

CENTRAL EVERGLADES PLANNING PROJECT



Governing Board Update

PRESENTED BY

Tom Teets,
Everglades Policy and
Coordination

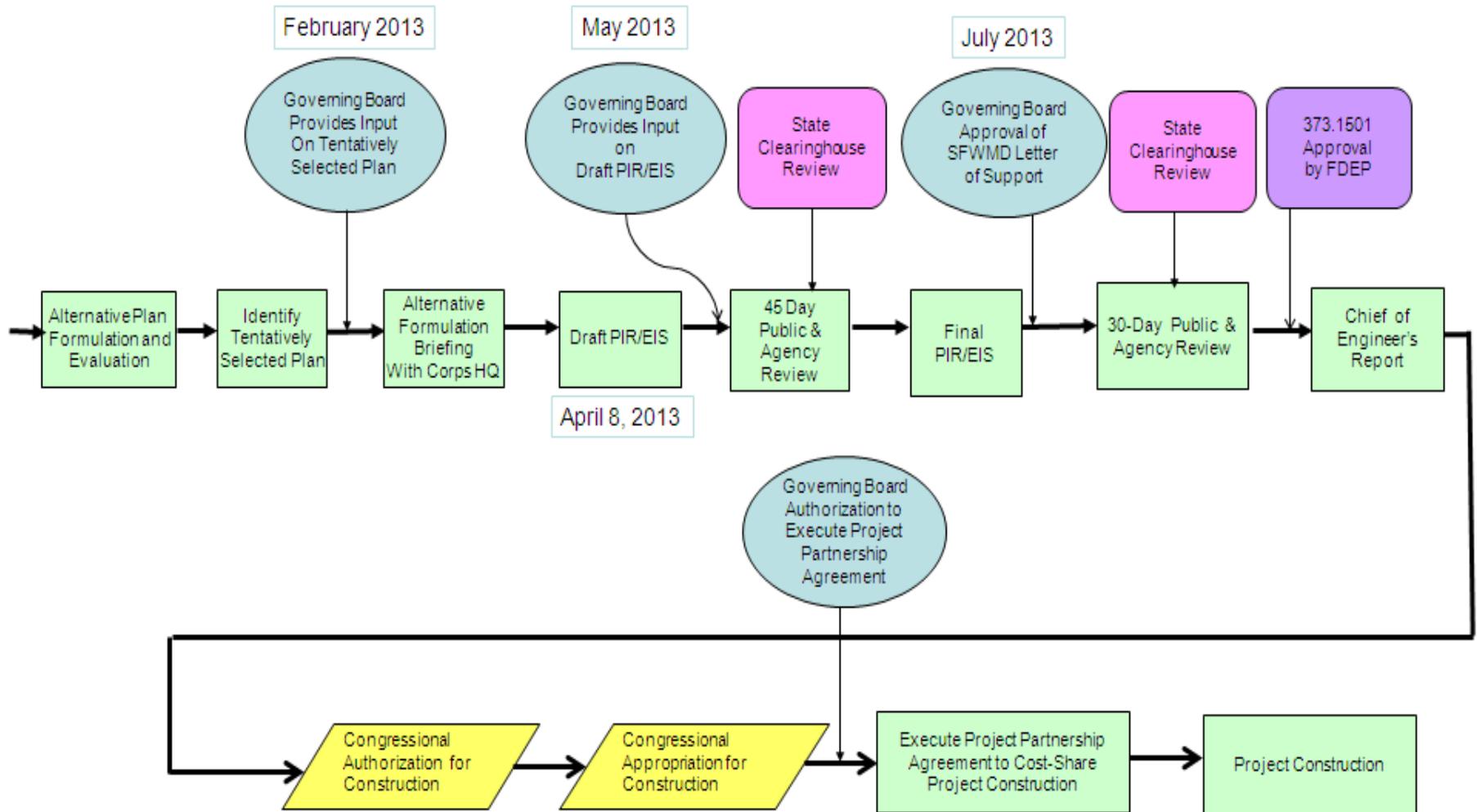
South Florida Water
Management District

