



Everglades Restoration Update

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sfwmd.gov





Restoration Construction Update

March, 2007





In Construction: \$151.1 Million

▪ STA 2 Expansion (Gulf Group)	\$ 18.7 Million	90 % complete
▪ STA 5 Expansion (Interlaken)	\$ 12.9 Million	95 % complete
▪ STA 6 Expansion (Harry Pepper)	\$ 23.4 Million	84 % complete
▪ Acme Basin B (Harry Pepper)	\$ 13.3 Million	35 % complete
▪ C-43 Test Cells (Barnard)	\$ 10.2 Million	99 % complete
▪ C-44 Test Cells (Barnard)	\$ 9.0 Million	99 % complete
▪ C-44 TIWCD Reconfig (CAN Const)	\$ 1.2 Million	91 % complete
▪ C-44 Site Prep Phase I (Overland)	\$ 0.5 Million	90 % complete
▪ Picayune - Demolition (Cross)	\$ 1.5 Million	86 % complete
▪ Picayune – Prairie Canal (Globetec)	\$ 2.4 Million	97 % complete
▪ Picayune – Road Removal (AEM)	\$ 3.9 Million	82 % complete
▪ EAA Reservoir – GMP#1 (BPJV)	\$ 53.7 Million	49 % complete
▪ Manatee Barrier (LJ Clark)	\$ 0.4 Million	100% complete

Upcoming Projects

EAA Reservoir – GMP#2 (BPJV)	\$ 109 Million
C-44 Site Prep Phase II (Running W Citrus)	\$ 4.3 Million



STA 2 Cell 4 Expansion Project

Contractor: Gulf Group

Consultant CM: Brown & Caldwell

Field Supervisor, Sr.: 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 (\$): 90%

Percent complete (days): 74%



WORK THIS PERIOD

- Apply muck to finished levee slopes
- 7 of 8 control buildings set
- Power poles set along south levee





STA 5 Flow-way 3 Expansion Project

Contractor: *Interlaken*

Consultant CM: *URS*

A8 Construction Mgr: *Miguel Cruz*

- Design: Feb 7, 2005 – Oct 28, 2005
- Construction Start: Jan 19, 2006
- Flow Capable: Nov 21, 2006
- Final Completion: Apr 25, 2007
- Construction Contract: \$ 12.9 Million

Percent complete (\$): 97%

Percent complete (days): 87%



WORK THIS PERIOD

- Finishing final dress work on levees
- FPL completing power pole installation
- Cells 3A and B completed, ready to fill





STA 6 Section 2 Expansion Project

Contractor: Harry Pepper & Assoc.
Consultant CM: URS
A8 Construction Mgr: 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 (\$): 83%

Percent Complete (days): 73%



WORK THIS PERIOD

- All structure concrete work completed
- Continuing L-3 Levee Bridge construction
- Electrical pull boxes installed along levees





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

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

- Construction Start: July 7, 2006
- Substantial Comp. I: Dec 20, 2006
- Final Completion: June 7, 2007
- Construction Contract: \$ 13.3 Million

Percent Complete (\$): 35%

Percent Complete (days): 70%



WORK THIS PERIOD

- All canal work completed
- All temporary pump work completed
- Contract terminated



C-43 West Storage Reservoir Test Cell Pilot Project

Contractor: *Barnard Construction*
Consultant CM: *Stanley*
A8 Construction Mgr: *Bruce Phillips*

- Construction Start: January 16, 2006
 - Substantial Compl I: June 14, 2006
 - Final Completion: April 16, 2007
 - Construction Contract: \$10.2 Million
 - Change Orders \$152 K
- Total: \$10.2 Million

Percent Complete (\$): 99%

Percent Complete (days): 90%



WORK THIS PERIOD

- Monitoring test cell instrumentation until April 07
- Overwash test performed during December 2006





C-44 Reservoir Test Cell Pilot Project

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

- Construction Start: Feb 16, 2006
- Final Completion: July 7, 2007
- Construction Contract: \$ 9.0 Million
- Change Orders: \$ 0.0
Total: \$ 9.0 Million

