L-8 Flow Equalization Basin

Long-Term Plan
Communications Meeting
May 22, 2013

John Mitnik, PE
Bureau Chief
Engineering & Construction Bureau
Restoration Strategies Key Projects
Project Location
Design and Dewater
Water at -13.75’ NGVD
Soil Cement Revetment

TOB 23’ NAVD
Ties into existing rock shelf
~ 3-5’ NAVD
Design/Build Schedule

- Governing Board Approval – Completed
- NTP – Completed
- Preliminary Design (Revetment) – Completed
- Preliminary Design (Pump Station and Inflow) – Completed
- Final Design (Revetment) – Completed
- Final Design (Pump Station and Inflow) – May 30, 2013
- Revetment Construction Starts – June 13, 2013
- Substantial Completion – April 18, 2015
- Final Completion – October 15, 2015
## Milestones

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Compliance date</th>
<th>Status</th>
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<tbody>
<tr>
<td>Submit state and federal permits</td>
<td>1/31/2014</td>
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<tr>
<td>Construction status report</td>
<td>3/1/2014</td>
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<td>Completion of construction</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

A-1 Flow Equalization Basin (FEB)

May 22, 2013

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 – June 6, 2013
- Governing Board – October 2013
- NTP – November 1, 2013
- Substantial Completion – December 31, 2014
- Final Completion – March 31, 2015
### Milestones

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<tr>
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<td>Initiate design</td>
<td>4/1/2012</td>
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<tr>
<td>Submit state and federal permits</td>
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<td>Initial flooding and optimization complete</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

May 22, 2013

John Mitnik, P.E.
Bureau Chief
Engineering and Construction Bureau
L-8 Divide Structure, G-541

L-8 Divide Structure

L-8 FEB Pump Station

L-8 FEB Inflow Structure
L-8 Divide Structure, G-541

Typical SFWMD Vertical Lift, Gated Spillway Structure

G-541 Conceptual Drawing
L-8 Divide Structure

• Design and Construction Schedule:
  ➢ Hydrographic & topographic survey for the 26 miles of L-8 from C-10A to S-5AS: Completed
  ➢ Hydrologic & Hydraulic modeling efforts for structure design: Completed
  ➢ Geotechnical survey for structure subsurface and seepage analysis: Completed

• Preliminary design due: July 2013
• Final design package due: February 2014
• Notice to Proceed: August 2014
• Project Substantial Completion: January 2016
• Project Final Acceptance: March 2016
## Milestones

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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

S-5AS Divide Structure

May 22, 2013

John Mitnik, P.E.
Bureau Chief
Engineering and Construction Bureau
S-5AS Divide Structure
S-5AS Divide Structure
S-5AS Divide Structure

• Design and Construction Schedule:
  • Comprehensive Fluid Dynamic Model underway
  • Structure Stability Review complete
  • Preliminary design due - July 2013
  • Intermediate Design Submittal Deadline – September 2013
  • Final design package due - December 2013
  • Project out for Bid – February 2014
  • Governing Board Approval – March 2014
  • Notice to Proceed – April 2014
  • Project Substantial Completion – June 2015
  • Project Final Acceptance – July 2015
## 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

May 22, 2013

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

• Design and Construction Schedule:
  • Structure Type Evaluation - complete
  • Structure Flow Calculations - complete
  • Preliminary design due – August 2013
  • Final design package due – August 2014
  • Project out for Bid – September 2014
  • Governing Board Approval – November 2014
  • Notice to Proceed – December 2014
  • Project Substantial Completion – May 2016
  • Project Final Acceptance – June 2016
Questions?