February 14, 2013

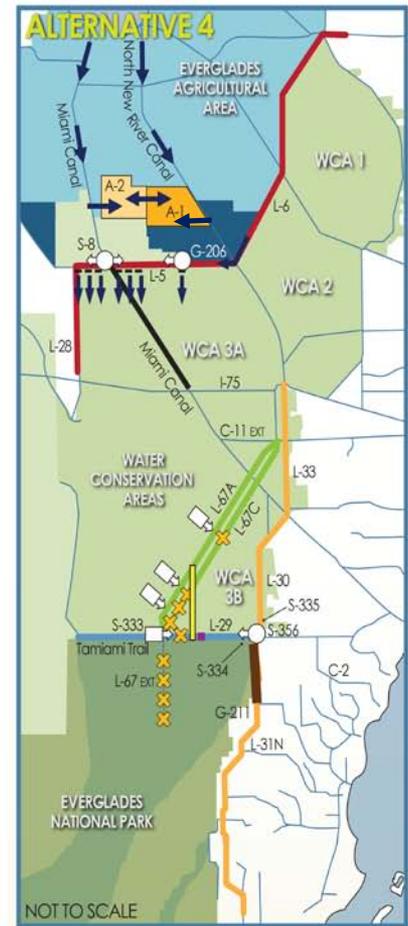
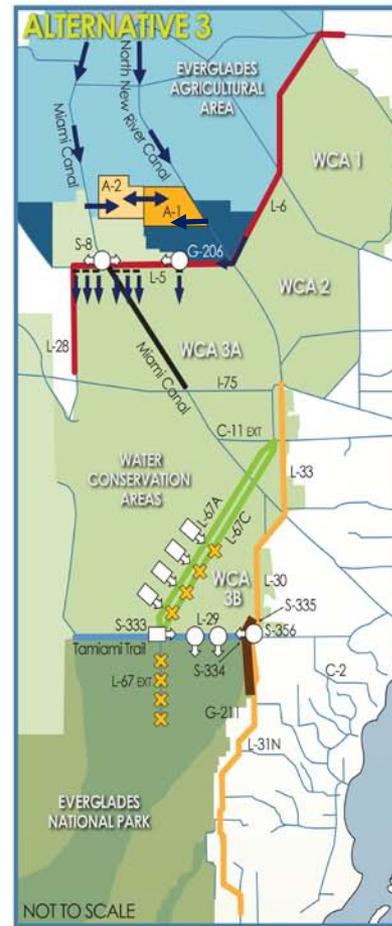
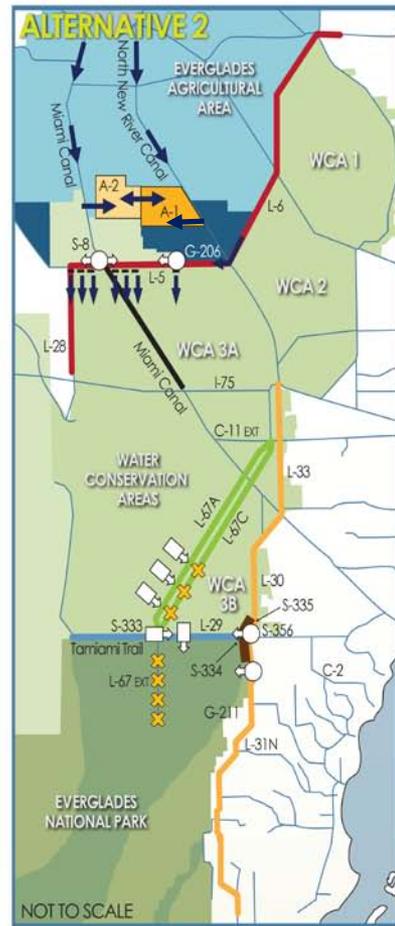
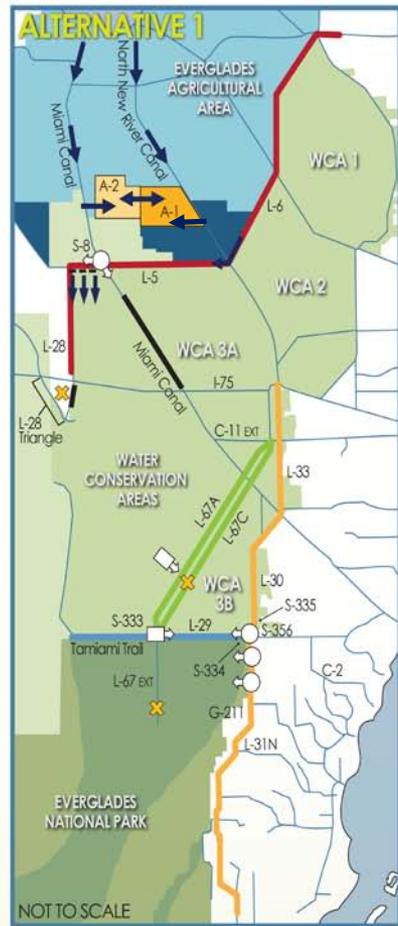
OUTLINE OF PRESENTATION

