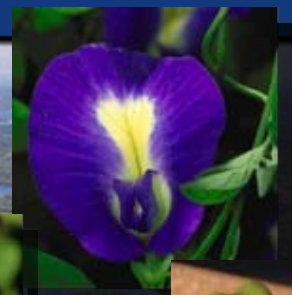
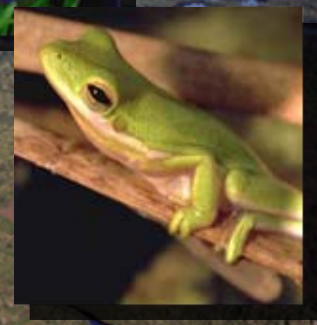
SOUTH FLORIDA WATER MANAGEMENT DISTRICT





Everglades Restoration Update

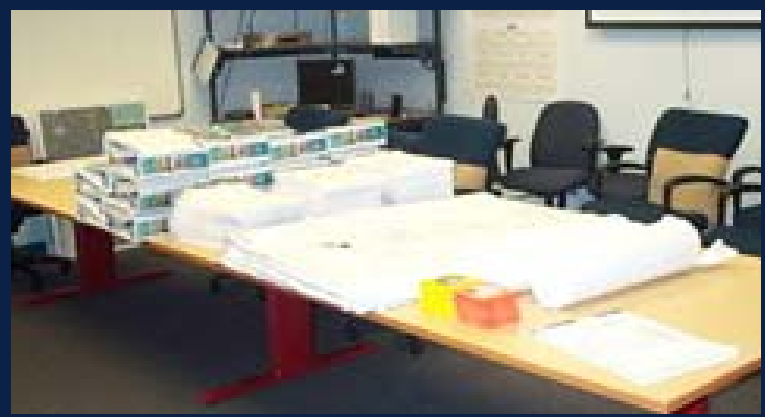
Tommy B. Strowd, P.E.
Assistant Deputy Executive Director, Everglades Restoration Resource Group

Task Force Meeting
May 16, 2007

sfwmd.gov

Engineering Update

- Basis of Design Report for Storm Treatment Area (STA) Compartment B Build out received
- EAA Reservoir Embankment Pre-Final Plans & Specs received
- C-44 Reservoir/STA Pre-Final Plans & Specs received
- Next month:
  - C-43 Reservoir Intermediate Plans and Specs
  - Picayune Phase III Road Removal Final Plans & Specs



Construction Update

May 2007

In Construction: $340.1 Million

▪ STA 2 Expansion (Gulf Group)	$ 18.7 Million	94% complete
▪ STA 5 Expansion (Interlaken)	$ 12.9 Million	98% complete
▪ STA 6 Expansion (Harry Pepper)	$ 23.4 Million	92% complete
▪ C-44 Test Cells (Barnard)	$ 9.0 Million	99% complete
▪ C-44 TIWCD Reconfig (CAN Const)	$ 1.4 Million	85% complete
▪ C-44 Site Prep Phase I (Overland)	$ 0.5 Million	99% complete
▪ C-44 Site Prep Phase II (Running W)	$ 4.3 Million	29% complete
▪ Picayune - Demolition (Cross)	$ 1.5 Million	100% complete
▪ Picayune – Prairie Canal (Globetec)	$ 2.4 Million	100% complete
▪ Picayune – Road Removal (AEM)	$ 3.9 Million	77% complete
▪ EAA Reservoir – GMP#1 (BPJV)	$ 53.7Million	61% complete
▪ EAA Reservoir – GMP#2 (BPJV)	$ 112.7Million	7% complete
▪ EAA Reservoir – GMP#3 (BPJV)	$ 95.9Million	0% complete

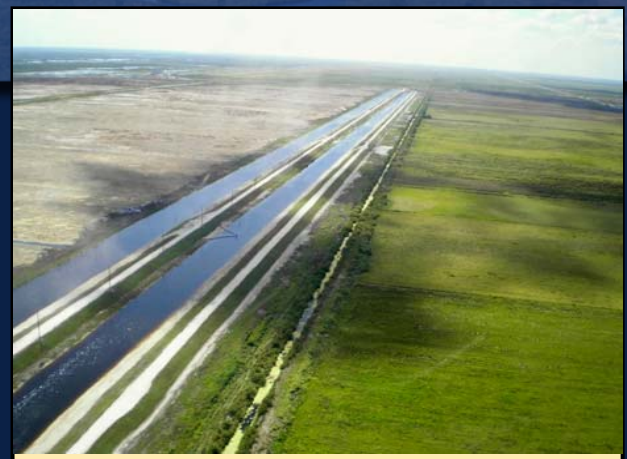
STA 2 Cell 4 Expansion Project

Contractor: Gulf Group
Consultant CM: Brown & Caldwell
A8 Construction Mngr: Marty Braun

