

APPENDIX E: COORDINATION MEETINGS

SR 7 CORRIDOR EXTENSION PD&E STUDY

Meeting Minutes

Public Officials / Agency Kick-Off Meeting

July 26, 2005

Present: Beatriz Caicedo-Maddison (FDOT), Gregor Senger (FDOT), Ann Broadwell (FDOT), Steve Moore (EK), Michael Garau (EK), Sandy Scheda (SEA), Wendy Sotera (SEA), Jean Scott (SFLC), Bill Evans (Stanley), Jerry Greenfield (Ibis Civic Committee), Ray Liggins (Village of Royal Palm Beach), Bill Morris (Village of Royal Palm Beach), Bob Fredrick (Ibis Advisory Board), Harold Stern (Ibis Advisory Board), Rich Walesky (ERM), Randy Whitfield (Palm Beach MPO), Loren Shapiro (City of West Palm Beach), Ron Miedema (USEPA), Herb Fleischman (K-F Group), O'Neal Bardin, Jr. (Northern Palm Beach County Improvement District), Ken Rearden (City of West Palm Beach), Anthony Las Casas (Northern Palm Beach County Improvement District), John Wrubble (USFWS), Al Tsalnaris (Baywinds), George Webb (Palm Beach County), Zig Sledz (Palm Beach County Traffic), Mo Al-Turk (Palm Beach County Traffic), Pat Erdman (Ibis), Vinod Sandanasamy (Palm Beach County Planning), Allan Ennis (Palm Beach County Traffic), Representative Susan Bucher (Florida House of Representatives), Steve Carrier (Palm Beach County Roadway), Stuart Tyrrell (Ibis), Ed McClane (Palm Beach County Traffic), Bogdan Piorowski (Palm Beach County Traffic), Kathleen Farrell (Palm Beach County Roadway), Haney Frakes (Palm Beach County Engineering)

A kick-off meeting for public officials and agency representatives was held on July 26, 2005 from 9:30 a.m. to 10:30 a.m. in the second floor conference room at the Palm Beach County Engineering Building. The purpose of the meeting was to introduce the project to local, state and federal representatives and provide a forum for soliciting comments and discussing project issues.

Introduction

Ms. Beatriz Caicedo-Maddison welcomed everyone to the meeting and began by providing a brief project overview of the proposed extension. Ms. Caicedo-Maddison emphasized that the proposed level of documentation for this project is currently an Environmental Assessment (EA) but will be revisited with the Federal Highway Administration (FHWA) once the Class of Action Determination is prepared during the first quarter of 2006. This project is seeking federal funds and must comply with the National Environmental Policy Act (NEPA). Ms. Caicedo-Maddison then introduced the consultant project manager, Mr. Steve Moore, from Edwards and Kelcey.

Project Overview

Mr. Moore provided an overview of the project history, anticipated issues and current status. The project began several years ago with 25 alternative corridors and eventually narrowed down to 8 before the project was postponed. With the project back on track, the efforts made in the past will be utilized to move forward and select a preferred corridor by the end of the year.

Mr. Moore then introduced the environmental task manager, Ms. Sandy Scheda, from Scheda Ecological Associates. Ms. Scheda discussed key environmental issues including potential wetland impacts and mitigation options. Over 90 acres of wetland impacts will result from construction of the Persimmon Boulevard extension project and it is anticipated that another 110 acres could result from extending the County's proposed alignment to Northlake Boulevard. Scheda Ecological is currently in the process of updating and collecting environmental data. No documented contaminated sites are currently on file within the area, but some minor dumping has been noted by the project team and will be evaluated further.

Mr. Moore stressed the importance of everyone in the room serving as a core team to help build community participation and consensus. The public hearing is scheduled in approximately four years and there will be multiple opportunities beforehand for the project stakeholders to reach a consensus. The first public meeting is tentatively scheduled for the end of September.

Mr. Moore introduced Mr. George Webb, County Engineer for Palm Beach County, to discuss on-going and future projects within the area. Mr. Webb began with the Persimmon Boulevard Extension Project. The project connects the acreage area with Okeechobee Boulevard and SR 7. Final design has been completed and the County is currently waiting on permit approval from the U.S. Army Corp of Engineers. Proposed mitigation efforts will involve Section 1 in a land swap deal with the Minto development company. Section 1 will be swapped once Minto's development order is approved, currently scheduled during the month of September or October. A new design project has commenced to extend the limits of the Persimmon Boulevard project up to 60th Street and the M Canal. The Indian Trail Control District prefers for 60th Street to be the main entry into the Acreage.

Mr. Webb then proceeded to discuss the Roebuck Road project. The intent of the project is to provide traffic relief for Okeechobee Boulevard. The project has been advanced forward in the schedule since the volume of traffic on Okeechobee Boulevard has grown faster than anticipated. Okeechobee Boulevard will be ultimately widened to 8 lanes.

Ms. Caicedo-Maddison thanked everyone for their attendance and opened the room for questions or comments.

Question and Answer Session

Question: Mr. Bob Fredrick (Ibis Advisory Board) – Are there any alignments west of the Ibis development?

Answer: Any corridor at this time is still under consideration. The area of interest falls between 110th and the Range Line, which borders both sides of the Ibis development.

Comment: Mr. Ken Rearden (City of West Palm Beach) – The City of West Palm Beach maintains the preserves at Baywinds, Ibis and the water catchment area. Drainage into the preserves will not be allowed. One option is to use a deep well injection system. Another challenge is to get across the M canal. The M canal has a special Act of Legislature controlling it. This may have to be amended to cross the canal.

Question: Mr. Bob Fredrick (Ibis Advisory Board) – Where in this process is traffic considered? Northlake Boulevard will carry traffic from Scripps with two existing signals and a possible third in close proximity to one another.

Answer: The first phase of this project is to establish and document the project need. Traffic projections generated from the future land use will be incorporated into the study. The engineering and environmental analysis will be conducted concurrently during the study.

Question: Mr. Jerry Greenfield (Ibis Civic Committee) – When the farms west of the Mecca site are developed, will that traffic be included into the study?

Answer: The land in question is currently undergoing a zoning change from 1 unit per 10 acres to 1 unit per 1.25 acres. These figures will be considered during the study.

Question: Ms. Ann Broadwell (FDOT) – Who is handling the permitting for Persimmon?

Answer: K-F Group with Jim Schnell.

The meeting adjourned at 10:30 a.m.

**SR 7 CORRIDOR EXTENSION PD&E STUDY
PUBLIC OFFICIALS / AGENCY KICK-OFF MEETING
July 26, 2005**

REGISTRATION SIGN-IN SHEET

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PUBLIC OFFICIALS / AGENCY KICK-OFF MEETING
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Agency Workshop Meeting Summary

On March 29, 2006, an agency workshop was held from 8 a.m. to 12 p.m. at the South Florida Water Management District, 3301 Gun Club Road, West Palm Beach, Florida, 33406. The purpose of the meeting was to provide an update to the permitting agencies and interested groups on the progress of the SR 7 Extension corridor analysis, and to solicit their feedback and opinion of each proposed corridor, including the no-build option. Prior to the workshop, a copy of the Draft Corridor Report was distributed to each invitee for their review. Approximately 36 individuals representing federal, state, and local agencies, environmental interest groups, and local governments attended the workshop.

The workshop was divided into the following sessions:

1. Welcome and Introductions
2. Corridor Analysis Presentation
3. Question and Answer Session
4. Group Activity
5. Group Presentations
6. Meeting Conclusion and Discussion

Welcome and Introductions

Ms. Beatriz Caicedo-Maddison, FDOT Project Manager, welcomed everyone to the meeting, and provided a brief overview of the project and meeting purpose. Ms. Caicedo-Maddison then asked everyone to introduce themselves to the group.

Corridor Analysis Presentation

Following introductions, Ms. Caicedo-Maddison began the corridor analysis presentation by describing the project purpose, location, history, and key milestones. Past project milestones that were highlighted included the following:

- FDOT Notice to Proceed – April 20, 2005;
- AN Package Distributed – June 16, 2005;
- Elected Officials/Agency Kickoff Meeting – July 26, 2005;
- Agency Responses Received – August 18, 2005; and
- Public Kickoff Meeting – September 27, 2005.

The FDOT previously examined the extension of SR 7 during the late 1990s until the project was placed on hold. Twenty-Five corridors were considered during the previous study and were reduced down to eight options following an interagency workshop on February 24, 1999. Following Ms. Caicedo-Maddison's discussion, Mr. Steve Moore, Edwards and Kelcey, then discussed the project need and influences within the study area. Specific mention was made of the proposed residential developments with the potential for an additional 24,000 residential units within the area, and capacity needs within the existing roadway network between Okeechobee Boulevard and Northlake Boulevard. Mr. Moore then introduced Dr. Scot Leftwich

to discuss specific traffic needs within Palm Beach County and the area-wide benefits of extending SR 7 to Northlake Boulevard. Dr. Leftwich highlighted the failing level of service along key roadways near the project area and the importance of extending SR 7.

After Dr. Leftwich's presentation, Mr. Moore presented the build alternatives currently under consideration. Corridor 1 follows Palm Beach County's alignment for its Persimmon Boulevard project and continues north to Northlake Boulevard along the west side of the Ibis Golf and Country Club. Corridor 2 follows the FDOT "rangeline" alignment to Section 1. At Section 1, Corridor 2 turns toward the northwest, across Section 1, and then toward the north along the west side of the Ibis Golf and Country Club. Mr. Moore explained that Corridor 2 has been eliminated due to impacts associated with the County's use of Section 1 for mitigation purposes. Corridor 3 follows the County alignment for Persimmon Boulevard, turns east along the M Canal, and then turns north along the east side of the Ibis Golf and Country Club. Corridor 4 follows the FDOT existing Right-of-Way up to Northlake Boulevard. Mr. Moore then presented the 4- and 6-lane typical sections considered during the corridor analysis. A 185-foot wide corridor was used to assess potential social and environmental impacts. Each corridor was evaluated with respect to the following:

- Wetlands;
- Wildlife and Habitat;
- Contamination;
- Floodplains;
- Water Resources;
- Cultural Resources;
- Section 4(f);
- Right-of-Way Acquisition and Relocation Potential;
- Potential Noise Sensitive Receivers; and
- Area-Wide Network Relief.

Following Mr. Moore's presentation, Ms. Lauren Linares, Scheda Ecological Associates, addressed the potential environmental impacts associated with each corridor in relation to wetlands, threatened and endangered species, contamination, and Section 4(f). Ms. Linares also highlighted the Advance Notification (AN) responses received for the project, which include the following general comments:

- U.S. Fish and Wildlife Service (USFWS): The SR 7 extension from Okeechobee Boulevard to Northlake Boulevard, including the Persimmon connection, should be proposed as a single project;
- Florida Fish and Wildlife Conservation Commission (FWC): Avoid project impacts by expanding and upgrading existing roads through urban areas instead of building a new extension;
- Florida Department of Environmental Protection (FDEP): Current project concurrence depends on resolution of agency issues and concerns; and

- Treasure Coast Regional Planning Council (TCRPC): Analyze alternative corridors and conduct a complete evaluation of environmental impacts.

Ms. Linares highlighted other agency comments with regard to specific environmental concerns. With regard to wetland issues, the following comments were made:

- USFWS: Wetlands provided as mitigation should adequately replace wetland functions lost due to the corridor extension;
- FDEP: The project is directly adjacent to the City of West Palm Beach Water Catchment Area, which serves as the City's single source for potable water; and
- FWC: Project impacts could include direct loss, degradation, and fragmentation of wetland, transitional and upland habitats.

With regard to listed species, the following comments were made:

- USFWS: The project is located within the Core Foraging Area (CFA) of four wood stork colonies. The USFWS recommends any lost foraging habitat be replaced within the CFA of the affected nesting colony; and
- FWC: Numerous wading bird rookeries exist within a 10- to 20-mile radius of the project. Many listed species occur on publicly owned natural areas and the corridor extension would fragment existing wildlife habitat and preserves.

Finally, with regard to contamination, the following comments were made:

- USFWS: A Contamination Screening Evaluation should outline specific procedure in the event drums, wastes, tanks, or potentially contaminated soils are encountered during construction; and
- TCRPC: A new road adjacent to the west side of the Grassy Waters Preserve would increase the potential for contamination of the City of West Palm Beach water supply through fuel spills.

Mr. Moore then summarized the findings of the analysis with the matrix provided below:

Evaluation Factors ¹	Corridor Alternative ²				
	1	2	3	4	No-Build
Direct Wetland Impact (Acres)	12 - 19	53 - 81	39 - 59	73 - 110	0
Floodplain Encroachment (Acre-feet)	8 - 12	52 - 79	33 - 50	75 - 113	0
Length Adjacent to Water Catchment Area (Miles)	0.0	1.8	3.1	6.0	0
Wildlife and Habitat	Low	High	High	High	None
Cultural Resources	Low	Low	Low	Low	None
Potential Section 4(f) ³	3	3	3	3	None
Impacts to Section 1	Borders	Bisects	Borders	Borders	None
Contaminated Sites (within 0.5 miles)	3	4	5	6	0
Right-of-Way Acquisition (Acres) ⁴	160	107	108	2	0
Residential Relocation Potential (No. of Homes)	23 - 61	23 - 61	0	0	0
Noise Sensitive Receivers (within 500 feet of Centerline)	445	360	291	190	0
Area-Wide Network Relief	Positive	Positive	Positive	Positive	Negative
Construction Cost (1 = lowest cost, 5 = highest cost)	2	4	3	5	1
Permitability					
Social Acceptance					

1. The analysis is based on a 185-ft. wide corridor. Impacts associated with the extension of Persimmon Boulevard have already been mitigated for and therefore not included with the results shown in the table.
2. Alternative 2 has been eliminated due to Palm Beach County's mitigation site on Section 1.
3. A Determination of Applicability will be prepared.
4. Additional Right-of-Way may be required for drainage purposes.

Ms. Caicedo-Maddison concluded the presentation by discussing the project schedule and highlighted key future activities planned during the next three months. These activities include the upcoming Public Workshop on May 24, 2006 and submission of the Class of Action Determination to FHWA during the fall of 2006.

Question and Answer Session

Following the presentation, Ms. Caicedo-Maddison opened the floor to any questions or comments.

Mr. Jay Foy, Indian Trail Improvement District, asked how the project would fit into the hurricane evacuation plan if the corridor stops at Northlake Boulevard. Ms. Caicedo-Maddison said the decision to terminate the project at Northlake Boulevard was made by the Palm Beach MPO. In addition, FDOT owns a strip of Right-of-Way between Northlake Boulevard and SR 710. Ms. Caicedo-Maddison emphasized there are no current plans to extend SR 7 beyond Northlake Boulevard until the MPO makes that decision.

Mr. Foy asked about secondary impacts, and whether they had been identified within the matrix shown during the presentation. Mr. Moore responded that the level of analysis performed for the corridor study did not include secondary impacts. As the corridors become better defined, secondary impacts will be identified.

Mr. Foy then asked if impacts associated with the County's Persimmon Boulevard project were taken into account when summarizing the data within the matrix. Mr. Foy also commented that if impacts associated with Persimmon Boulevard were not included, then the results shown within the matrix were biased toward Alternative 1 or 3. Ms. Caicedo-Maddison responded that since the County is expected to receive permits for the project and has identified a mitigation plan, it was not necessary to include those results within the matrix. If the permit is denied, then potential impacts related to Persimmon Boulevard would be reexamined.

Ms. Joanne Davis, representative of 1000 Friends of Florida, asked if the FDOT has the flexibility to move the alignment farther west if the County does not receive its permit from the US Army Corps of Engineers. Ms. Caicedo-Maddison said the FDOT would have that flexibility under those circumstances.

Referring to the AN comments highlighted during the presentation, Ms. Davis commented that the County's effort to construct Persimmon Boulevard ahead of the FDOT project is a case of "permit fragmentation." She said she believed the extension of Persimmon Boulevard and SR 7 should be looked at together. Ms. Davis then asked if the FDOT was going to continue with an approach of "permit fragmentation" by then constructing up to SR 710 after the extension to Northlake Boulevard is complete. Mr. George Webb, Palm Beach County Engineer, responded by stating that the section between Northlake Boulevard and SR 710 has not been identified by the Palm Beach MPO.

Ms. Penny Riccio, Indian Trail Improvement District, asked if there are any federal dollars involved with the project. Ms. Caicedo-Maddison responded that only County funds are being used for the extension of Persimmon Boulevard, and that federal funds will be used for the extension of SR 7 by the FDOT.

Ms. Riccio then stated that US 441 currently turns west off SR 7 and onto SR 80 within Palm Beach County. She asked if the extension of SR 7 would be designated as an alternate to US 441 in order to receive federal dollars. Mr. Moore responded that the federal designation of SR 7 would not have any effect on the availability of federal funds.

Ms. Madelyn Martinez, National Marine Fisheries Services, asked why impacts associated with Persimmon Boulevard were not included within the matrix. Ms. Caicedo-Maddison commented that the proposed footprint of Persimmon Boulevard already has been mitigated for. If the County does not build Persimmon Boulevard, then the FDOT will have to reexamine impacts along the Persimmon Boulevard corridor.

Mr. Ron Miedema, US Environmental Protection Agency, asked if the corridor analysis included potential pond sites. Mr. Moore responded that the current analysis did not, but that pond sites will be considered as alternatives are further developed.

Group Activity

After the question and answer session, agency representatives were divided into five groups. Each group was instructed to discuss Alternatives 1, 3, 4, and the no-build option. To help facilitate the process, each group was given one large easel pad with each alternative and the no-build option listed on each pad. Each person was then given three dots and asked to place one, two, or all three dots next to the alternative of their choice. The option to place one dot on three different alternatives or three dots on one alternative was allowed. At the end of the session, the alternative with the highest number of dots was ranked number one for that group. Each group was also asked to write down any comments on the easel pad next to the corresponding alternative.

The groups consisted of the following individuals:

Group 1:

Ms. Rosa Durando – Audubon Society of the Everglades
Mr. Damon Meiers – South Florida Water Management District
Mr. Ray Liggins – Village of Royal Palm Beach
Mr. Jay Foy – Indian Trail Improvement District

Group 2:

Mr. Ken Rearden – City of West Palm Beach
Ms. Cathy Kendall – Federal Highway Administration
Ms. Makayah Royal – Federal Highway Administration
Ms. Barbara Conmy – South Florida Water Management District

Group 3:

Mr. Brian Yates – Florida State Historic Preservation Office
Ms. Alex Larson – Loxahatchee resident
Mr. Richard Walesky – Palm Beach County
Mr. Hugo Carter – South Florida Water Management District
Mr. John Wrublik – US Fish and Wildlife Service
Mr. Mike Voich – South Florida Water Management District

Group 4:

Ms. Penny Riccio – Indian Trail Improvement District
Mr. Ron Miedema – US Environmental Protection Agency
Ms. Anita Bain – South Florida Water Management District
Mr. Fred Rapach – South Florida Water Management District

Group 5:

Ms. Joanne Davis – 1000 Friends of Florida
Ms. Madelyn Martinez – National Marine Fisheries Service
Ms. Mary Beth Morrison – Solid Waste Authority
Mr. Brian Collins – City of West Palm Beach

Group Presentations

Each group nominated a spokesperson to present the results of their discussion. They were:

- Group 1: Mr. Damon Meiers – South Florida Water Management District
- Group 2: Ms. Cathy Kendall – Federal Highway Administration
- Group 3: Mr. Brian Yates – Florida State Historic Preservation Office
- Group 4: Ms. Anita Bain – South Florida Water Management District
- Group 5: Ms. Joanne Davis – 1000 Friends of Florida

Ms. Anita Bain made the first presentation on behalf of Group 4, and outlined the major issues of concern. Overall, the group felt that the analysis needed to be updated to reflect all impacts, including drainage, residential relocations, and secondary impacts. The group also was concerned with additional roadways if Alternative 4 is implemented. Persimmon Boulevard and/or 60th Street will need to be extended beyond 110th Avenue to connect to SR 7. The group could not agree on an overall ranking, or reach a consensus for a preferred corridor.

Ms. Cathy Kendall presented on behalf of Group 2, and, similar to Group 4, could not endorse an alternative. Alternative 1 was the most preferred alternative due to fewer environmental impacts, and Alternative 4 was the least preferred due to impacts associated with environmentally sensitive areas. The group recommended continuing the analysis, and including impacts beyond the project area (secondary impacts). FHWA representatives within Group 2 expressed concern about the purpose and need for the project, as well as adequate citizen input. Mention was made of an alternative proposed by Mr. Ken Rearden, City of West Palm Beach, to extend SR 7 up to the M Canal and turn west through the Acreage community.

Mr. Brian Yates presented on behalf of Group 3, and summarized the group's opinion of each corridor. The benefit to the no-build option is no permits, no impacts, and no residential displacements. Alternative 1 is best in terms of wetland impacts, requires minimal permitting, builds off of the existing alignment (Persimmon Boulevard), and could require the least amount of funding. The main disadvantage to Alternative 1 is the displacement of residents within the Acreage and Rustic Lakes community. Mr. Yates continued by saying that Alternative 3 and 4 would be more difficult to permit due to their proximity to the Water Catchment Area. The main advantage to Alternative 4 is the efficiency of the straight-line alignment. Group 3 did not endorse any alternative, and suggested that the project team present all corridor options to the public.

Mr. Damon Meiers presented on behalf of Group 1, and began by saying that people should learn to tolerate traffic. The project has the potential to impact bird travel, and put more traffic on Northlake Boulevard. Group 1 also did not reach a consensus, but summarized its findings by saying that Alternative 1 has the least impact on water resources; Alternative 3 balances all evaluation factors; and Alternative 4 eliminates impacts to the Acreage.

Ms. Joanne Davis presented on behalf of Group 5. Group 5 felt that Alternative 1 is the "lesser of evils," but there is concern for the displaced homeowners. This alternative could be

acceptable if the corridor footprint is reduced and a buffer is utilized. Alternative 3 results in fewer impacts to residents, but promotes extending SR 7 through the Loxahatchee Slough and up to SR 710. Ms. Davis stated that Group 5 could live with this alternative if the FDOT gives up the rangeline for mitigation purposes. Group 5 did not support Alternative 4 due to the resulting fragmentation of the natural areas. Alternative 4 could only be considered if the entire roadway were elevated. The FDOT needs to make it clear that there is a potential for two additional roads if Alternative 4 is constructed. This includes the extension of Persimmon Boulevard and 60th Street in order to tie into SR 7. The no-build option results in only negative impacts to existing roads and traffic.

After the group presentations, it was clear that although none of the agencies endorsed a corridor, Corridor 4 was the least favorable.

Meeting Conclusion and Discussion

Following the group presentations, Ms. Caicedo-Maddison made it clear that the FDOT will not consider releasing its Right-of-Way along the rangeline until the end of the process.

Ms. Durando asked how the FDOT is involved with DRI applications, and why maintaining an acceptable Level of Service is the agency's responsibility. Ms. Caicedo-Maddison responded by saying that the FDOT is involved with the DRI process as a commenting agency. Ms. Durando stated that the FDOT and the County is willing to sacrifice wildlife and the Everglades for the unattainable goal of flowing traffic.

Ms. Riccio commented that most County Commissioners live east of I-95, or just west of I-95. She said the Commissioners must respect residents in the communities that are affected. They need to help each other without politics involved.

Mr. Foy asked Mr. Webb if the County has the option to continue the extension north beyond Persimmon Boulevard if the FDOT selects the no-build option. Mr. Webb responded that the County could decide to continue with the project even if the FDOT selects the no-build option, as long as County funds are used.

Ms. Caicedo-Maddison thanked everyone for their participation and input and invited everyone to the Public Workshop on May 24, 2006.

The meeting adjourned at 12 p.m.

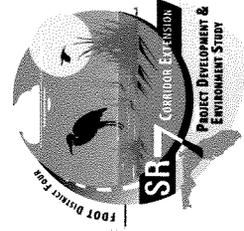


SR 7 CORRIDOR EXTENSION PD&E STUDY
AGENCY WORKSHOP
March 29, 2006



REGISTRATION SIGN-IN SHEET

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SR 7 CORRIDOR EXTENSION PD&E STUDY
AGENCY WORKSHOP
March 29, 2006



REGISTRATION SIGN-IN SHEET

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Erik Padron	ADOT - WPB	7900 FOREST HILL BLVD WPB, FL 33413	561-432-4966	
Joanive Davis	1000 FRIENDS OF FLORIDA	1029 N Lakeside Dr Lake Worth FL 33460	561 582-8992	capercat@bellsouth.net



**SR 7 CORRIDOR EXTENSION PD&E STUDY
AGENCY WORKSHOP
March 29, 2006**



REGISTRATION SIGN-IN SHEET

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JAY FOY	ETID	1489 N. MOUNTAIN TR	242-0028	
Madelga Martinez	NMFS	263 13th Ave Pineles Park FL 33782 3400 W. COMMERCIAL BLVD FT. LAUDERDALE, FL 33309	727-824-5329	john.krane@dot.state.fl.us
JOHN KRANE	FDOT DA		954 777 4354	
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Barbara Conmy	SFUMID		561-682-6937	bconmy@sfumid.gov
MIKE VOICCH	SFUMID	SFUMID	561-682-6754	mvoicche@sfumid.gov

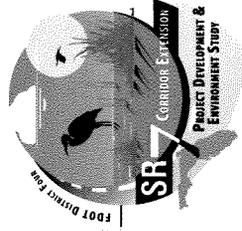


**SR 7 CORRIDOR EXTENSION PD&E STUDY
AGENCY WORKSHOP
March 29, 2006**



REGISTRATION SIGN-IN SHEET

NAME	ORGANIZATION	COMPLETE ADDRESS	TELEPHONE	E-MAIL
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Rosa Duranso	Aud C.U.	10308 Herst. Fms Rd L.W. 33467	965 2420	



SR 7 CORRIDOR EXTENSION PD&E STUDY
AGENCY WORKSHOP
March 29, 2006



REGISTRATION SIGN-IN SHEET

NAME	ORGANIZATION	COMPLETE ADDRESS	TELEPHONE	E-MAIL
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Alexis Donnell	EK	1900 Glades Rd, Ste 245 Boca Raton, FL 33431	561-347-7700 x100	adonnell@ekmail.com
Michael Garau	EK	1900 Glades Rd, Suite 245 Boca Raton, FL 33431	561-347-7700	mgarau@ekmail.com
Ani Madha Gotmore	EK	" "	" "	agotmore@ekmail.com

SR 7 CORRIDOR EXTENSION PD&E STUDY MEETING MINUTES



DATE AND TIME: June 21, 2006 from 9:30 AM to 10:30 AM
LOCATION: City of West Palm Beach Office
ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.
RECORDED BY: Michael Garau, P.E.
PARTICIPANTS: Omelio Fernandez (PBC), George Webb (PBC), Ken Rearden (WPB), Brian Collins (WPB), Charles Wu (WPB), Alex Hansen (WPB), Beatriz Caicedo-Maddison (FDOT), Aniruddha Gotmare (EK), Michael Garau (EK)
SUBJECT: City of West Palm Beach Coordination Meeting

A meeting was held with the City of West Palm Beach to discuss the SR 7 Extension project. Ms. Beatriz Caicedo-Maddison gave an overview of the project and a history of the activities conducted to-date. Four corridors are being evaluation under the current study. Ms. Caicedo-Maddison stated that there will be difficulty with Corridors 1 and 4 and then asked the City's opinion of Corridor 3.

Mr. Ken Rearden shared the following comments:

- Snail Kite population within the Grassy Waters Preserve would be a concern.
- The area in the northwest quadrant of the Grassy Waters Preserve is being mitigated. After restoration is complete, the Snail Kite could migrate into that section of the preserve.
- The Grassy Waters Preserve is a Class 1 system. Concern with the drainage conditions of the roadway and possible overflow into the preserve.
- Concern with potential traffic impacts to Northlake Blvd.

Ms. Caicedo-Maddison stated that the FDOT has several provisions for protecting the environment during planning, construction, and maintenance. FDOT is committed to the environment and will make sure that the drainage is accounted for.

Mr. Rearden mentioned that the Commissioner is concerned about traffic on Northlake Blvd. Ms. Caicedo-Maddison stated that the no-build will be considered until the end. She asked the City to consider Corridor 3 and to give it a chance all the way to the Public Hearing.

Mr. Rearden stated his three big concerns. They include:

1. The control structure at the M-Canal where the turn in the roadway is proposed.
2. Environment
3. Water Quality

The meeting concluded at 10:30 AM.



SR 7 CORRIDOR EXTENSION PD&E STUDY
 CITY OF WEST PALM BEACH MEETING

June 21, 2006

SIGN-IN SHEET



NAME	AGENCY / ORGANIZATION	E-MAIL
Omelio Fernandez	Palm Beach County	OFERNAND@CO.palm-beach.fl.us
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Michael Garau	Edwards and Kelcey	mgarau@ekmail.com
KEW REARDEN	CITY WPB	KREARDEN@WPB.ORG
Aniruddha Gotmare	Edwards and Kelcey	agotmare@ekmail.com
Bryan Couens	City WPB	bcouens@wpb.org
Charles Wu	WPB Planning	CWU@wpb.org
Alex Hansen	WPB planning	ahansen@wpb.org
Beatriz Carcebs - H	FDOT	beatriz.Carcebs@dot.state.fl.us

SR 7 CORRIDOR EXTENSION PD&E STUDY MEETING MINUTES



SUBJECT: U.S. Army Corp of Engineers Coordination Meeting

DATE AND TIME: July 10, 2006 from 2:00 p.m. to 3:30 p.m.

LOCATION: ACOE Palm Beach Gardens Regulatory Office

ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.

RECORDED BY: Aniruddha Gotmare, P.E.

PARTICIPANTS: Brandon Howard (ACOE), Myrna Lopez (ACOE), Beatriz Caicedo-Maddison (FDOT), Ann Broadwell (FDOT), Aniruddha Gotmare (EK), Sandy Scheda (SEA), Lauren Linares (SEA)

A meeting with the U.S. Army Corp of Engineers (ACOE) was held to provide an update of the PD&E study and obtain input on the proposed corridors with regard to permitting and mitigation requirements.