Percent Complete (\$): 99%

Percent Complete (days): 75%



WORK THIS PERIOD

- Monitoring test cell instrumentation
- Seepage canal drawdown test
Initiated at the end of November until
End of December
- Overwash test performed Feb 07





C-44 TIWCD Temporary Reconfiguration

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

- Construction Start: October 30, 2006
- Final Completion: March 1, 2007
- Construction Contract: \$ 0.89 Million
- Change Orders: \$ 0.34 Million
Total: \$ 1.2 Million

Percent Complete (\$): 91%

Percent Complete (days): 95%



WORK THIS PERIOD

- Substantially completed all five sites
- Commenced test pumping
- Substantial Completion #1 on 2/23/07





C-44 Site Preparation – Phase I

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

- Construction Start: January 9, 2006
- Final Completion: March 15, 2007
- Construction Contract: \$ 0.51 Million
- Change Orders: \$ 0
 Total: \$ 0.51 Million

Percent Complete (\$): 90%

Percent Complete (days): 43%



WORK THIS PERIOD

- Completed clearing activities
- Substantial Completion #1 12 days ahead
- Commenced discing of Parcel 1





Picayune Strand – Demolition

Contractor: Cross Construction
Consultant CM: n/a
A8 Construction Mgr: 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 (\$): 86%

Percent Complete (days): 74%



WORK THIS PERIOD

- All original contract work completed
- Change order issued for additional demo
- Substantial Completion 1 in March 2007





Picayune Strand – Prairie Canal Backfilling

Contractor: GlobeTec

Consultant CM: n/a

A8 Construction Mgr: 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: (\$ 12 K)
Total: \$ 2.18 Million

Percent Complete (\$): 97%

Percent Complete (days): 65%



WORK THIS PERIOD

- All work has been completed
- Notice of Substantial Completion issued
- Punch list completed



Picayune Strand – Road Removal

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

- Construction Start: October 26, 2006
- Final Completion: July 23, 2007
- Construction Contract: \$ 3.9 Million
- Change Orders: \$ 0
 Total: \$ 3.9 Million

Percent Complete (\$): 82%

Percent Complete (days): 49%



WORK THIS PERIOD

- Nearly completed all clearing & grubbing
- Approximately half of 65 miles of road degraded





EAA Reservoir A-1 – Seepage Canal Construction

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

- Construction Start: August 24, 2006
- Final Completion: Sept. 17, 2007
- Construction Contract: \$ 53.7 Million
- Change Orders: \$ 0
 Total: \$ 53.7 Million

Percent Complete (\$): 49%
 Percent Complete (days): 48%
 Seepage Canal: 90% complete

- Major Issues To Date:
 - Excellent progress to-date
 - Extended GMP#1
 - Advance on GMP#2



WORK THIS PERIOD

- North Yard office complex completed
- Seepage Canal 90% complete
- Blasting to be completed in early March
- Additional clearing & muck removal added



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EAA A1 Reservoir Construction- Benefits to Local Economy

- 114 hourly project employees hired to date,
 - 82 have been from Florida, (72%)
 - 33 from the tri-cities area, (29%)
 - 9 from Clewiston (7%)
 - 22 from within the SFWMD region. (19%)
 - **Over \$1,000,000 has been put directly into local households**
- To date over \$4,388,000 has been spent in Florida on subcontractors and for direct project purchases.
 - Over 71% of total project dollars for sub-contractors & materials.
 - This includes approximately \$824,900 in the Tri-Cities area,
 - \$127,100 in the Clewiston area, and
 - \$2,121,000 in District counties alone.