- Design: April 28, 2005 – Oct 4, 2005
- Construction Start: Jan 11, 2006
- Flow Capable: Nov 11, 2006
- Final Completion: July 23, 2007
- Construction Contract: $ 18.7 Million

Percent complete ($): 94%
Percent complete (days): 84%

Settled 2 claims within allowance amount



WORK THIS PERIOD

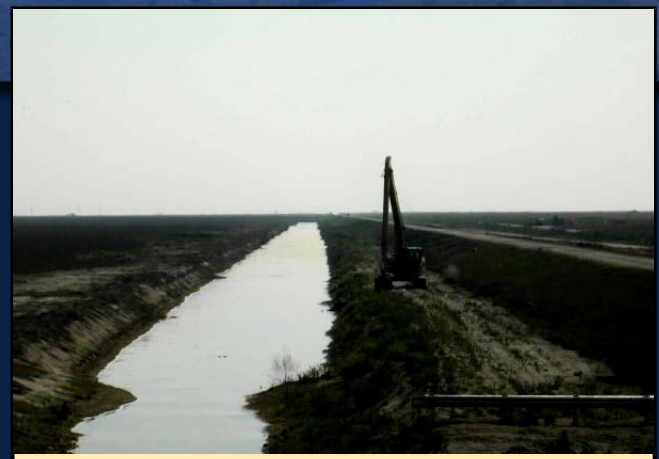
- Electrical service completed on north end of Cell
- Continued maintenance of slopes
- Bulkhead leak detection testing

STA 5 Flow-way 3 Expansion Project

Contractor: Interlaken
Consultant CM: URS
A8 Construction Mngr: Miguel Cruz

- Design: Feb 7, 2005 – Oct 28, 2005
- Construction Start: Jan 19, 2006
- Flow Capable: Nov 21, 2006
- Final Completion: May 25, 2007
  (30 day extension for FPL coord)
- Construction Contract: $ 12.9 Million

Percent complete ($): 98%
Percent complete (days): 95%



WORK THIS PERIOD

- Issued Substantial Completion II
- Completed electrical installation
- Majority of punchlist items completed

STA 6 Section 2 Expansion Project

Contractor: Harry Pepper & Assoc.
Consultant CM: URS
A8 Construction Mngr: Miguel Cruz

- Design: Jan 24, 2005 – Dec 1, 2005
- Construction Start: Feb 7, 2006
- Flow Capable: Dec 11, 2006
- Final Completion: July 19, 2007
- Construction Contract: $ 23.4 Million

Percent Complete ($): 92%
Percent Complete (days): 84%

WORK THIS PERIOD

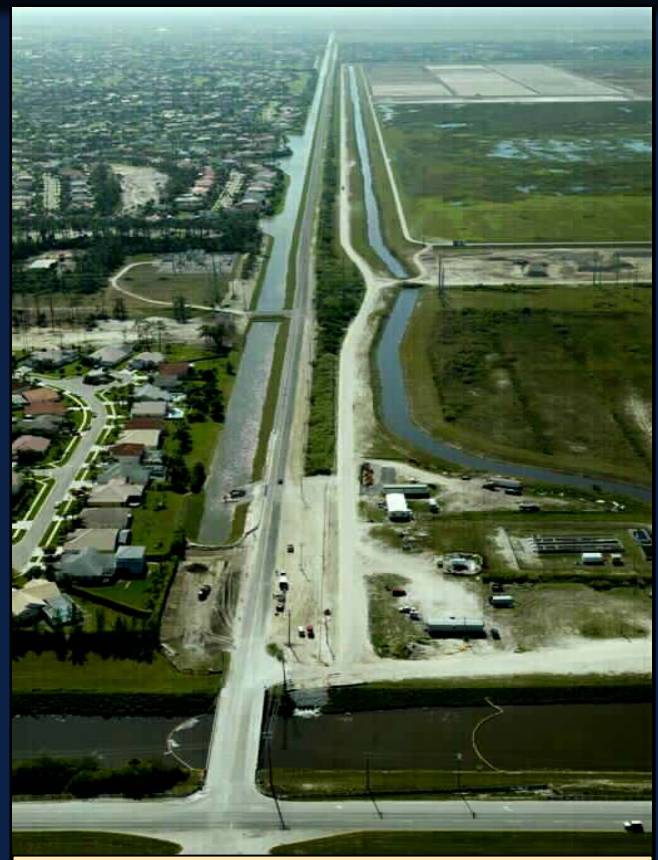
- Completed all earth & concrete work
- Extension to contract provided to support electrical design revisions
- L-3 bridge nearly completed

Acme Basin B Discharge, C-1 and PS-7

Contractor: Harry Pepper & Assoc
Consultant CM: Arcadis
A8 Construction Mngr: Rich Bartlett

