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 26, 2014

John Mitnik, P.E.
Bureau Chief
Engineering and Construction Bureau
A-1 FEB – Location and Existing Conditions
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

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Compliance date</th>
<th>Status</th>
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<tbody>
<tr>
<td>Initiate design</td>
<td>4/1/2012</td>
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<tr>
<td>Submit state and federal permits</td>
<td>12/1/2012</td>
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<td>Design status report</td>
<td>3/1/2013</td>
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<tr>
<td>Complete design</td>
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<td>Construction status report</td>
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<td>Completion of construction</td>
<td>7/30/2016</td>
<td>Pending</td>
</tr>
<tr>
<td>Initial flooding and optimization complete</td>
<td>7/29/2018</td>
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</tr>
</tbody>
</table>
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 26, 2014

John Mitnik, P.E.
Bureau Chief
Engineering and Construction Bureau
Project Location
Cells 1/2,4,5: -15.35’ NAVD
Cell 3: -31.8’ NAVD
Cell 6,7: -37.5’ 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 – 20,035 lf of 26,928 lf completed
- Substantial Completion  April 18, 2015
- Final Completion  October 15, 2015
## Milestones

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<tr>
<th>Milestone</th>
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<td>Submit state and federal permits</td>
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<td>Long term operations</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 Divide Structure

February 26, 2014

John Mitnik, P.E.
Bureau Chief
Engineering and Construction Bureau

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

L-8 Divide Structure

L-8 FEB Pump Station

L-8 FEB Inflow Structure
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 due: Completed (USACE ATR Completed)
• Final design package due: Completed – Undergoing review
• Notice to Proceed: August 2014
• Project Substantial Completion: January 2016
• Project Final Acceptance: March 2016

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

 Restoration Strategies for clean water for the Everglades
## Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Compliance date</th>
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<tr>
<td>Complete design</td>
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<td>Complete construction</td>
<td>9/30/2018</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

S-5AS Divide Structure

February 26, 2014
S-5AS Divide Structure
Design and Construction Schedule:

- Comprehensive Fluid Dynamic Model: Complete
- Structure Stability Review: Complete
- Preliminary design due: February 28, 2014
- Final design package due: May 30, 2014
- Project out for Bid: August 1, 2014
- Governing Board Approval: September 15, 2014
- Notice to Proceed: October 15, 2014
- Project Substantial Completion: April 15, 2016
- Project Final Acceptance: May 15, 2016
### S-5AS Divide Structure Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Compliance date</th>
<th>Status</th>
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<td>Complete construction</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

G-716 Structure

February 26, 2014

John Mitnik, P.E.
Bureau Chief
Engineering and Construction Bureau
G-716 Structure

• Design and Construction Schedule:
  • Structure Type Evaluation: Complete
  • Structure Flow Calculations: Complete
  • Preliminary design due: September 5, 2014
  • Final design package due: February 20, 2015
  • Project out for Bid: April 5, 2015
  • Governing Board Approval: May 10, 2015
  • Notice to Proceed: May 15, 2015
  • Project Substantial Completion: November 30, 2016
  • Project Final Acceptance: December 31, 2016
# G-716 Structure

<table>
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<td>Complete design</td>
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<td>Complete construction</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

STA 1W Expansion # 1

February 26, 2014

John Mitnik, P.E.
Bureau Chief
Engineering and Construction Bureau
STA 1W Expansion #1

- Design and Construction Schedule:
  - Hydraulic Study – **February 28, 2014**
  - Preliminary Design – September 5, 2014
  - Intermediate Design Submittal – February 6, 2015
  - Final Design Submittal – June 26, 2015
  - Final Design TRB – July 1, 2015
  - Corrected Final/RTA Design Submittal – July 30, 2015
  - Governing Board – January 14, 2016
  - Substantial Completion – September 30, 2018
  - Final Completion – December 31, 2018
# Milestones

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<tr>
<th>Milestone</th>
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<td>Complete land acquisition</td>
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<td>Submit state and federal permits</td>
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<td>Initial flooding and optimization complete</td>
<td>12/30/2020</td>
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Questions?