- SFWMD/ State Input and Decision Points
- Comparison of Alternatives
- Tentatively Selected Plan
- Next Steps

SFWMD/ STATE INPUT AND DECISION POINTS DURING CORPS PROJECT IMPLEMENTATION PROCESS



CEPP FINAL ARRAY OF ALTERNATIVES



\$1.0B

\$295/Habitat Unit

Cost Effective

\$1.16B

\$367/Habitat Unit

\$1.21B

\$354/Habitat Unit

\$1.13 B

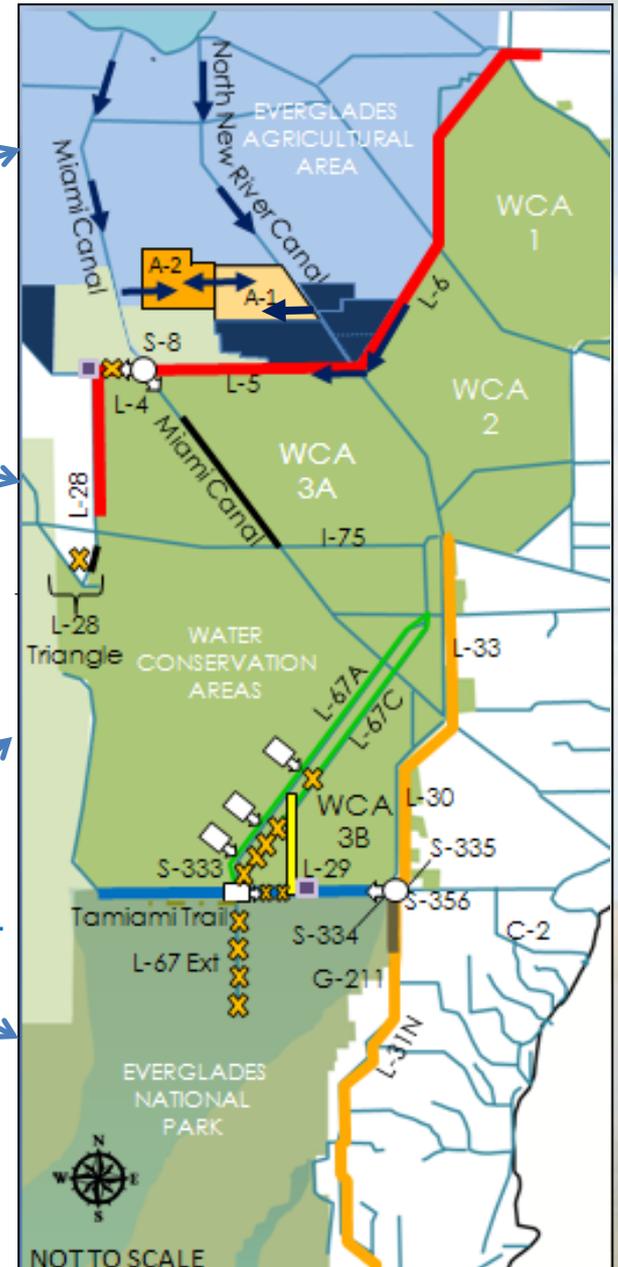
\$308/Habitat Unit

Cost Effective

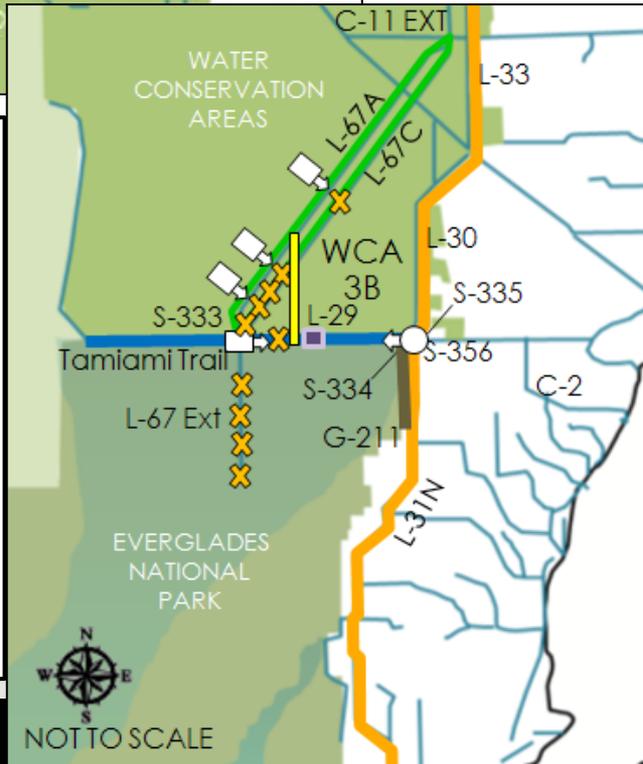
TENTATIVELY SELECTED PLAN



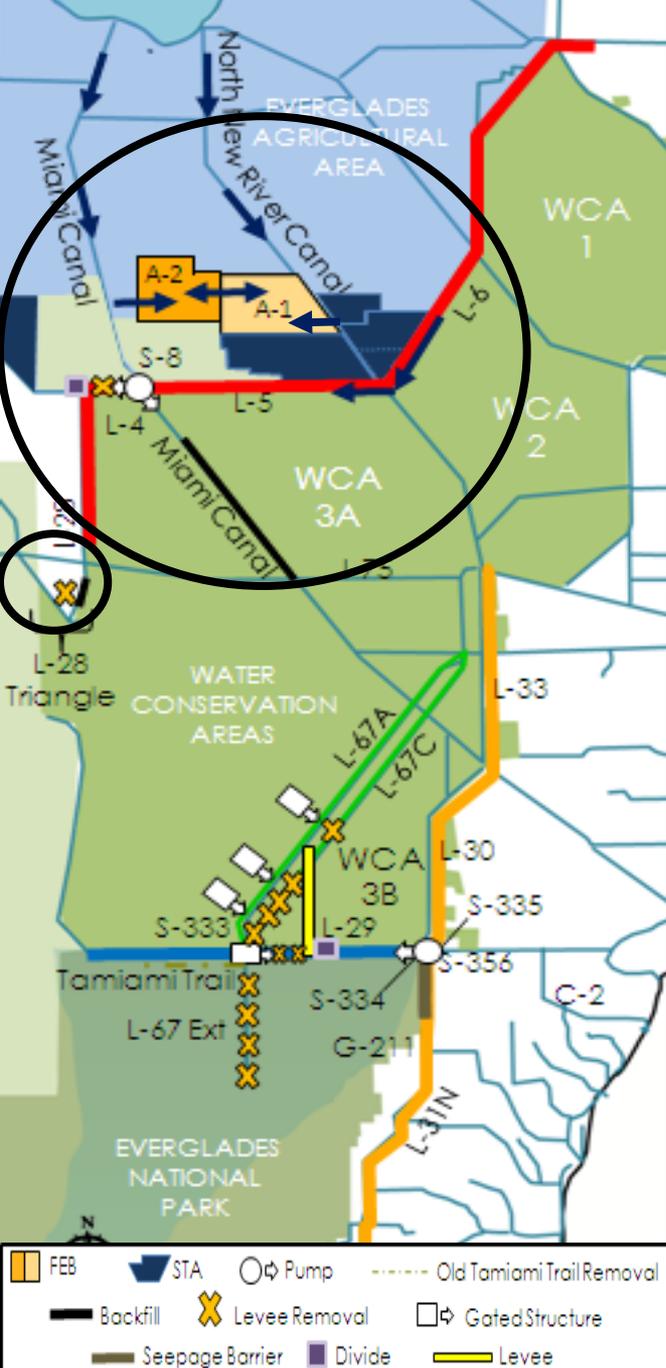
ALT. 1



ALT. 4



- FEB
- STA
- Pump
- Gated Structure
- Levee
- Backfill
- Seepage Barrier
- Divide
- Levee Removal
- Old Tamiami Trail Removal