History and Project Status

Ms. Caicedo-Maddison, FDOT Project Manager, began the meeting by providing a brief overview of the project, including history, community issues, and project need. Ms. Caicedo-Maddison also provided an overview of the public involvement effort conducted under the current study. Since the start of the study, two public meetings have been held. Most recently, a Public Corridor Workshop was held on May 24, 2006. During that meeting, the four corridors were presented to public for their review. To obtain the public's input, a corridor ranking form (see attached) was distributed which allowed each person to rank the corridors in order of preference including the No-Build option. Nearly 700 forms were received. Based on the input received, Corridor 4 has significant support from the public and Corridor 1 has the least support. Ms. Caicedo-Maddison highlighted the fact that since Corridor 4 (Rangeline) received the best ranking over the No-Build option, that the public understands that there is a need for a new roadway. Due to the lack of public support and environmental impacts for Corridors 1 and 2, the FDOT recommended eliminating these corridors from further evaluation since it is not very likely that either one of these options would ever be constructed. Therefore, Corridors 1 and 2 have been eliminated from further consideration.

Between the remaining corridors Corridor 3 and Corridor 4, one will be selected for further evaluation through the PD&E process. Ms. Caicedo-Maddison stated that in order to complete the report, the FDOT will need more information to finalize the selection.

Permit Potential / Corridor Discussion

Ms. Caicedo-Maddison opened the discussion by asking the ACOE for assistance in identifying permitting and mitigation requirements for the remaining corridors. Mr. Brandon Howard, ACOE, stated that the most permissible option was the one that was already eliminated (referring to Corridor 1). Ms. Caicedo-Maddison reiterated the results of the public rankings, specifically the results for Corridor 1. She stated that there needs to be a consensus on the accepted corridor among the public and environmental agencies. Royal Palm Beach Boulevard and Coconut Blvd are not acceptable north-south corridors. The Acreage residents prefer the Rangeline option and the Rustic Lakes community has hired an attorney and will challenge any corridor except the Rangeline.

Ms. Ann Broadwell, FDOT Environmental Administrator, indicated that the project has been loaded into the ETDM system for review and that the ACOE will have the opportunity to input their comments. The statement of findings for the County's Acreage Reliever Road permit application would also be very helpful.

Ms. Myrna Lopez, ACOE, indicated that the ACOE may not be able to provide a definite answer as to which corridor is the one that will be permitted. Mr. Howard added that the Rangeline corridor was

eliminated while reviewing the County's project since it bifurcated the whole system.

Mr. Howard indicated that the ACOE would like to consider Corridor 3. The ACOE understands the public outcry on Corridor 1, but the concern with Corridor 3 is the resulting isolation of the Ibis mitigation parcel. Mr. Gotmare asked if ACOE has any mitigation recommendations. Mr. Howard suggested using fencing and animal crossings. A fencing detail recommended by ACOE is attached to the County's permit for Persimmon Boulevard.

Mr. Howard suggested for FDOT to perform a UMAM analysis to determine the functional loss instead of an acre calculation. Secondary impacts would be 25 to 50 feet away from the toe of the slope (last piece of fill material). ACOE would look at some level of functional loss in this area of secondary impacts; however, the UMAM method does not prescribe a specific buffer. Mr. Howard continued by saying that indirect affects associated with Rangeline corridor would be intuitively higher because the ACOE must consider the bigger picture of a greenway that everyone is working hard to put together.

Mr. Howard indicated that the ACOE will document their opposition to the Rangeline through ETDM. The Rangeline option would be considered as a fatal flaw. Mr. Howard will go through the statement of findings for the Acreage Reliever Road that discusses Rangeline alignment and associated issues.

For the east-west section of Corridor 3, wildlife crossings would be preferred along with fencing. One other option would be to construct a bridge for the east-west portion. Fencing would be required along the east side of the Rangeline. Secondary and cumulative impacts should include proposed development potential.

Mr. Aniruddha Gotmare, Edwards and Kelcey Project Manager, asked about the possibility of utilizing a bridge for Corridor 4. Mr. Howard responded that he did not have enough information to provide a definite answer. Also, this alternative was never proposed as an option during the Persimmon Boulevard (Acreage Reliever Rd.) permitting process. Issues such as shading would have to be considered. Ms. Sveda also pointed out the potential cost associated with environmental containment to avoid contamination issues.

Ms. Lopez stated that the FDOT will need to document all of the environmental/wetland impacts during the corridor alternatives analysis. Ms. Lopez continued by saying that she agrees that the Rangeline is not an option. Mr. Howard will provide comments through ETDM. Ms. Alisa Zarbo, ACOE, will also be given the chance to review those comments before they are posted.

Ms. Lopez asked Ms. Caicedo-Maddison if a new road would promote future development. Ms. Caicedo-Maddison answered no. The development is already there, hence, why they call it a "reliever" road.

Mr. Howard stated that abandonment of the FDOT's right-of-way would help offset impacts. He mentioned that this statement was also made in the County's permit.

Ms. Lopez stated that all these discussions will need to be documented. It will serve as very valuable information since it is 3-5 years before the permit application.

Meeting adjourned at 3:30 p.m.



SR 7 CORRIDOR EXTENSION PD&E STUDY
 U.S. ARMY CORPS OF ENGINEERS MEETING
 July 10, 2006



SIGN-IN SHEET

NAME	AGENCY / ORGANIZATION	E-MAIL
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Ann Broadwell	FDOT	ann.broadwell@dot.state.fl.us
Aniruddha Gotmare	Edwards and Kelcey	agotmare@ekmail.com
Lauren Linares	Scheda Ecological	llinares@scheda.com
Brandon Howard	USACE	Brandon.Howard@sgj02.usace.army.mil
Myrna Lopez	USACE	myrna-i.lopez@sgj02.usace.army.mil
Sandy Scheda	Scheda Ecological	(via conf-call)

SR 7 CORRIDOR EXTENSION PD&E STUDY MEETING MINUTES



SUBJECT:	South Florida Water Management District Coordination Meeting
DATE AND TIME:	July 19, 2006 from 1:00 p.m. to 2:30 p.m.
LOCATION:	SFWMD Headquarters, Room 3-B
ORIGINATED BY:	Beatriz Caicedo-Maddison, P.E.
RECORDED BY:	Michael Garau, P.E.
PARTICIPANTS:	Damon Meiers (SFWMD), Tony Waterhouse (SFWMD), Armando Ramirez (SFWMD), Mike Voich (SFWMD), Anita Bain (SFWMD), Barbara Conmy (SFWMD), Steve Carrier (PBC), Beatriz Caicedo-Maddison (FDOT), Gregor Senger (FDOT), Garrett Lips (FDOT), Aniruddha Gotmare (EK), Michael Garau (EK), Sandy Scheda (SEA), Lauren Linares (SEA)

A meeting with the South Florida Water Management District (SFWMD) was held to provide an update of the PD&E study and obtain input on the proposed corridors with regard to permitting and mitigation requirements.

History and Project Status

Ms. Caicedo-Maddison, FDOT Project Manager, began the meeting by providing a brief overview of the project history. During the 1990s, the FDOT explored the feasibility of extending SR 7 through a series of planning-level studies. At one time, 26 corridors were considered between Okeechobee Boulevard and SR 710 (Beeline Highway). These corridors were reduced down to eight through input received during several inter-agency workshops. The project was later suspended by the Palm Beach Metropolitan Planning Organization (MPO) in 2000.

The project was re-initiated last year, at the request of the Palm Beach MPO, under new project limits from Okeechobee Boulevard to Northlake Boulevard. The current study is considering four corridors with the goal to select one for further evaluation through the Project Development and Environment (PD&E) Study process.

Ms. Caicedo-Maddison stressed that the corridor evaluation phase of this project is only the beginning. In addition to the FDOT's on-going study, Ms. Caicedo-Maddison stated that Palm Beach County has completed their design of the Acreage Reliever Road and have obtained all of the necessary permits to begin construction. The Acreage Reliever Road project will extend Persimmon Boulevard from 110th Avenue to the intersection of SR 7 and Okeechobee Boulevard. Ms. Caicedo-Maddison made it very clear that the Acreage Reliever Road project is separate from the FDOT's study. However, due to the federal process involved and the fact that several of the proposed corridors will utilize the Acreage Reliever Road alignment, impacts associated with the County's project must also be considered.

Since the start of the study, two public meetings have been held. Most recently, a Public Corridor Workshop was held on May 24, 2006. During that meeting, the four corridors were presented to public for their review. To obtain the public's input, a corridor ranking form was distributed which allowed each person to rank the corridors in order of preference including the No-Build option. Nearly 700 forms were received. Based on the input received, Corridor 4 has significant support from the public and Corridor 1 has the least support. Ms. Caicedo-Maddison highlighted the fact that since Corridor 4 received the best ranking over the No-Build option, that the public understands that there is a need for a new roadway. Due to the impacts and lack of support for Corridors 1 and 2, the FDOT decided that selecting Corridor 1 or Corridor 2 is essentially like selecting the No-Build option since it is not very likely that either one of these options would ever be constructed. Therefore, Corridors 1 and 2 have been eliminated from further consideration.

Between the remaining corridors, which includes Corridor 3 and Corridor 4, one will be selected for further evaluation through the PD&E process. Ms. Caicedo-Maddison stated that in order to complete the report, the FDOT will need more information to finalize the selection.

Permit Potential / Corridor Discussion

Ms. Caicedo-Maddison stated that the goal of the meeting is to request the assistance of the SFWMD in selecting one corridor for the remainder of the project. The FDOT would like to know what would be required by the SFWMD if Corridor 4 is selected and what would be required for Corridor 3. Ms. Caicedo-Maddison stressed that the answer to these questions would help distinguish the remaining corridors from one another.

Mr. Steve Carrier, Palm Beach County Project Manager for the Acreage Reliever Road, stated that the County will start building the Acreage Reliever Road sometime this year. During the County's corridor study, the County was told not to build on the Rangeline (as proposed by Corridor 4) and that two roads would never be allowed by the permitting agencies (this is in reference to the possibility of constructing both the Acreage Reliever Road and SR 7 along the Rangeline). Mr. Carrier provided a letter from the SFWMD, dated December, 2003, that strongly states that the Rangeline option is not desirable.

Ms. Anita Bain, SFWMD, questioned why the letter that was drafted to the County in 2003 could not be applied to the FDOT's project if the same issues are involved. Ms. Caicedo-Maddison responded that, from the FDOT's perspective, this is a new project and will need new comments specifically addressing the issues that are encountered today.

Ms. Caicedo-Maddison stated that if Corridor 4 is selected, then the anticipated level of documentation would be an Environmental Impact Statement (EIS) and that the level of documentation for Corridor 3 would be an Environmental Assessment (EA). Mr. Tony Waterhouse, SFWMD, commented that he would expect an EIS to be prepared for Corridor 3. Ms. Caicedo-Maddison responded that she would expect an EA level of documentation for Corridor 3 since no residential impacts would be involved and the corridor would border already developed areas.

A discussion ensued about the possible extension of Persimmon Boulevard and 60th Street if Corridor 4 is selected as shown in the handout. Questions were asked if those extensions would be completed by the FDOT or the County. Ms. Caicedo-Maddison stated that those extensions would not be completed by the FDOT. They would be done by others, most likely the County. These extensions are classified as secondary impacts for this study.

Mr. Waterhouse asked about impacts to the mitigation area in Section 1 if Corridor 3 is selected. Ms. Caicedo-Maddison explained that Section 1 is under public ownership and that the west and north side is reserved for roadway purposes by the County. The footprint of Corridor 3 will not likely encroach into the reserved mitigation area.

Ms. Bain commented that because the Acreage Reliever Road was going to be constructed regardless, that if Corridor 4 is selected, then essentially the area would end up with both Corridors 3 and 4 due to the possible extension of Persimmon Boulevard and 60th Street. That outcome would not be favored.

Ms. Caicedo-Maddison reiterated that these are the type of comments and concerns, in writing, that the FDOT needs from the SFWMD. Ms. Caicedo-Maddison added that the FDOT needs to know if Corridor 4 is permissible. Ms. Bain stated that the SFWMD staff cannot specifically say that Corridor 4 is not permissible. The Board can only make that kind of statement. The SFWMD can only state what issues would need to be considered and addressed, not exactly what would be needed.

Ms. Caicedo-Maddison stated that the project has been loaded into the ETDM system and that the SFWMD could provide their comments through that format.

Mr. Waterhouse asked how the design of the roadway would account for the possibility of spills, specifically for Corridor 4. Ms. Caicedo-Maddison responded that these details will be considered during the later stages of the PD&E study. Mr. Waterhouse continued by saying that north of the M Canal, there is 320 feet of right-of-way, but south of the M Canal there is only 200 feet of right-of-way. The 200 feet available, south of the M Canal, may not be enough to safe guard against hazardous spills. This scenario could potentially impact the Water Catchment Area. Additional right-of-way may be required for the Rangeline. Ms. Caicedo-Maddison commented that those issues should be considered as the SFWMD prepares their letter.

Mr. Mike Voich, SFWMD, asked about the class designation for the Pond Cypress Natural Area. A discussion ensued and concluded that the Pond Cypress area is a Class III waterway and the Water Catchment Area is classified as a Class I. Outfall from the proposed project could potentially go into the Pond Cypress Natural Area.

Mr. Waterhouse asked Ms. Caicedo-Maddison that if Corridor 3 is selected, would SR 7 fall over the Acreage Reliever Road alignment. Ms. Caicedo-Maddison responded that the answer is generally yes, but that the FDOT cannot guarantee the same footprint. The FDOT needs to ensure that the Acreage Reliever Road meets FDOT standards.

Secondary Impacts

Ms. Sandy Sceda, Sceda Ecological Associates, initiated a discussion on secondary impacts and what the anticipated requirements would be. Ms. Bain stated that secondary impacts were identified for the Acreage Reliever Road and that those requirements would be a good starting point. Mr. Carrier pointed out that a UMAM analysis was performed for the Reliever Road and recommended to Ms. Sceda to contact Jim Schnelle who performed the environmental study for the Acreage Reliever Road, for further details. Mr. Carrier also offered the opportunity to look at the County's files for this information.

Mr. Damon Meiers, SFWMD, stated that the quality of wetlands along Corridor 4 is better than the quality along Corridor 3.

Mr. Carrier asked Ms. Caicedo-Maddison why the FDOT would not consider the Rangeline for mitigation if Corridor 3 is selected. Ms. Caicedo-Maddison responded that that option could not be considered until the FDOT is absolutely sure that Corridor 4 will not be built. After that decision is made, it may be used later. Mr. Meiers added that the unused portion of the Rangeline would be suitable for mitigation.

Mr. Meiers asked if the FDOT has considered other mitigation options. Ms. Sceda responded that 8 to 10 sites were identified over a year ago during a preliminary review of the project but that some of those sites are not available anymore.

Meeting Conclusion

Ms. Caicedo-Maddison asked how the SFWMD would like to go on record. Mr. Meiers responded that most likely in the form of a letter which will generally describe why Corridor 4 is not the desirable option. Mr. Aniuddha Gotmare, Edwards and Kelcey Project Manager, then asked if Corridor 4 is a feasible option. Ms. Bain stated that Corridor 4 is not practical since the Acreage Reliever road will be built anyways. Two roads in the area are not acceptable since it will result in excessive impacts on the surrounding environment and severely bifurcate the natural areas.

Ms. Caicedo-Maddison stated she would like to receive a letter from the SFWMD within a month. Ms. Caicedo-Maddison thanked everyone for their participation and input.

Meeting adjourned at 2:30 p.m.

Sign-In Sheet

<u>Name</u>	<u>Representing</u>	<u>E-mail</u>
Michael Garau	Edwards & Kelcey	mgarau@ekmail.com
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Damon Meiers	SFWMD	dmeiers@sfwmd.gov
Tony Waterhouse	SFWMD	twaterh@sfwmd.gov
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Beatriz Carcelo M	FDOT	
ARMANDO RAMIREZ	SFWMD/PBC SC	ARAMIRE@SFWMD.GOV
MIKE VOICHT	SFWMD	mvoicht@sfwmd.gov
Steve Carrier	PBC Eng	scarrier@co.palm-beach.fl.us
Anita Bain	SFWMD - NEM	abain@sfwmd.gov
Aniruddha Gotmare	Edwards & Kelcey	agotmare@ekmail.com

RECORD OF MEETING - DRAFT

SR 7 Corridor Extension PD&E Study
FPID No. 229664-2-22-01
ETDM #8127



SUBJECT: ETDM Screening Results Meeting

DATE AND TIME: November 9, 2006 from 10:00 AM to 12:00 PM

LOCATION: Palm Beach MPO Office

ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.

RECORDED BY: Aniruddha S. Gotmare, P.E.
Michael Garau, P.E.
Sandy Scheda

PARTICIPANTS: Beatriz Caicedo-Maddison – FDOT, District 4
Richard Young – FDOT, District 4
Ann Broadwell – FDOT, District 4
Paul Lampley – FDOT, District 4
Gregor Sengor – FDOT, District 4 (via conference call)
Garett Lips – FDOT, District 4 (via conference call)
Vicki Sharpe – FDOT, Central Office (via conference call)
Larry Barfield – FDOT, Central Office (via conference call)
Nahir DeTizio – Federal Highway Administration (via conference call)
George Hadley – Federal Highway Administration (via conference call)
John Wrublik – U.S. Fish and Wildlife Service
Alisa Zarbo – U.S. Army Corps of Engineers
Lauren Milligan – Florida Dept. of Environmental Protection (via conference call)
Chris Stahl – Florida Department of Environmental Protection (via conference call)
Joe Walsh – Florida Fish and Wildlife Conservation Commission (via conference call)
Anita Bain – South Florida Water Management District
Tony Waterhouse – South Florida Water Management District
Randy Whitfield – Palm Beach MPO
Patricia Masterman – Palm Beach MPO
Steve Carrier – Palm Beach County Engineering
Kathleen Farrell – Palm Beach County Engineering
Ron Robbins – Palm Beach County Environmental Resources Management
Aniruddha Gotmare – Edwards and Kelcey
Michael Garau – Edwards and Kelcey
Sandy Scheda – Scheda Ecological Associates
Lauren Linares – Scheda Ecological Associates (via conference call)

Ms. Beatriz Caicedo-Maddison opened the meeting by thanking everyone for their attendance and participation. After self introductions, Ms. Caicedo-Maddison indicated that the goal for the meeting was to bring all the participating agencies together and present a project status update. She also wanted to present the summary of assigned ETAT degree of effects for the proposed build corridors, address concerns and to introduce a bridge and drainage concepts to minimize environmental impacts along proposed Corridor 4. Ms. Caicedo-Maddison began the power point presentation with an overview of the corridors under consideration and stated that the FDOT has asked the FHWA for concurrence to discard Corridors 1 and 2 from further consideration due to lack of public support and impacts to the Section 1 mitigation site. An aerial of the FDOT's Right-of-Way was also shown to illustrate the proximity of the

perimeter canal and berm to the FDOT's Right-of-Way. Pictures from the recent field review documenting existing conditions along SR 7 corridors were also shown during this meeting.

A summary of the public involvement effort was provided. During the last corridor public workshop, a ranking form was distributed to the public. This form provided the public with the opportunity to rank the corridors in order of preference including the no-build option. A total of 688 forms were received of which 405 listed Corridor 4 as their preferred option. Ms. Caicedo-Maddison indicated that the public is anxiously waiting for the outcome of this corridor study. Following the public involvement summary, an overview of the latest evaluation matrix was provided and she highlighted the ranking of public opinion and the ranking of the regulatory agency concurrence. The public has ranked Corridor 4 as their first choice while the regulatory agencies have ranked Corridor 4 as their 4th choice.

The remainder of the presentation focused on the ETDM process and comments. Corridor 4 received a "dispute resolution" level of effect by the U.S. Fish and Wildlife Service (USFWS) for the special designation, wetlands, and wildlife and habitat categories. One of the comments made by the USFWS regarded the concern for the bifurcation of the natural area. In response to this concern, Ms. Caicedo-Maddison stated that the FDOT has developed a bridge concept to span across a 3-mile portion of the area that borders the Water Catchment Area and the Pond Cypress Natural Area. Ms. Caicedo-Maddison then introduced Mr. Aniruddha Gotmare as Edwards and Kelcey's Project Manager for this PD&E study to further discuss the bridge option. Mr. Gotmare discussed the bridge typical section, top-down construction methods, and the drainage options. Three drainage options were developed and include (1) the recommendation to use the area below the bridge for drainage swales; (2) the recommendation to use larger ponds at intermediate locations; and (3) a closed drainage system with stormwater pumped to an offsite location. All three options will use pollution chamber, baffle walls, and/or structural BMPs to collect any oil or spills and filter/treat the stormwater before it goes to the swale areas.

Ms. Caicedo-Maddison provided an overview of the four reasons for assigning a "dispute resolution" level of effect as outlined by the ETDM manual and includes (1) project appears to be non-permittable; (2) project is contrary to a state or federal resource agency's program, plan or initiative; (3) project has significant environmental cost (which includes funding, environmental impacts, or quality of life); and (4) project purpose and need statement is disputable. Possible outcomes through the dispute resolution process were presented and include the following: (1) resolve the issue or conflict through consultation and document the resolution; (2) recommend FDOT complete an environmental or technical study for ETAT representatives to review; and (3) advance the project with conditions into the work program. She stressed that the third option is not applicable in this case since the project is already in the work program).

After the presentation, Ms. Caicedo-Maddison opened the floor for further discussion and began by asking Mr. John Wrublik the reason why he assigned a "dispute resolution" level of effect. Mr. Wrublik responded that the USFWS reviewed the County's proposal for the Acreage Reliever Road. During that time, and after extensive coordination with the permitting agencies, the alignment for the Acreage Reliever Road was moved further west. When the FDOT restarted its PD&E Study for the extension of SR 7, he expressed his surprise that Corridor 4 was under consideration again. Mr. Wrublik stated that the USFWS approved the permit for the Acreage Reliever Road with the understanding that the FDOT's Right-of-Way would become part of the mitigation plan. He also stated that a bridge option would be better than a surface roadway, but that he feels that Corridor 3 is the better option.

Mr. Steve Carrier mentioned that the use of FDOT's Right-of-Way was discussed during the initial permit coordination process as a possible mitigation option for the Acreage Reliever Road but was later taken out from the proposed mitigation plan. In order to fulfill the mitigation requirements, the County used "special reserve credits" in addition to the Section 1 property. The permit approved for Acreage Reliever Road project by the South Florida Water Management District (SFWMD) and U.S. Army Corps of Engineers (ACOE) did not include FDOT's Right-of-Way as part of the mitigation plan. Mr. Rob

Robbins added that the Right-of-Way in question was discussed at the earlier stages but was later removed and not the part of final mitigation plan for the Acreage Reliever Road.

Ms. Ann Broadwell then asked Mr. Wrublik to categorize the agency's reason for assigning a "dispute resolution" based on the four options identified by the ETDM manual. Mr. Wrublik responded that his reasons would include the second and third categories (project is contrary to a state or federal resource agency's program, plan or initiative and project has significant environmental cost).

Ms. Alisa Zarbo asked why is the FDOT is considering building two roadways (Acreage Reliever Road and proposed SR 7 Extension) and if the FDOT sees the need for two roadways. Ms. Caicedo-Maddison responded that the FDOT's and County's projects are two separate projects and FDOT as a part of the PD&E Study will investigate the proposed traffic during the PD&E process.

Mr. Randy Whitfield indicated that it was never the County's intention to extend the Acreage Reliever Road up to Northlake Boulevard. Mr. Carrier also added that they were under the assumption that the FDOT will perform that task. Ms. Zarbo stated that the ACOE thought that the Acreage Reliever Road was going to replace the need for the SR 7 extension.

Ms. Caicedo-Maddison stated that when the FDOT started the study, it was decided that commitments to the Right-of-Way could not be made until after the study is over. It is still a possibility that the Right-of-Way could be released in the future based on the final outcome of the PD&E Study.

Mr. Paul Lampley stated that the Palm Beach MPO requested FDOT to stop the project in 2000 and has since asked the FDOT in 2002 to continue with their study. Most likely, this project will be an EIS and for that reason we have to study all possible alignments. If we give up the Right-of-Way now, it will prejudice the decision.

Ms. Bain indicated that the possibility of having two roads (Acreage Reliever Road and new SR 7 extension) does create several challenges and SFWMD will have issues in permitting the new road along Corridor 4 as they stated in their letter to the FDOT.

Ms. Caicedo-Maddison then stated that the FDOT wants the flexibility to study Corridor 4 and asked if the USFWS would reduce the dispute resolution level of effect down to substantial. Mr. Wrublik responded that the FDOT could study that option if desired, but that the USFWS will not reduce the level of effect. Mr. Lampley added that the FDOT cannot study Corridor 4 until the level of effect is reduced.

Mr. Whitfield asked why the FDOT cannot consider studying Corridors 3 and 4 as part of the PD&E Study even if the USFWS has assigned a "red flag" to Corridor 4. Mr. Lampley responded that the FDOT has two options: (1) with a red flag, the FDOT has the option of studying Corridor 3 only; and (2) if the red flag is lowered to orange, then the FDOT can proceed with an analysis of Corridors 3 and 4 which will require an EIS. Ms. Nahir DeTezio indicated that the number of corridors under consideration does not determine the class of action.

Ms. Broadwell asked the County about its future management plan for the Pond Cypress Natural Area. Mr. Robbins responded that in the past, discussions have occurred to remove the berm and unite the Pond Cypress Natural Area and Water Catchment Area. Mr. Robbins also added that the Environmental Resources Management department is in favor of Corridor 3. Mr. Robbins appreciates the FDOT's effort to address the bifurcation issue, but it does not make the bridge option more compelling.

Ms. Lauren Milligan stated that DEP agrees with USFWS and SFWMD on not supporting Corridor 4. Mr. Joe Walsh added that substantial impacts are associated with Corridors 2 and 4 due to the presence of conservation lands and the potential for impacts to fish and wildlife resources. Mr. Walsh stated that the FWC is in favor of Corridor 1 but is more comfortable with Corridor 3 than Corridor 4.

Mr. Whitfield asked about the dispute resolution process. Mr. Young responded that the discussions begin at the staff level and work its way up the ranks, potentially up through the District Secretaries and ultimately the Governor. The FDOT has the option of proceeding through the dispute resolution process or dropping Corridor 4. Ms. Caicedo-Maddison added that an internal FDOT meeting has been scheduled for next week to discuss FDOT's options.

Ms. Vicki Sharpe reiterated the ETDM comments by the Department of Community Affairs (DCA) and that any corridor selected has to be consistent with the Palm Beach County Comprehensive Plan. DCA had also indicated that they are supportive of Corridor 3 as the preferred corridor due to the minimization of environmental impacts.

Mr. Lampley clarified why we are using the ETDM for this project even though the SR 7 Extension is already in the FDOT work program. He mentioned that this project was already in the work program before the ETDM process was implemented. He also indicated that due to the approval of SAFETEA-LU we are going through this ETDM process for this project.

Ms. Caicedo-Maddison asked Mr. Wrublik the status of the red flag. Mr. Wrublik responded that the level of effect will remain as a "red flag." Ms. Bain stated that she has more concern now than before about the possibility of two corridors in the project area. If Corridor 4 is selected, then one or two east-west connections will be required.

Mr. Gotmare asked if the USFWS or the SFWMD would like to make any recommendations or suggestions to the FDOT that would allow further study of Corridor 4 since the Corridor 4 has extensive public support. Mr. Wrublik responded that according to the USFWS, Corridor 3 is a better option.

Mr. Lampley asked Mr. Walsh about his opinion on Corridor 3 versus Corridor 4. Mr. Walsh responded that he could continue looking at Corridor 3. The FWC is more comfortable with Corridor 3 than with Corridor 4.

Ms. Caicedo-Maddison thanked everyone for their participation.

The meeting was adjourned at 11:15 a.m.



SIGN-IN SHEET ETDM Meeting SR 7 CORRIDOR EXTENSION PD&E STUDY



November 9, 2006
Palm Beach MPO Office

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SIGN-IN SHEET ETDM Meeting SR 7 CORRIDOR EXTENSION PD&E STUDY



November 9, 2006
Palm Beach MPO Office

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SR 7 EXTENSION PD&E STUDY MEETING MINUTES



SUBJECT: Palm Beach County Coordination Meeting

DATE AND TIME: October 17, 2007 from 9:30 am to 12:45 pm

LOCATION: Palm Beach County Engineering Office, 2300 N. Jog Road

ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.

RECORDED BY: Michael Garau, P.E.

PARTICIPANTS: Omelio Fernandez (PBC), Steve Carrier (PBC), Morton Rose (PBC), Kathleen Farrell (PBC), Beatriz Caicedo-Maddison (FDOT), Gregor Senger (FDOT), Aniruddha Gotmare (Jacobs), Michael Garau (Jacobs)

A meeting with the Palm Beach County Engineering Department was held on October 17, 2007 to obtain the current status of the County's Acreage Reliever Road project. From 9:30 am to 11:45 am, Ms. Kathleen Farrell provided a tour of the Acreage Reliever Road construction project. After the field review, the meeting continued at the Palm Beach County office and was joined by Mr. Omelio Fernandez, Mr. Steve Carrier, and Mr. Morton Rose.

Ms. Beatriz Caicedo-Maddison provided an update of the SR 7 PD&E study. A public meeting was held on June 5, 2007 where Corridor 3 was presented to the public as the preferred corridor. A final Corridor Report has since been sent to the Federal Highway Administration.

Ms. Caicedo-Maddison asked if the County used any geo-grid for the Acreage Reliever Road. Mr. Carrier responded that no geo-grid will be used. Mr. Carrier then mentioned that the plans for the Acreage Reliever Road have been updated and that the Department should obtain a new copy.

Acreage Reliever Road Connection with Persimmon Blvd

The County has not obtained a permit to connect the Acreage Reliever Road with Persimmon Blvd. The Indian Trails Improvement District will not issue a connection permit until the Acreage Reliever Road is extended to Northlake Blvd.

Extension of Acreage Reliever Road to 60th Street

The design and permitting for the 60th Street extension should be completed by 2009. Construction is funded for 2011. The typical section for the extension up to 60th Street will be the same as shown for the Acreage Reliever Road. Mr. Carrier stated that the Acreage Reliever Road should be permitted from right-of-way line to right-of-way line and suggested that the Department verify this information with the KF Group. The drainage system should be designed for a 6-lane facility. Ms. Caicedo-Maddison requested an email from the Palm Beach County explaining what they are doing for the 60th Street Extension.

Right-of-way acquisition along 60th Street

Mr. Carrier stated that the right-of-way for the M Canal is 250 feet wide and 80 feet wide for the M Canal Road. Mr. Omelio Fernandez stated that the City of West Palm Beach has an agreement to use the M Canal Road.

Drainage Ponds for the Acreage Reliever Road

Mr. Carrier was not sure whether the pond for the Acreage Reliever Road was ever needed to accommodate the drainage needs of the project, but suggested to the Department to verify this with the KF Group. The Village of Royal Palm Beach will maintain the pond. Ms. Farrell will provide the agreement between the County and the Village of Royal Palm Beach.