- Construction Start: July 7, 2006
- Substantial Comp. I: Dec 20, 2006
- Terminated Feb 20, 2007
- Construction Completed (closeout costs under negotiation)

Project Terminated



Project Terminated on 2/20/07
Close-out documentation in review

C-43 West Storage Reservoir Test Cell Pilot Project

Contractor: Barnard Construction
Consultant CM: Stanley
A8 Construction Mngr: Bruce Phillips

- Construction Start: January 16, 2006
- Substantial Compl I: June 14, 2006
- Final Completion: April 16, 2007
- Construction Contract: $10.2 Million
- Closeout Change Order: ($ 0.2 Million)

Total: $10.0 Million

Percent Complete ($): 100%
Percent Complete (days): 100%

Closeout paperwork in process

WORK THIS PERIOD

- Contract close-out in process

C-44 Reservoir Test Cell Pilot Project

Contractor: Barnard Construction
Consultant CM: HDR
A8 Construction Mngr: Bruce Phillips

- Construction Start: Feb 16, 2006
- Final Completion: July 7, 2007
- Construction Contract: $ 9.0 Million
- Change Orders: $ 0.05 Million

Total: $ 9.05 Million

Percent Complete ($): 99%
Percent Complete (days): 87%

- Major Issues To Date: None

WORK THIS PERIOD

- Monitoring test cell instrumentation
- Overwash test performed Feb 07

C-44 TIWCD Temporary Reconfiguration

Contractor: C.A.N. Construction
Consultant CM: HDR
A8 Construction Mngr: Bruce Phillips

- Construction Start: October 30, 2006
- Final Completion: March 1, 2007
- Construction Contract: $ 0.89 Million
- Change Orders: $ 0.58 Million

Total: $ 1.4 Million

Percent Complete ($): 85%
Percent Complete (days): 86%

WORK THIS PERIOD

- Bridge removal and culvert placement underway, to be completed by 5/9/07

C-44 Site Preparation – Phase I

Contractor: Overland Construction
Consultant CM: HDR
A8 Construction Mngr: Bruce Phillips

- Construction Start: January 9, 2007
- Final Completion: March 15, 2007
- Construction Contract: $ 0.51 Million
- Change Orders: $ 0

Total: $ 0.51 Million

Percent Complete ($): 99%
Percent Complete (days): 89%

WORK THIS PERIOD

- Completed additional discing in Parcel 1
- Continuing discing in Parcel 2
- All clearing completed

C-44 Site Preparation – Phase II

Contractor: Running W Citrus
Consultant CM: HDR
A8 Construction Mngr: Bruce Phillips

- Construction Start: March 5, 2007
- Final Completion: Oct 11, 2007
- Construction Contract: $ 4.28 Million
- Change Orders: $ 0

Total: $ 4.28 Million

Percent Complete ($): 29%
Percent Complete (days): 27%

WORK THIS PERIOD

- Clearing continues on 10,000 acres
- 1,600 acres cleared to date.

Picayune Strand – Demolition

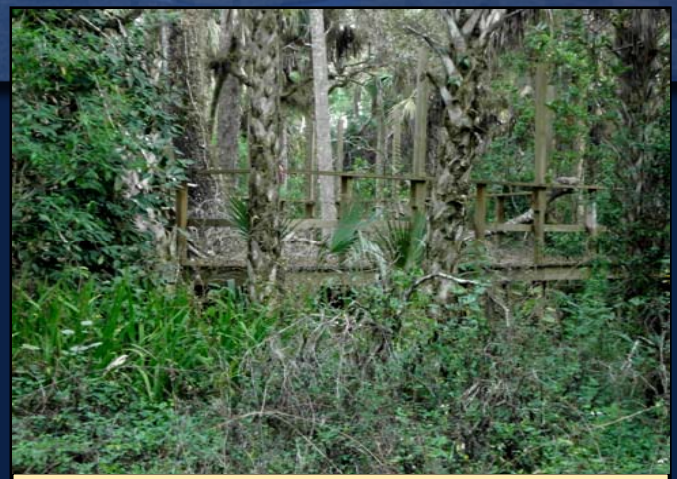
Contractor: Cross Construction
Consultant CM: n/a
A8 Construction Mngr: Brian Davidson

- Construction Start: July 6, 2006
- Final Completion: April 1, 2007
- Construction Contract: $ 1.47 Million
- Change Orders: ($ 15 K)

Total: $ 1.47 Million

Percent Complete ($): 100%
Percent Complete (days): 99%

- Contract closeout in progress



WORK THIS PERIOD

- All original contract work completed
- Additional wells, septics and demo completed

Picayune Strand – Prairie Canal Backfilling

Contractor: GlobeTec
Consultant CM: n/a
A8 Construction Mngr: Brian Davidson

- Construction Start: August 14, 2006
- Substantial Compl I: May 11, 2007
- Final Completion: June 10, 2007
- Construction Contract: $ 2.18 Million
- Change Orders: ($ 24 K)