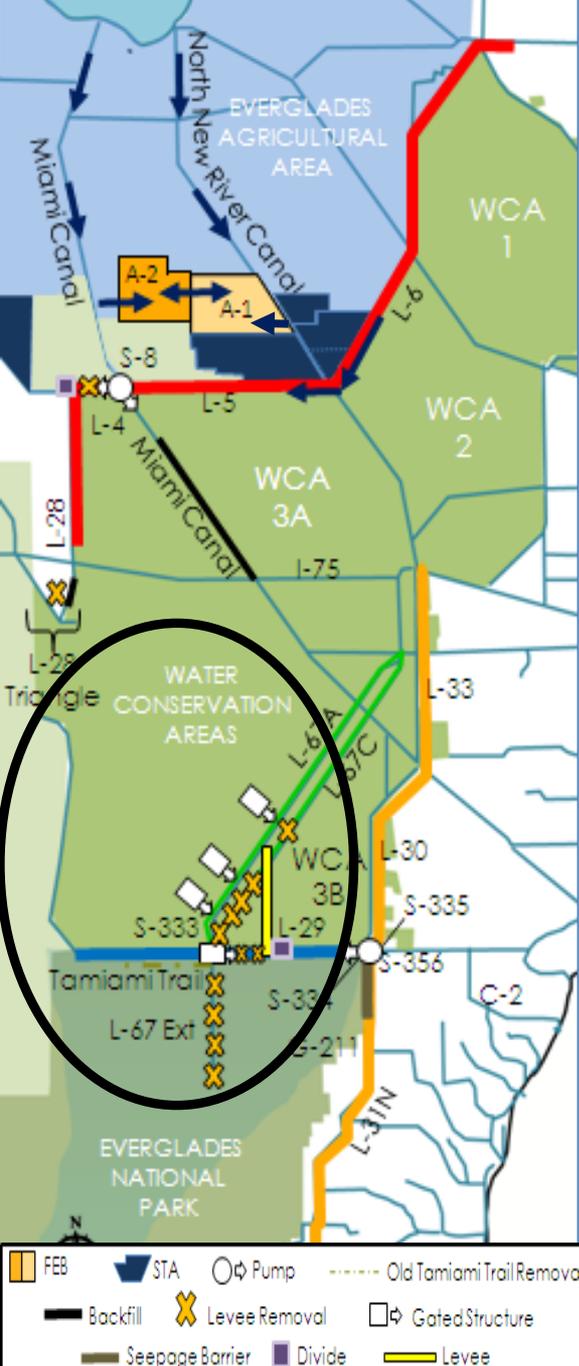
STORAGE and TREATMENT

- Construct A-2 FEB and integrate with A-1 FEB operations
- Lake Okeechobee operation refinements within LORS

DISTRIBUTION/ CONVEYANCE

- Diversion of L-6 flows, Infrastructure and L-5 canal improvements
- Remove western ~2.9 miles of L-4 levee (west of S-8 3,000 cfs capacity)
- Divide structure at western terminus of L-4 levee removal
- Backfill Miami Canal and Spoil Mound Removal ~1.5 miles south of S-8 to I-75
- L-28 Triangle – levee gap and canal backfill (~ 9,000 LF)

