

# Big Cypress Basin Consideration of FY2020-2021 Capital Plan Reallocation

Lucine Dadrian, P.E.  
Project Management Section Administrator  
Engineering and Construction Bureau  
April 22, 2021

[sfwmd.gov](http://sfwmd.gov)





# Fiscal Year 2020-2021 Capital Plan

BCB Capital Projects	Fiscal Year 2020-21 (Adopted)
SCADA Replacements	\$275,000
Cypress #1 Structure Relocation	\$250,000
Remote Monitoring & Communications	\$500,000
Electrification and Remote Operations	\$1,100,000
Canal Improvements	\$1,000,000
Miller #3 Gate Replacement	\$250,000
C-1 Connector Canal Control Gate	\$300,000
<b>Total</b>	<b>\$3,675,000</b>

# Changes to FY2020-2021 Capital Plan

## ➤ SCADA Replacements

- Engineer's construction estimate = \$275,000
- Lowest Responsive and Responsible Bid = \$489,900

## ➤ Cypress #1 Structure Relocation

- Confirmed County's project timeline and can accelerate construction this year
- Engineer's construction estimate = \$3,280,900-\$3,626,200
- Lowest Responsive and Responsible Bid = \$4,320,000

## ➤ Remote Monitoring and Communications (aka County Joint Operations Control)

- Delayed until 2023

## ➤ Electrification and Remote Operations

- Engineer's construction estimate has exceeded adopted budgeted amount
- Begin construction for part of project in FY21 with remainder fully funded in FY22



# Changes to FY2020-2021 Capital Plan

## ➤ Canal Improvements

- Budget assumed construction to begin in FY21; Currently still in assessment phase
- Inclusion of Faka Union Bank Stabilization design effort
- Reduction of budget from \$1,000,000 to \$250,519

## ➤ Miller #3 Gate Replacement

- Project fully funded in FY20

## ➤ C-1 Connector Canal Control Gate

- Conceptual design of structure included in Miller/C-1 Canal Improvements assessment

## ➤ BCB Field Station Security Updates



# BCB Field Station Security Updates



**Jesus Carrasco**  
**Bureau Chief, Region 2**  
**Field Operations**  
**April 22, 2021**



# BCB Field Station Security Updates

- BCB Field Station area requires an enhanced security system
- Increased growth within the area (i.e., Paradise Coast Sports Complex, hotels, and industrial businesses)
- Installation of this enhanced security system would provide protection to the BCB Field Station and its assets (i.e., vehicles and equipment)
- Security systems are a standard feature for all buildings and field stations throughout the District
- Cost is \$199,349



# BCB FY2020-2021 Capital Program Reallocations

BCB Capital Projects	Fiscal Year 2020-2021 Adopted Budget	Fiscal Year 2020-2021 Reallocation	Fiscal Year 2020-2021 Variance
SCADA Replacements	\$275,000	\$520,824	\$245,824
Remote Monitoring and Communications	\$500,000	\$0	-\$500,000
Cypress #1 Structure Relocation	\$250,000	\$1,001,029	\$751,029
BCB Field Station Security Updates	\$0	\$199,349	\$199,349
Electrification and Remote Operations	\$1,100,000	\$476,350	-\$623,650
Canal Improvements	\$1,000,000	\$250,519	-\$749,481
Miller #3 Gate Replacement	\$250,000	\$0	-\$250,000
C-1 Connector Canal Control Gate	\$300,000	\$0	-\$300,000
<b>Total</b>	<b>\$3,675,000</b>	<b>\$2,448,071</b>	<b>-\$1,226,929</b>

BCB 5-Year Capital Plan	Fiscal Year 2021-2022 Preliminary	Fiscal Year 2021-2022 Tentative	Fiscal Year 2022-2023	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026
SIP Inspections	\$0	\$0	\$225,000	\$225,000	\$0	\$0
SCADA Replacements	\$0	\$380,000	\$250,000	\$280,000	\$0	\$0
Remote Monitoring & Comms.	\$0	\$0	\$500,000	Project Complete		
Cypress #1 Structure Relocation	\$2,000,000	\$3,900,000	Project Complete			
BCB Communications Tower	\$250,000	\$117,000	\$2,000,000	\$1,800,000	Project Complete	
Electrification and Remote Ops	\$0	\$1,450,000	Project Complete			
Canal Improvements	\$795,000	\$350,000	\$200,000	\$800,000	\$1,000,000	\$300,000
C-1 Connector Canal Control Gate	\$250,000	\$0	Not Started	\$250,000	\$2,000,000	\$1,200,000
CORK3 Replacement	\$0	\$0	Not Started	\$250,000	\$250,000	\$1,000,000
I75W1 Weir Removal	\$250,000	\$0	Project Not Started		\$250,000	\$1,000,000
I75W2 Weir Replacement	\$0	\$0	Project Not Started		\$250,000	\$1,100,000
FU6 Replacement	\$0	\$0	Project Not Started			\$250,000
Total	\$3,545,000	\$6,197,000	\$3,175,000	\$3,605,000	\$3,750,000	\$4,850,000
	Preliminary	\$3,545,000	\$4,375,000	\$4,475,000	\$3,500,000	\$3,500,000
	Variance	\$2,652,000	-\$1,200,000	-\$870,000	\$250,000	\$1,350,000



BCB 5-Year Capital Plan	Fiscal Year 2021-2022 Preliminary	Fiscal Year 2021-2022 Tentative	Fiscal Year 2022-2023	Fiscal Year 2023-2024	Fiscal Year 2024-2025	Fiscal Year 2025-2026
SIP Inspections	\$0	\$0	\$225,000	\$225,000	\$0	\$0
SCADA Replacements	\$0	\$660,000	\$250,000	\$0	\$0	\$0
Remote Monitoring & Comms.	\$0	\$0	\$500,000	Project Complete		
Cypress #1 Structure Relocation	\$2,000,000	\$3,900,000	Project Complete			
BCB Communications Tower	\$250,000	\$117,000	\$2,000,000	\$1,800,000	Project Complete	
Electrification and Remote Ops	\$0	\$1,450,000	Project Complete			
Canal Improvements	\$795,000	\$350,000	\$200,000	\$800,000	\$1,000,000	\$300,000
C-1 Connector Canal Control Gate	\$250,000	\$0	Not Started	\$250,000	\$2,000,000	\$1,200,000
CORK3 Replacement	\$0	\$0	Not Started	\$250,000	\$250,000	\$1,000,000
I75W1 Weir Removal	\$250,000	\$0	Project Not Started		\$250,000	\$1,000,000
I75W2 Weir Replacement	\$0	\$0	Project Not Started		\$250,000	\$1,100,000
FU6 Replacement	\$0	\$0	Project Not Started			\$250,000
Total	\$3,545,000	\$6,477,000	\$3,175,000	\$3,325,000	\$3,750,000	\$4,850,000
	Preliminary	\$3,545,000	\$4,375,000	\$4,475,000	\$3,500,000	\$3,500,000
	Variance	\$2,932,000	-\$1,200,000	-\$1,150,000	\$250,000	\$1,350,000

# Recommendations

- Consider and approve the Revised FY 2020/2021 Capital Plan
- Provide direction to staff on SCADA implementation in the Tentative FY 2021/2022 Capital Plan



HC1 Headwater SCADA Stilling Well



Curry Headwater SCADA Stilling Well





## Board Questions?



## Public Comment on Item #8

If you're participating via Zoom –  
use the Raise Hand feature

If you're participating via Phone –  
\*9 Raises Hand  
\*6 Mutes/Unmutes