

Restoration Strategies Program and Stormwater Treatment Area Enhancement Update May 2023

Eastern Flow Path

STA-1W Expansion #2

Construction of Civil Works and Inflow Pump Stations is ongoing. Pumps have been installed in G-780, roof construction will follow immediately after. Because of contractor issues beyond the control of the District, construction was not completed by the December 31, 2022 milestone due date. The District continues to work closely with the contractor to expeditiously obtain functional use of the project as early as possible.

G-341 Related Conveyance Improvements

Segment 5 construction is ongoing. Construction of the Star Farms and Kennedy Bridges are ongoing with completion expected by mid May 2023. Substantial completion of segment 5 construction is anticipated for August 2023.

STA-1W Refurbishment

Vegetation management activities are ongoing in newly graded areas. Replacement of structures between Cells 1B and 3 scheduled for mid July 2023.

Central Flow Path

STA-2 Refurbishment

Repair of 49 plugs in interior borrow canal of Cell 3 is ongoing.

Western Flow Path

STA-5/6 Internal Improvements

Cells 2A and 3A are currently in the Initial Flooding and Optimization Period.

C-139 Flow Equalization Basin (FEB)

Construction activity for the G-550 inflow pump station, G-551 outflow structure, and G711E divide structure, including the south-east expansion area, are ongoing. Levee and canal construction, and land-levelling are ongoing.

Substantial construction completion date is August 2023.

Connection of STA-5/6 to Lake Okeechobee

Phase 1 design to improve canal conveyance, build a permanent pump station, and rely on interim facilities to connect the Miami Canal to the inflow of STA-5/6 via L-3 Canal is ongoing. Embankment/Canal Design analysis is ongoing. Backcheck review of preliminary design submittal is currently ongoing. Final design of G-775 temporary pumps is complete. Expected construction completion date for G-775 is October 2023.

Restoration Strategies Program and Stormwater Treatment Area Enhancement Update May 2023

Restoration Strategies Science Plan

Twelve Science Plan studies have been completed and nine studies are ongoing.

Ongoing Science Plan Studies

Completion By

Marl Study	June 2023
Biomarker Study.....	July 2023
Ecotopes Study	September 2023
L-8 FEB and STA Operational Guidance	September 2023
Landscape Study.....	September 2023
Effects of Faunal Species on P Cycling in STAs.....	November 2023
P Dynamics Study... ..	March 2024
Periphyton and Phytoplankton P Uptake and Release.....	May 2024
Data Integration Study	September 2024

Picture of the Month



Restoration Strategies Science Plan Landscape Study: This “Straight” flume will be used to measure flow effects on hydraulic mixing. Resistance will be measured once vegetation is added.

Restoration Strategies Program and Stormwater Treatment Area Enhancement Update May 2023