DISTRIBUTION/ CONVEYANCE

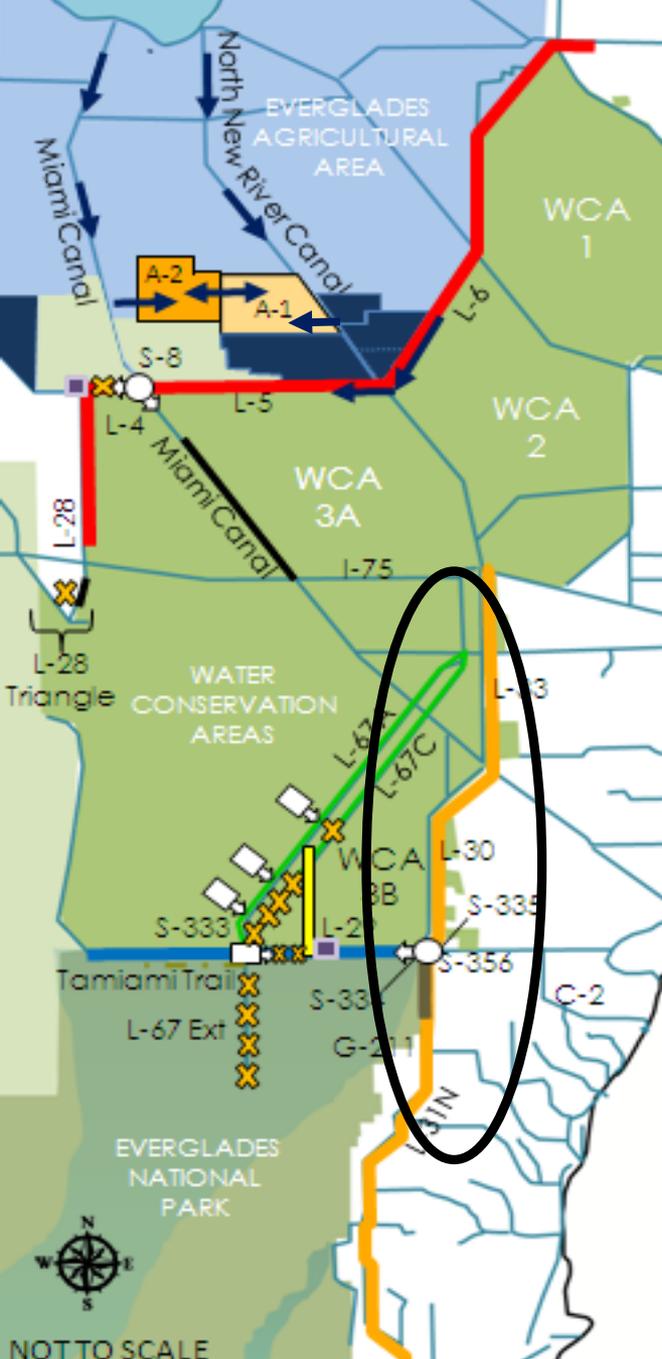


- Increase S-333 capacity to 2,500 cfs
- Two 500 cfs gated structures in L-67A, 0.5 mile spoil removal west of L-67A canal north and south of structures
- Construct ~8.5 mile levee in WCA 3B, connecting L-67A to L-29
- Remove ~8 miles of L-67C levee in Blue Shanty flowway (no canal back fill)
- One 500 cfs gated structure north of Blue Shanty levee and 6,000-ft gap in L-67C levee
- Remove ~4.3 miles of L-29 levee in Blue Shanty flowway, divide structure east of Blue Shanty levee at terminus of western bridge
- Tamiami Trail western 2.6 mile bridge and L-29 canal max stage at 9.7 ft (FUTURE WORK BY OTHERS)
- Remove entire 5.5 miles L-67 Extension levee, backfill L-67 Extension canal
- Remove ~6 mile Old Tamiami Trail road (from L-67 Ext to Tram Rd).

SEEPAGE MANAGEMENT

- Increase S-356 pump station to ~1,000 cfs
- Partial depth seepage barrier south of Tamiami Trail (along L-31N)
- G-211 operational refinements; use coastal canals to convey seepage

Note: System wide operational changes and adaptive management considerations will be included in project



FEB	STA	Pump	Old Tamiami Trail Removal
Backfill	Levee Removal	Gated Structure	
Seepage Barrier	Divide	Levee	

TENTATIVELY SELECTED PLAN: ALTERNATIVE 4R (REVISED)

- **Alternative 4 revised to incorporate Hydropattern Restoration Feature of Alternative 1**
 - ▶ Provides the greatest overall benefits with the least cost per habitat unit
 - ▶ Provides the greatest ecological connectivity and longest uninterrupted flow-way via the removal of the L-29 Levee
 - ▶ Provides the greatest benefits to Everglades National Park and Florida Bay
- **Operational refinement of inflows into WCA 3B outside Blue Shanty flow-way**
 - ▶ Maximizes benefits in WCA 3B with no additional cost
 - ▶ Address concerns about extent of seepage reduction
- **Seepage infrastructure and operations refinement**
 - ▶ Shift Blue Shanty levee east to coincide with bridge span opening and landscape patterns
 - ▶ Modify seepage barrier south of Tamiami Trail due to greater than desired reduction in seepage
 - ▶ Optimize operations and design during saving clause analyses and value engineering
- **Implementation will utilize adaptive management approach as envisioned in CERP**
 - ▶ Incrementally sequence construction of project features

NEXT STEPS

- Implementation and Sequencing Strategy
 - ▶ Working Group Sponsored Public Workshop
 - Held February 13th – SFWMD Auditorium
- Savings Clause/Project Assurances Analysis
- Draft Preliminary Operating Manual
- Adaptive Management Plan
- Monitoring Plan





THANK YOU

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