiewit's cost includes mobilizing at multiple locations.

Floating Barrier

- a. Kiewit's cost includes multiple on-site mobilizations, site to site mobilizations, pile template installation and removal.
- b. Kiewit's cost just to procure the material from Sole Sourced Worthington (Tuff Boom) is \$39k.

Staff Gauges

Kiewit's cost includes multiple on-site mobilizations, site to site mobilizations, pile template installation and removal.

Stilling Wells

Kiewit's cost includes building crane access, multiple on-site mobilizations, pile template purchase, template installation, and removal at multiple locations. In addition, a WEAP analysis was done pre-bid, and an ICE I-12 diesel hammer was sized based on geotechnical conditions, as well as the potential need for an auger attachment for the pile leads due to the geotechnical boring data.

Precast Concrete Buildings

Kiewit's cost just to procure and deliver the buildings from our supplier is \$360k.

Kiewit's Best and Final Offer (BAFO)

Kiewit's Bid:	\$3,170,600
Kiewit Cost Reduction Offer:	<\$80,000>
Kiewit's Revised Bid Offer*:	\$3,090,600

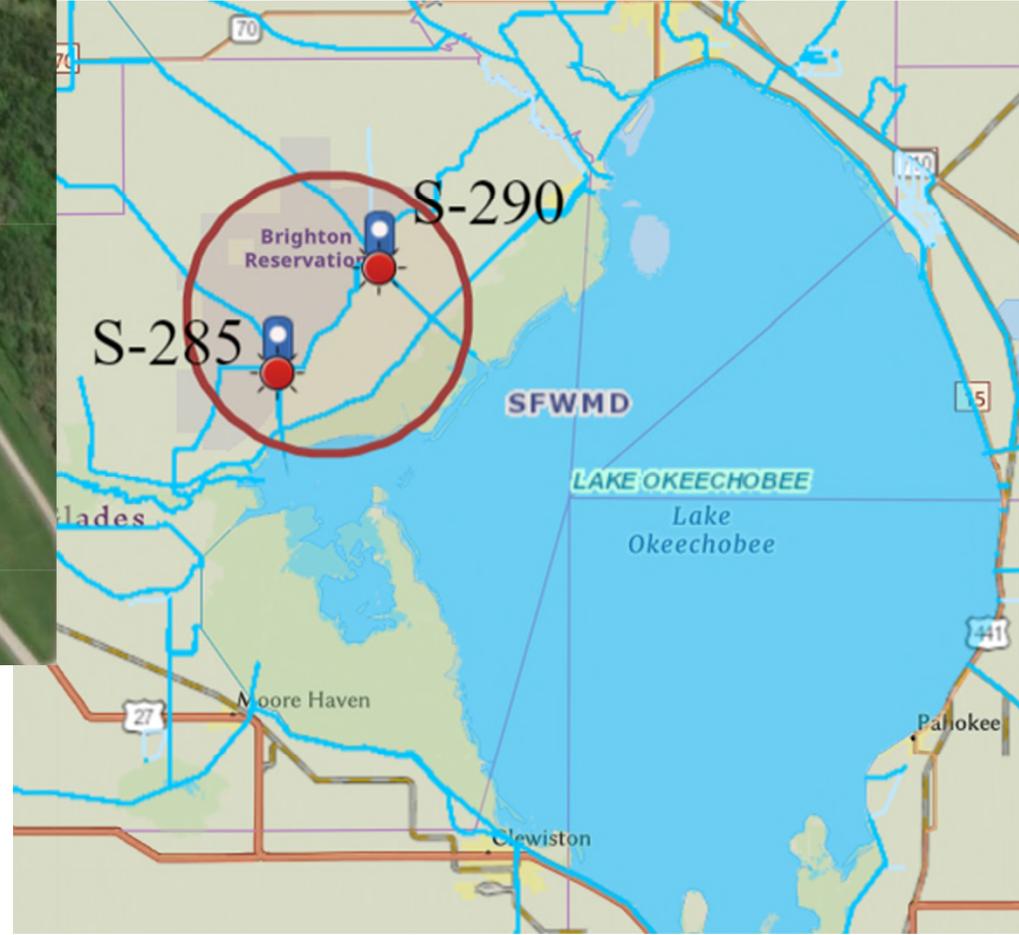
*Kiewit will need to add an additional SBE to maintain our 25% SBE requirement for this project which has been factored into our revised bid offer. A revised SBE form can be provided if requested.