EASTERN FLOW PATH				CENTRAL FLOW PATH			
STA-1W Expansion #2 (100864)				G-341 Related Conveyance Improvements (100802)			
Activity	Deadline	Activity	Deadline	Activity	Deadline	Activity	Deadline
Complete land acquisition	3/31/2018 ✓	Initiate design	10/1/2020 ✓	Initial flooding and optimization period complete	5/31/2014 ✓	COMPLETE	
Initiate design	10/1/2018 ✓	Submit state and federal permit applications	8/1/2021 ✓				
Submit state and federal permit applications	8/1/2019 ✓	Complete land acquisition (if required)	9/30/2021 ✓				
Complete design	7/31/2020 ✓	Complete design	7/31/2022 ✓				
Initiate construction	11/30/2020 ✓	Initiate construction	11/30/2022 ✓				
Construction status report	3/1/2021 ✓	Construction status report	3/1/2023 ✓				
Construction status report	3/1/2022 ✓	Construction status report	3/1/2024 ✓				
Complete construction	12/31/2022	Complete construction	12/31/2024				
Initial flooding and optimization period complete	12/31/2024						
STA-1W Expansion #1 (100818)				L-8 Divide Structure (100817)			
Activity	Deadline	Activity	Deadline	Activity	Deadline	Activity	Deadline
Complete land acquisition	9/30/2013 ✓	Initiate design	10/1/2012 ✓	Complete design	9/30/2014 ✓	COMPLETE	
Initiate design	9/30/2013 ✓	Initiate construction	10/1/2016 ✓	Initiate construction	9/30/2018 ✓		
Submit state and federal permit applications	7/30/2014 ✓	Complete construction	9/30/2018 ✓				
Complete design	7/30/2015 ✓						
Initiate construction	1/31/2016 ✓						
Construction status report	3/1/2017 ✓						
Construction status report	3/1/2018 ✓						
Complete construction	12/31/2018 ✓						
Initial flooding and optimization period complete	12/31/2020 ✓						
STA-1E Repairs and Modifications				S-5AS Modifications (100822)			
Activity	Deadline	Activity	Deadline	Activity	Deadline	Activity	Deadline
PSTA Decommissioning complete	12/31/2022 ✓	Initiate design	10/1/2012 ✓	Complete design	9/30/2014 ✓	COMPLETE	
Culvert repairs complete	12/31/2022 ✓	Initiate construction	10/1/2014 ✓	Initiate construction	9/30/2016 ✓		
Cell 5 and 7 improvements complete	12/31/2022 ✓	Complete construction	9/30/2016 ✓				
L-8 FEB (100813)				S-375 Expansion (100819)			
Activity	Deadline	Activity	Deadline	Activity	Deadline	Activity	Deadline
Submit state and federal permit applications	1/31/2014 ✓	Initiate design	9/30/2013 ✓	Complete design	7/30/2015 ✓	COMPLETE	
Construction status report	3/1/2014 ✓	Initiate construction	1/31/2016 ✓	Initiate construction	12/31/2018 ✓		
Construction status report	3/1/2015 ✓	Complete construction	12/31/2018 ✓				
Complete construction (begin multi-purpose ops)	12/31/2016 ✓						
Long term operations commence	12/31/2022 ✓						
				LEGEND Flow Equalization Basin Stormwater Treatment Area Conveyance Improvement ✓ Complete			
STA-2 Expansion: Compartment B				A-1 FEB (100706)			
Activity	Deadline	Activity	Deadline	Activity	Deadline	Activity	Deadline
Initial flooding and optimization period complete	5/31/2014 ✓	Initiate design	4/1/2012 ✓	Submit state and federal permit applications	12/1/2012 ✓	COMPLETE	
		Design status report	3/1/2013 ✓	Complete design	8/1/2013 ✓		
		Initiate construction	6/30/2014 ✓	Initiate construction	6/30/2014 ✓		
		Construction status report	3/1/2015 ✓	Construction status report	3/1/2015 ✓		
		Construction status report	3/1/2016 ✓	Complete construction	7/30/2016 ✓		
		Complete construction	7/30/2016 ✓	Operational monitoring and testing period complete	7/29/2018 ✓		
		Operational monitoring and testing period complete	7/29/2018 ✓				
STA-5/6 Internal Improvements (100868)				STA-5/6 Expansion: Compartment C			
Activity	Deadline	Activity	Deadline	Activity	Deadline	Activity	Deadline
Initiate design	10/31/2019 ✓	Initiate design	10/31/2019 ✓	Initial flooding and optimization period complete	5/31/2014 ✓	COMPLETE	
Submit state and federal permit applications	8/30/2020 ✓	Submit state and federal permit applications	8/30/2020 ✓				
Complete design	10/31/2021 ✓	Complete design	10/31/2021 ✓				
Initiate construction	1/31/2022 ✓	Initiate construction	1/31/2022 ✓				
Construction status report	3/1/2023 ✓	Construction status report	3/1/2023 ✓				
Construction status report	3/1/2024 ✓	Construction status report	3/1/2024 ✓				
Complete construction	12/31/2024 ✓	Complete construction	12/31/2024 ✓				
Initial flooding and optimization period complete	12/31/2025	Initial flooding and optimization period complete	12/31/2025				
STA-5/6 Expansion: Compartment C				C-139 FEB (100867)			
Activity	Deadline	Activity	Deadline	Activity	Deadline	Activity	Deadline
Initial flooding and optimization period complete	5/31/2014 ✓	Initiate design	10/31/2018 ✓	Submit state and federal permit applications	8/30/2019 ✓	COMPLETE	
		Submit state and federal permit applications	8/30/2019 ✓	Complete design	10/31/2020 ✓		
		Complete design	10/31/2020 ✓	Initiate construction	1/31/2021 ✓		
		Initiate construction	1/31/2021 ✓	Construction status report	3/1/2021 ✓		
		Construction status report	3/1/2021 ✓	Construction status report	3/1/2022 ✓		
		Construction status report	3/1/2022 ✓	Construction status report	3/1/2023 ✓		
		Complete construction	12/31/2023 ✓	Complete construction	12/31/2023 ✓		
		Operational monitoring and testing period complete	12/31/2024	Operational monitoring and testing period complete	12/31/2024		

Projects Complete = 9 of 13
 Activities Complete = 68 of 74
 % Activities Complete = 92 %
 % Time Complete = 80 %

Revised April 20, 2023