Mr. Carrier stated that the County will have a drainage easement on the pond. The Department may use the pond if necessary.

Connection with the Ibis Development on the East Side

Ms. Caicedo-Maddison asked if anyone is aware of a connection agreement between the Ibis development and SR 7. Currently, there is a connection on the east side of the development to a 2-lane road that connects with Northlake Blvd. Mr. Carrier suggested that the Department contact the land development group and request a copy of the permit.

County Agreements with the Ibis Development

Ms. Caicedo-Maddison asked if there are any existing agreements between the County and the Ibis Development to treat stormwater off of SR 7. Ms. Farrell stated that she will provide those to the Department.

Future SR 7/Northlake Blvd Intersection

Mr. Carrier stated that the line item for improvements to the Northlake Blvd/SR 7 intersection has been removed from the County's work program. Ms. Farrell will be the point of contact for any issues related to the existing traffic signals along Northlake Blvd.

County Commitments

Mr. Carrier mentioned that the County has only committed to construct a berm along 110th Street. No other commitments have been made.

Action Items

1. Palm Beach County to provide an updated copy of the Acreage Reliever Road plans to FDOT.
2. Palm Beach County to send Ms. Caicedo-Maddison an email explaining what the County is proposing as part of the extension to 60th Street.
3. FDOT to verify with the KF Group if the drainage system is designed for a 6-lane facility.
4. FDOT to verify with the KF Group if the Acreage Reliever Road is permitted from R/W line to R/W line.
5. FDOT to verify with the KF Group if the pond constructed for the Acreage Reliever Road was needed to accommodate the drainage needs of the project.
6. Palm Beach County to provide copy of agreement with Village of Royal Palm Beach for pond maintenance.
7. FDOT to contact the County's Land Development group about existing connection permits with the Ibis development.
8. Palm Beach County to provide copies of drainage agreements with the Ibis Development.

Meeting adjourned at 12:45 p.m.



SIGN-IN SHEET

SR 7 CORRIDOR EXTENSION PD&E STUDY

Meeting Purpose: PBC Coordination Meeting

Date: October 17, 2007

NAME	REPRESENTING	PHONE	E-MAIL
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Gregor Sengjer	FDOT	954-777-4141	gregor.sengjer@dot.fl.gov
Kathleen Farrell	PBC Eng.	(561)684-4193	kfarrellepbcgov.com
Aniruddha Gotmare	JACOBS	561-347-7700	aniruddha.gotmare@jacobs.com

**SR 7 CORRIDOR EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT: Palm Beach County Coordination Meeting
DATE AND TIME: September 25, 2008 from 9:30 a.m. to 11:00 a.m.
LOCATION: Palm Beach County office on 2300 Jog Road
ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.
RECORDED BY: Michael Garau, P.E.
PARTICIPANTS: Rob Robbins (PBC), Steve Carrier (PBC), Omelio Fernandez (PBC), Kathleen Farrell (PBC), Beatriz Caicedo-Maddison (FDOT), Gregor Senger (FDOT), Aniruddha Gotmare (Jacobs), Michael Garau (Jacobs), Cyndy Kendrick (Stanley), Renaud Olivier (Stanley), Eric Reid (Transystems)

A coordination meeting was held with Palm Beach County to discuss the SR 7 Extension PD&E Study and the Acreage Connector Road project.

Review of proposed alternatives

The proposed alternatives were presented to the meeting participants. These include normal crown, reverse crown, and superelevated curve options through 60th Street and the M-Canal. Roundabout and T-intersection alternatives were also discussed. A superelevated curve would not encroach into the Section 1 site; however, the ability to provide a safe intersection at 60th Street would be challenging. Avoidance of the AM tower site would shift the alignment north towards the M-Canal within the Indian Trail Groves property.

The following comments and/or items were discussed:

- Mr. Rob Robbins with the Department of Environmental Resources Management stated that encroachment into the Section 1 mitigation site will not be considered.
- The City of West Palm Beach has an easement over the Indian Trail Groves Property that runs adjacent to the M-Canal.
- The extension of the Acreage Connector Road up to 60th Street is funded for construction in the 2011 work program.
- The intersections at 110th Avenue will be under stop conditions as determined by the County for the Acreage Connector Road.
- A tentative agreement was reached between Indian Trails Improvement District (ITID) and the County on the connection permit for the Acreage Connector Road. This tentative agreement may include a list of commitments and conditions. One possible commitment is that the berm between Persimmon Blvd and 60th Street will be built first.
- Roebuck Road is funded for construction in 2011. The permit that the County is pursuing for Roebuck Road is for the ultimate footprint. The FDOT would only have to widen in the median at the intersection to provide left turn lanes.
- The Village of Royal Palm Beach is currently not in favor of a connection at Madrid Street. Ms. Caicedo-Maddison stated that the FDOT will only build up to the right-of-way line. Any future intersection at Madrid Street will need to be done by others.

Drainage Review

Ms. Cyndy Kendrick provided an overview of the drainage approach for the SR 7 extension project. Below are the main points made during the discussion:

- The segment south of 60th Street can outfall through the Village of Royal Palm Beach.
- For the segment parallel to the M-Canal, linear ponds may be used with outfall into the ITID system.
- For the segment along the Ibis system, Ibis is required to take about 48 acres into its system as stated in the development permit.
- Offsite ponds are not expected at this time.
- The City of West Palm Beach is concerned with potential contamination spills into the Water Catchment Area. The drainage plan will need to address these concerns and provide solutions for avoiding these types of impacts. Ms. Kathleen Farrell stated that the County is addressing similar issues with the City of West Palm Beach on Roebuck Road. Emergency plans for hazardous material spills should be obtained and reviewed for potential application to SR 7.
- A permit may be needed to cross the M-Canal.

Northlake Blvd Intersection

Participants at the meeting discussed the importance of assessing access management requirements near the Northlake Blvd intersection. The residents of Ibis have been asking how access into and out of the shopping center near the proposed intersection would be impacted.

Other comments were made:

- The County's standards for access management will be applied to Northlake Blvd since it is a County road.
- Restrict the access to the water treatment maintenance site, between the east Ibis gate and Northlake Blvd, to right-in/right-out.
- Provide a full median opening for the apartment complex just south of Northlake Blvd.

Action Items

1. Obtain a copy of the easement owned by the City of West Palm Beach over the Indian Trail Groves property (Jacobs)
2. Provide a copy of the tentative agreement between ITID and the County (PBC)
3. Obtain and review emergency plans from the County for hazardous material spills (Jacobs)
4. Determine the type of permit needed to cross the M-Canal (Jacobs)

Meeting adjourned at 11:00 a.m.



SIGN-IN SHEET
SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE: Palm Beach County Coordination Meeting

DATE: Sept. 25, 2008

NAME	REPRESENTING	PHONE	EMAIL
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**SR 7 CORRIDOR EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT: Meeting with Representatives of the Ibis Golf and Country Club

DATE AND TIME: December 10, 2008 from 9:30 a.m. to 11:00 a.m.

LOCATION: FDOT District 4 Headquarters

ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.

RECORDED BY: Michael Garau, P.E.

PARTICIPANTS: Beatriz Caicedo-Maddison (FDOT), Paul Lampley (FDOT), Gregor Senger (FDOT), Glen Harvie (Ibis), Myron Uman (Ibis), Aniruddha Gotmare (Jacobs), Michael Garau (Jacobs)

A meeting was held with representatives of Ibis to discuss the status of the SR 7 Extension PD&E Study. Dr. Myron Uman presented to the FDOT a list of issues of particular interest to the Ibis community. A copy of this list is attached.

Function of Extension

According to Dr. Uman, the need for an additional evacuation route is listed in the corridor report as the only purpose for the SR 7 extension project. Ms. Beatriz Caicedo-Maddison clarified by stating that this is not correct. The need and purpose for the project is to provide an additional north-south route to improve the connectivity in the Palm Beach County. She also indicated that SR 7 is not an officially designated evacuation route. Those routes are intended for residents living east of I-95 and are designated by County officials. However, all roads assist with the evacuation process and the extension of SR 7 to Northlake Boulevard could facilitate in the hurricane evacuation process. Mr. Michael Garau added that the corridor report identifies the need for improved connectivity as the main purpose of the project.

Mr. Paul Lampley stated that only the Federal Highway Administration (FHWA) can approve the purpose and need for a project, and the approved purpose and need does not mention evacuation or truck route as the driving need for the project. The approved purpose and need can be found in the Efficient Transportation Decision Making (ETDM) website. Mr. Lampley also provided a copy of the approved purpose and need from the ETDM website for the SR 7 PD&E Study.

Traffic Projections

Ms. Caicedo-Maddison stated that the traffic report will be completed soon. The analysis is based on the Palm Beach Regional Planning Model and the Southeast Regional Planning Model (SEPRM). The design year for the project is 2040. Mr. Glen Harvie asked how is it possible that an analysis can be conducted for 2040 if the County's model only goes up to 2035. Mr. Lampley responded that the design year for any project is 20 years beyond the opening year. In this case, the Team had to start with the County's model and project out to 2040.

Alignment and Road Sections in Right-of-Way

A roll plot of the right-alignment alternative was presented for discussion purposes. This alternative proposes a right shift (towards the east) in the alignment along the Ibis community. A left and center shift is also being considered. The need for additional right-of-way is not identified at this time.

Dr. Uman mentioned that the County is experiencing difficulties with the newly-constructed culverts underneath the Acreage Connector Road.

Elevated Sections

There are no elevated sections proposed for this project.

Intersection with 60th Street

Ms. Caicedo-Maddison stated that the intersection options for 60th Street are still being considered. The County is currently preparing plans for extending the Acreage Connector Road up to 60th Street and improving 60th Street up to Royal Palm Blvd.

Crossing the M-Canal

The bridge crossing the M-Canal will be a low level bridge similar to the crossing of the M-Canal at Royal Palm Blvd.

Crossing the Ibis Preserve and Weir

Dr. Uman stated that the weir between the Ibis preserve and the Water Catchment Area is an important structure for maintaining the flow between systems. Mr. Aniruddha Gotmare stated that a culvert or low-level bridge will be proposed at that location to maintain the flow.

Access to the Ibis East Gate

Ms. Caicedo-Maddison stated that both a T-intersection option and a roundabout option are being considered. Preliminary concepts of both were presented for discussion.

Intersection with Northlake

Dr. Uman asked if the intersection at Northlake Blvd would be signalized and how that would affect the existing signalized intersection at the shopping center. Ms. Caicedo-Maddison responded that the intersection at Northlake will be signalized and that the existing signalized intersection at the shopping center will remain since it already exists. In addition; an access management plan will be developed for SR 7 that will address all the access issues including signalization and the median openings.

Speed Limit

The design speed for the project is 45 MPH and the posted speed limit will also be 45 MPH. Mr. Harvie asked what happens if the speed limit is increased to 55 MPH after the project is completed and if another noise study would be conducted. Ms. Caicedo-Maddison responded that another noise study would be conducted if requested by the public to verify the affect of the speed increase.

Aesthetics

Dr. Uman asked if any landscaping would be applied to the existing berm along Ibis. Mr. Lampley stated that the Team will need to verify if the berm is inside or outside of the FDOT's right-of-way. Mr. Lampley stated that the State legislature requires a certain percentage of the construction funding be allocated to landscaping.

Lighting

Dr. Uman asked what kind of lighting treatment will be applied along the roadway. Ms. Caicedo-Maddison responded by saying that lighting will be addressed during the design phase of the project. Ms. Caicedo-Maddison also mentioned that the County will not be installing any lighting on the Acreage Connector Road due to a permit requirement. Mr. Lampley added that lighting is usually decided during the design phase and may be part of the permit. Dr. Uman stated that Ibis is concerned with too much lighting along the preserve areas but they are also concerned with safety especially along the curves.

Environmental Assessment and Mitigation

Ms. Caicedo-Maddison stated that the Environmental Assessment document (EA) will be completed later this year. Dr. Uman stated that there is a mitigation bank at the Grassy Waters Preserve that is managed by Patrick Painter from the City of West Palm Beach.

Dr. Uman also mentioned that he is a member of the Water Catchment Advisory Board and would like for the PD&E Team to make a presentation before the board.

FDOT work plan description of project as “SR 7/US441”

Dr. Uman asked if this project will be designated as US 441. Mr. Lampley stated that US 441 will not be rerouted through the extension of SR 7.

Schedule

A review of the project schedule was provided. The Public Hearing is scheduled for February, 2010. Copies of the EA document will be made available to the public 21 days before the Hearing. Ms. Caicedo-Maddison stated that the FHWA will review the results of the Public Hearing. If there are significant issues, then the level of documentation may change to an Environmental Impact Statement (EIS). If there are no significant issues, then the FDOT will submit a Finding of No Significant Impact (FONSI) document. If a FONSI is submitted, it is anticipated that Location and Design Concept Acceptance (LDCA) will be received from the FHWA by November, 2010.

Conclusion

Below is a summary of the concerns or requests made by Dr. Uman and Mr. Harvie during the meeting:

1. Ensure that the existing berm along Ibis is not eliminated due to concerns about noise.
2. Coordinate with the Ibis community and the Water Catchment Advisory Board on future project updates.
3. Ibis prefers minimal lighting along the SR 7 extension but is concerned about safety.
4. Ibis is concerned that the speed limit will change in the future and that noise levels will further increase.
5. Ibis requested that the FDOT hold the next alternatives workshop before May. About half of its residents head back north for the summer.

Meeting adjourned at 11:00 a.m.

State Road 7

PD&E Issues of Particular Interest to Ibis

- a. Function of extension, i.e., evacuation, local circulation, truck route, etc.
- b. Traffic projections: assumptions, results
- c. Alignment and road sections in RoW
- d. Elevated sections: locations, designs
- e. Intersection with 60th Street: design, signalization (affects Wildcat Run)
- f. Crossing the M Canal
- g. Crossing the Ibis Preserve & weir
- h. Access to the Ibis East Gate: design, signalization
- i. Intersection with Northlake Boulevard: design, signalization
- j. Speed Limit: posted v. design
- k. Aesthetics: noise mitigation, visual screening, landscaping
- l. Lighting
- m. Environmental assessment & mitigation
- n. FDOT work plan description of project as “SR7/US441”

Schedule

1. Public meeting in spring 2009: subjects to be covered
2. Release of PD&E study: review by agencies, public access, time allotted, etc.
3. Public hearing in winter 2010: advance notice, board members, decision process
4. Construction

December 2008



SIGN-IN SHEET

SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE: Meeting w/ IBIS

DATE: December 10, 2008

NAME	REPRESENTING	PHONE	EMAIL
Michael Garau	Jacobs	954 246 1230	michael.garau@jacobs.com
GLEN HARVE	IBIS	561-625-4056	GHAHome@comcast.net
MYRON UMAN	IBIS	561 775-5706	myronuman@umant.com
Gregor Senger	FDOT	954-777-4141	gregor.senger@dot.fl.us
Aniruddha Gotmare	JACOBS	954.246-1222	aniruddha.gotmare@jacobs.com
PAUL CAMPLEY	FOOT	954-777-4345	Paul.Campley@dot.state.fl.us
Beatriz Cascel - Hallstrom	FDOT	954-777 4336	Beatriz.Cascel@dot.state.fl.us



SR 7 EXTENSION PD&E STUDY
Coordination Meeting
May 4, 2009



Northern Palm Beach County
Improvement District

359 Hiatt Drive
Palm Beach Gardens, FL 33418
561-624-7839

MEETING NOTES:

A coordination meeting with the Northern Palm Beach County Improvement District (NPBCID) was held for the above referenced project. The intent of the meeting was to present the conceptual drainage approach for the roadway segment north of the M-Canal to Northlake Boulevard east of the Ibis development and collect information concerning NPBCID's stormwater facilities and permitting requirements. The list of attendees is attached to this document.

Major items discussed are as follows:

- NPBCID Executive Director O'Neal Bardin mentioned that Northern will review the project from a technical standpoint only (concerning their facilities) and does not represent a political agenda concerning the project.
- Stormwater drainage facilities in the Ibis development are operated and maintained by Northern. This system includes three pump stations which convey the water from north to south where it is then discharged into the Preserve area north of the M-Canal. The control elevation for the north side of the Ibis system is at 16.5 ft. and the south side is controlled at elevation 17.0 ft.
- The Preserve is owned by the City of West Palm Beach and the water is controlled at elevation 18.5 ft prior to outfall through a gated weir opening into the City's Water Catchment Area.
- The existing Palm Beach County road right-of-way along Ibis is 120 ft and FDOT has an additional 200 ft available (adjacent to the east) for the SR 7 Extension corridor.
- Stanley Consultants distributed an exhibit depicting a conceptual typical section for the SR 7 six-lane roadway and linear stormwater treatment areas (dry retention & wet pond) west of the road for the 320 ft available corridor.
- The existing storm treatment through Ibis was permitted to include the 120 ft SR 7 road right-of-way. Question was asked by NPBCID if the SR 7 Extension could be built within a 120 ft corridor to simplify permitting and maximize buffer areas. Stanley Consultants will forward this question to the prime consultant (Jacobs) and evaluate the feasibility since only 4 roadway lanes may be necessary from M-Canal to Northlake.
- Stanley's methodology for designing the drainage retention/detention areas considered a discharge rate of 0.11 cfs/ac. to match the existing permitted rate for Ibis's discharge from the Preserve to the Catchment area. NPBCID stated that SFWMD permitting requirements will need to be met; beyond that they have no additional engineering requirements.

- Northern requested a paved access road be provided to their pump station at the south end of Ibis.
- Northern's fees may include review, permitting and inspection for improvements involving their facilities. The NPBCID has a facilities map available online at their website.
- Kathleen Farrell with Palm Beach County discussed the County's 60th Street project. They will likely have a pond site in the Indian Trails District residential development. Possibility of joint use can be investigated as an alternative for stormwater needs as both projects progress, however it appears feasible that the SR 7 drainage requirements can be accommodated within the available right-of-way.
- For the 60th Street project, Palm Beach County has requested that the City of West Palm Beach subordinate their access easement across an 80 ft strip south of the M-Canal from 120th to 110th Street.

Distribution:

Attendees

SR 7 Project Team

File: X:\FDOT\17768\0400-ProjComm\Meeting Minutes\

SIGN-IN SHEET
NORTHERN PALM BEACH COUNTY IMPROVEMENT DISTRICT

Meeting: UNIT 18, SR-7,

Unit No.: UNIT 18 (if applicable)

Date: 4/30/09

(PLEASE PRINT)

	NAME	COMPANY	PHONE	E-MAIL
1	DAN BEATTY	NPBCID	624-7830	DAN@NPBCID.ORG
2	DAN BURNS	Stanley	712-2213	burnsdaniel@Stanleygov.com
3	O'Neal Bardin Jr.	NPBCID	624-7830	
4	Kathleen Farrell	PB County	684-4193	kfarrellepbcgov.org
5	Cynoy Kendrick	Stanley	712-2268	Kendrickcynthia@Stanleygov.com
6	Kimberly Leser	ARCADIS	697-7013	kleser@arcadis-us.com
7				
8				
9				
10				
11				
12				
13				
14				
15				

**SR 7 CORRIDOR EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT:	Meeting with Representatives of the Ibis Golf and Country Club
DATE AND TIME:	June 4, 2009 from 9:30 a.m. to 11:30 a.m.
LOCATION:	FDOT District 4 Headquarters
ORIGINATED BY:	Beatriz Caicedo-Maddison, P.E.
RECORDED BY:	Michael Garau, P.E.
PARTICIPANTS:	Beatriz Caicedo-Maddison (FDOT), Glen Harvie (Ibis), Myron Uman (Ibis), Sal Faso (Ibis), Aniruddha Gotmare (Jacobs), Michael Garau (Jacobs)

A meeting was held with representatives of Ibis to discuss the status of the SR 7 Extension PD&E Study.

Dr. Myron Uman asked if documents are available for public review. Ms. Beatriz Caicedo-Maddison responded that the documents will be available after the Federal Highway Administration (FHWA) has signed off on the draft. The documents will be on display in libraries, etc. A copy can be provided to Ibis for display in the clubhouse.

Mr. Sal Faso asked if FDOT would be able to attend a City sponsored meeting/workshop. Ms. Caicedo-Maddison responded that yes, FDOT could attend and participate.

Mr. Faso stated that traffic is coming from the west and then asked what is the justification for building a road towards the east. Ms. Caicedo responded that the State has to consider its own state road system and the County has to consider their own system. FDOT is focused on extending SR 7.

Mr. Faso asked what is the expected traffic going north/south through the proposed roundabout. Ms. Caicedo-Maddison responded that the general traffic volumes will be sent to Ibis.

Mr. Faso stated his concern with the safety operation of roundabouts. He stated that in the morning, there is a queue of several trucks trying to get into the east access gate. This queue may back into the roundabout. Mr. Faso then asked if there will be rumble strips or flashing lights along the approach to the roundabout. Ms. Caicedo-Maddison responded that those features are not planned at this time but that there will be advanced warning signs.

Meeting adjourned at 11:30 a.m.

**SR 7 EXTENSION PD&E STUDY
MEETING MINUTES**



SUBJECT: Presentation to City of West Palm Beach Commission
DATE AND TIME: April 26, 2010 from 10:00 am to 11:30 am
LOCATION: City of West Palm Beach City Hall
ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.
RECORDED BY: Michael Garau, P.E.
PARTICIPANTS: Beatriz Caicedo-Maddison (FDOT), Gerry O'Reilly (FDOT), Aniruddha Gotmare (Jacobs)

A presentation was given to the City of West Palm Beach City Commission about the status of the SR 7 extension project. A copy of the PowerPoint presentation and recorded minutes from the City is attached.



SR 7 Extension PD&E Study

Gerry O'Reilly, P.E., Director of Transportation Development

Beatriz Caicedo-Maddison, P.E., FDOT Project Manager

Aniruddha Gotmare, P.E., Jacobs Project Manager



Presentation to the City of West Palm Beach
April 26, 2010



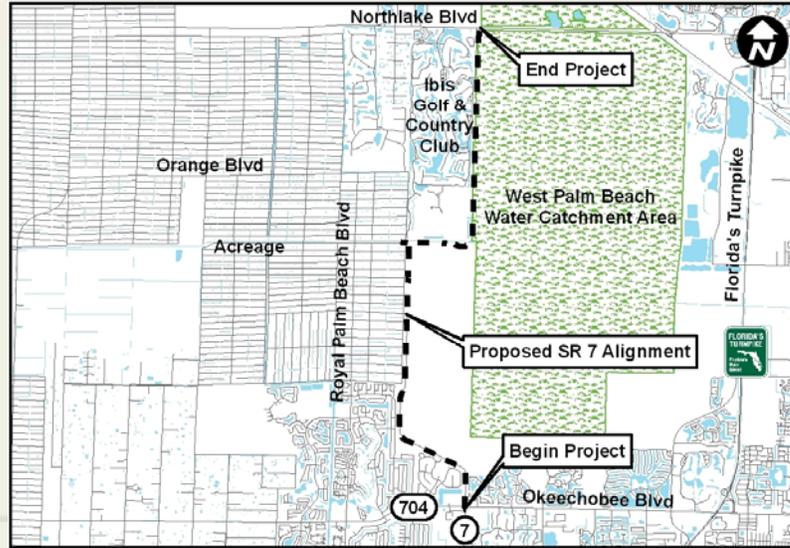
SR 7 Extension Project Overview

- PD&E Study began in April, 2005
- Level of Documentation – Environmental Assessment
- Project located in Palm Beach County
- New construction: 4 lane divided, urban typical
- Begin point: Okeechobee Blvd (SR 704)
- End point: Northlake Boulevard
- Project length: 8.45 miles
- Corridor 3 selected after public involvement and FHWA concurrence.

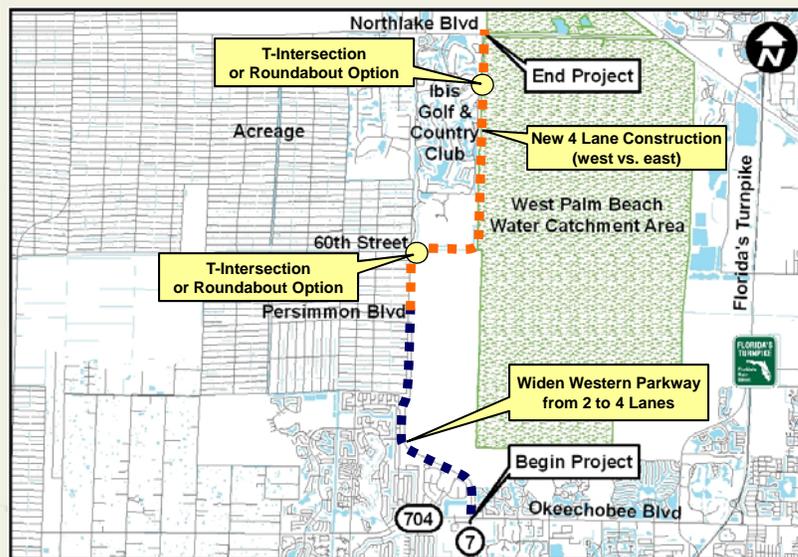


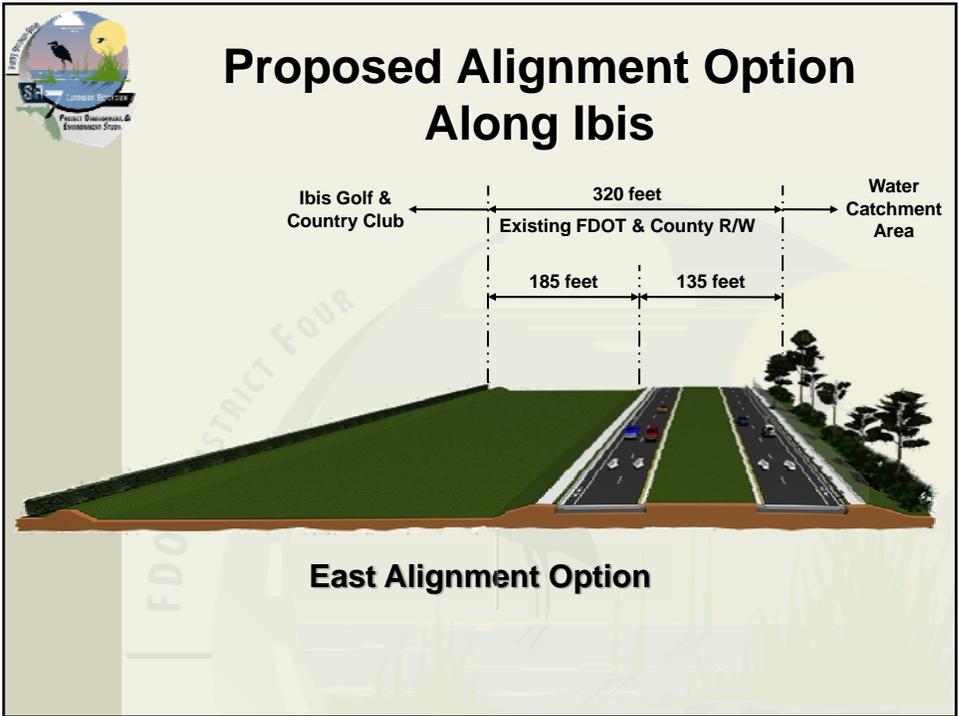
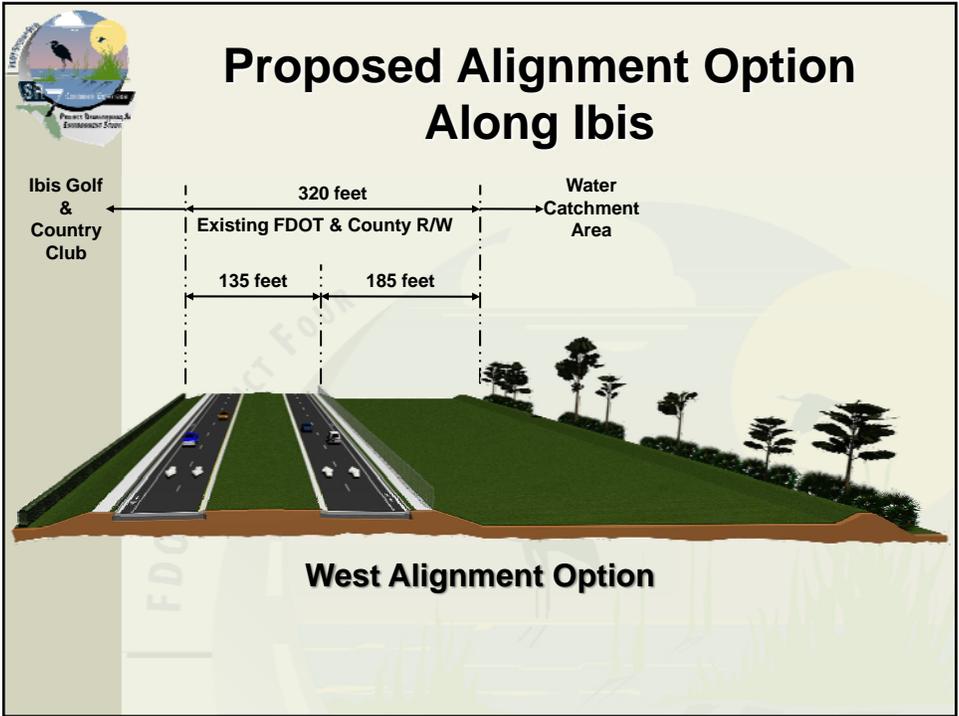