Upcoming Project Activities April - June 2007

- **Biscayne Bay**
 - **Intermediate Design for Deering Estate, Cutler Flowway and L31E Culverts**
 - **Land Acquisition for Cutler Flowway**
 - **Coordination with Miami-Dade Reuse Program**
- **C-111 Spreader Canal**
 - **Preliminary Design for Frog Pond Infiltration Basin**
 - **Site Selection for Loveland Slough Water Quality Feature**
- **C-43 Reservoir**
 - **Intermediate Design for Reservoir**
 - **Bidding of Reservoir Site Clearing Contract**
 - **Complete water Quality Monitoring of Test Cells**



Upcoming Project Activities April – June 2007 (continued)

- **C-44 Reservoir**
 - Complete Pre-final Design of Reservoir and STA
 - Request for Proposal for Construction Bid on Project
 - Complete Site Clearing Contract Work
 - Complete Indiantown Drainage District Construction Work
- **EAA Reservoir**
 - Complete GMP #1 (3 miles of seepage canal, de-mucking of entire embankment length, full mobilization of contractor)
 - Complete final design of earthworks
 - Complete negotiations of GMP #2 (rock crushing) #3 (remaining seepage canal) #4 (embankment construction)
 - Intermediate design of pump station and structures



Upcoming Project Activities April – June 2007 (continued)

- **Picayune Strand**
 - **Pre-final design of Merritt Pump Station**
 - **Remediation of Site Work**
 - **Prairie Canal Plugging and Berm Removal**
 - **Removal of 70 Miles of Roads**
 - **Final Design of Remaining Road Removal**
- **Compartment B STA Buildout**
 - **Basis of Design Report Development**
 - **Critical Criteria Meeting Workshop**



Upcoming Project Activities April – June 2007 (continued)

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



Upcoming Project Activities April – June 2007 (continued)

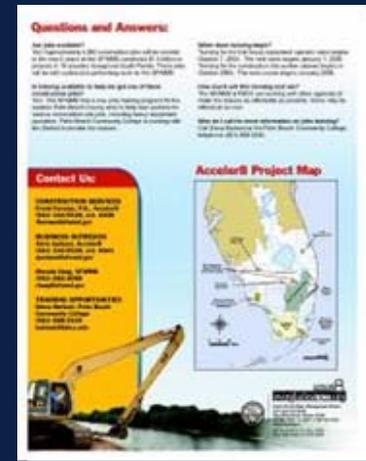
- **Site 1**
 - **Finalization of Basis of Design Report**
- **Acme**
 - **Construction of Pump Station #7 by Village of Wellington**
 - **Intermediate Design for Section 24 Pump Station and Impoundment**
- **Broward County WPA**
 - **Finalization of Basis of Design Report**
- **LOFT**
 - **Finalization of Basis of Design Report**
 - **Preliminary Design of Lakeside STA**
 - **Finalization of Taylor Creek Reservoir Test Cell Design**



Economic & Job Impacts To-date...

Contracted \$508M in construction work

- **C-44 Test Cells (Martin/St. Lucie County region)**
 - 53.5% in local expenditures - 42 local businesses
 - 20 new jobs
- **C-43 Test Cells (Hendry County region)**
 - 29.3% in local expenditures - 33 local businesses
 - 55 new jobs
- **Compartment B -- STA-2, Cell 4**
 - 21.6% in local expenditures - 19 local businesses
 - 19 new jobs
- **EAA Reservoir – Estimating 650 direct jobs**
 - \$500,000 in expenditures in Tri-cities area
 - 89 new jobs





Requested Appropriations Bill Provisions

- Authorize the Secretary of the Army to credit the non-Federal sponsor for construction expenditures incurred prior to signing a project cooperation agreement
- Authorize “902 Fixes” for projects conditionally authorized in WRDA-2000
- Authorize Corps to initiate construction on Site 1 Impoundment and Picayune Strand Restoration projects using funds appropriated in FY2007 for the Central and Southern Florida Project
- Authorize an increase in the Federal spending cap for Critical Restoration Projects from \$75 million to \$95 million
- Authorize the Secretary to carry-over credits between Agreements with the South Florida Water Management District



Barn Owl





DISCUSSION/QUESTIONS

