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)

February 2015

Alan Shirkey, P.E.
Section Administrator
Project Management
A-1 FEB – Location and Existing Conditions
G-722W Bypass Structure

G-724 Inflow Structure & Tie-in Levee

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 29, 2015
- Final Completion – June 29, 2015
<table>
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<tr>
<th>Milestone</th>
<th>Compliance date</th>
<th>Status</th>
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<td>12/1/2012</td>
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<td>Initial flooding and optimization complete</td>
<td>7/29/2018</td>
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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

February 2015

Alan Shirkey, P.E.  
Section Administrator  
Project Management
Project Location
Cells 1/2,4,5: -27.0’ NAVD
Cell 3: -33.9’ NAVD
Cell 6, 7: -27.4’ NAVD
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 Sod continues

- Substantial Completion  
  April 18, 2015

- Final Completion  
  October 15, 2015
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<tr>
<th>Milestone</th>
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<td>Submit state and federal permits</td>
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<td>Construction status report</td>
<td>3/1/2015</td>
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<td>Long term operations</td>
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</table>
Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

L-8 Divide Structure

February 2015

Alan Shirkey, P.E.
Section Administrator
Project Management

sfwmd.gov Restoration Strategies for clean water for the Everglades
L-8 Divide Structure, G-541
Restoration Strategies for clean water for the Everglades
L-8 Divide Structure

• Design: **Completed**

• Construction Schedule:
  • Notice to Proceed: **October 15, 2014**
  • Project Substantial Completion: **February 7, 2016**
  • Project Final Completion: **April 7, 2016**

• Construction activities:
  • Bypass Channel – **Completed**
  • Excavation of Subgrade – **Completed**
  • Pre-drilling of Sheet Piles – **Underway**
## Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Compliance date</th>
<th>Status</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

S-5AS Divide Structure

February 2015

Alan Shirkey, P.E.
Section Administrator
Project Management

sfwmd.gov

Restoration Strategies for clean water for the Everglades
S-5AS Divide Structure

S-5AS
S-5AS Divide Structure
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

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

G-716 Structure (S-375 Expansion)

February 2015

Alan Shirkey, P.E.
Section Administrator
Project Management
G-716 Structure
G-716 Structure

- Design and Construction Schedule:
  - Structure Type Evaluation: Complete
  - Structure Flow Calculations: Complete
  - Preliminary design due: Complete
  - Final design package due: June 30, 2015
  - Project out for Bid: July 16, 2015
  - Governing Board Approval: September 10, 2015
  - Notice to Proceed: September 20, 2015
  - Project Substantial Completion: April 1, 2017
  - Project Final Acceptance: June 1, 2017
## G-716 Structure

<table>
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<th>Milestone</th>
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<td>Complete design</td>
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<tr>
<td>Complete construction</td>
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</tbody>
</table>
Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

STA 1W Expansion # 1

February 2015

Alan Shirkey, P.E.
Section Administrator
Project Management

sfwmd.gov
Restoration Strategies for clean water for the Everglades
STA 1W Expansion #1 – Location Map

- Existing STA 1W Discharge Canal
- Proposed Levee Degrade
- Existing STA-1 West
- Proposed Gated Spillway
- Proposed Gated Spillway and Overflow Weir
- Cell 6
- Cell 7
- Cell 8
- Proposed Gated Box Culverts
- Proposed Earthen Plug
- Existing Outflow Pump Station G-251
- Existing Outflow Pump Station G-310
- WCA 1
STA 1W Expansion #1

- Design and Construction Schedule:
  - Hydraulic Study – Complete
  - Preliminary Design Plan Set – Complete
  - Preliminary Design Full Submittal – Complete
  - Intermediate Design Submittal – April 17, 2015
  - Final Design Submittal – June 12, 2015
  - Final Design TRB – July 8, 2015
  - Corrected Final/RTA Design Submittal – July 30, 2015
  - Governing Board – October 8, 2015
  - Substantial Completion – September 30, 2018
  - Final Completion – December 31, 2018
## Milestones

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<th>Milestone</th>
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<td>Submit state and federal permits</td>
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<td>Initiate construction</td>
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<td>Completion of construction</td>
<td>12/31/2018</td>
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<td>Initial flooding and optimization complete</td>
<td>12/30/2020</td>
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Exist. STA Improvements
Independent Western Flow way

- Provide the Western Flow-way with an independent inflow source
- Construction of approx. 5,000 linear feet of levees and berms
- Use existing G-255 and G-303 Structures
- Final Design February 2015
- Proposed Project Completion July 2015