Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

A-1 Flow Equalization Basin (FEB)

November 14, 2014

Alan Shirkey, P.E.
Section Administrator
Project Management

sfwmd.gov Restoration Strategies for clean water for the Everglades
A-1 FEB – Location and Existing Conditions
G-722W Bypass Structure

G-721 Inflow Structure

EAA A1 Flow Equalization Basin
Southeast viewing Northwest
A-1 FEB

- Design and Construction Schedule:
  - Preliminary Design – Completed
  - Intermediate Design Submittal – Completed
  - Final Design Submittal – Completed
  - Final Design TRB – Completed
  - Corrected Final/RTA Design Submittal – Completed
  - Governing Board – Completed
  - NTP – Completed
  - Substantial Completion – April 15, 2015
  - Final Completion – June 14, 2015
### Milestones

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<tr>
<th>Milestone</th>
<th>Compliance date</th>
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Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

L-8 Flow Equalization Basin

November 14, 2014

Alan Shirkey, P.E.
Section Administrator
Project Management
Project Location

- L-8 Canal
- L-8 Reservoir
- C-51 Canal
- STA 1W
- STA 1E
- Loxahatchee National Wildlife Refuge
- Cells 1&2
- Cell 3
- Cell 4
- Cell 5
- Cell 6
- Cell 7

SOUTHWATERMANAGEMENTDISTRICT
Cells 1/2,4,5: -26.5’ NAVD
Cell 3: -31.6’ NAVD
Cell 6: -30.4’ NAVD
Cell 7: -30.4’ NAVD
SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Restoration Strategies for clean water for the Everglades
Design/Build Schedule

- Governing Board Approval: Completed
- NTP: Completed
- Preliminary Design (Revetment): Completed
- Preliminary Design (Pump and Inflow): Completed
- Final Design (Revetment): Completed
- Final Design (Pump and Inflow): Completed
- Revetment Construction – Roller Compacted Concrete completed, installation of Turf Reinforcement Mat continues
- Substantial Completion: April 18, 2015
- Final Completion: October 15, 2015
## Milestones

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Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

L-8 Divide Structure

November 14, 2014

Alan Shirkey, P.E.
Section Administrator
Project Management
L-8 Divide Structure, G-541
L-8 Divide Structure, G-541
L-8 Divide Structure

Design and Construction Schedule:

- Hydrographic & topographic survey for the 26 miles of the L-8 Canal/Levee from C-10A to S-5AS: **Completed**
- Hydrologic & Hydraulic modeling efforts for structure design: **Completed**
- Geotechnical survey for structure subsurface & seepage analysis: **Completed**

Preliminary design: **Completed**

Final design package: **Completed**

Governing Board Contract Award: ** Completed**

Notice to Proceed: **Completed**

Project Substantial Completion: **February 7, 2016**

Project Final Completion: **April 7, 2016**
### Milestones

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Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

S-5AS Divide Structure

November 14, 2014

Alan Shirkey, P.E.
Section Administrator
Project Management
S-5AS Divide Structure
S-5AS Divide Structure

• Design and Construction Schedule:
  • Comprehensive Fluid Dynamic Model: Complete
  • Structure Stability Review: Complete
  • Preliminary design due: Complete
  • Final design package due: Complete
  • Project out for Bid: Complete
  • Governing Board Approval: Complete
  • Notice to Proceed: Complete
  • Project Substantial Completion: Feb 28, 2016
  • Project Final Acceptance: April 28, 2016
## S-5AS Divide Structure Milestones

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Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

G-716 Structure

November 14, 2014

Alan Shirkey, P.E.
Section Administrator
Project Management

sfwmd.gov
Restoration Strategies for clean water for the Everglades
G-716 Structure
G-716 Structure
G-716 Structure

• Design and Construction Schedule:
  • Structure Type Evaluation: Complete
  • Structure Flow Calculations: Complete
  • Preliminary design due: December 22, 2014
  • Final design package due: July 30, 2015
  • Project out for Bid: October 1, 2015
  • Governing Board Approval: November 12, 2015
  • Notice to Proceed: December 1, 2015
  • Project Substantial Completion: April 1, 2017
  • Project Final Acceptance: June 1, 2017
# G-716 Structure

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Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

STA 1W Expansion # 1

November 14, 2014

Alan Shirkey, P.E.
Section Administrator
Project Management
STA 1W Expansion #1 – Location Map

- Inflow/Supply Canal
- Outflow Canal
- Representative of ~4,600 acre STA-1 W Expansion
- STA-1 West
- Pump Station to 1900 acre STA
- Gated Spillway
- G-310
- WCA 1
STA 1W Expansion #1

- Design and Construction Schedule:
  - Hydraulic Study – Complete
  - Preliminary Design Plan Set – Complete
  - Preliminary Design Full Submittal – October 31, 2014
  - Intermediate Design Submittal – February 27, 2015
  - Final Design Submittal – June 2, 2015
  - Final Design TRB – June 10, 2015
  - Corrected Final/RTA Design Submittal – July 17, 2015
  - Governing Board – January 14, 2016
  - Substantial Completion – September 30, 2018
  - Final Completion – December 31, 2018
## Milestones

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