Total: $ 2.18 Million

Percent Complete ($): 100%
Percent Complete (days): 85%

Closeout documents being processed

WORK THIS PERIOD

- Punch list completed
- Contract close-out in process

Picayune Strand – Road Removal

Contractor: American Earth Movers
Consultant CM: Parsons
A8 Construction Mngr: Brian Davidson

- Construction Start: October 26, 2006
- Final Completion: July 23, 2007
- Construction Contract: $ 3.9 Million
- Change Orders: $ 0.24 Million
  Total: $ 3.9 Million

Percent Complete ($): 77%
Percent Complete (days): 70%

- Additional clearing and grubbing

WORK THIS PERIOD

- Road degrading completed and punchlist closed
- Reviewing final clearing & grubbing limits

EAA Reservoir A-1 – Seepage Canal Construction

Contractor: Barnard-Parson JV
Consultant CM: Parsons
A8 Construction Mngr: Will Wing

- Construction Start: August 24, 2006
- Final Completion: Sept. 17, 2007
- GMP#1 Contract: $ 53.7 Million
- GMP#2 Contract: $ 112.7 Million
- GMP#3 Contract: $ 95.9 Million

Total: $ 262.3 Million

Percent Complete (GMP#1 $): 61%
Percent Complete(GMP#1days): 63%

WORK THIS PERIOD

- Clearing started in quarry area (GMP#2)
- Office complex completed
- Production blasting in quarry starts 5/07
- Continued canal construction (GMP#3) to start 5/07

Upcoming Project Activities June – August 2007

- **Biscayne Bay**
  - **Intermediate Design for Deering Estate and L31E Culverts**
- **C-111 Spreader Canal**
  - **Site Selection for Loveland Slough Water Quality Feature**
- **C-43 Reservoir**
  - **Award and start Reservoir Site Clearing Contract**
  - **Intermediate Design for Reservoir**
  - **Complete Water Quality Monitoring of Test Cells**

Upcoming Project Activities June – August 2007

- C-44 Reservoir
  - Bidding & Award of Final Troop Indiantown Temporary Reconfiguration
  - Request for Proposal for Construction Bid on Project
- EAA Reservoir
  - Complete Guarantee Maximum Price #1 (3 miles of seepage canal, de-mucking of entire embankment length, full mobilization of contractor)
  - Complete Final Design of Earthworks
  - Continue Guarantee Maximum Price #2 (rock crushing) activities
  - Continue Guarantee Maximum Price #3 (remaining seepage canal) activities
  - Completed negotiations of Guarantee Maximum Price #4 (embankment construction) and #5 (pump station equipment)
  - Intermediate Design of Pump Station and Structures

Upcoming Project Activities
June – August 2007

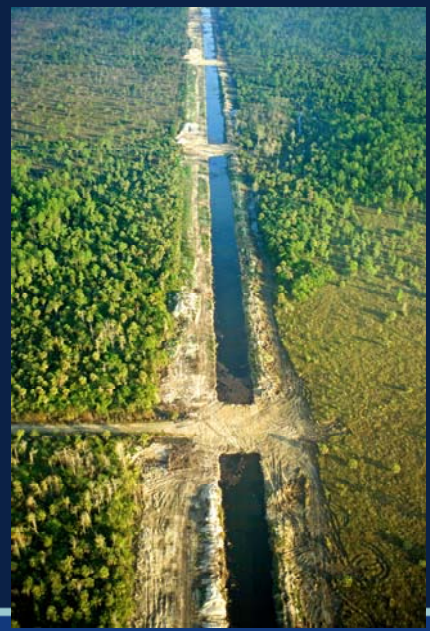
- **Picayune Strand**
  - **Complete Removal of 70 miles of Roads**
  - **Complete Berm Removal**
  - **Bidding of Additional Road Removal work**
  - **Pre-final Design of Merritt Pump Station**
- **Compartment B STA Build-out**
  - **Basis of Design Report Development**

Upcoming Project Activities
June – August 2007

- **Compartment C STA Build-out**
  - **Basis of Design Report Development**
  - **Critical Criteria Meeting Workshop**
  - **Watershed Study**
- **ECART**
  - **Bolles Canal Basis of Design Report**
  - **Evaluation of Potential Land Requirements for Canal Expansion**

Upcoming Project Activities
June – August 2007

- **Acme**
  - **Start Construction of Pump Station #7 by Village of Wellington**
- **Broward County Water Preserve Areas**
  - **Finalization of Basis of Design Report**
- **LOFT**
  - **Preliminary Design of Lakeside Storm Treatment Area**

Panther Kittens Found at Picayune Strand

DISCUSSION/QUESTIONS