Project Location Map



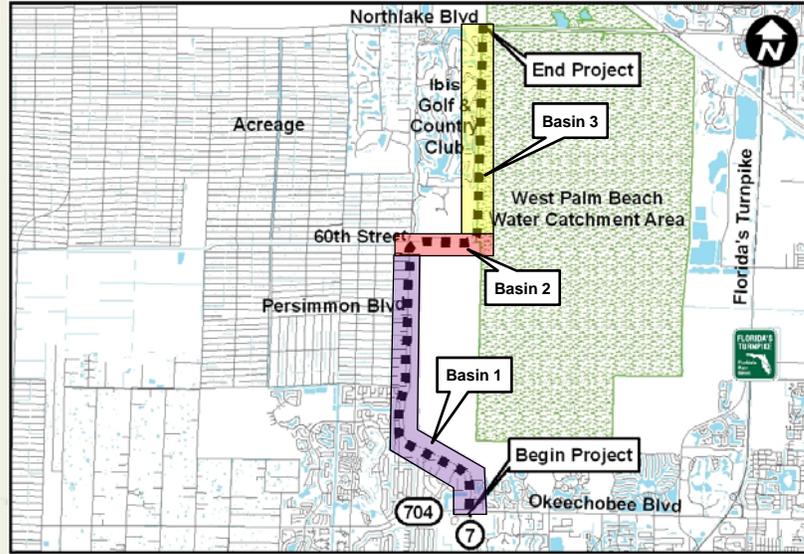
Proposed Alternatives



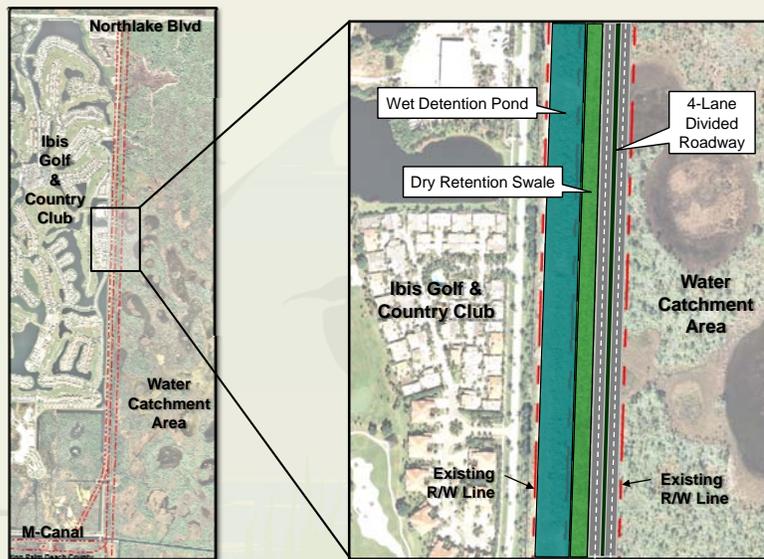


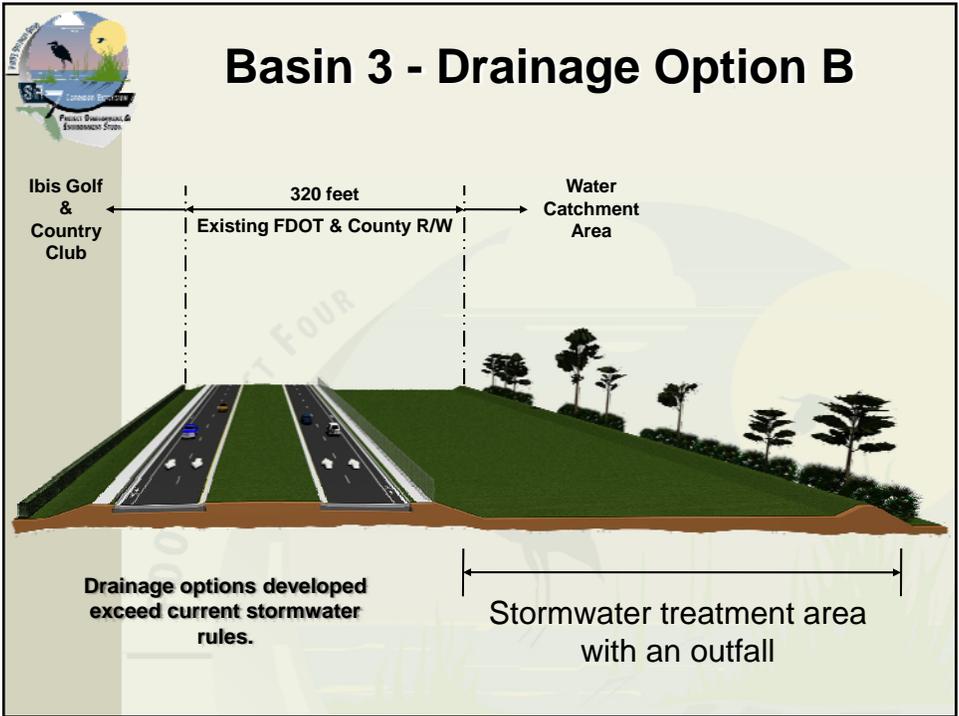
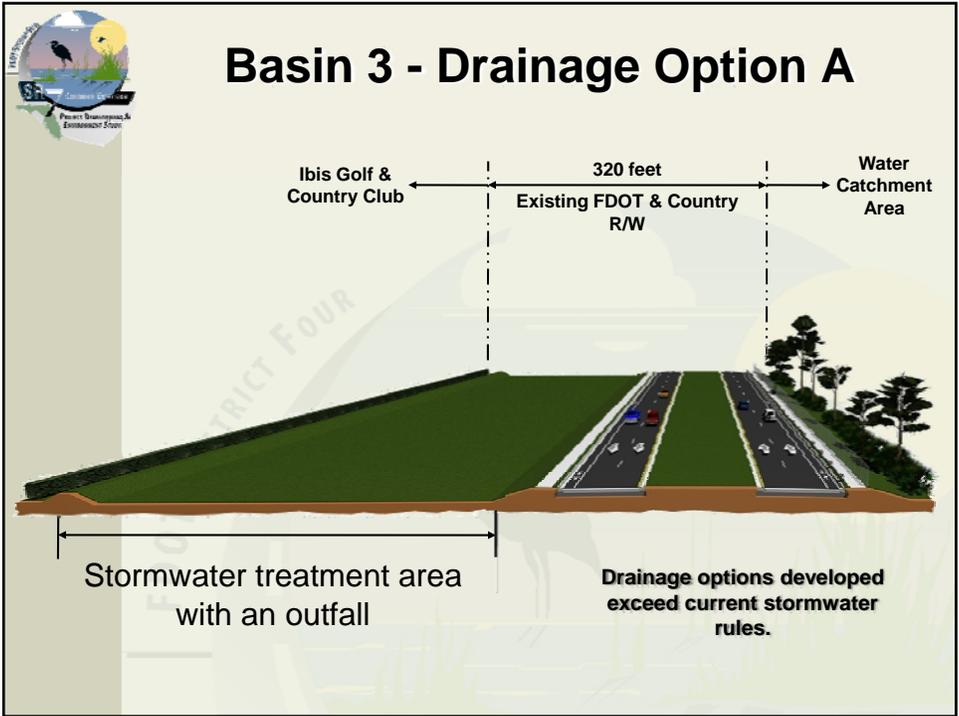


Drainage Basins and Linear Ponds



Basin 3 Drainage System







Environmental Summary

Resource	Okeechobee Blvd to Persimmon	Persimmon Blvd to 60th	60 th to Northlake Blvd
Wetlands			
Acres	n/a ⁽¹⁾	n/a ⁽²⁾	137 acres
UMAM Functional Loss	n/a ⁽¹⁾	n/a ⁽²⁾	105 acres
Protected Species Rating	n/a ⁽¹⁾	n/a ⁽²⁾	Medium
Contamination	n/a ⁽¹⁾	n/a ⁽²⁾	4 sites
Noise Receptors ⁽³⁾	5	0	1 (Amli Apartments)

(1) Impacts already mitigated for under PBC's Western Parkway project

(2) Pending PBC permit for Western Parkway Extension

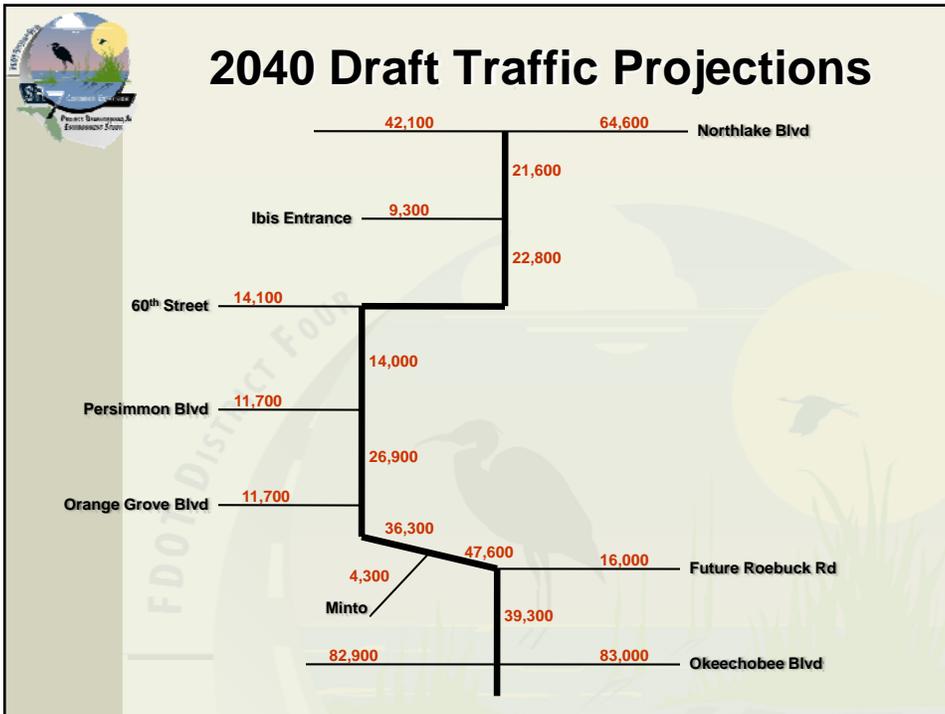
(3) Number of receptors impacted where the 66 dBA threshold is exceeded

Protected Species Rating	
None	No protected species anticipated to occur based on habitat quality; no observations or records
Low	Potential but unlikely presence of protected species
Medium	Indication of species where mitigation is reasonable and possible
High	Indication of species where mitigation is difficult, costly, or not possible



Traffic Analysis

- Traffic analysis consistent with the MPO's 2035 LRTP
 - LRTP recently adopted last fall by the MPO Board.
 - Accounts for changes in population, employment and planned development growth.



-
- Future Activities**
- Public Workshop – May 5, 2010
 - Submit Draft EA to FHWA – Spring 2011
 - Public Hearing – Fall 2011
 - FHWA Location and Design Concept Acceptance (LDCA) – Summer 2012



Questions?

A copy of the presentation is available on the website at
www.sr7extension.com

CITY OF WEST PALM BEACH
OFFICE OF THE CITY CLERK
CITY COMMISSION WORKSHOP
APRIL 26, 2010

The City Commission of the City of West Palm Beach met in workshop session on Monday, April 26, 2010 at 10:19 a.m. at City Hall with the following persons present:

Mayor Lois J. Frankel, President of the Commission Kimberly Mitchell [arrived at 10:24 a.m.], Commissioners Molly Douglas, William Moss, Geraldine Muoio and Isaac Robinson, Jr., City Administrator Edward Mitchell, City Attorney Claudia McKenna and City Clerk Blane Kauthen.

PRESENTATION:

Discussion by the Florida Department of Transportation (FDOT) and City staff regarding the proposed State Road 7 Extension – Senior Planner Alex Hansen introduced FDOT Project Manager Beatriz Caicedo-Maddison. Ms. Caicedo-Maddison [a] introduced Project Manager Aniruddah Gotmare of Jacobs Engineering Group, Inc. and FDOT Director of Planning and Production, District 4 Gerry O'Reilly; [b] made a presentation of the proposed State Road 7 Extension Project, an environmental summary and a traffic analysis; [c] announced that a public workshop regarding this project will be held at the Royal Palm Cultural Center on May 5, 2010 at 5:30 p.m.; and [d] responded to Commission questions. Public comment: Sal Faso. The Mayor stated that she had suggested Administration use Public Utilities funds to fight this project. Commissioner Mitchell suggested the City use the same firm that was used to fight the Callery-Judge development project. Environmental Resources Manager Patrick Painter responded to Commission questions regarding the impact the road extension would have on

the Water Catchment Area. It was the consensus of the Commission to put together a team of staff similar to that which fought Roebuck Road and to contact the City of Palm Beach Gardens for assistance. Commissioner Douglas asked Environmental Resources Manager Patrick Painter to document the endangered species that would be affected by the project.

ADJOURNMENT:

There being no further business to come before the Commission, the meeting was adjourned at 11:17 a.m.

**SR 7 CORRIDOR EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT: Pond Siting Meeting
DATE AND TIME: September 15, 2010 from 2:30 p.m. to 4:00 p.m.
LOCATION: FDOT District 4 Headquarters
ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.
RECORDED BY: Michael Garau, P.E.
PARTICIPANTS: See attached sign-in sheet.

Overview

A meeting was held on September 15, 2010 to reach a consensus on a preferred pond site for the SR 7 Extension project. Ms. Beatriz Caicedo-Maddison, FDOT Project Manager, opened the meeting with a brief overview. Mr. Michael Garau presented the status of the alternatives being considered. A four lane divided facility is proposed from Okeechobee Blvd to Northlake Blvd. Palm Beach County recently completed a two lane roadway from Okeechobee Blvd to Persimmon Blvd. Plans are underway by the County to extend the two lane facility up to 60th Street. Representatives from the South Florida Water Management District (SFWMD) added that the permit for the County's project up to 60th Street would be issued the next day. Under the SR 7 Extension project, this two lane roadway will be widened up to four lanes. The limits of new construction will extend from 60th Street to Northlake Blvd.

Proposed Drainage Concept

Ms. Cyndy Kendrick provided an overview of the three basins located within the project limits. Basin 1 (see figure 1) begins at Okeechobee Blvd and extends up to 60th Street along the County's existing project. Within this basin, the project team proposes to address the drainage needs in accordance with the existing permit obtained by the County.

Basin 2 (see figure 2) extends from 60th Street to the proposed crossing over the M-Canal. Two pond options were presented. Option 2A proposes a series of ponds adjacent to the roadway within the existing right-of-way. Option 2B proposes one pond location within FDOT's right-of-way along the rangeline. There are two outfall options for Basin 2:

1. Outfall into Basin 1.
2. Outfall into the Acreage canal system.

A comment was made that the Village of Royal Palm Beach may not be in favor of having Basin 2 outfall into Basin 1. This would add more water into Basin 1 where it currently outfalls into the Village of Royal Palm Beach lake system. Ms. Caicedo-Maddison mentioned that the Palm Beach County Department of Environmental Resources Management sent a letter explaining their preference for pond option 2A. Mr. Garau added that the County's letter could open an opportunity to outfall directly in the Pond Cypress Natural Area. The letter gave guidance on the requirements for discharging directly into the County's preserve.

Meeting participants agreed to discard Pond Option 2B, however the outfall will need further coordination.

Basin 3 extends from the M-Canal up to Northlake Blvd. Two possible pond locations were presented. The first option is to locate the pond between the Ibis Golf & Country Club and the road. The second option is to locate the pond between the road and the Water Catchment Area. There is adequate right-of-way within this area for linear ponds with various outfall opportunities. Those include the following:

1. Outfall into the Ibis lake system.
2. Outfall into the Ibis preserve.

Representatives from the Northern Palm Beach County Improvement District (NPBCID) did not think that an outfall directly into the Ibis preserve would be a viable option. Discharge into the Ibis lake system is the preferred method provided that the existing permit limitations are not exceeded. Furthermore, NPBCID prefers to locate the outfall on the south side of Ibis so that the discharge is upstream of only one pump station instead of two pump stations.

Mr. Garrett Lips stated the Army Corps' preference for the west alignment since it could result in less secondary impacts. Ms. Trisha Stone stated that the SFWMD would require a review of 250 feet on each side of the right-of-way line for secondary impacts. The SFWMD would not see a difference between the east and west alignment since both would result in the same amount of disturbed area.

Meeting participants agreed to move forward with locating the outfall into the Ibis Lake system. No decision was reached between the east and west alignment.

Key Decisions

Below is a summary of the key decisions made related to drainage:

1. Pond Option 2B was discarded. Pond Option 2A will proceed as the preferred pond location for Basin 2.
2. The outfall for Basin 2 needs further coordination.
3. Basin 3 will outfall into the Ibis lake system provided that the existing permit requirements are not exceeded.

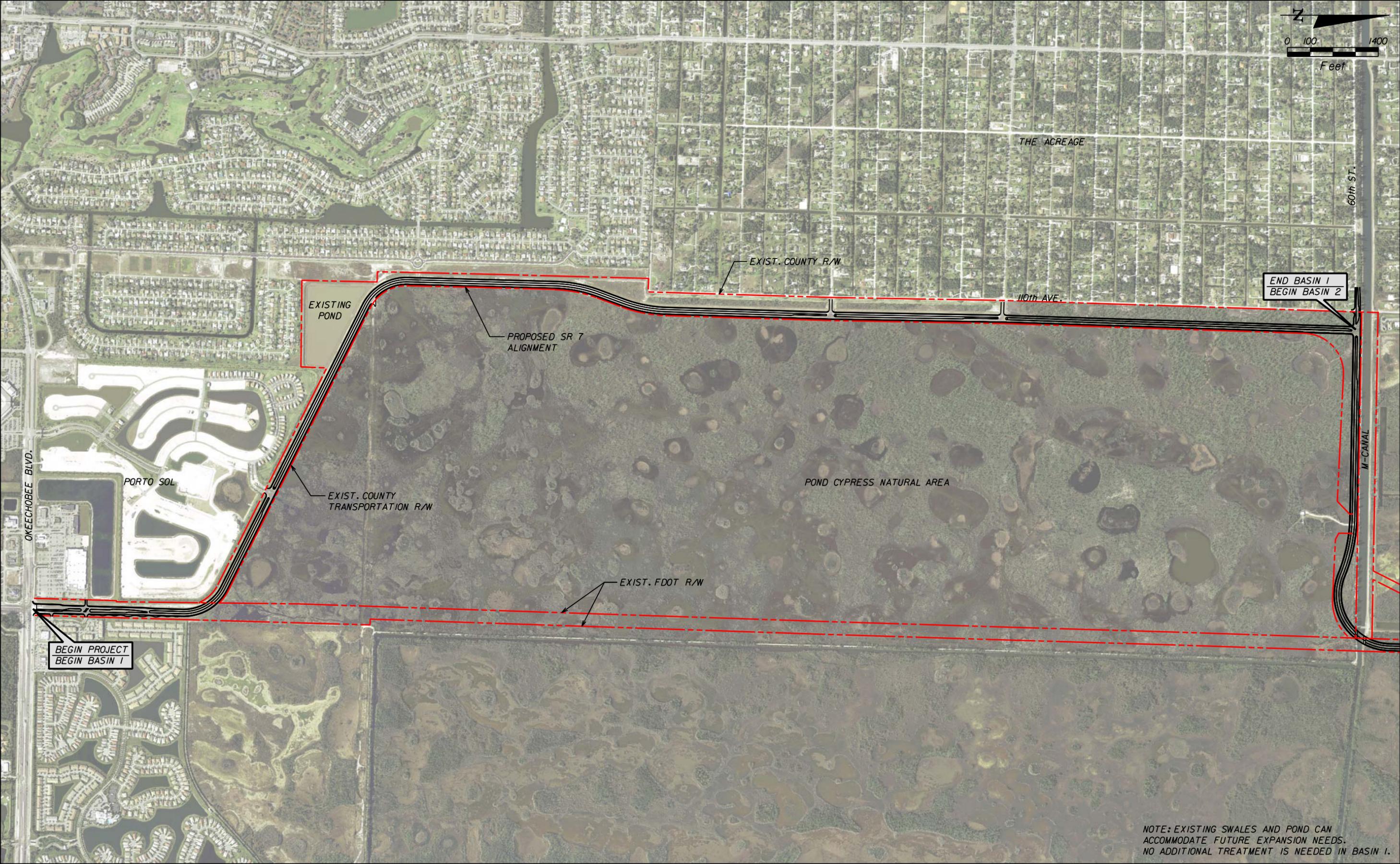
Action Items

1. Determine preferred outfall for Basin 2.
2. Determine preferred alternative for Basin 3.

Meeting adjourned at 4:00 p.m.

SR7 Pond Siting Meeting
9/15/10

<u>Name</u>	<u>Representing</u>	<u>email</u>
Michael Garau	Jacobs	michael.garau@jacobs.com
Lynn Kelley	FDOT PLEM	lynn.kelley@dot.state.fl.us
Sandy Scheda	Scheda/Jacobs	SScheda@scheda.com
Kimberly Leser	ARCADIS/NPBCTD	kleser@arcadis-us.com
Renaud Olivier	STANLEY CONSULTANTS	olivier.renaud@stanleygroup.com
Kathleen Farrell	Palm Beach County	kfarrellepbcgov.com
Trisha Stone	SFWMD	tstone@sfwmd.gov
James Poole	FDOT	james.poole@dot.state.fl.us
Rosemary Ellingsdal	SFWMD	relling@sfwmd.gov
Carlos de Rojas	SFWMD	cderojas@sfwmd.gov
Cyndy Kendrick	Stanley Consultants	Kendrickcyndia@stanleygroup.com
Ann Broadwell	FDOT - PLEM	ann.broadwell@dot.state.fl.us
RON WALLACE	FDOT - DESIGN	ronald.wallace@dot.state.fl.us
Ryan Maroney	FDOT - R/W	ryan.maroney@dot.state.fl.us
DAN FURNS	STANLEY	furnsdaniel@stanleygroup.com
Kerry Hymowitz	FDOT - OMD	kerry.hymowitz@dot.state.fl.us
CHARLES MANGAWARO	FDOT - DIST CONST	CHARLES.MANGAWARO@dot.state.fl.us
DAN BEATTY	NPBCTD	DAN@NPBCTD.ORG
Garrett Lips	CORPS OF ENGINEERS	Garrett.G.Lips@usace.army.mil



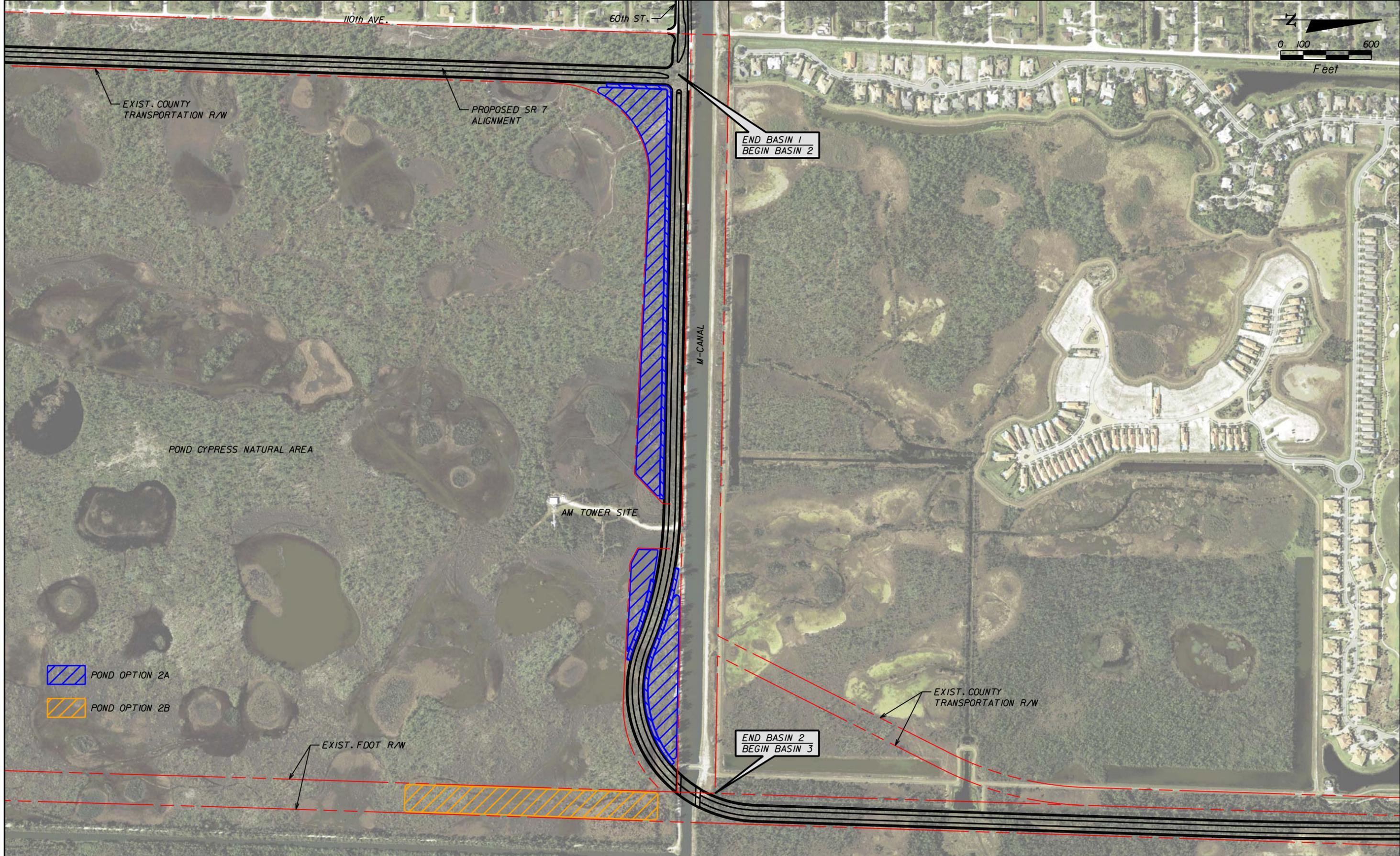
NOTE: EXISTING SWALES AND POND CAN ACCOMMODATE FUTURE EXPANSION NEEDS. NO ADDITIONAL TREATMENT IS NEEDED IN BASIN 1.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 7	PALM BEACH	229664-2-22-01

DRAINAGE BASIN 1

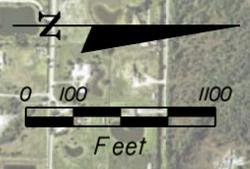
SHEET NO.
1



REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	
				SR 7	PALM BEACH	229664-2-22-01	2

DRAINAGE BASIN 2

USER: haydenm 9/14/2010 10:32:29 AM J:\2006 Projects\060046.001\Cad\22966422201\concepts\Drainage\Drainage Basin 2.dgn



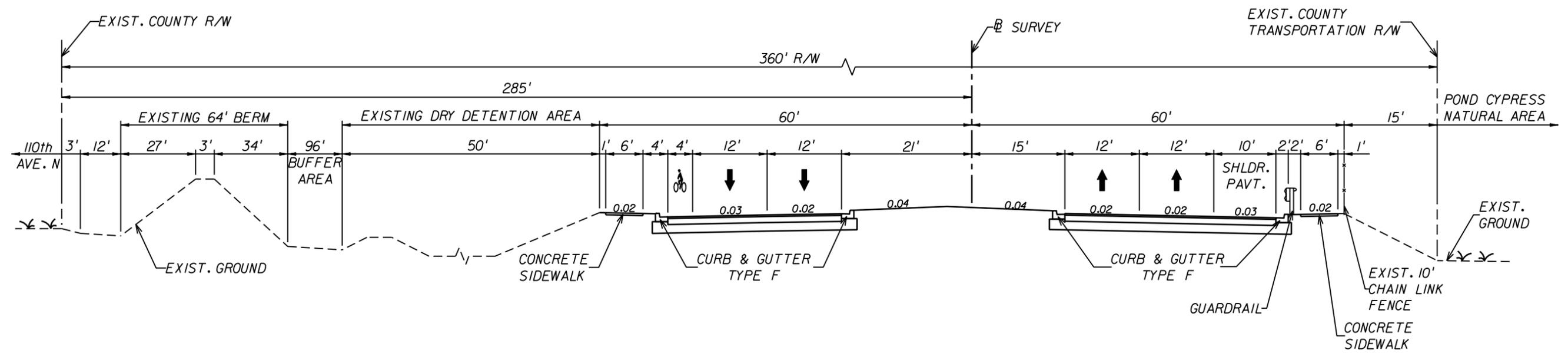
GRASSY WATERS PRESERVE
(WPB WATER CATCHMENT AREA)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 7	PALM BEACH	229664-2-22-01

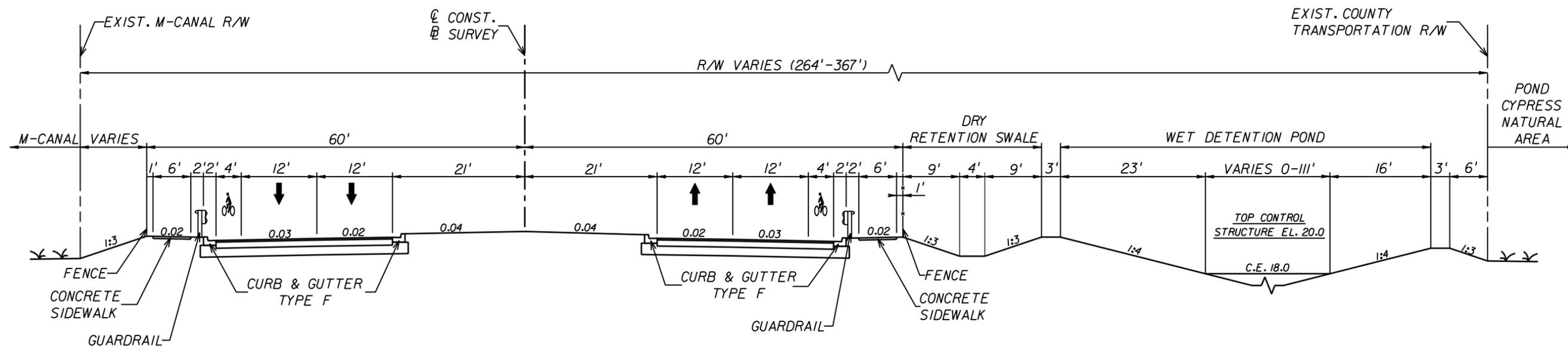
DRAINAGE BASIN 3

SHEET NO. 3



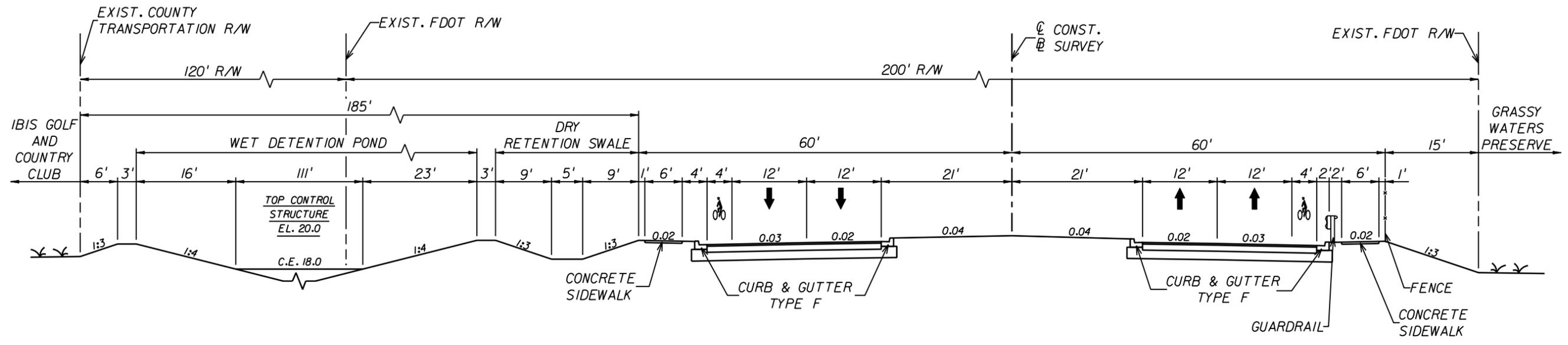
N.T.S.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE BASIN 1 TYPICAL SECTION 1	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 7	PALM BEACH	229664-2-22-01		



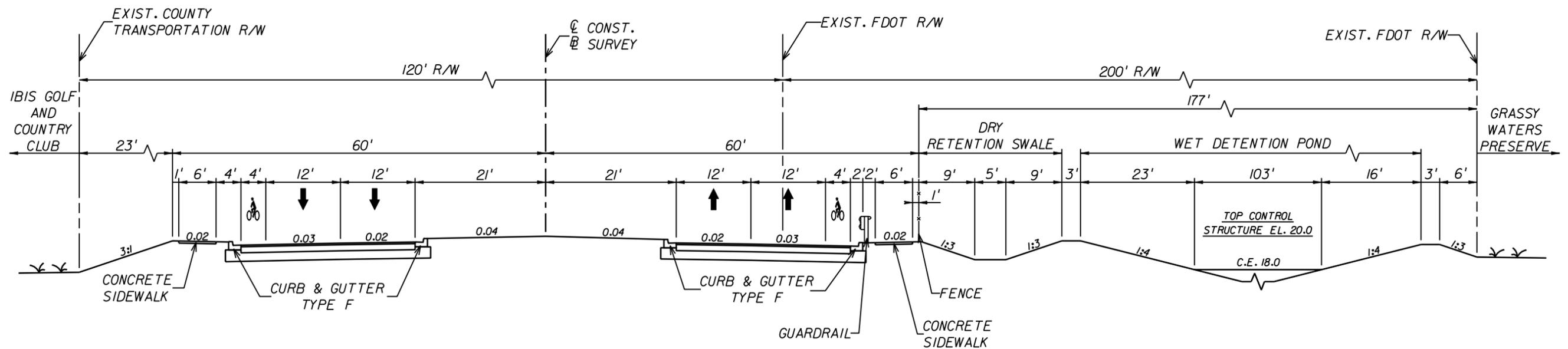
N.T.S.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE BASIN 2 TYPICAL SECTION	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 7	PALM BEACH	229664-2-22-01		



N.T.S.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE BASIN 3 TYPICAL SECTION OPTION 3A	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 7	PALM BEACH	229664-2-22-01		6



N.T.S.