S-290 and S-285 SCADA Retrofit & Automation

Alan Shirkey, P.E.
Operations, Engineering and Construction
South Florida Water Management District
Governing Board Meeting
October 14th, 2021



Project Location



Background

- Water control structures S-290 and S-285 have recently been constructed by the USACE
- USACE demolished/replaced existing G-75 and G-76, with S-290 and S-285, respectively
- Headwater considered “Landside” and Tailwater considered “Lakeside”
- Headwater has two dual leaf slide gates and Tailwater has two combination flap gates
- This project involves retrofitting the existing S-290 and S-285 structure sites with standard District SCADA equipment, a new control building with generator, and miscellaneous site-civil improvements
- The main purpose of this project is to allow the District to effectively operate the headwater gates of S-290 and S-285 for flood control

MEMORANDUM

TO: Governing Board Members

FROM: Jennifer Reynolds, Ecosystem Restoration & Capital Projects

DATE: October 14, 2021

SUBJECT: Northern Everglades and Estuaries Protection Program Update

Agenda Item Background:

The Northern Everglades is comprised of the Lake Okeechobee Watershed (LOW), Caloosahatchee River Watershed (CRW), and St. Lucie River Watershed (SLRW). Water quality improvements in these watersheds are a shared responsibility between the Florida Department of Environmental Protection, Florida Department of Agriculture and Consumer Services, and the District (“Coordinating Agencies”). The District is fully committed to improving water quality through its responsibilities, which include monitoring, research, hydrologic improvements, and projects. This item will highlight ongoing Northern Everglades and Estuaries Protection Program efforts to support the state’s water quality goals and restoration of the Northern Everglades ecosystems. This is a briefing item and no Governing Board action is required.

Core Mission and Strategic Priorities:

The Northern Everglades is comprised of the Lake Okeechobee Watershed (LOW), Caloosahatchee River Watershed (CRW), and St. Lucie River Watershed (SLRW). Water quality improvements in these watersheds are a shared responsibility between the Florida Department of Environmental Protection, Florida Department of Agriculture and Consumer Services, and the District (“Coordinating Agencies”). The District is fully committed to improving water quality through its responsibilities, which include monitoring, research, hydrologic improvements, and projects. This item will highlight ongoing Northern Everglades and Estuaries Protection Program efforts to support the state’s water quality goals and restoration of the Northern Everglades ecosystems.

Additional Background:

The Florida legislature passed the Lake Okeechobee Protection Act (Section 373.4595, Florida Statutes) in 2000 to establish the Lake Okeechobee Protection Program to restore and protect the lake. Underscoring the State's commitment to Everglades ecosystem restoration, the Florida Legislature in 2007 expanded the Lake Okeechobee Protection Act (Section 373.4595, Florida Statutes) to include protection and restoration of the interconnected Kissimmee, Lake Okeechobee, Caloosahatchee, and St. Lucie watersheds. This interagency initiative is known as the NEEPP. The NEEPP requires the Coordinating Agencies to develop and implement Watershed Protection Plans for the Lake Okeechobee, St. Lucie, and Caloosahatchee watersheds. The purpose of the Protection Plans is to identify and implement programs and projects necessary to achieve water quality and quantity objectives for the watersheds. Water quality objectives are based on Total Maximum Daily Loads (TMDLs) established by the Florida Department of Environmental Protection.

Core Mission and Strategic Priorities:

The NEEPP supplements other existing and planned projects and programs to achieve the District core mission to safeguard and restore South Florida's water resources and ecosystems, protect our communities from flooding, and meet the region's water needs connecting with the public and stakeholders.

Funding Source:

This item is informational only, no action on behalf of the Governing Board or funding is required at this time.

Staff Contact and/or Presenter:

Matt Morrison, mjmorris@sfwmd.gov, 561-682-6844

ATTACHMENTS: