

Restoration Strategies Program and Stormwater Treatment Area Enhancement Update October 2021

Eastern Flow Path

STA-1E Repairs and Modifications (Cells 5 and 7)

Earthwork to regrade Cells 5 to correct topographic deficiencies of the original construction is complete. Vegetation management planting activities are ongoing. Cell 7 regrade is ongoing. Project is on schedule to be completed by April 2022.

STA-1W Expansion #2

Construction of Civil Works and Inflow Pump Station is ongoing.

G-341 Related Conveyance Improvements

Segment 4 construction is ongoing; concrete work for the Boca Chica bridge deck is complete. Construction is expected to be completed by November 2021. Segment 5 design is ongoing and is expected to be finalized by November 2021.

STA-1W Refurbishment

Earthwork for various enhancements is ongoing. Work includes 50-acre regrade in Cell 3 to remove finger canals, levee realignment between Cells 5B and 2A for improved flow patterns, removal of levees and structures between Cells 2B and 4, and replacement of structures between Cells 1B and 3. The 2B /4 levee removal and the Cell 3 earthwork is complete. The levee removal between 5B and 2A levee is near completion

Central Flow Path

STA-2 Refurbishment

Earthwork to regrade a 500-acre low-lying area, repair plugs in borrow canal, and other enhancements in Cell 2 is ongoing. Earthwork to make 49 cuts through remnant farm berms in Cell 3 is complete.

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 G550 Inflow pump station and G-551 structures are ongoing. ERP Permits for G552 and G711E complete.

Connection of STA-5/6 to Lake Okeechobee

Hydraulic Feasibility Study and Conceptual Design have been completed. Phase 1 design will commence in October 2021 to improve conveyance, build a pump station, and rely on temporary facilities to connect the Miami Canal to the inflow of STA-5/6.

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Restoration Strategies Science Plan

Of the fourteen Science Plan studies, eight have been completed and six are in progress. Six additional study proposals have been approved.

Ongoing Science Plan Studies

Completion By

Factors for Formation of Floating Tussocks in STAs	Sept 2021
L-8 FEB and STA Operational Guidance.....	Sept 2021
Improving Resilience of Submerged Aquatic Vegetation in STAs.....	Sept 2022
Effects of Faunal Species on P Cycling in STAs	Sept 2022
Periphyton and Phytoplankton P Uptake and Release	Sept 2023
Soil Amendments to Control P Flux	Sept 2023

Additional Studies

Biomarker Study	Sept 2022
Fauna study	Sept 2023
Ecotopes Study	Sept 2023
P Dynamics Study.....	Sept 2023
Data Integration Study	Sept 2024
Marl Study	Sept 2024



Westward aerial view of the STA-1W Expansion #2 Project. Image shows construction of G-781 Inflow Pump Station and G-784 Inflow Culvert in Cell 9.

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EASTERN FLOW PATH				CENTRAL FLOW PATH				
STA-1W Expansion #2 (100864)				G-341 Related Conveyance Improvements (100802)				
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	
Initiate design	10/1/2018	✓	Submit state and federal permit applications	8/1/2021	✓	COMPLETE		
Submit state and federal permit applications	8/1/2019	✓	Complete land acquisition (if required)	9/30/2021	✓	A-1 FEB (100706)		
Complete design	7/31/2020	✓	Complete design	7/31/2022				Activity
Initiate construction	11/30/2020	✓	Initiate construction	11/30/2022	✓	Initiate design	4/1/2012	
Construction status report	3/1/2021	✓	Construction status report	3/1/2023	✓	Submit state and federal permit applications	12/1/2012	
Construction status report	3/1/2022		Construction status report	3/1/2024		Design status report	3/1/2013	
Complete construction	12/31/2022		Complete construction	12/31/2024		Complete design	8/1/2013	
Initial flooding and optimization period complete	12/31/2024					Initiate construction	6/30/2014	
STA-1W Expansion #1 (100818)			L-8 Divide Structure (100817)			COMPLETE		
Activity	Deadline		Activity	Deadline		COMPLETE		
Complete land acquisition	9/30/2013	✓	Initiate design	10/1/2012	✓			
Initiate design	9/30/2013	✓	Complete design	9/30/2014	✓	WESTERN FLOW PATH		
Submit state and federal permit applications	7/30/2014	✓	Initiate construction	10/1/2016	✓			STA-5/6 Internal Improvements (100868)
Complete design	7/30/2015	✓	Complete construction	9/30/2018	✓	Activity	Deadline	
Initiate construction	1/31/2016	✓	S-5AS Modifications (100822)			Initiate design	10/31/2019	
Construction status report	3/1/2017	✓	Activity	Deadline		Submit state and federal permit applications	8/30/2020	
Construction status report	3/1/2018	✓	Initiate design	10/1/2012	✓	Complete design	10/31/2021	
Complete construction	12/31/2018	✓	Complete design	9/30/2014	✓	Initiate construction	1/31/2022	
Initial flooding and optimization period complete	12/31/2020	✓	Initiate construction	10/1/2014	✓	Construction status report	3/1/2023	
STA-1E Repairs and Modifications			Complete construction	9/30/2016	✓	Construction status report	3/1/2024	
Activity	Deadline		S-375 Expansion (100819)			Complete construction	12/31/2024	
PSTA Decommissioning complete	12/31/2022	✓	Activity	Deadline		Initial flooding and optimization period complete	12/31/2025	
Culvert repairs complete	12/31/2022	✓	Initiate design	9/30/2013	✓	STA-5/6 Expansion: Compartment C		
Cell 5 and 7 improvements complete	12/31/2022		Complete design	7/30/2015	✓	Activity	Deadline	
L-8 FEB (100813)			Initiate construction	1/31/2016	✓	Initial flooding and optimization period complete	5/31/2014	
Activity	Deadline		Complete construction	12/31/2018	✓	COMPLETE		
Submit state and federal permit applications	1/31/2014	✓	LEGEND				C-139 FEB (100867)	
Construction status report	3/1/2014	✓	Construction status report	3/1/2015	✓	Activity	Deadline	
Construction status report	3/1/2015	✓	Complete construction (begin multi-purpose ops)	12/31/2016	✓	Initiate design	10/31/2018	
Complete construction (begin multi-purpose ops)	12/31/2016	✓	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <div style="width: 15px; height: 15px; background-color: #add8e6; border: 1px solid black; margin: 0 auto;"></div> <p>Flow Equalization Basin</p> </div> <div style="text-align: center;"> <div style="width: 15px; height: 15px; background-color: #90ee90; border: 1px solid black; margin: 0 auto;"></div> <p>Stormwater Treatment Area</p> </div> <div style="text-align: center;"> <div style="width: 15px; height: 15px; background-color: #ffcc99; border: 1px solid black; margin: 0 auto;"></div> <p>Conveyance Improvement</p> </div> </div> <p style="text-align: center;">✓ Complete</p>				Submit state and federal permit applications	8/30/2019
Long term operations commence	12/31/2022						Complete design	10/31/2020
Projects Complete = 7 of 13			Activity			Initiate construction	1/31/2021	
Activities Complete = 61 of 74			Deadline			Construction status report	3/1/2021	
% Activities Complete = 82 %			Construction status report			Construction status report	3/1/2022	
% Time Complete = 68 %			Construction status report			Construction status report	3/1/2023	
			Complete construction			Complete construction	12/31/2023	
			Complete construction			Operational monitoring and testing period complete	12/31/2024	

Revised September 17, 2021