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

March 2016

Alan Shirkey, P.E.
Section Administrator
Project Management
All Cells: +12.3’ NAVD

G-538 Inflow Gate Station
G-539 Pump Station
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: Completed
- Substantial Completion: April 18, 2015
- Final Completion: October 15, 2015
## Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Compliance date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submit state and federal permits</td>
<td>1/31/2014</td>
<td>Complete</td>
</tr>
<tr>
<td>Construction status report</td>
<td>3/1/2014</td>
<td>Complete</td>
</tr>
<tr>
<td>Construction status report</td>
<td>3/1/2015</td>
<td>Complete</td>
</tr>
<tr>
<td>Completion of construction</td>
<td>12/31/2016</td>
<td>Pending</td>
</tr>
<tr>
<td>Long term operations</td>
<td>12/31/2022</td>
<td>Pending</td>
</tr>
</tbody>
</table>
Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

G-541/L-8 Divide Structure

March 2016

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

NH

sfwmd.gov  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 – April 7, 2016
  • Project Final Completion: April 7, 2016 – May 29, 2016

• Construction activities:
  • Bypass Channel – Backfilled, canal plugs are breached
  • Slab and Walls – Completed
  • Service Bridge Pour – Completed
  • Control Building – Placed
  • Gate Installation – Pending
### Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Compliance date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initiate design</td>
<td>10/1/2012</td>
<td>Complete</td>
</tr>
<tr>
<td>Complete design</td>
<td>9/30/2014</td>
<td>Complete</td>
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<tr>
<td>Initiate construction</td>
<td>10/1/2016</td>
<td>Complete</td>
</tr>
<tr>
<td>Complete construction</td>
<td>9/30/2018</td>
<td>Pending</td>
</tr>
</tbody>
</table>
Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

S-5AS Divide Structure

March 2016

Alan Shirkey, P.E.
Section Administrator
Project Management

sfwmd.gov
Restoration Strategies for clean water for the Everglades
S-5AS Divide Structure
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>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initiate design</td>
<td>10/1/2012</td>
<td>Complete</td>
</tr>
<tr>
<td>Complete design</td>
<td>9/30/14</td>
<td>Complete</td>
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<tr>
<td>Initiate construction</td>
<td>10/1/14</td>
<td>Complete</td>
</tr>
<tr>
<td>Complete construction</td>
<td>9/30/16</td>
<td>Pending</td>
</tr>
</tbody>
</table>
Quarterly Communications Meeting on the Long-Term Plan for Achieving Water Quality Goals for the Everglades Protection Area Tributary Basins

G-716 Structure

March 2016

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

[Image of a map showing the G-716 Structure with surrounding landmarks and water bodies]
G-716 Structure
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: Complete
  • Project out for Bid: Complete
  • Governing Board Approval: Complete
  • Notice to Proceed: December 14, 2015
  • Project Substantial Completion: April 7, 2017
  • Project Final Acceptance: June 6, 2017
## G-716 Structure

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Compliance date</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>Initiate design</td>
<td>9/30/2013</td>
<td>Complete</td>
</tr>
<tr>
<td>Complete design</td>
<td>7/30/2015</td>
<td>Complete</td>
</tr>
<tr>
<td>Initiate construction</td>
<td>1/31/2016</td>
<td>Complete</td>
</tr>
<tr>
<td>Complete construction</td>
<td>12/31/2018</td>
<td>Pending</td>
</tr>
</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

March 2016

Alan Shirkey, P.E.
Section Administrator
Project Management
STA 1W Expansion #1 Progress Pictures

Turbidity Control at Discharge Canal

New Spreader Canal De-mucking
STA 1W Expansion #1

• Design and Construction Schedule:
  • Hydraulic Study – Complete
  • Preliminary Design Plan Set – Complete
  • Preliminary Design Full Submittal – Complete
  • Intermediate Design Submittal – Complete
  • Final Design Submittal – Complete
  • Final Design TRB – Complete
  • Corrected Final/RTA Design Submittal – Complete
  • Governing Board – Complete
  • NTP – Complete
  • Substantial Completion – September 30, 2018
  • Final Completion – December 31, 2018
### Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Compliance date</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>Complete land acquisition</td>
<td>9/30/2013</td>
<td>Complete</td>
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<tr>
<td>Initiate design</td>
<td>9/30/2013</td>
<td>Complete</td>
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<tr>
<td>Submit state and federal permits</td>
<td>7/30/2014</td>
<td>Complete</td>
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<tr>
<td>Complete design</td>
<td>7/30/2015</td>
<td>Complete</td>
</tr>
<tr>
<td>Initiate construction</td>
<td>1/31/2016</td>
<td>Complete</td>
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<tr>
<td>Construction status report</td>
<td>3/1/2017</td>
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<tr>
<td>Construction status report</td>
<td>3/1/2018</td>
<td>Pending</td>
</tr>
<tr>
<td>Completion of construction</td>
<td>12/31/2018</td>
<td>Pending</td>
</tr>
<tr>
<td>Initial flooding and optimization complete</td>
<td>12/30/2020</td>
<td>Pending</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

G-341 Conveyance Improvements – L16 Canal

March 2016

Alan Shirkey, P.E.
Section Administrator
Project Management
G341 Conveyance Improvements – L16 Canal Phase

Project Boundary
G341 Conveyance Improvements – L16 Canal
Segment 1
Typical Cross Section for Segment 1
Typical Cross Section for Segment 1
G341 Conveyance Improvements – L16 Canal Segment 2
Typical Cross Section for Segment 2
RS G-341 Bolles Canal – Phase I Project

• Design of Phase I:
  • Segment 1 Completed
  • Segment 2 Final Design – March 18, 2016
  • Duda Bridge Agreement – Completed February 2016 GB

• Construction Schedule Segment 1:
  • Notice to Proceed: September 14, 2015
  • Project Substantial Completion: September 13, 2016
  • Project Final Completion: November 12, 2016

• Construction activities:
  • Farm Ditch – 70% Completed
  • Farm Road – 70% Completed
  • Main Bolles Canal Blasting and Excavation – 55% Completed