REVISIONS				STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			DRAINAGE BASIN 3 TYPICAL SECTION OPTION 3B	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				SR 7	PALM BEACH	229664-2-22-01		

Pond Siting Matrix

Date: 9/23/2010

Project Description	SR 7 Extension - Project Development & Environmental Study						Impact Grade:		3-High Impact 2-Medium Impact 1-Low Impact 0-No Impact	
Pond Site	Basin 2 Alternative									
Basin Description	Limits are from proposed intersection of 60th Street to M-Canal crossing (1 mile approximately)									
Factor	ALTERNATIVE DESCRIPTION/ISSUES TO CONSIDER									
	2A(T-Int.) Linear Pond within road right-of-way south of M-Canal	Cost	Impact Grade	2B-Pond located within FDOT right-of-way south of M-Canal	Cost	Impact Grade	2A(Rnbt.)-Linear Pond within road right-of-way south of M-Canal & Basin 1 buffer area just south of 60th Street	Cost	Impact Grade	
Right-of-way (Zoning, Parcel No., Development issues, Relocations, Business and/or Residential Impacts, etc.)	Located in Palm Beach County property reserved for transportation / drainage purposes. No impacts or costs anticipated	\$0	0	Located in Palm Beach County property reserved for transportation / drainage purposes. No impacts or costs anticipated	\$0	0	Located in Palm Beach County property reserved for transportation / drainage purposes. No impacts or costs anticipated	\$0	0	
Wetland impacts (High, Medium or Low value, UMAM scores)	Approximately 99% coverage is wetlands of high quality (herbaceous and forested). UMAM calculated Functional Loss = 6.61		3	100% coverage is wetlands of high quality (herbaceous and forested). UMAM calculated Functional Loss = 4.70		3	Approximately 81% coverage is wetlands of high quality (herbaceous and forested). UMAM calculated Functional Loss = 4.96		3	
Section 4(f)	Not anticipated.		0	Not anticipated.		0	Not anticipated.		0	
Flood Zone FEMA	Zone B - No Impact		0	Zone B -No Impact		0	Zone B -No Impact		0	
Wildlife impacts (Threatened, Endangered or Significant, Mitigation costs)	Foraging habitat for Florida sandhill crane, wood stork, wading birds, and least terns; consultation area for snail kite, crested caracara, Florida scrub-jay, and red-cockaded woodpecker; within core foraging area for three wood stork colonies		2	Foraging habitat for Florida sandhill crane, wood stork, wading birds, and least terns; consultation area for snail kite, Florida scrub-jay, and red-cockaded woodpecker; within core foraging area for three wood stork colonies		2	Foraging habitat for Florida sandhill crane, wood stork, wading birds, and least terns; consultation area for snail kite, Florida scrub-jay, and red-cockaded woodpecker; within core foraging area for three wood stork colonies		2	
Cultural Resources (Archaeological, historical sites)	No presence of archeological or historic resources identified.		0	No presence of archeological or historic resources identified.		0	No presence of archeological or historic resources identified.		0	
Contamination and Hazardous materials	none		0	none		0	none		0	
Drainage Considerations (outfall location, piping needs, pond location in basin, floodplain impacts, etc.)	Outfall into Basin 1 or Acreage canal system. Additional piping needed (approx. 1700') to outfall into Acreage.		0	Pond is located at east end of basin. Outfall is into Water Catchment Area. Potential for larger pipe sizes to reach pond location. PBC ERM object to this option.		2	Outfall into Basin 1 or Acreage canal system. Impacts storage available for Basin 1. Additional piping needed to outfall into Acreage.		0	
Construction issues	Construction in wetland area.		1	Construction access limited. Pond located between Pond Cypress Natural Area and Water Catchment Area.		2	Construction in wetland area.		1	
Noise issues	Pond location will not impact noise abatement measures.		0	Pond location will not impact noise abatement measures.		0	Pond location will not impact noise abatement measures.		0	
Maintenance issues	Maintenance costs unknown. No access issues identified.		0	Maintenance costs unknown. Limited access due to proximity between Pond Cypress Natural Area and Water Catchment Area.		1	Maintenance costs unknown. No access issues identified.		0	
Utility issues	No utilities identified.		0	No utilities identified.		0	No utilities identified.		0	
Public Well Field	None		0	None		0	None		0	
Public Opinion	4 Comments Rec'd in support @ Public Mtg.		0	No comments from Public Meeting		1	4 Comments Rec'd in support @ Public Mtg.		0	
Total Applicable Costs										
Total Score			6			11			6	
Ranking										
Recommendation										

Pond Siting Matrix

Date: 9/23/2010

Project Description	SR 7 Extension - Project Development & Environmental Study						Impact Grade: 3-High Impact 2-Medium Impact 1-Low Impact 0-No Impact		
Pond Site	Basin 3 Alternative								
Basin Description	Limits are from M-Canal crossing to Northlake Blvd. (approx. 3 miles)								
Factor	ALTERNATIVE DESCRIPTION/ISSUES TO CONSIDER								
	3A-Linear Pond within road right-of-way between Ibis and proposed roadway. Outfall into Ibis lake system.	Cost	Impact Grade	3B-Linear Pond within road right-of-way between Water Catchment Area and proposed roadway.	Cost	Impact Grade	3C-Linear Pond within road right-of-way between Ibis and proposed roadway. Outfall into Ibis Preserve.	Cost	Impact Grade
Right-of-way (Zoning, Parcel No., Development issues, Relocations, Business and/or Residential Impacts, etc.)	Located in FDOT and Palm Beach County owned right-of-way	\$0	0	Located in FDOT and Palm Beach County owned right-of-way	\$0	0	Located in FDOT and Palm Beach County owned right-of-way	\$0	0
Wetland impacts (High, Medium or Low value, UMAM scores)	Approximately 70% coverage is wetlands; 32% of which are of high quality (herbaceous and forested). UMAM calculated Functional Loss = 17.29		3	Approximately 75% coverage is wetlands; of which 36% are of high quality (herbaceous and forested). UMAM calculated Functional Loss = 16.90		3	Approximately 70% coverage is wetlands; of which 32% are of high quality (herbaceous and forested). UMAM calculated Functional Loss = 17.29		3
Section 4(f)	Not anticipated.		0	Not anticipated.		0	Possible Section 4(f) issues. Pond directly outfalls into Ibis Preserve.		1
Flood Zone FEMA	Zone B - No Impact		0	Zone B - No Impact		0	Zone B - No Impact		0
Wildlife impacts (Threatened, Endangered or Significant, Mitigation costs)	Foraging habitat for Florida sandhill crane, wood stork, wading birds, and least terns; consultation area for snail kite, Florida scrub-jay, and red-cockaded woodpecker; within core foraging area for three wood stork colonies		2	Foraging habitat for Florida sandhill crane, wood stork, wading birds, and least terns; consultation area for snail kite, Florida scrub-jay, and red-cockaded woodpecker; within core foraging area for three wood stork colonies		2	Foraging habitat for Florida sandhill crane, wood stork, wading birds, and least terns; consultation area for snail kite, Florida scrub-jay, and red-cockaded woodpecker; within core foraging area for three wood stork colonies		2
Cultural Resources (Archaeological, historical sites)	No presence of archeological or historic resources identified.		0	No presence of archeological or historic resources identified.		0	No presence of archeological or historic resources identified.		0
Contamination and Hazardous materials	none		0	none		0	none		0
Drainage Considerations (outfall location, piping needs, pond location in basin, floodplain impacts, etc.)	Outfall into Ibis lake system. Existing Ibis permit allows for 46.8 acres of road right-of-way into system.		0	Outfall into Ibis lake system. Existing Ibis permit allows for 46.8 acres of road right-of-way into system.		1	Outfall into Preserve spreader swale location. No outfall into Ibis system; no credit taken for road right-of-way per Ibis permit.		1
Construction issues	Construction in wetland area.		1	Construction in wetland area.		1	Construction in wetland area.		1
Noise issues	Pond location will not impact noise abatement measures.		0	Pond location will not impact noise abatement measures.		0	Pond location will not impact noise abatement measures.		0
Maintenance issues	Maintenance costs unknown. No access issues identified.		0	Maintenance costs unknown. No access issues identified.		0	Maintenance costs unknown. No access issues identified.		0
Utility issues	Possible impact to existing water main.		1	No utilities identified.		0	Possible impact to existing water main.		1
Public Well Field	None		0	None		0	None		0
Public Opinion	3 Comments Rec'd in support @ Public Mtg.		0	ACOE representative in support @ Public Mtg.		1	3 Comments Rec'd in support @ Public Mtg.		0
Total Applicable Costs									
Total Score			7			8			9
Ranking									
Recommendation									

**SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT: Meeting with City of West Palm Beach to discuss M-Canal Requirements
DATE AND TIME: October 7, 2010 from 10:00 a.m. to 11:00 a.m.
LOCATION: City of West Palm Beach Office
ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.
RECORDED BY: Michael Garau, P.E.
PARTICIPANTS: Jonathan Bramley (WPB), Vincent Noel (WPB), Dean Laudermilk (WPB), Beatriz Caicedo-Maddison (FDOT), Michael Garau (Jacobs), Doug Norris (Jacobs)

A meeting was held between the Florida Department of Transportation and the Engineering Services Department of the City of West Palm Beach to discuss the requirements or preferences for crossing over the M-Canal. Below are the comments and discussion items made during the meeting:

1. A flow of 450 cfs needs to be maintained through the M-Canal.
2. A crossing over the M-Canal should provide enough clearance for an airboat. Exact airboat clearance requirements should be confirmed with Pat Painter.
3. Pat Painter is responsible for the spraying of the canal. Specific maintenance requirements should be confirmed with him.
4. The City requires a license agreement to approve the crossing. This agreement must be signed and approved by the City Commission.
5. The City has an easement on top of the 80-ft strip of land owned by the County. The strip of land runs adjacent to the M-Canal along the south bank. This may not be an issue if access to the canal is maintained.
6. A suggestion was made from the City to rebuild the control structure to carry traffic across the M-Canal. Pat Painter will need to be consulted on this idea.
7. The City is considering a trail system that will cross the canal near the proposed bridge location.

Meeting adjourned at 11:00 a.m.

**SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT: Multi-Agency Coordination Meeting

DATE AND TIME: January 26, 2011 from 8:30 a.m. to 11:00 a.m.

LOCATION: City of West Palm Beach Watershed Management Division Office

ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.

RECORDED BY: Michael Garau, P.E.

PARTICIPANTS: Beatriz Caicedo-Maddison (FDOT), Ann Broadwell (FDOT), Lynn Kelly (FDOT), John Wrublik (USFWS), Garrett Lips (ACOE), Patrick Painter (WPB), Aniruddha Gotmare (Jacobs), Michael Garau (Jacobs), Sandy Scheda (Scheda), Joel Johnson (Scheda)

A meeting was held between the Florida Department of Transportation, US Fish and Wildlife Service (USFWS), US Army Corp of Engineers (ACOE), and City of West Palm Beach Watershed Management Division to determine the type of information that needs to be presented in the environmental documents.

John Wrublik stated that the USFWS will be concerned with the wood stork and snail kite. Multiple survey events may be necessary depending on how far off construction is scheduled for. A wood stork foraging assessment is not necessary for the Endangered Species Biological Assessment (ESBA) but will be necessary for permitting.

John Wrublik asked how the preferred corridor was selected and why Corridor 1 was eliminated. Beatriz Caicedo-Maddison responded that the corridor selection process involved extensive coordination with the public and permitting agencies. Corridor 1 was preferred by the agencies but Corridor 4 was preferred by the public. Based on the information available at the time, either one of those options could have resulted in the No-Build. Corridor 1 was controversial due to the extensive right-of-way and residential impacts. Corridor 4 would not have been permitted due to the potential bifurcation of the natural areas. This led the decision to move forward with Corridor 3 as it was acceptable to the agencies and public for further consideration. Garrett Lips added that the story of how Corridor 3 was selected should be in the documents. FDOT also needs to explain the history of the mitigation sites that are now adjacent to the project.

Pat Painter described the mitigation work adjacent to the FDOT right of way. No new restoration work is planned. Garrett Lips added that the ACOE will consider impacts to adjacent mitigation sites during the permitting process. This includes both direct and secondary impacts.

Pat Painter is concerned with losing his UMAM functional score on the restoration areas.

Beatriz Caicedo-Maddison stated that we will always consider the no-build option. In case the project moves forward, how can we avoid impacting existing mitigation? Garrett Lips suggested to reduce the typical section/footprint of the project. Beatriz Caicedo-Maddison responded that the wide typical was developed to accommodate future stormwater rules. Pat Painter suggested creating a buffer with 95-99% opacity – could be accomplished with a buffer of mature trees.

Garrett Lips suggested a low level bridge that would allow stormwater treatment underneath.

John Wrublik asked if the road will go to SR 710. Beatriz Caicedo-Maddison responded that the segment between Northlake Blvd and SR 710 has been removed from the MPO's plan. Garrett Lips feels that it should be discussed in the EA document as a cumulative impact. Beatriz Caicedo-Maddison responded that a statement will be made in the report that the segment north of Northlake Boulevard is not in the long range plan.

Garett Lips stated that the biggest question, from the ACOE's perspective, is what are the impacts to the mitigation areas. The ACOE automatically denies permits if a project includes impacts to existing mitigation sites even if it just includes secondary impacts.

Pat suggested that FDOT consider a parkway concept. Pat wants to see all County developments considered in cumulative impacts. Also consider "bio-swales."

Garett Lips added that Roebuck Road was denied because of secondary impacts to mitigation areas. There were no direct impacts.

Beatriz Caicedo-Maddison concluded the meeting by thanking everyone for their input and committed to continue working together.

A field review was conducted after the meeting.

Meeting adjourned at 11:00 a.m.



SIGN-IN SHEET

SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE: Multi-Agency Coordination Meeting

DATE: 01-26-11

NAME	REPRESENTING	PHONE	EMAIL
Michael Garau	Jacobs	954 246-1230	michael.garau@jacobs.com
Joel Johnson	Scheda	813 989-7602	jjohnson@scheda.com
Sandy Scheda	Scheda	813-989-9600	SScheda@scheda.com
John Wrublik	USFWS	772 522 3909 x282	John_Wrublik@fws.gov
Lynn Kelley	FOOT	954-777-4354	lynn.kelley@dot.state.fl.us
Ann Broadwell	FOOT	954-777-4325	ann.broadwell@dot.state.fl.us
Garett Lips	ACOE	561 472 3519	garett.g.lips@usace.army.mil
Patrick I. D'Sinister	City of W.P.D	(561) 248-5125	psinister@wpb.org
Aniruddha S. Gotmare	JACOBS	(954) 246-1222	aniruddha.gotmare@jacobs.com
Beatriz Careedo	FDOT	954 777 4336	beatriz.careedo@dot.state.fl.us



**SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT:	SR 7 Extension PD&E coordination meeting with the City of West Palm Beach to discuss M-Canal crossing requirements
DATE AND TIME:	March 2, 2011 from 9:30 a.m. to 11:00 a.m.
LOCATION:	City of West Palm Beach Watershed Management Division Office
ORIGINATED BY:	Beatriz Caicedo-Maddison, P.E.
RECORDED BY:	Michael Garau, P.E.
PARTICIPANTS:	Jackson Loebig (WPB), Doug Chambers (WPB), Frank Fusiek (WPB), David Hanks (WPB), Jonathan Bramley (WPB), Vincent Noel (WPB), Patrick Painter (WPB), George Webb (PBC), Beatriz Caicedo-Maddison (FDOT), Michael Garau (Jacobs)

A meeting was held between the Florida Department of Transportation, City of West Palm Beach, and Palm Beach County to continue with the SR 7 Extension PD&E coordination efforts for the crossing over the M-Canal. This meeting was a follow-up to a previous meeting with the City on October 7, 2010 (see attached minutes). Beatriz Caicedo-Maddison, FDOT Project Manager, provided an overview of the project history and alternatives. Below are the comments and discussion items made during the meeting:

1. The City of West Palm Beach asked if the DRIs were included within the traffic analysis. A response was made that the Palm Beach Metropolitan Planning Organization (MPO) Long Range Transportation Plan (LRTP) has been updated and no longer includes the DRIs near the project corridor such as Scripps and Vavrus Ranch. However, some density was applied to those properties. Traffic on Northlake Blvd, between SR 7 and the Beeline is expected to be the same with or without the project.
2. The City asked about the possibility of SR 7 connecting with the Beeline. Beatriz responded that there are no plans to extend up to the Beeline. It is not identified within the MPO's LRTP. George Webb added that, if an urban interchange at Northlake and the Beeline is constructed, then there would probably be no interest in extending SR 7 up SR 710.
3. The City asked about the remaining schedule and activities. Beatriz responded that the documents will be submitted to the Federal Highway Administration (FHWA) for review and approval for public availability and then a Public Hearing will be scheduled. The Public Hearing is expected to occur in November or December of this year to accommodate seasonal residents. It provides the opportunity for the public to comment on all of the proposed alternatives, including the no-build. After the Public Hearing, a preferred alternative will be selected and then sent to the FHWA for their approval. If the project is approved, then the FHWA will grant Location and Design Concept Acceptance (LDCA) for the project. This decision is expected by the summer of 2012.
4. The City asked about an opportunity to comment on the Environmental Assessment (EA) report. Beatriz responded that the EA will include the coordination efforts with the City and other agencies. The EA will present all of the alternatives considered, including the No-Build, during the PD&E and will not include a final recommendation. It will then be submitted to FHWA for review. After all of the comments from the FHWA have been addressed, the FHWA will give its concurrence that the assessment of impacts is complete and that the project is ready to move forward to the Public Hearing. Thirty days before the Public Hearing, the report will be available for review. It is at the Public Hearing where these findings are presented and where comments are solicited.

After the Public Hearing and after the comments have been reviewed, a recommendation will be made for a preferred alternative. This recommendation, along with a transcript of the Public

Hearing, will be submitted to the FHWA for approval and acceptance. After the Public Hearing, a final document will be prepared with a recommendation for a preferred alternative based on the findings of the EA and Public Hearing input. This report will be accompanied by the Public Hearing transcript.

5. Beatriz stated that the main purpose of the meeting was to receive feedback as to the City's requirements for the M-Canal crossing. The City responded that they need an internal meeting before their input is provided. Beatriz asked that the City staff provide their input within the next 30 days.

Meeting adjourned at 11:00 a.m.



SIGN-IN SHEET

SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE: West Palm Beach Coordination

DATE: 3-2-11

NAME	REPRESENTING	PHONE	EMAIL
Michael Garau	Jacobs	954 246-1230	michael.garau@jacobs.com
Jackson Coetzee	WPB/WTP	561-822-2263	JCOETZEE@WPB.ORG
Doug Chambers	WTP-Operations Coordinator	561-267-8384	dchambers@wpb.org
Vince Noel	Eng. Services	561-494-1096	vnocle@wpb.org
Frank Fusiek	CWPB	561-835-7485	FFUSIEK@WPB.ORG
APRIL SPINSTER	CWPB	(561) 248-5125	spinster@wpb.org
Beatriz Corcedo - M	F DOT	954 777 4336	beatriz.corcedo@dot.state.fl.us
GEORGE WEBB	PRC RUG	561-355-2006	6WEBB@PRCCOV.ORG
Jonathan Bramley	CWPB	561 494 1089	jbramley@wpb.org
David Hanks	CWPB	561 494 1046	dhanks@wpb.org

**SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT: Agency Coordination Meeting

DATE AND TIME: April 6, 2011 from 10:30 a.m. to 12:30 p.m.

LOCATION: South Florida Water Management District Office

ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.

RECORDED BY: Michael Garau, P.E.

PARTICIPANTS: Beatriz Caicedo-Maddison (FDOT), Lynn Kelley (FDOT), Ann Broadwell (FDOT), Rob Hopper (SFWMD), Barbara Conmy (SFWMD), Caroline Hanes (SFWMD), Greg Juszli (Scheda), Sandy Scheda (Scheda), Aniruddha Gotmare (Jacobs), Michael Garau (Jacobs)

A meeting was held between the Florida Department of Transportation (FDOT) and the South Florida Water Management District (SFWMD) to provide a project update, review the details of wetland impacts (direct and secondary), and identify any additional wetland mitigation options. Beatriz Caicedo-Maddison, FDOT Project Manager, provided an overview of the project and schedule. The Public Hearing is tentatively scheduled for the end of the year and the design phase is already underway (at-risk). Below are the comments and discussion items made during the meeting:

1. Sandy Scheda gave a status of the wetland evaluation and mapping effort. Wetlands were mapped out to 300 feet and calculated out to 250 feet. Barbara Conmy commented that if the wetlands are calculated for another 50 feet, could the UMAM delta go down to zero? Barbara stated that she would need some reassurance as to how far you need to go to get to zero.
2. Caroline Hanes requested that the team reclassify the melaleuca wetland. Should be reclassified as a native plant and assign a lower quality due to melaleuca presence.
3. Sandy asked what the SFWMD would need to review in detail. Barbara responded to include UMAM score sheets and go out the extra 50 feet.
4. Beatriz asked if there is a difference between the east and west alignment options from an impact perspective. Barbara responded that putting the road towards the east side would increase secondary impacts. Ann added that abandoning Corridor 4 during the corridor phase was the biggest avoidance measurement.
5. Sandy stated that we need to agree on the line work to avoid reiterations. A meeting will be scheduled with Rob Hopper to verify the line work.
6. Concerning mitigation, the team is looking for SFWMD's help in adding mitigation options and eliminating some. Barbara added that who owns what matters. The wetland type needs to match with the area impacted. In addition, the mitigation needs to be compelling. Need to consider cumulative impacts. Need to be careful since the project is on the edge of a basin. Some of the mitigation options proposed are in different basins.

Meeting adjourned at 12:30 p.m.

SR 7 CORRIDOR EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES



SUBJECT:	Floodplain/13 Point Concurrency Meeting with FDOT and FHWA
DATE AND TIME:	June 6, 2011 from 4:00 p.m. to 5:00 p.m.
LOCATION:	FDOT District 4 Headquarters
ORIGINATED BY:	Beatriz Caicedo-Maddison, P.E.
RECORDED BY:	Michael Garau, P.E.
PARTICIPANTS:	Beatriz Caicedo-Maddison (FDOT), Richard Young (FDOT), Ann Broadwell (FDOT), Michael Garau (Jacobs), Daphne Spanos (Jacobs), Cyndy Kendrick (Stanley Consultants), Bill Evans (Stanley Consultants), Mark Clasgens (FHWA)

A meeting was held with Federal Highway Administration (FHWA) to discuss the floodplains and 13 point concurrency list for the SR 7 Extension PD&E Study.

Beatriz opened the meeting with introductions and gave an overview of the project, using a Power Point presentation. Michael continued with the project overview. Both of them discussed the project history, alternatives, typical sections, right of way, drainage, environmental issues, access management, intersection options, and public input. Some of these issues are described in more detail below.

This PD&E Study is an Environmental Assessment, and the study corridor is 8.5 miles long. The project's primary purpose is to improve system linkage between Okeechobee Boulevard and Northlake Boulevard.

The project team originally used traffic data from the 2030 Long Range Transportation Plan (LRTP), but updated the traffic using the 2035 LRTP data.

A project location map was handed out which explains how the project is conceptually divided into two segments, Segment 1 and Segment 2. The limits of Segment 1 are Okeechobee Boulevard to 60th Street and the limits of Segment 2 are 60th Street to Northlake Boulevard. Within Segment 1, the PD&E Study's Build alternative includes the widening of the existing County's extension of SR 7 from two to four lanes. Within Segment 2, the Build alternative includes a new 4 lane roadway, with three alignments under consideration: a west, center, and east alignment. Roadway typical sections in Segment 1 and Segment 2 provide sidewalks and bike lanes on both sides of the roadway. A No Build alternative is also part of the study. After the Public Hearing, a preferred alternative will be documented. The Public Hearing is scheduled for January 2012.

Mark asked what the design speed of the project is. Beatriz said 45 mph, but 25 mph at the proposed roundabout locations. Beatriz mentioned that the Ibis community prefers the roundabout and the eastern alignment.

Regarding the right of way, FDOT owns 200 feet of right of way for the SR 7 corridor from Okeechobee Boulevard to Northlake Boulevard. Beatriz mentioned that the developer of the Ibis community also gave 120 feet of right of way at the eastern edge of the community for the transportation needs of the SR 7 extension project and that residents should have known about this or had this information in their deeds. Michael also discussed the right of way issues at the M-Canal, regarding a skewed versus straight bridge crossing. A skewed bridge would not involve any encroachment into the Pond Cypress Natural Area but would require the bridge over the M-Canal to be located outside of the FDOT right of way. A straight bridge would stay within FDOT's right of way, but would infringe on the Pond Cypress Natural Area.

Beatriz discussed how the corridor alignment was chosen through public input and in coordination with FHWA. FDOT's existing 200 foot right of way would allow the SR 7 extension to be constructed in a straight line (north-south), also called the "Range Line" Alignment, but this corridor was opposed by the environmental agencies and later discarded. Other proposed corridors were adjacent to the western edge of the Ibis Golf and Country Club community, but due to public opposition, were also discarded. The

corridor chosen to progress in the PD&E study follows the County's existing alignment, goes parallel to the M-Canal, crosses the M-Canal, and follows the eastern edge of the Ibis Golf and Country Club Community until Northlake Boulevard (Corridor 3).

Beatriz mentioned that the Acreage community at first was opposed to the project, but now supports it. The Ibis Community is still generally opposed to the project.

Cyndy explained the floodplains map. The project is in Zone B; therefore, there are no floodplain encroachments. Cyndy handed out a floodplain graphic to show this.

Michael then covered the 13 point concurrency list, which is attached in the agenda.

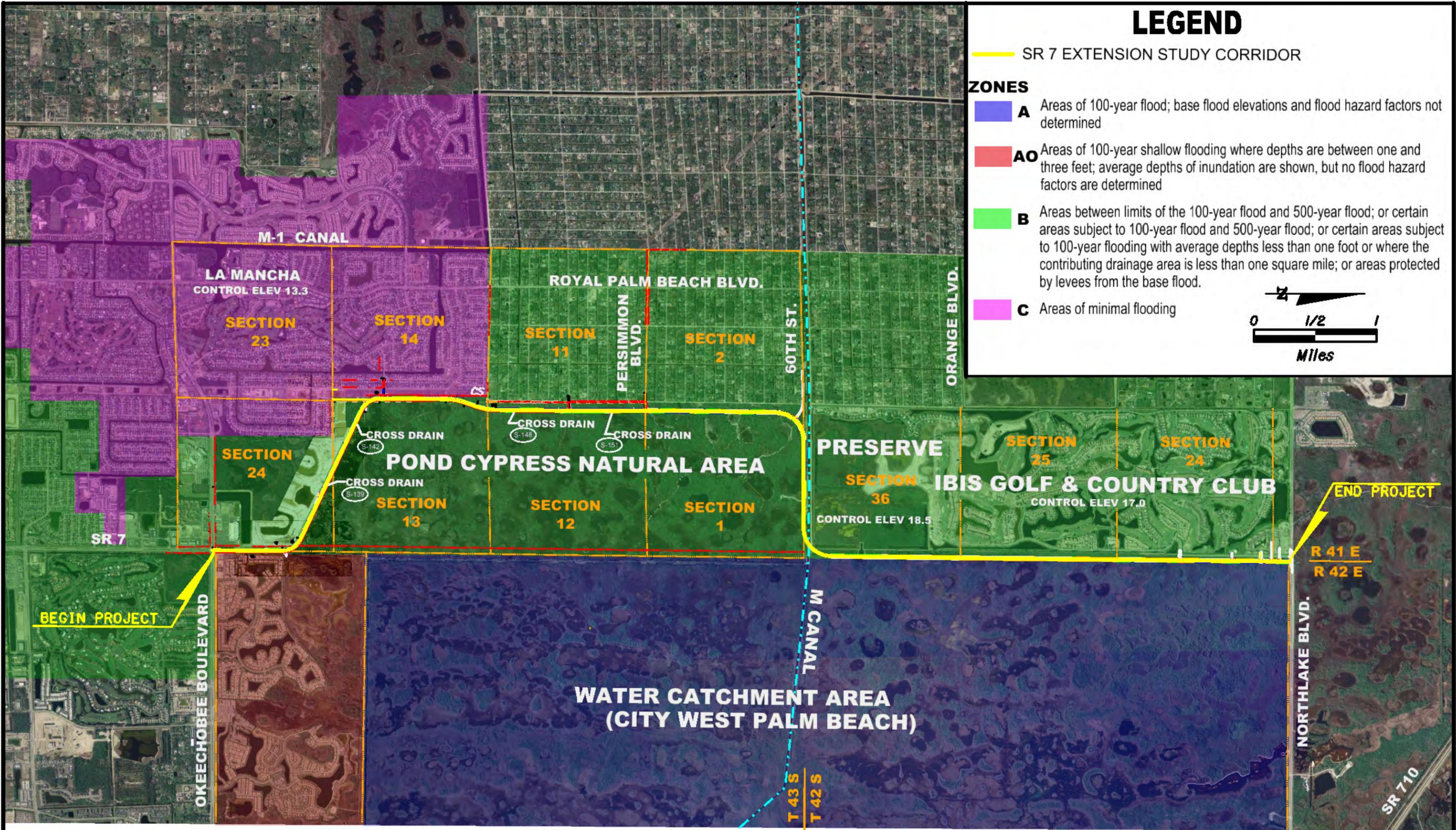
Michael mentioned that about ½ acre of right of way is needed at the AM tower site property, at an estimated cost of \$250,000. The widening of SR 7 from 2 to 4 lanes (Segment 1) is about \$22 million and the new construction of 4 lanes (Segment 2) is about \$43 million. The estimated cost for wetland mitigation, using the senate bill, is about \$12 million. The cost of an overpass at Okeechobee Boulevard is about \$25-\$30 million.

Regarding access management, the access at Amli apartments would change from a full opening to a right in/right out. This would allow full access to remain for the Ibis Shops (where the Publix is located).

There are no major utility adjustments anticipated.

Mark looked at the exhibits and information provided at the meeting and agreed with the findings of FDOT District Four.

Meeting adjourned at 5:00 p.m.





SIGN-IN SHEET

SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE:

FHWA / Floodplain meeting

DATE:

June - 6 - 2011

NAME	REPRESENTING	PHONE	EMAIL
Michael Garau	Jacobs	954 246-1230	michael.garau@jacobs.com
Bill EVANS	STANLEY CONSULTANTS	561-584-8708	EVANSBILK@StanleyGroup.com
CYNOL Kendrick	Stanley Consultants	561-689-7444	KendrickCynthia@Stanleygroup.com
Beatriz Cascedo - M	FDOT	954 777 4336	beatriz.cascedo@dot.state.fl.us
Ann Broadwell	FDOT	954-777-4325	ann.broadwell@dot.state.fl.us
MARK CLASGENS	FHWA	850-553-2234	MARK.CLASGENS@DOT.GOV
Daphne Spanos	JACOBS	954-246-1402	daphne.spanos@jacobs.com
RICHARD YOUNG	FDOT	954-777-4323	richard.young@dot.state.fl.us

**SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT: Multi-Agency Coordination Meeting

DATE AND TIME: September 6, 2011 from 10:00 a.m. to 12:00 p.m.

LOCATION: South Florida Water Management District Headquarters

ORIGINATED BY: Beatriz Caicedo-Maddison, P.E.

RECORDED BY: Michael Garau, P.E.

PARTICIPANTS: Caroline Hanes (SFWMD), Rob Hopper (SFWMD), Garrett Lips (USACOE), Barbara Conmy (SFWMD), Marty Workman (G&O), Rob Robbins (PBC), Anita Bain (SFWMD), Beatriz Caicedo-Maddison (FDOT), Ann Broadwell (FDOT), Lynn Kelley (FDOT), James Poole (FDOT), Hian Kor (KF), Michael Garau (Jacobs)

A meeting was held with the South Florida Water Management District, Army Corps of Engineers, and Palm Beach County to provide a project update and discuss permitting and mitigation options. The purpose of the meeting was to obtain input from the agencies before the Public Hearing. Beatriz Caicedo-Maddison opened the meeting with introductions and gave an overview of the project, alternatives, intersection options, typical sections, right of way, drainage, and environmental issues.

One of the options presented included the straight bridge alignment across the M-Canal that would require an additional 7.3 acres from the Pond Cypress Natural Area. Rob Robbins responded that a land swap would be required for that option. The land swap ratio would be significant. Garrett Lips stated that the Corps would not even look at the straight bridge option if it involves direct impact to existing mitigation. This is a policy of the Army Corps of Engineers.

Rob asked if the FDOT has the option of revisiting the original mitigation agreement for Section 1. Garrett responded that it is possible but not an easy route. Beatriz added that the FDOT went with Corridor 3 to minimize the impacts and avoid bifurcating the Pond Cypress Natural Area and Grassy Waters Preserve.

Barbara Conmy stated with the straight bridge alignment, the FDOT would have to demonstrate that there are no other options. Beatriz responded that including an intersection or 90 degree turn at the bridge crossing is not desirable for this type of facility.

With regard to drainage, Beatriz stated that 4 inches of treatment was assumed during the PD&E Study as an enhanced approach. 2.5 inches is typical. Anita Bain stated that using an enhanced approach is a selling point given the location of the project. Barbara added that the FDOT needs to look at the gradient between the drainage pond and Water Catchment Area to make sure that it is not drawing down from the Water Catchment Area.

Anita stated that the approach should be to add 50% more treatment. Show the required amount plus 50% more. Need to get initial water quality treatment outside of wetlands. After that, show additional within wetlands and get credit for wetland.

Garrett asked about the median width. Beatriz responded that FDOT is proposing 42 feet. Anita asked if 6 lanes are in the future. Beatriz responded that the roadway typical is consistent with what the County has proposed for the section in the south and provides space for future needs. Garrett responded that the Army Corps prefers to avoid wetlands and that FDOT must prove avoidance.

Regarding the alignment options from the M-Canal to Northlake, Anita stated that the project has a better chance of becoming a reality if the road is moved to the west.

Meeting adjourned at 12:00 p.m.

**SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT: Coordination meeting with the South Florida Water Management District

DATE AND TIME: October 26, 2011 from 10:00 a.m. to 11:30 a.m.

LOCATION: South Florida Water Management District Office

ORIGINATED BY: Ann Broadwell

RECORDED BY: Sandy Scheda

PARTICIPANTS: Ann Broadwell (FDOT), Lynn Kelley (FDOT), Beatriz Caicedo-Maddison, (FDOT), Rob Hopper (SFWMD), Barbara Conmy (SFWMD), Anita Bain (SFWMD), Caroline Hanes (SFWMD), Sandy Scheda (Scheda), Greg Juszli (Scheda), Michael Garau (Jacobs)

The subject meeting was held at the South Florida Water Management District office in West Palm Beach for the purpose of discussing the mitigation alternatives that have been identified for the project and receive comments. Key discussion items are detailed below.

1. Project Update – Beatriz and Ann gave an overview of current project schedule and funding processes. The FDOT anticipates a public hearing FHWA approval in mid-2012, and at that point, the Federal funding can be provided for construction. It is anticipated that a permit application will be submitted in September of 2012, and construction is funded (the State portion) for 2014.

2. Wetlands Update – Greg gave an overview of the events of the past two weeks. The field meetings (October 6-7, 2011) went well, with some changes to linework and habitat designations. Everyone agreed to use this linework for permitting rather than requiring actual survey data. In addition, the group agreed when the same habitat exists both north and south of the M Canal, to produce to separate UMAM scores because the quality of the habitats greatly differs.

The group met again on October 13, 2011 at the SFWMD office to discuss and finalize UMAM scores for direct impacts. The Mitigation Options Summary table has been revised to reflect these changes for direct impacts. In addition, the worst case secondary UMAM analysis that had been previously completed was revised in accordance with a recent SFWMD example that was discussed.

3. Mitigation Options - The group then began the discussion of the various options, and the positive and negative aspects of each option that were identified are presented below. Anita recommended that FDOT look at each option's ability to fulfill regional goals.

- a. Rangeline
 - i. Represents a commitment of the FDOT to not pursue a future roadway within this corridor
 - ii. Does not create much lift because it is in pretty good condition. There may be some opportunity for nuisance species eradication.
 - iii. Would be valuable as a real estate transfer to offset the need for ROW from Pond Cypress
- b. Dupuis

- i. May be more suitable to offset impacts associated with smaller projects
 - c. Pine Glades
 - i. Only available for direct impact on the county-owned portion of the project
 - ii. County would need to be co-applicant
 - d. Mecca
 - i. It could be redesigned to best suit the mitigation needs for SR 7
 - ii. Project has regional significance
 - iii. Permit would need to be modified if it has not already expired
 - iv. On county-owned land, so county would need to be co-applicant
 - v. Could be a similar JPA arrangement between FDOT and County as the seagrass mitigation at Snook Island
 - e. Vavrus
 - i. Wetland jurisdictional lines were previously established on the property by Ed Weinberg, but these were never submitted to SFWMD
 - ii. Apparent unwilling landowner; if site ranks high, FDOT will send certified letter to gage interest.
 - f. Parcel 20.04
 - i. FDOT would have to purchase property; could it be donated then to the state since it abuts state-owned lands?
 - ii. Privately-owned, and SFWMD and USACE have not decided yet if it can be split
 - iii. It is already built and functioning as a wetland; no lag time, no risk
 - g. Grassy Waters
 - i. Apparent unwilling land owner
 - h. Gentle Ben Ranch
 - i. Provides regional value
 - ii. FDOT would have to purchase, and arrange another future land owner to accept ownership
 - i. Loxahatchee Mitigation Bank
 - i. Bank is outside of drainage basin, but within Service Area
 - ii. No wood stork credits
 - j. Bluefield Mitigation Bank
 - i. FDOT has some unused credits
 - ii. Outside of service area
 - iii. No wood stork credits
 - k. Treasure Coast Mitigation Bank
 - i. Outside of service area
 - ii. Has wood stork credits
 - l. CGW Mitigation Bank
 - i. Too far away, so not really an option (Indian River County)
 - ii. Coastal credits cannot be applied to SR 7 impacts
- 4. Actions Discussed:
 - a. Revisions to table
 - i. Add total direct and secondary acreage impacts to the table (separately)
 - ii. Separate Functional Loss into direct and worst case secondary
 - iii. Change 'Credits Available' to 'Potential Credits Available'
 - iv. Add separate ranking columns for FDOT, SFWMD and USACE

- v. Add separate Comments column for FDOT, SFWMD and USACE
- vi. Remove CGW from the table
- b. Send updated table and worst case east alignment typical section to SFWMD for review
- c. Set up meeting with SFWMD to review and agree to worst case secondary impacts
- d. SFWMD and FDOT will complete separate rankings of the mitigation options; each ranking will consider feasibility and any known hurdles in the comments
- e. FDOT will set up a meeting with PBC-ERM to further discuss options on County property
- f. FDOT will set up a meeting with the USACE to similarly review and rank the mitigation options

Meeting adjourned at 11:30 a.m.



SIGN-IN SHEET

SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE: SFWMD / Mitigation Meeting

DATE: October 26, 2011

NAME	REPRESENTING	PHONE	EMAIL
Michael Garau	Jacobs	954 246-1230	michael.garau@jacobs.com
Rob Hopper	Sfwmd	561-682-2784	rhopper@sfwmd.gov
Paul Conmy	SFWMD	561-682-6837	pconmy@sfwmd.gov
Anita Bain	SFWMD	561-682-6866	abain@sfwmd.gov
Ann Broadwell	FDOT	954-777-4325	ann.broadwell@dot.state.fl.us
Lynn Kelley	FDOT	954-777-4334	lynn.kelley@dot.state.fl.us
Christine James	Sfwmd	561-682-6856	chames@sfwmd.gov
Beatriz Carcedo-Madison	FDOT	954 777 4336	beatriz.carcedo@dot.state.fl.us
Greg Susen	SCITEDA	561-689-9198	gjsusen@sciteda.com

SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES



SUBJECT:	Coordination meeting with the US Fish and Wildlife Service
DATE AND TIME:	October 28, 2011 from 10:00 a.m. to 11:30 a.m.
LOCATION:	Fish and Wildlife Service Office
ORIGINATED BY:	Ann Broadwell
RECORDED BY:	Michael Garau, P.E.
PARTICIPANTS:	John Wrublik, (FWS), Victoria Foster (FWS), Ann Broadwell (FDOT), Lynn Kelley (FDOT), Sandy Scheda (Scheda), Greg Juszli (Scheda), Michael Garau (Jacobs)

A meeting was held between the Florida Department of Transportation (FDOT) and the US Fish and Wildlife Service (FWS) to discuss potential species impacts and minimization measures. Below are the comments and discussion items made during the meeting:

- FWS asked if Corridor 1 could be revisited. Victoria added that some of the property owners may be open to selling due to recent economic conditions. In response, Corridor 3 was selected as the common preferred corridor between the public and permitting agencies after a two and half year process. The public preferred Corridor 4 (rangeline) and the permitting agencies preferred Corridor 1. A final Corridor Public Hearing was held to move forward with Corridor 3.
- The group reviewed the typical section and how it would relate to the snail kite. Victoria asked if there is room in the cross section for minimization. John asked if the median could be reduced, or if we could have a barrier in the middle like SR 60 to reduce impacts.
- Ann asked what kind of commitments the FWS is looking for related to the snail kite. The endangered species report will include a discussion about monitoring and avoidance during nesting season. John mentioned that the guidance is not clear on how many times monitoring would need to occur, but that the FDOT will need to propose a plan for consideration.
- Concerning wetland/habitat mitigation, the FWS is looking for some benefit to the snail kite. FWS suggested that FDOT consider natural areas that could be purchased, enhancement of existing lands, etc. Victoria added that Vavrus ranch would be a good opportunity.
- The FWS cannot say at this time that the project *may affect, but is not likely to adversely affect* the snail kite. This is because substantial amounts of habitat are proposed for impact, and the snail kite can move into the right-of-way anytime before construction.
- Ann stated that the FDOT would like to demonstrate that there are no direct impacts. FDOT will make the commitment to monitor snail kite nest locations before construction. Wildlife crossings at the bridge over the M Canal and culvert at the Ibis Preserve outfall are proposed. John asked if there was any possibility of adding trees and vegetation to the berm separating the water catchment area. These trees would help to minimize sound. Victoria added that it would be better to reduce the median and give more room for vegetation along the berm. The trees would serve as a barrier and would help keep birds away from the road. In addition, they would cause the birds to fly up before flying over the road.
- The FWS indicated that they will likely enter into formal consultation and prepare a biological opinion for the snail kite. This process would cover the FDOT and FWS legally under the provisions of the Endangered Species Act.

- John stated that the FDOT will need to do a robust mitigation plan for snail kite and wood stork. It should be tailored to the snail kite since it is more critical.
- With regard to other species, three in particular were discussed: wood stork, Eastern indigo snake and bald eagle. Recommendations for these three are as follows:
 - Wood stork – prepare the biomass analysis for FWS review and comment;
 - Eastern indigo snake – they are not likely to occur in the project area; and
 - Bald eagle – there is one known active nest. FDOT will commit to conducting a pre-construction survey as necessary.

Meeting adjourned at 11:30 a.m.



SIGN-IN SHEET

SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE: FWS Coordination

DATE: 10/28/11

NAME	REPRESENTING	PHONE	EMAIL
Greg Juszu	Scheda Ecological	561-689-9198	GJUSZU@SCHEDA.COM
John Wrublik	USFWS	772 509 3909 x-281	John-Wrublik@fws.gov
Lynn Kelley	FDOT	954-777-4334	lynn.kelley@dot.state.fl.us
Ann Broadwell	FDOT	954-777-4325	AnnBroadwell@dot.state.fl.us
Sandy Scheda	Scheda Ecological	813-989-9600	SScheda@scheda.com
Victoria Foster	USFWS	772-469-4269	victoria.foster@fws.gov
Michael Garay	Jacobs	954 246-1230	michael.garay@jacobs.com



SR 7 EXTENSION PD&E STUDY FPID No. 229664-2-22-01 MEETING MINUTES

SUBJECT:	Coordination meeting with the US Fish and Wildlife Service
DATE AND TIME:	April 19, 2012 from 10:30 a.m. to 11:30 a.m.
LOCATION:	Fish and Wildlife Service Office – Vero Beach
ORIGINATED BY:	Beatriz Caicedo-Maddison, P.E.
RECORDED BY:	Michael Garau, P.E.
PARTICIPANTS:	John Wrublik, (FWS), Victoria Foster (FWS), Craig Aubrey (FWS), Darla Fousek (FWS), Beatriz Caicedo-Maddison (FDOT), Ann Broadwell (FDOT), Richard Young (FDOT), Sandy Scheda (Scheda), Greg Juszli (Scheda), Michael Garau (Jacobs)

A coordination meeting was held between the Florida Department of Transportation (FDOT) and the US Fish and Wildlife Service (FWS) to discuss the letter from FWS to FDOT dated February 29, 2012. A PowerPoint presentation was used to guide the discussion and address some of the comments raised in the letter. A copy is attached.

Below are the comments and discussion items made during the meeting:

1. Beatriz provided an overview of the corridor selection process and why FDOT proceeded with Corridor 3. Victoria asked if FDOT could go back to Corridor 1. Beatriz responded that the decision was based on community and agency involvement. In addition, FDOT does not own the right-of-way through Corridor 1. Ann added that Corridor 3 was not disputed during the ETDM process and that until a fatal flaw has been identified, FDOT will continue with this corridor.
2. An overview of the proposed typical section was provided. Previously, the typical section showed the full use of available right-of-way. There is 320 feet available between the Ibis community and the Grassy Waters Preserve. The current typical now shows the need for less right-of-way as the amount of width needed for drainage has been reduced. This results in a savings of approximately 36 acres along the section between the M-Canal and Northlake Blvd.
3. Ann and Sandy discussed the results of the snail kite survey conducted last fall and preliminary results from the survey in-progress. So far, no snail kite nests have been observed in 2012 by the project team near the FDOT right-of-way line.
4. Ann presented the mitigation options for the project. Victoria asked if FDOT would be able to set up an FDOT-only mitigation bank on Vavrus. The FWS would like to see Vavrus or Mecca in conservation. Sandy added that the team will need to assess the top wetland mitigation options in terms of snail kite habitat and that more regional snail kite data is needed. Ann will send an email to John requesting this information.
5. Victoria stated that the FWS will need to have an internal meeting to discuss possible engineering options that would make this project more acceptable. The FWS would then provide their ideas to FDOT for consideration. Richard Young stated that any engineering options that they wanted to provide would be appreciated and they were left with copies of cross sections for mark-up purposes.

6. Victoria asked if there was a limit on the amount of commitments that can be made for the design. Ann and Richard responded that any request will be considered. Victoria stated that formal consultation will be required.
7. Information needed for formal consultation includes new drawings and new wetland impact numbers.

Meeting adjourned at 11:30 a.m.



SIGN-IN SHEET
SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE: FWS Coordination

DATE: April 19, 2012

NAME	REPRESENTING	PHONE	EMAIL
Beatriz Carcedo - 1	FDOT	954 777 4336	beatriz.carcedo@dot.myflorida.com
Craig Aubrey	FWS	772-469-4309	Craig-aubrey@fws.gov
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DARLA FOUSEK	FWS	772 562-3909 EXT 252	DARLA_FOUSEK@FWS.GOV
GREG JUSZLI	SCHEDA	561-689-9198	GJUSZLI@SCHEDA.COM
Ann Broadwell	FDOT	954-777-4325	ann.broadwell@dot.state.fl.us
RICHARD YOUNG	FDOT	954 777 4323	richard.young@dot.state.fl.us
Sandy Scheda	Scheda	813-989-9600	SScheda@scheda.com
John Wrublik	FWS	772 562 3909 X-282	John.Wrublik@fws.gov
Michael Garau	Jacobs	954 246 1230	michael.garau@jacobs.com



SR 7 Extension

Project Development and Environment Study

From SR 704 (Okeechobee Blvd)
to CR 809A (Northlake Blvd)
Palm Beach County, Florida

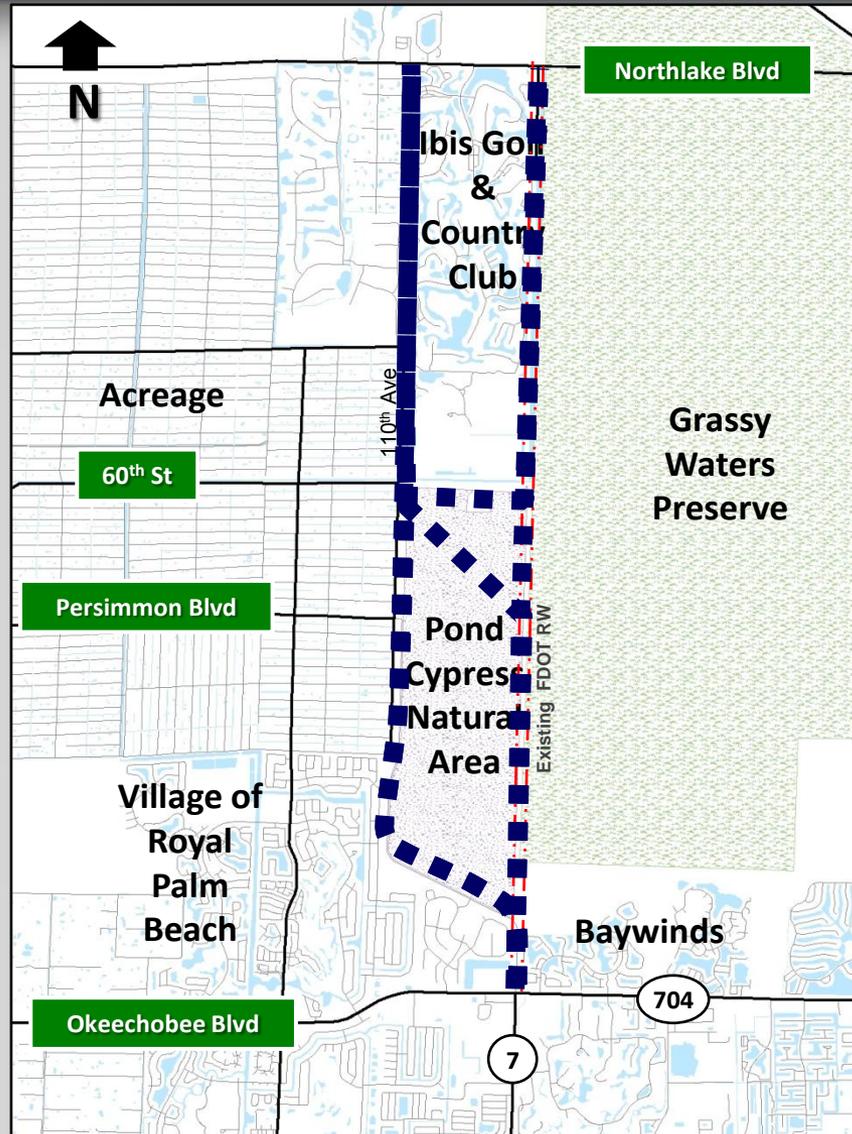


Financial Project ID Number 229664-2-22-01

Federal Aid Project Number 4752-030-P

Efficient Transportation Decision Making (ETDM) Number 8127

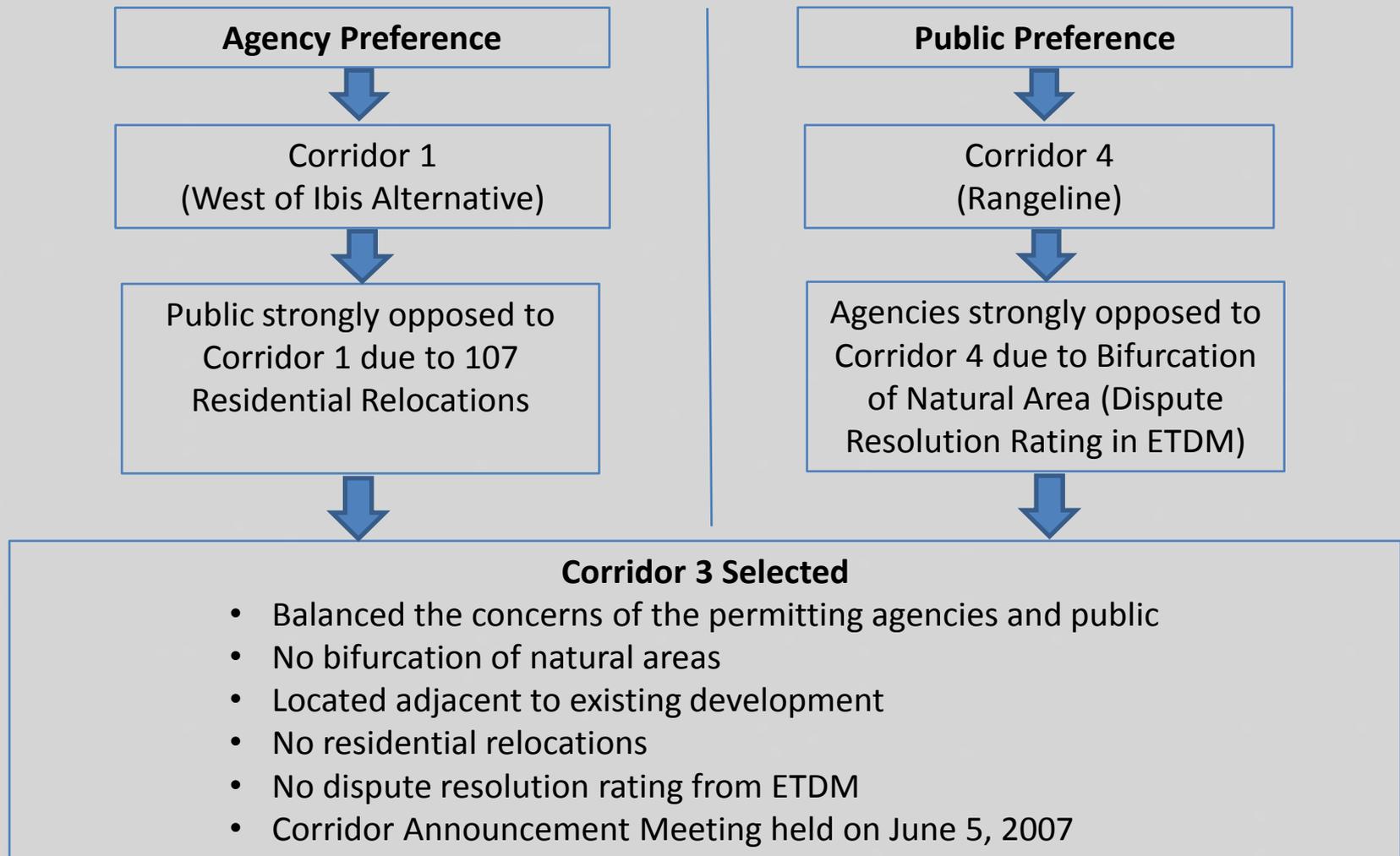
Proposed Corridors



Corridor Selection Process



Involved considerable input from both the public and permitting agencies.



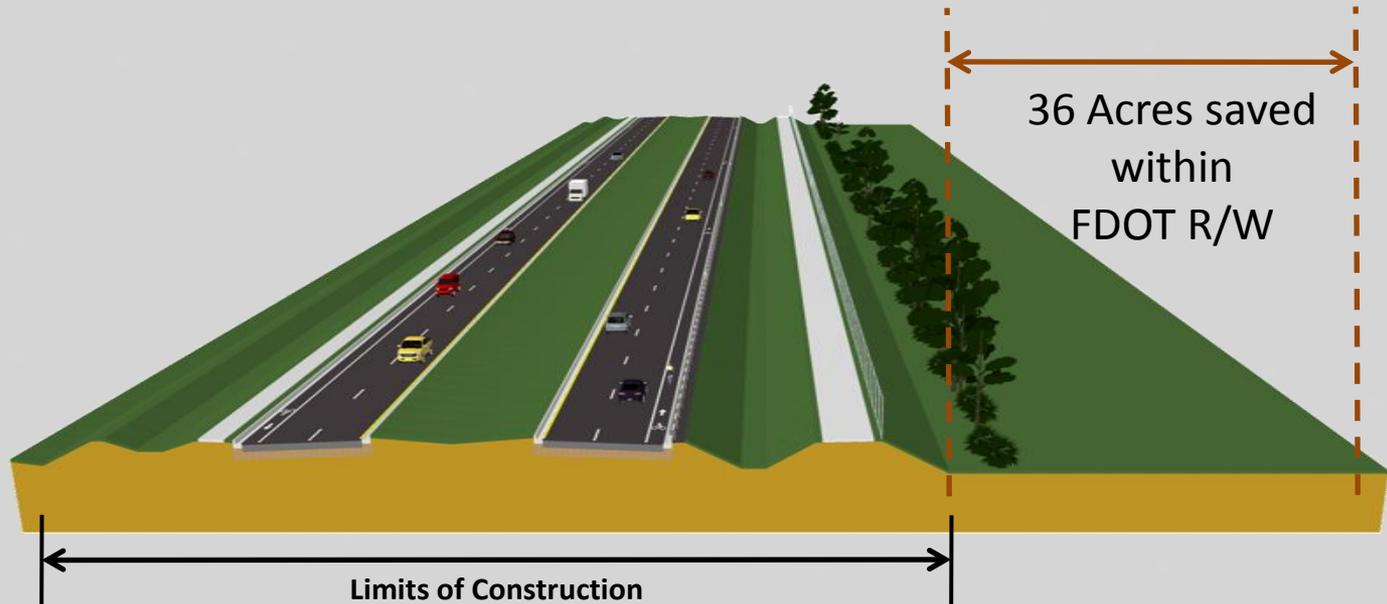
Typical Section



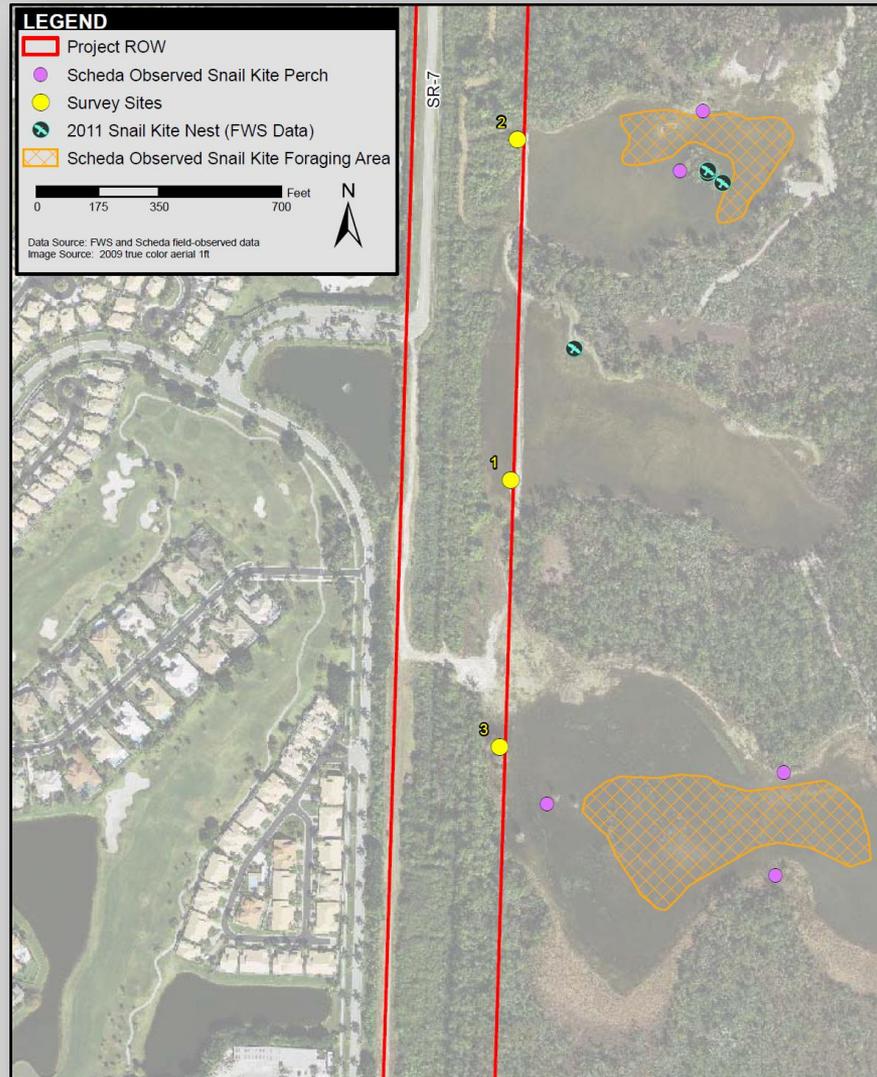
Original
Typical
Section



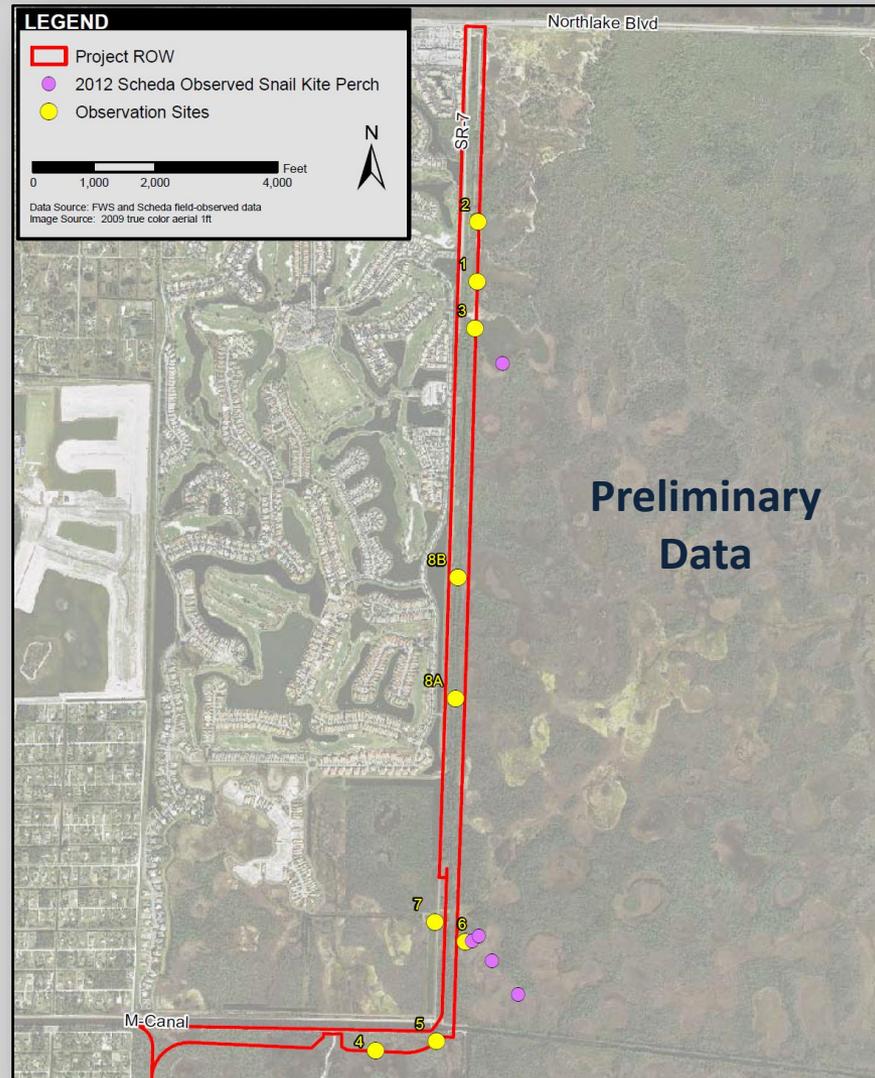
Current
Typical
Section
Concept



Snail Kite Fall 2011 Survey



Snail Kite Spring 2012 Survey



Snail Kite



“Potential adverse effects include the loss of foraging habitat for the snail kite within the project footprint.”

- 20% of project footprint is native herbaceous marsh
- Remainder does not encourage the presence of snail kites
- ROW along the east of Ibis largely defined by dense areas of exotic species with overgrown, deep linear canals
- No snail kites observed by project personnel within the Pond Cypress Natural Area



Snail Kite



“The project will likely result in disturbance to snail kites located east of the project site within wetlands of the Pond Cypress Natural Area and Grassy Waters Preserve.”

- No snail kites observed by project personnel within the Pond Cypress Natural Area
- Standard protection measures and monitoring programs, as approved by the Service, will be followed during construction for the snail kites observed within the Grassy Waters Preserve.



Snail Kite



“Little is known regarding the effects of roads on snail kite foraging and nesting...”

- Snail Kites are routinely observed along the existing Northlake Blvd corridor that bifurcates Grassy Waters, perched in adjacent trees and foraging near the roadway.
- The Department can initiate and fund a research project through one of the universities to determine the long term effects of roads on snail kite activities and nesting for this local snail kite population.



Snail Kite



“The disturbance resulting from the project could result in the loss of foraging and nesting habitat...”

- The project will not change the hydrology of the Grassy Waters Preserve.
- The existing vegetation within the N-S portion of the project footprint is largely defined by exotics and not supportive of snail kites or apple snails.
- Exotics could be removed from the unused portion of the right-of-way and could provide a net gain in foraging habitat for the snail kite.

Wood Stork



“Wetlands offered as compensation should be of the same hydroperiod , and located within the CFA of the affected wood stork colony.”

- Agree – FDOT has been coordinating with SFWMD and other agencies about possible mitigation strategies.
- A functional assessment on the foraging habitat will be prepared

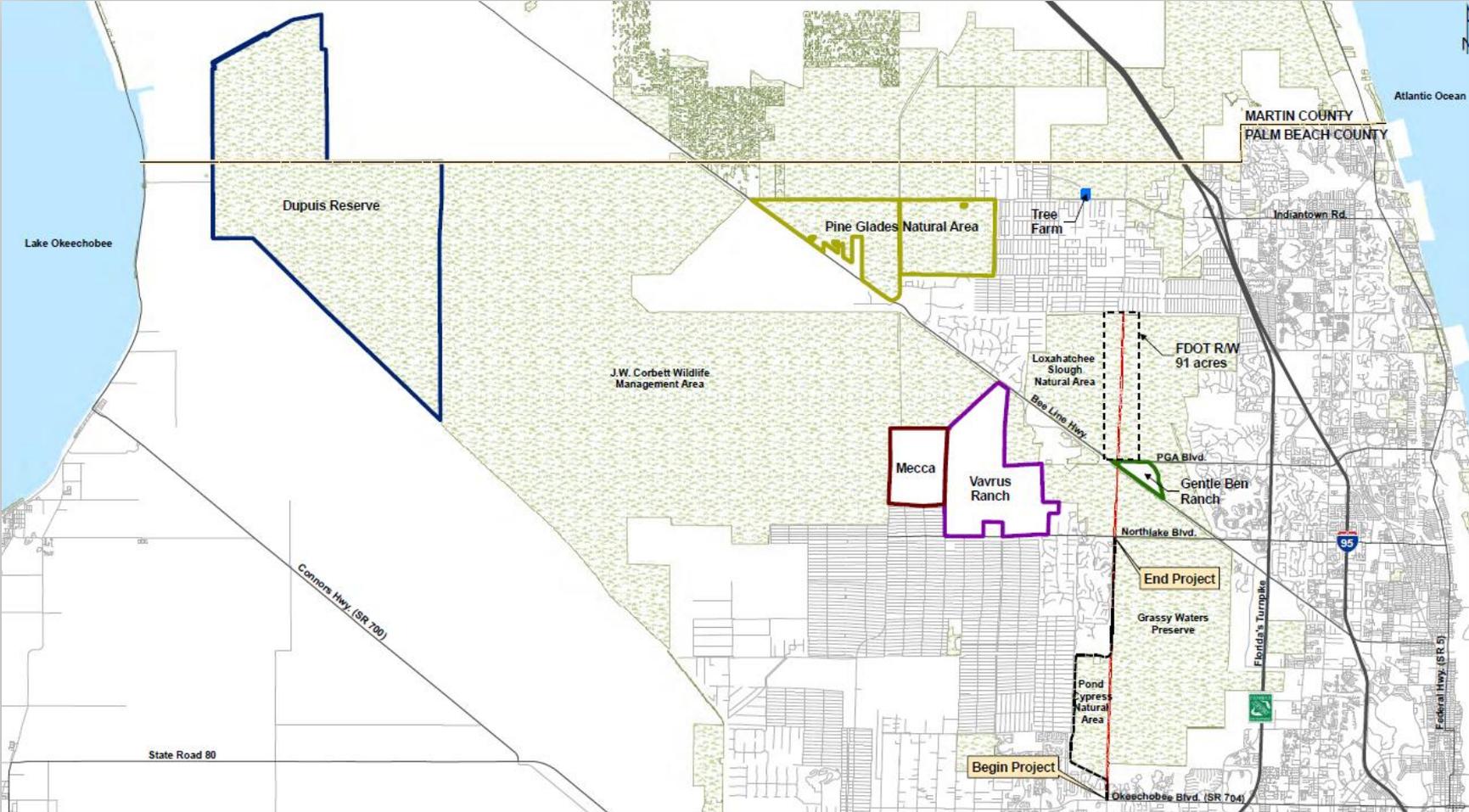




Mitigation Options

Mitigation Site	Project Description	Owner	Permit Nos.	Habitat Type	Potential Acreage Available	Potential Credits Available	SR 7 Direct Impact Acreage ^D	SR 7 Direct Impact Functional Loss ^E	SR 7 Estimated Secondary Impact Functional Loss ^F	Estimated Cost per Credit	USACE Credit Availability	Wood Stork Credit Availability
Bluefield Ranch Mitigation Bank	Mitigation bank located in St. Lucie County. Bank is outside of service area and drainage basin. FDOT previously purchased 120 credits. Only 93.47 credits have been used, therefore 26.53 credits remain that are already paid for. Credit availability as of June 2011.	Private	SFWMD: 56-00002-M ACOE:SAJ-2000-02935	Herbaceous / Forested Wetland	Unknown	850	113.90	76.49	16.96	Unknown	Yes	No: No certified wood stork credits.
Dupuis	Nearly 22,000 acre management area. Serves as a FDOT ROMA for wetland impacts. As of June 2011, approximately 571 credits are available that FDOT previously funded. Site located outside of the project's drainage basin. May be more suitable to offset impacts associated with smaller projects that FDOT and the Tumpike Enterprise may have in the Work Program.	SFWMD	Agreement between SFWMD and FDOT, ACOE permit pending	Herbaceous / Forested Wetland	Unknown	571	113.90	76.49	16.96	Unknown	Yes	Yes
Gentle Ben Ranch	Privately-owned parcels located on the southeast corner of PGA Blvd and SR 710. Mitigation through restoration of pasture land and borrow pits is possible. Site provides regional value given its location in relation to other protected areas. Using this site may result in FDOT being the property owner which goes against FDOT's core missions. FDOT would have to purchase land and arrange transfer of ownership to another entity (likely Palm Beach County).	Private	Not Yet Permitted	Herbaceous / Forested Wetland	337	Unknown	113.90	76.49	16.96	Unknown	N/A	N/A
Grassy Waters Preserve	The City of West Palm Beach has previously conducted wetland restoration for mitigation credit in Grassy Waters. Additional restoration/enhancement is planned. The amount or acreage needing restoration/enhancement is currently unknown. Landowner currently seems unwilling to use site as mitigation for SR 7.	City of West Palm Beach	TBD	Herbaceous / Forested Wetland	Unknown	Unknown	113.90	76.49	16.96	Unknown	TBD	TBD
Loxahatchee Mitigation Bank	Mitigation bank located in Palm Beach County. Bank is within service area but outside of drainage basin. Bank may not have same assemblage of habitats as those being impacted. Wetland credit availability listed as of May 2011.	SFWMD (operated by Tetra Tech)	FDEP: 140969-001 ACOE:SAJ-1997-07816	Herbaceous Marsh	Unknown	30	41.13	30.70	12.23	\$100,000	Yes	No: Bank has certified herbaceous wetland credits and has completed the wood stork foraging analysis. ACOE informed the Bank that credits could not be sold as certified Wood Stork credits.
				Forested Wetlands	Unknown	36	72.77	45.79	4.73	\$110,000	Yes	
Mecca Slough	Previously permitted 353-acre wetland restoration site. The parcel contains approximately 2,000 acres of former agriculture land that can be restored to wetland. The permitted site plan can be modified to suit mitigation needs for SR 7 and may afford an opportunity for future FDOT projects. Site may provide fill needed for the project, which would provide cost savings to FDOT. Project has regional significance in that it connects other natural areas that are in Palm Beach County greenways plan. County would need to be co-applicant on permit modification request. Could be a similar JPA arrangement between FDOT and County as the seagrass mitigation at Snook Island.	Palm Beach County	SFWMD: 50-08699-P ACOE: SAJ-2004-2859	Herbaceous Marsh	154	51.3	41.13	30.70	12.23	\$32,500	Yes	No: Permitted prior to wood stork rule.
				Forested Wetlands	78*	26.0	72.77	45.79	4.73	\$32,500	Yes	
Parcel 20 04	Previously constructed wetland mitigation site owned by a private developer. Site is already built and functioning as a wetland; no lag time, no risk. Site directly abuts state-owned lands (Johnathan Dickinson State Park). The developer is looking for a sole-source buyer to purchase the portion of the site that is not needed as mitigation for previous impacts. Regulatory agencies are currently working on how to permit site bifurcation. Using this site may result in FDOT being the property owner which goes against FDOT's core missions. Donating the land to the State after purchase may be possible given its adjacency to state-owned lands.	Private	SFWMD: 43-01374-P ACOE: SAJ-2002-01929	Herbaceous Marsh	TBD	2 ^A	41.13	30.70	12.23	Unknown	Yes	No: Permitted prior to wood stork rule.
				Forested Wetlands	TBD	18 ^A	72.77	45.79	4.73	Yes		
Pine Glades North PROMA	Previously constructed pine flatwood and wetland restoration area. As permitted, credits are to only be used for Palm Beach County projects. It is likely the site can only be used for impacts on Palm Beach County right-of-way.	Palm Beach County	SFWMD: 50-08231-P ACOE: SAJ-2007-04122	Herbaceous / Forested Wetland	615	See above	113.90	76.49	16.96	\$86,250	Yes	No: County is permitting wood stork credits at Pine Glades West first, then moving to the North Site. North should have more credits than West.
Pine Glades West PROMA	Previously constructed pine flatwood and wetland restoration area. As permitted, credits are to only be used for Palm Beach County projects. It is likely the site can only be used for impacts on Palm Beach County right-of-way.	Palm Beach County	SFWMD: 50-08187-P ACOE permit pending	Herbaceous / Forested Wetland	1872	130s	113.90	76.49	16.96	\$86,250	Yes	Yes: Currently permitting wood stork credits, completed the foraging analysis and will have approx 706.22 kg of credits in three hydroperiod zones
Rangeline	Preservation of existing wetland habitat within the Rangeline. Minor enhancement activities would enhance the overall wetland quality and landowner support of the surrounding wetland preserve areas. USACE does not view right-of-way preservation as mitigation.	FDOT	N/A	Herbaceous Marsh	34.19	3.42	41.13	30.70	12.23	Unknown	N/A	N/A
				Forested Wetlands	51.36	5.14	72.77	45.79	4.73			
R.G. Reserve Mitigation Bank	Mitigation bank located in Martin County. Bank is outside of service area and drainage basin. Credit availability as of October 2011.	Private	SFWMD: 43-00001-M No ACOE Permit	Herbaceous / Forested Wetland	Unknown	36	113.90	76.49	16.96	Unknown	No	TBD
Treasure Coast Mitigation Bank	Mitigation bank located in St. Lucie County. Bank is outside of service area and drainage basin. Credit availability listed as of June 2011.	Private	SFWMD: 56-00004-M ACOE: SAJ-2001-04445	Herbaceous / Forested Wetland	Unknown	80	113.90	76.49	16.96	Unknown	Yes	Yes
Vavrus Ranch	Large parcels that may be available for purchase. Restoration of pastureland or enhancement of existing wetlands are possible mitigation options. Utilization of northern portion may offer the most ecological benefit. All wetland jurisdictional lines on the property were previously established by USACE. Vavrus representatives were considering permitting a wetland mitigation bank on a portion of the property. Owners are considering development of land in the future.	Private	Not Yet Permitted	Wetland Preservation	2100**	667.0	113.90	76.49	16.96	Unknown	N/A	N/A
				Wetland Restoration	2000*	280.0	113.90	76.49	16.96			

Mitigation Options



**SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES**



SUBJECT: Coordination meeting with Palm Beach County
DATE AND TIME: August 22, 2012 from 3:00 p.m. to 4:45 p.m.
LOCATION: Palm Beach County Office
ORIGINATED BY: Ann Broadwell
RECORDED BY: Michael Garau, P.E.
PARTICIPANTS: George Webb (PBC), Rob Robbins (PBC), Barry Smith (PBC), Ann Broadwell (FDOT), Pat Glass (FDOT), Steve Braun (FDOT), Richard Young (FDOT), Marty Workman (Greenhorne), Hian Kor (KF Group), Michael Garau (Jacobs)

A meeting was held between the Florida Department of Transportation and Palm Beach County to discuss the crossing of the M Canal and potential impacts to the Pond Cypress Natural Area. Below are the comments and discussion items made during the meeting:

1. The proposed typical section has been reduced and the curve through the M-Canal is now being designed for 40 MPH. This reduced the impact to the Pond Cypress Natural Area from 7.3 acres down to 1.25 acres with 0.63 acres of permanent structure.
2. Due to the minimized typical section, there is the possibility that FDOT could give back some right-of-way along the section parallel to the M-Canal. Ann offered to give back 4 acres adjacent to the Pond Cypress Natural Area in exchange for the 1.25 needed in the northeast corner.
3. Rob responded that the proposed impact to the Pond Cypress Natural Area may be acceptable provided that an exchange occurs in accordance to the Conservation Land Preservation Ordinance #2003-052.
4. Rob stated that the FDOT Rangeline south of the M-Canal can serve as part of the mitigation package but not part of the County's land swap.
5. Steve asked about the process for getting concurrence from the County about de minimis impacts. Need to provide Rob with a letter requesting a resolution for Board consideration. No presentation to the Board is needed. This letter should be provided to the County by mid September.

Meeting adjourned at 4:45 p.m.



SIGN-IN SHEET
SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE: PBC coordination

DATE: August 22, 2012

NAME	REPRESENTING	PHONE	EMAIL
Michael Garau	Jacobs	954 246 1230	michael.garau@jacobs.com
Berry Smith	PBC-ERM	(561) 233-2400	bsmith@pbegov.org
Rob Robbins	PBC-ERM	561-233-2400	rrobbins@pbegov.org
Ann Broadwell	FDOT - PL&EM	954-777-4325	ann.broadwell@dot.state.fl.us
Martin Workman	Greenhorn O'Mara	561-486-7707	mworkman@greenhorne.com
HAN KOR	K.F Group, Inc.	561-799-0605	hkor@k-fgroup.com
RICHARD YOUNG	FDOT	954 777-4323	richard.young@dot.state.fl.us
PATRICK GLASS	FDOT	954 777-4681	PATRICK.GLASS@DOT.STATE.FL.US
STEVE BRAUN	FDOT - PL&EM	954-777-4143	STEVE.BRAUN@DOT.STATE-FL.US
GEORGE WABB	PBC ENG	561-355-2006	GWABB@PBCGOV.ORG



SR 7 EXTENSION PD&E STUDY FPID No. 229664-2-22-01 MEETING MINUTES

SUBJECT:	Multi-agency Meeting
DATE AND TIME:	September 11, 2012 from 2:00 p.m. to 4:10 p.m.
LOCATION:	South Florida Water Management District Office
ORIGINATED BY:	Ann Broadwell
RECORDED BY:	Michael Garau, P.E.
PARTICIPANTS:	See attached sign-in sheet (Victoria Foster and Craig Aubrey from FWS participated by conference call)

A coordination meeting was held between the Florida Department of Transportation (FDOT), US Fish and Wildlife Service (USFWS), US Army Corps of Engineers (ACOE), and the South Florida Water Management District (SFWMD) to discuss permitting for the SR 7 extension project.

Below are the comments and discussion items made during the meeting:

Project History

1. Ann Broadwell provided an overview of the project history and how SR 7, at one time, was shown to go up to the Turnpike in Martin County. Leah Oberlin asked how ACOE would know that the project will not go to SR 710. Ann responded that the Long Range Plan only shows the project up to Northlake.
2. Leah asked if the current corridor meets the purpose and need. She stated that there are other north-south roadways in the general area. Michael Garau responded that the traffic was first analyzed using the 2030 SERPM traffic model which included future developments such as Mecca farms, Vavrus Ranch, and Callery Judge. After economic conditions soured, the traffic was re-analyzed with the new 2035 model that factored in lower population and growth estimates and the removal of those DRIs. Even with reduced growth estimates, the project is still warranted.

Typical Section Update

3. Marty Workman gave an overview of the reduced typical sections, nature trail, and drainage plan. The Public Hearing typical showed full use of the existing right-of-way; a width of 320 feet. A reduced typical section is now proposed that only needs 180 feet. This saves 140 feet from the right-of-way. A second typical section has been developed with a nature trail. This typical is 190 feet wide which shows a savings of 130 feet.
4. Carlos de Rojas asked about the wet detention swale and if it is really for conveyance. Hian Kor responded that it will be used to convey water under Northlake Boulevard to a spreader swale. Carlos suggested not calling it wet detention but to call it a conveyance ditch. Joe Sullivan asked about the high water elevation. Marty responded that the bottom of the swale is one foot above Grassy Waters.
5. Victoria Foster stated that she appreciates the effort in reducing the typical section but that it needs to be as thin as humanly possible. If this project goes through, then USFWS would expect abandonment of the right-of-way from Northlake Boulevard to SR 710.

6. Victoria commented that the nature trail may not be necessary. Steve Braun added that the idea for the nature trail originated from Palm Beach County. Leah and Caroline Hanes both asked if the sidewalk on the west side is necessary. Marty responded that FDOT has a policy for all modes of transportation including pedestrians and bicyclists.
7. Leah asked if the road could ever go to six lanes. Michael stated that the traffic projections go out to the year 2040 and only showed a need for 4 lanes. Ann stated that part of FDOT's mitigation is to apply a conservation easement to the unused portion of the right-of-way. This would prevent any future widening to the outside. The reduced median is also too narrow to allow widening to the inside.
8. Leah asked if the FDOT could go back to Corridor 1 since ACOE believes that this would be the Least Environmentally Damaging Practicable Alternative (LEDPA). LEDPA is based on cost, logistics, and technology. Victoria agreed that there are other corridors that would be less environmentally disruptive. This project may result in jeopardy due to snail kite concerns. John Wrublik added that if the project comes up as jeopardy, then that would be a fatal flaw. A new prudent and reasonable alternative would have to be looked at.
9. Ann mentioned that Corridor 3 did not receive a dispute resolution rating during ETDM. Victoria responded that this corridor would receive a dispute resolution rating if it were rescreened today. The snail kites were not there in 2005.
10. Joe stated that the evaluation is more than one issue. It considers a variety of issues from wildlife and wetlands to social and community impacts. It is a balancing act.
11. Leah commented that ACOE cannot complete its evaluation without a discussion on LEDPA. Ann asked ACOE if they are requesting a more defined analysis to demonstrate LEDPA. Leah responded by saying yes. The information can be provided in any format.
12. Michael provided an overview of the new curve along the M-Canal crossing. The curve shown during the PD&E Study resulted in 7.5 acres of encroachment into the Pond Cypress Natural Area. To minimize this impact, the design speed around the curve has been reduced from 45 to 40 MPH and the median has been reduced. This results in 1.25 acres of encroachment with 0.63 acres of permanent structure.

Natural Areas

13. Sandy Scheda provided an overview of potential wetland impacts and discussed the difference between the previous typical section and the new, reduced typical. The previous typical section, displayed at the public hearing, resulted in 114 acres of direct impact. The new typical would result in 71 acres – a total reduction of 38%. When analyzing the impact by wetland type, impacts to pristine wetland areas were reduced by as much as 84%.
14. Because of the reduced typical section, no direct or secondary impacts to existing mitigation sites in Grassy Waters Preserve are expected.
15. Sandy mentioned that the team performed a snail kite survey during the 2012 nesting season and did not find any nests near the FDOT right-of-way (within 600 feet). A mating pair was observed foraging north of the M-Canal, hundreds of feet away from the existing right-of-way. Sandy has requested the USFWS's 2012 data but it has not been received.

16. A snail kite habitat map was distributed during the meeting. The map showed 10 acres of snail kite habitat located within the existing right-of-way. The reduced typical section would reduce this impact by 90% (down to 1 acre of impact).

Wetland Mitigation Evaluation Matrix Update

17. Ann presented the mitigation options table for feedback. Anita Bain stated that a cumulative analysis would need to be run for sites outside of the service area (a comment will be added to the table if a cumulative analysis is needed). She also suggested adding a secondary impact column. Garrett Lips asked to separate out herbaceous and forested wetlands. Some of the rows combined these.

Agency Feedback

18. Leah mentioned that the biggest issue with the project is the Corridor/LEDPA issue. Impact to the existing mitigation site within the Pond Cypress Natural Area can be resolved if a good argument for the need is made - should address public interest and safety when developing the case to impact a mitigation site. It is not a fatal flaw. Ann mentioned that the portion of the road that encroaches into the Pond Cypress Natural Area could be constructed on piles to lessen the impact.
19. Rob Hopper asked if retaining walls could be used to further scale back the typical. Marty responded that it would be very expensive due to the length.
20. Leah asked if a parking lot would be needed for the nature trail. Ann responded that no additional facilities are identified. Leah added that she is not completely opposed to the nature trail.
21. Victoria stated that USFWS supports finding another corridor. The biological opinion could change the status of the project to an EIS. Leah added that jeopardy from the USFWS would impact the 404 permitting.
22. Leah asked Victoria what the USFWS would need to finish the biological opinion. Victoria responded that they would need the final alignment with final cross sections and a real mitigation plan. Victoria added that the FDOT should go back and look at other corridors. Minimization is not enough. The biological opinion cannot be completed without input from the region and Washington, D.C. The USFWS will follow-up with a letter stating that the snail kite is a significant concern.
23. Ann stated the FDOT believes that they have LEDPA through Corridor 3 and will make the case.
24. A question was asked about the schedule. Steve responded that the biological opinion was driving the project schedule. John stated that he was waiting for this meeting and will go ahead and send a letter.

Meeting adjourned at 4:10 p.m.

State Road 7 Meeting

September 11, 2012

SFWMD

NAME	Company	Telephone	Email
Barbara Conmy	SFWMD	(561)682-6937	bconmy@sfwmd.gov
Joseph Sullivan	FHWA	850 553 2248	Joseph.Sullivan@dot.gov
Caroline Hanes	SFWMD	561-682-6856	Chanes@sfwmd.gov
John Wrublik	USFWS	772 562 3909	John-Wrublik@fws.gov
Garett Lips	USACE	561 472-3519	garett.g.lips@usace.army.mil
Leah Oberlin	USACE	561-472-3517	Leah.A.Oberlin@usace.army.mil
Anita Bain	SFWMD	561-682-4806	abain@sfwmd.gov
Ann Broadwell	SFWMD FOOT	954-777-4325	ann.broadwell@dot.state.fl.us
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Carlos de Rojas	SFWMD	561-682-6505	cderojas@sfwmd.gov
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Lynn Kelley	FDOT	x 4334	lynn.kelley@dot.state.fl.us
Rob Hopper	SFWMD	561.682.2884	rhopper@sfwmd.gov
Kathleen Farrell	Palm Beach Co. Engineering	(561)684-4150	kfarrellepbcgov.org



MEETING AGENDA

SR 7 EXTENSION PD&E STUDY

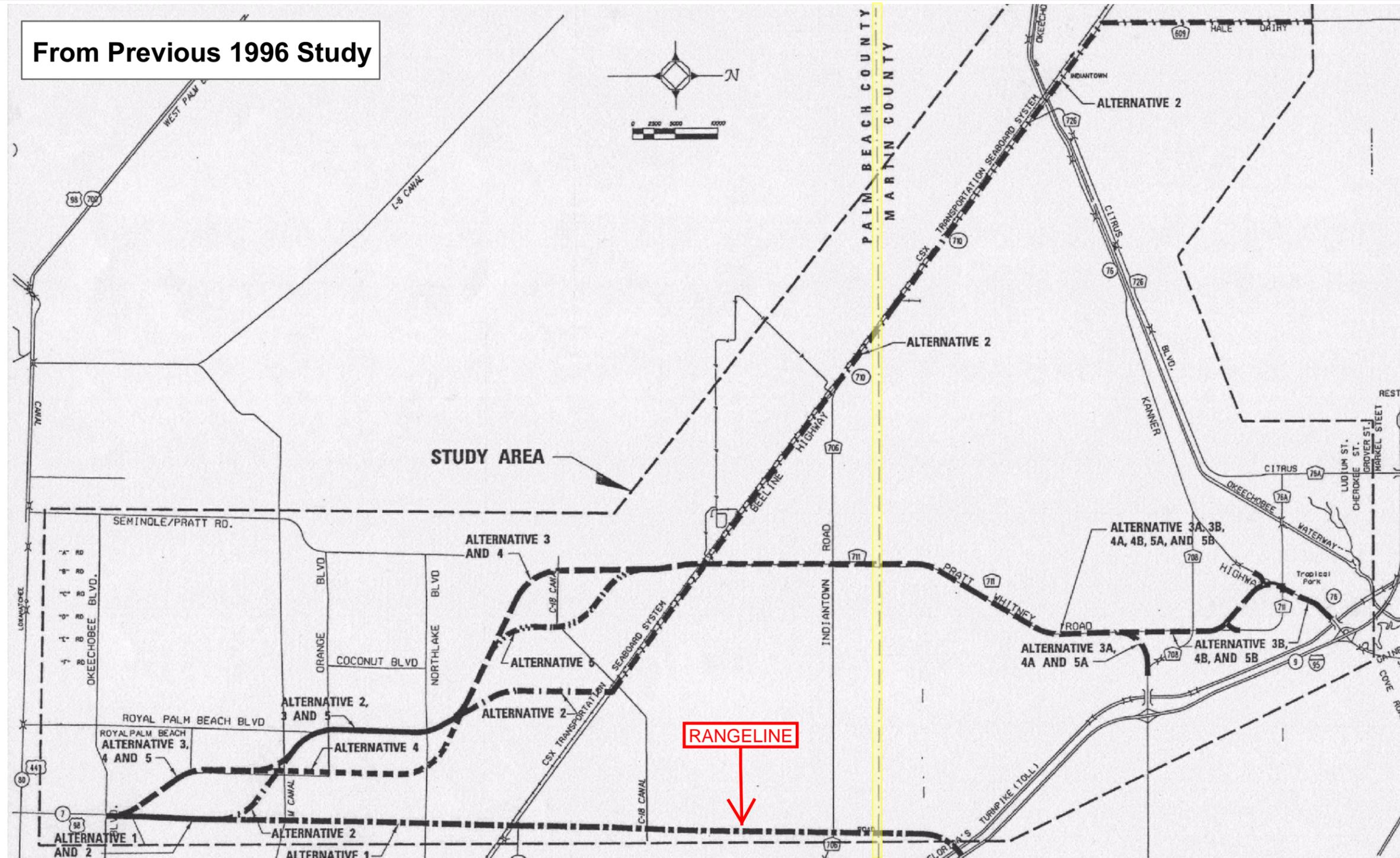


Multi-Agency Update Meeting

South Florida Water Management District Headquarters
Tuesday, September 11, 2012
2:00 p.m.

- 1. Welcome and Introductions**
- 2. Project History**
- 3. Typical Section Update**
 - a. Minimization efforts
 - b. Canal crossing challenges
- 4. Natural Areas**
 - a. Pond Cypress Preserve
 - b. Grassy Waters Preserve (Snail Kite update)
- 5. Wetland Mitigation Evaluation Matrix Update**
- 6. Agency Feedback**

From Previous 1996 Study



Source: State Road 7 Corridor Designation and Planning Report, March, 1996



State Road 7 Corridor Designation and Planning Report Corridors Considered from Previous 1996 Study

SR 7 Extension Project Development and Environment Study

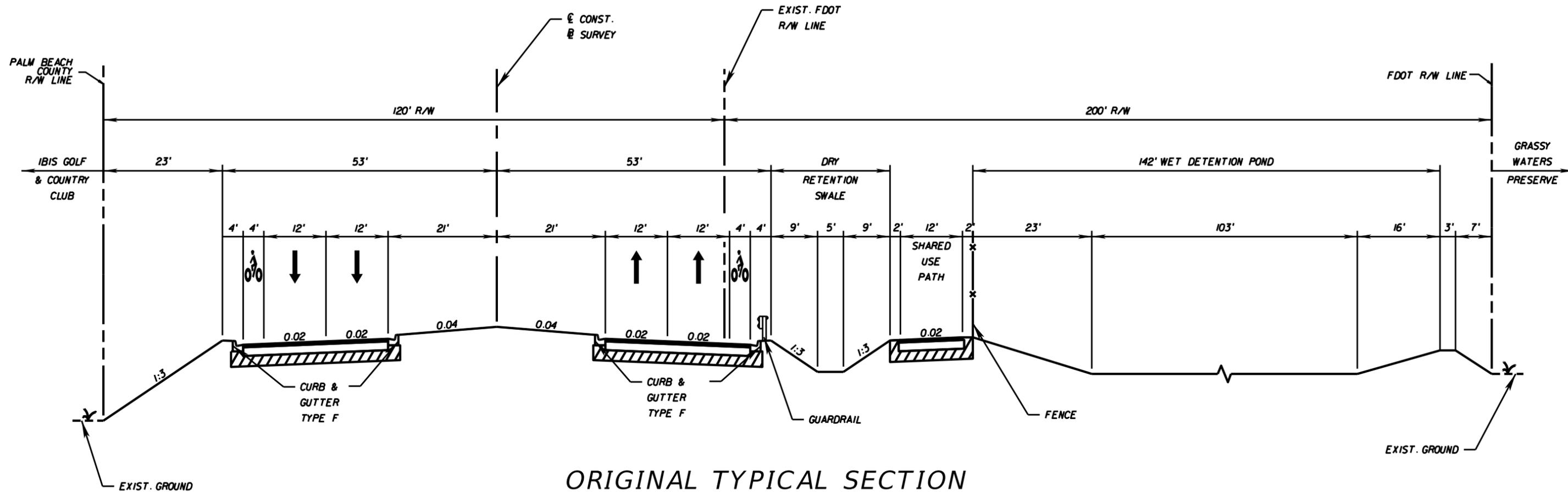
FPID No. 229664-2-22-01

Wetland Type	NWI Classification	FLUCFCS Code	Total Acres - Original Typical Section	Total Acres - Reduced Typical Section	Percent Impact Acreage Reduction	Functional Loss (FL) - Original Typical Section	Functional Loss (FL) - Reduced Typical Section
Freshwater Marshes - Native Dominated	PEM1	6410A	12.51	10.00	20%	10.01	8.00
Freshwater Marsh - Exotic Dominated	PEM1	6410B	0.00	0.00	-	-	-
Mixed Shrubs - Exotic Dominated	PSS1	6172	0.00	0.00	-	-	-
Hydric Pine - Native Dominated	PFO3/4	6250A	16.22	11.71	28%	13.52	9.76
Hydric Pine - Exotic Dominated	PFO3	6250B	1.15	1.15	0%	0.73	0.73
Vegetated Ditches	PABHx	5100	0.00	0.00	-	-	-
Channelized Canals - Unvegetated	PUBHx	5100	0.00	0.00	-	-	-
Total			29.88	22.86	23%	24.25	18.49

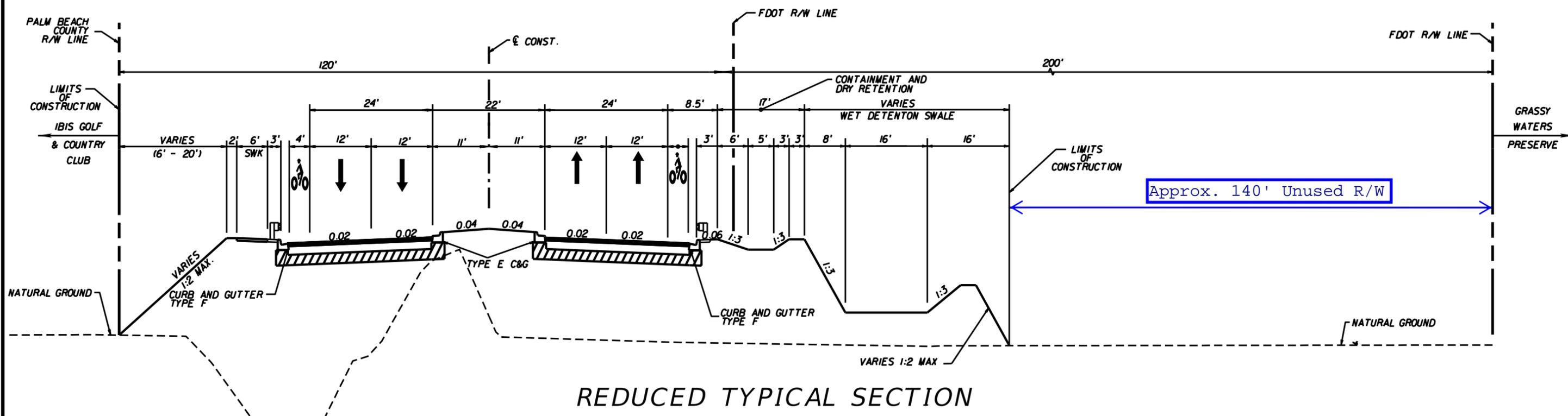
Comparison of Direct Impact Acreages and Associated Functional Loss to Wetlands located North of the M Canal

Wetland Type	NWI Classification	FLUCFCS Code	Total Acres - Original Typical Section	Total Acres - Reduced Typical Section	Percent Impact Acreage Reduction	Functional Loss (FL) - Original Typical Section	Functional Loss (FL) - Reduced Typical Section
Freshwater Marshes - Native Dominated	PEM1	6410A	13.33	2.17	84%	9.78	1.59
Freshwater Marsh - Exotic Dominated	PEM1	6410B	2.20	2.18	1%	1.32	1.31
Mixed Shrubs - Exotic Dominated	PSS1	6172	23.85	16.85	29%	11.13	7.86
Hydric Pine - Native Dominated	PFO3/4	6250A	18.44	3.47	81%	13.52	2.54
Hydric Pine - Exotic Dominated	PFO3	6250B	13.11	13.10	0%	7.43	7.42
Vegetated Ditches	PABHx	5100	13.09	10.55	19%	9.60	7.74
Channelized Canals - Unvegetated	PUBHx	5100	0.00	0.00	-	-	-
Total			84.01	48.32	42%	52.77	28.47

TOTAL	113.89	71.18	38%	77.03	46.96
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ORIGINAL TYPICAL SECTION

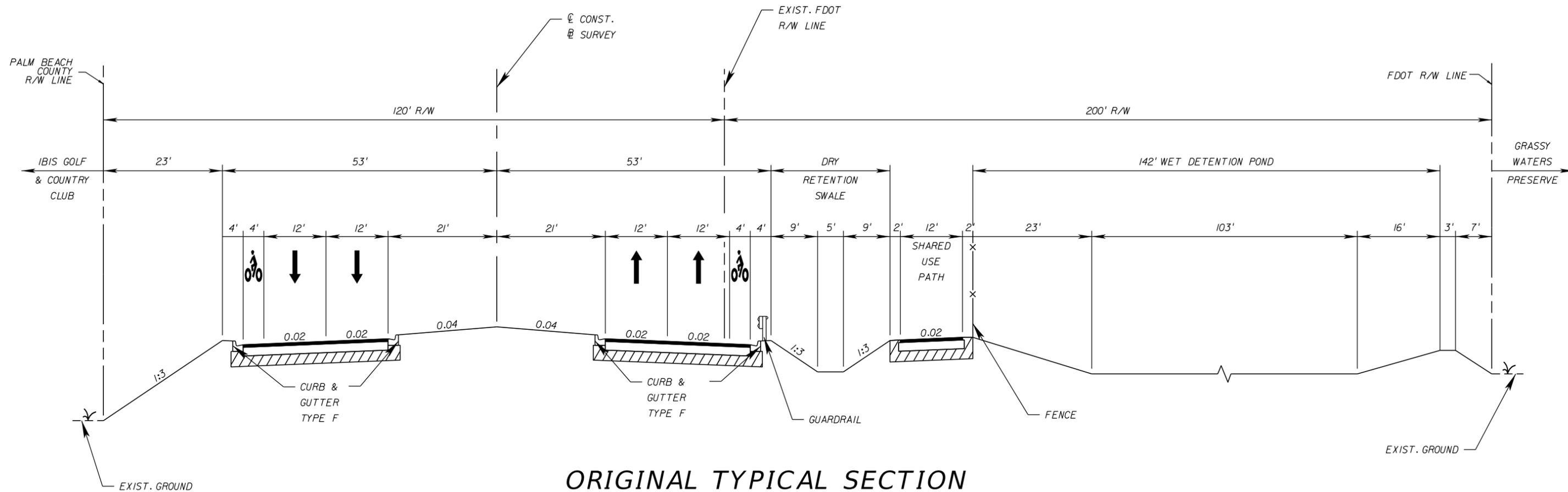


REDUCED TYPICAL SECTION

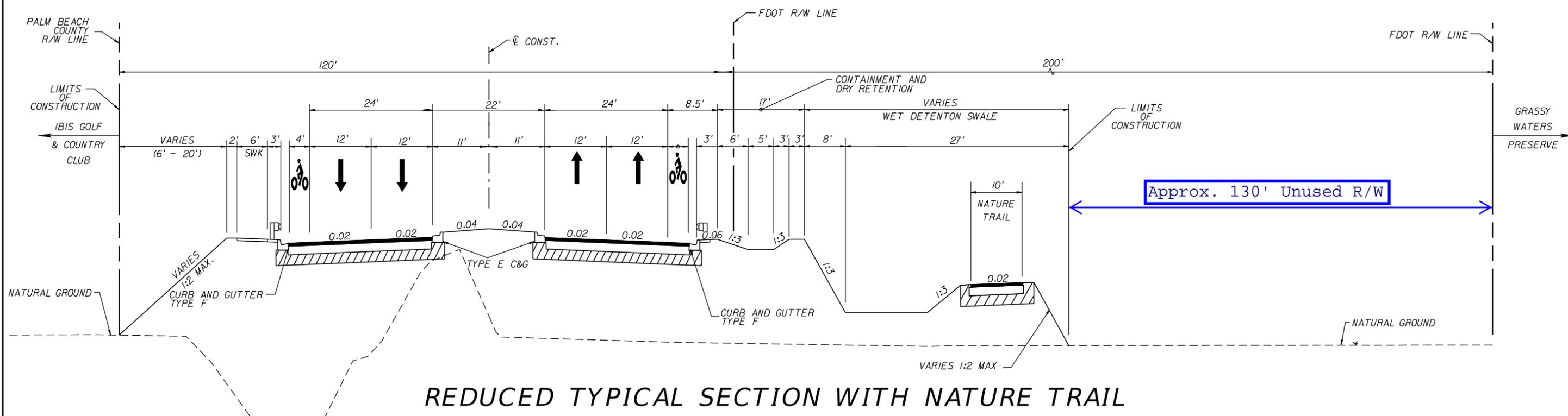
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
ROAD NO.	COUNTY	EDTM NO.	FEDERAL AID PROJECT NO.	FINANCIAL PROJECT ID

SR 7 TYPICAL SECTION

FIGURE NO.



ORIGINAL TYPICAL SECTION



REDUCED TYPICAL SECTION WITH NATURE TRAIL

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION				
ROAD NO.	COUNTY	EDTM NO.	FEDERAL AID PROJECT NO.	FINANCIAL PROJECT ID

SR 7 TYPICAL SECTION

FIGURE NO.



Mitigation Site	Project Description	Owner	Permit Nos.	Habitat Type	Potential Credits Available	SR 7 Direct Impact Acreage ^D	SR 7 Direct Impact Functional Loss ^D	SR 7 Estimated Secondary Impact Functional Loss ^S	USACE Credit Availability	Wood Stork Credit Availability	Snail Kite Habitat Suitability	Comment
Bluefield Ranch Mitigation Bank	Mitigation bank located in St. Lucie County. Bank is outside of service area and drainage basin. FDOT previously purchased 120 credits. Only 93.47 credits have been used, therefore 26.53 credits remain that are already paid for. Credit availability as of June 2011.	Private	SFWMD: 56-00002-M ACOE:SAJ-2000-02935	Herbaceous / Forested Wetland	850	71.18	46.96	16.96	Yes	No; No certified wood stork credits.	Yes	
Dupuis	Nearly 22,000 acre management area. Serves as a FDOT ROMA for wetland impacts. As of June 2011, approximately 571 credits are available that FDOT previously funded. Site located outside of the project's drainage basin. May be more suitable to offset impacts associated with smaller projects that FDOT and the Turnpike Enterprise may have in the Work Program.	SFWMD	Agreement between SFWMD and FDOT; ACOE permit pending	Herbaceous / Forested Wetland	571	71.18	46.96	16.96	Yes	Yes	Limited	
Gentle Ben Ranch	Privately-owned parcels located on the southeast corner of PGA Blvd and SR 710. Mitigation through restoration of pasture land and borrow pits is possible. Site provides regional value given its location in relation to other protected areas. Using this site may result in FDOT being the property owner which goes against FDOT's core missions. FDOT would have to purchase land and arrange transfer of ownership to another entity (likely Palm Beach County).	Private	Not Yet Permitted	Herbaceous / Forested Wetland	Unknown	71.18	46.96	16.96	N/A	N/A	Yes	
Grassy Waters Preserve	The City of West Palm Beach has previously conducted wetland restoration for mitigation credit in Grassy Waters. Additional restoration/enhancement is planned. The amount or acreage needing restoration/enhancement is currently unknown. Landowner currently seems unwilling to use site as mitigation for SR 7.	City of West Palm Beach	TBD	Herbaceous / Forested Wetland	Unknown	71.18	46.96	16.96	TBD	TBD	Yes	
Loxahatchee Mitigation Bank	Mitigation bank located in Palm Beach County. Bank is within service area but outside of drainage basin. Bank may not have same assemblage of habitats as those being impacted. Wetland credit availability listed as of May 2011.	SFWMD (operated by Tetra Tech)	FDEP: 140969-001 ACOE:SAJ-1997-07816	Herbaceous Marsh	30	14.50	11.02	12.23	Yes	No; Bank has certified herbaceous wetland credits and has completed the wood stork foraging analysis. ACOE informed the Bank that credits could not be sold as certified Wood Stork credits.	Yes	
				Forested Wetlands	36	46.76	28.70	4.73	Yes			
Mecca Slough	Previously permitted 353-acre wetland restoration site. The parcel contains approximately 2,000 acres of former agriculture land that can be restored to wetland. The permitted site plan can be modified to suit mitigation needs for SR 7 and may afford an opportunity for future FDOT projects.	Palm Beach County	SFWMD: 50-08699-P ACOE: SAJ-2004-2859	Herbaceous Marsh	51.3	14.50	11.02	12.23	Yes	No; Permitted prior to wood stork rule.	Yes; Could be redesigned to create more	SFWMD recently purchased this parcel and has expressed no interest in using it for wetland mitigation.
				Forested Wetlands	26.0	46.76	28.70	4.73	Yes			
Parcel 20.04	Previously constructed wetland mitigation site owned by a private developer. Site is already built and functioning as a wetland; no lag time, no risk. Site directly abuts state-owned lands (Johnathan Dickinson State Park). The developer is looking for a sole-source buyer to purchase the portion of the site that is not needed as mitigation for previous impacts. Regulatory agencies are currently working on how to permit site bifurcation. Using this site may result in FDOT being the property owner which goes against FDOT's core missions. Donating the land to the State after purchase may be possible given its adjacency to state-owned lands.	Private	SFWMD: 43-01374-P ACOE: SAJ-2002-01929	Herbaceous Marsh	2 ^{&}	14.50	11.02	12.23	Yes	No; Permitted prior to wood stork rule.	Yes	
				Forested Wetlands	18 ^{&}	46.76	28.70	4.73	Yes			
Pine Glades North PROMA	Previously constructed pine flatwood and wetland restoration area. As permitted, credits are to only be used for Palm Beach County projects. It is likely the site can only be used for impacts on Palm Beach County right-of-way.	Palm Beach County	SFWMD: 50-08231-P ACOE: SAJ-2007-04122	Herbaceous / Forested Wetland	See below\$	71.18	46.96	16.96	Yes	No; County is permitting wood stork credits at Pine Glades West first, then moving to the North Site. North should have more credits than West.	Yes	
Pine Glades West PROMA	Previously constructed pine flatwood and wetland restoration area. As permitted, credits are to only be used for Palm Beach County projects. It is likely the site can only be used for impacts on Palm Beach County right-of-way.	Palm Beach County	SFWMD: 50-08187-P ACOE permit pending	Herbaceous / Forested Wetland	130\$	71.18	46.96	16.96	Yes	Yes; Currently permitting wood stork credits, completed the foraging analysis and will have approx 706.22 kg of credits in three hydroperiod zones	Yes	
Rangeline (M Canal to Northlake Blvd)	Preservation/enhancement of wetlands and restoration of uplands and ditches in the FDOT right-of-way directly adjacent to Grassy Waters Preserve that will not be impacted by the proposed roadway construction. A conservation easement can be placed over the area to ensure wetland persistence in perpetuity.	FDOT	Not Yet Permitted	Herbaceous / Forested Wetland	7-18 (based on UMAM "with" scores of 9.	71.18	46.96	16.96	TBD	Yes	Yes	
Rangeline (Okeechobee Rd to M Canal)	Preservation of existing wetland habitat within the Rangeline. Minor enhancement activities would enhance the overall wetland quality and landscape support of the surrounding wetland preserve areas. USACE does not view right-of-way preservation as mitigation.	FDOT	N/A	Herbaceous Marsh	3.42	14.50	11.02	12.23	N/A	N/A	Yes	
				Forested Wetlands	5.14	46.76	28.70	4.73				
R.G. Reserve Mitigation Bank	Mitigation bank located in Martin County. Bank is outside of service area and drainage basin. Credit availability as of October 2011.	Private	SFWMD: 43-00001-M No ACOE Permit	Herbaceous / Forested Wetland	36	71.18	46.96	16.96	No	TBD	Yes	
Treasure Coast Mitigation Bank	Mitigation bank located in St. Lucie County. Bank is outside of service area and drainage basin. Credit availability listed as of June 2011.	Private	SFWMD: 56-00004-M ACOE: SAJ-2001-04445	Herbaceous / Forested Wetland	80	71.18	46.96	16.96	Yes	Yes	Yes	
Vavrus Ranch	Large parcels that may be available for purchase. Restoration of pastureland or enhancement of existing wetlands are possible mitigation options. Utilization of northern portion may offer the most ecological benefit. All wetland jurisdictional lines on the property were previously established by USACE.	Private	Not Yet Permitted	Wetland Preservation	667.0	71.18	46.96	16.96	N/A	N/A	Yes	Recent coordination between FDOT and Vavrus owners resulted in no interest in the land owner's willingness to sell all or portions of the land. This is no longer a viable option.
				Wetland Restoration	280.0	71.18	46.96	16.96				

D = Direct impact acreage and functional loss includes impacts to the vegetated linear ditches (FLUCFCS 5100, NWI: PABHx)
 S = Estimated functional loss from secondary impacts is based on worst-case typical section impacts up to 300 ft from the right-of-way.
 * = The 78 acres of forested wetland acres available equals the permitted 28 acres of forest wetland restoration and the permitted 50-acre open water refugia that could be modified into a forested wetland restoration.
 ** = Existing wetland acreage available in the Vavrus-owned parcels per SFWMD FLUCCS data. The acreage will need to be ground-truthed for accuracy.
 # = Restoration acreage denotes the existing pasture land that is located in a corridor that could connect the JW Corbett Management Area to the Loxahatchee Slough through Mecca Flow
 & = Approximate number of credits available. The exact number of credits for sale is currently being negotiated with the regulatory agencies.
 \$ = Credits available once all phases of restoration are complete.



SR 7 EXTENSION PD&E STUDY FPID No. 229664-2-22-01 MEETING MINUTES

SUBJECT: Multi-agency Meeting

DATE AND TIME: June 6, 2013 from 10:00 a.m. to 12:00 p.m.

LOCATION: U.S. Fish & Wildlife Service Office – Vero Beach

ORIGINATED BY: Beatriz Caicedo-Maddison, PE

RECORDED BY: Michael Garau, PE and Greg Juszli

PARTICIPANTS: Craig Aubrey – FWS
Victoria Foster – FWS
John Wrublik – FWS
Garett Lips – USACE
Leah Oberlin – USACE (via conference call)
Joseph Sullivan – FHWA
Linda Anderson – FHWA (via conference call)
Buddy Cunill – FHWA (via conference call)
Barbara Conmy – SFWMD (via conference call)
Caroline Hanes – SFWMD (via conference call)
Rob Hopper – SFWMD (via conference call)
Kathleen Farrell – PBC
George Webb – PB
Beatriz Caicedo-Maddison – FDOT
Steve Braun – FDOT
Morteza Alian – FDOT
Lynn Kelley – FDOT
James Poole – FDOT
Ann Broadwell – FDOT
Richard Young – FDOT
Kathleen Toolan – FDOT (via conference call)
Vicki Sharpe – FDOT (via conference call)
Greg Juszli – Sceda Ecological
Sandy Sceda – Sceda Ecological
Michael Garau – Jacobs

A coordination meeting was held between the Florida Department of Transportation (FDOT), Federal Highway Administration (FHWA), US Fish and Wildlife Service (FWS), US Army Corps of Engineers (USACE), South Florida Water Management District (SFWMD), and Palm Beach County (PBC) to discuss the mitigation plan provided to the FWS as part of the Section 7 Consultation to conclude the PD&E phase.

A summary of the mitigation plan was presented in a PowerPoint by FDOT and their consultants (see attached). The PowerPoint included an overview of the minimization efforts, proposed drainage plan, and potential impacts.

Below are the comments and discussion items made during the meeting:

1. A question was asked if there would be an opportunity for road expansion in the future (i.e. additional lanes). It was explained that this typical section could not be expanded because there is not enough room in the median as it is currently designed. This, in combination with the curb and gutter on the outside and proposed drainage swale, would make it difficult to modify in the

future. The ownership of the unused right-of-way would be transferred to another entity in the future and a conservation easement would be placed over this area. FWS responded that they would require third-party easement rights in addition to the conservation easement.

2. FWS asked that FDOT make the conservation easement definition and boundaries more clear in the mitigation plan.
3. FWS would also require a management endowment to manage the property in the future (for whatever entity would be managing it). FWS has a per acre formula that will be provided.
4. FWS generally agreed with the assessment of direct impact, however, existing upland habitats provide roosting and nesting habitat and should be included in the snail kite impact calculations.
5. FWS asked FDOT to verify the acreages used for the wood stork foraging habitat analysis because all wetlands are wood stork habitat. Wetland quality and functionality is taken into consideration in the assessment calculation formula. Only herbaceous wetland acreage was included in the foraging habitat analysis.
6. FWS' primary snail kite concern is with indirect affects. FWS still believes that the FDOT still has not adequately addressed indirect impacts.
7. FWS stated that the Rangeline right-of-way between Northlake Blvd and SR 710 would be a really good area to preserve in perpetuity. Using this area as snail kite mitigation would go a long toward achieving consent. FDOT responded that because this right-of-way is in the County's comprehensive plan, the County would need to remove it from the plan which could take one to two years. The Rangeline portion that can be negotiated at this time is Okeechobee Blvd to M-Canal section and the section north of PGA Blvd.
8. FWS asked if the FDOT and the County could agree to look into removing the Rangeline segment from Northlake Blvd to SR 710, assess this Rangeline segment's value, and consider abandoning it and incorporating it into the mitigation plan.
9. FWS stated that they can potentially accept preservation of any Rangeline segment as mitigation for the wood stork and snail kite. FDOT can propose to preserve alternate habitat areas that are similar to the impact site (with or without restoration/enhancement). Snail kites do not have a quantifiable model like the wood stork. FWS uses acres as the basis of mitigation 'worth', along with best scientific judgment.
10. FWS indicated that FDOT's response letter to FWS and the mitigation plan did not discuss the contribution of off-site lands to snail kite mitigation. FDOT agreed to make this modification.
11. FWS stated that the Snail Kite Management Plan should be part of the mitigation plan.
12. The SFWMD suggested meeting with them separately to discuss mitigation options.
13. FWS, USACE and FDOT agreed that the use of the Rangeline right-of-way between Okeechobee Blvd and M-Canal can be explored to offset snail kite impacts. The potential for wetland mitigation in this section of Rangeline is not feasible.
14. FWS can draft the Biological Opinion to indicate that the applicant can provide more than one snail kite mitigation alternative (Plan A or Plan B), which gives FDOT more snail kite mitigation

options. FDOT will meet with FWS at a later date to confirm direct and indirect impact acreage and Functional Loss calculations prior to revising the mitigation plan.

15. It was agreed that FDOT will prepare a separate section in the mitigation plan for snail kite mitigation.
16. USACE has asked for more documentation on the project's avoidance and minimization measures. FDOT believes that they have sufficiently addressed avoidance and minimization through reduction of the typical section. USACE believes that they do not have sufficient detail to sign off on the avoidance and minimization argument.
17. USACE requested that FDOT schedule a meeting with USACE to further discuss avoidance and minimization.
18. USACE asked that FDOT review the corridors proposed in the 1996 documents and provide documentation ensuring that Corridor 3 is the LEDPA alternative given current economic and environmental conditions. The FWS reiterated their request to review alternative corridors in light of changed circumstances from the original analysis.
19. The County stated that in the 1989 Comprehensive Plan, there is only one road that is mentioned as 'critical' and that is SR 7. In 1996, the County started focusing on what could be done, and in 2013, the County is still supportive of moving forward with the SR 7 Extension project. FDOT added that SR 7 is an important arterial with regional significance from Miami to Palm Beach County and that there is substantial support for the project including some residents from the Ibis community.
20. USACE encouraged the FDOT to finish and submit the LEDPA analysis. Further discussion about LEDPA and avoidance and minimization will be discussed with USACE at a future meeting.
21. Both the FWS and USACE recommended that FDOT complete and submit the Joint ERP application.

Meeting adjourned at 12:00 p.m.



SR 7 Extension PD&E Study

FM No. 229664-2-22-01

SR 7 from SR 704 (Okeechobee Boulevard)
to CR 809A (Northlake Boulevard)
Palm Beach County, Florida

Agency Coordination Meeting

June 6, 2013

Agenda



- Introductions
- Minimization Effort
 - Reduced Typical Section
 - Drainage Plan
- What are the impacts?
- Mitigation Plan Summary
 - Wetlands
 - Listed Species
- Discussion



Agenda



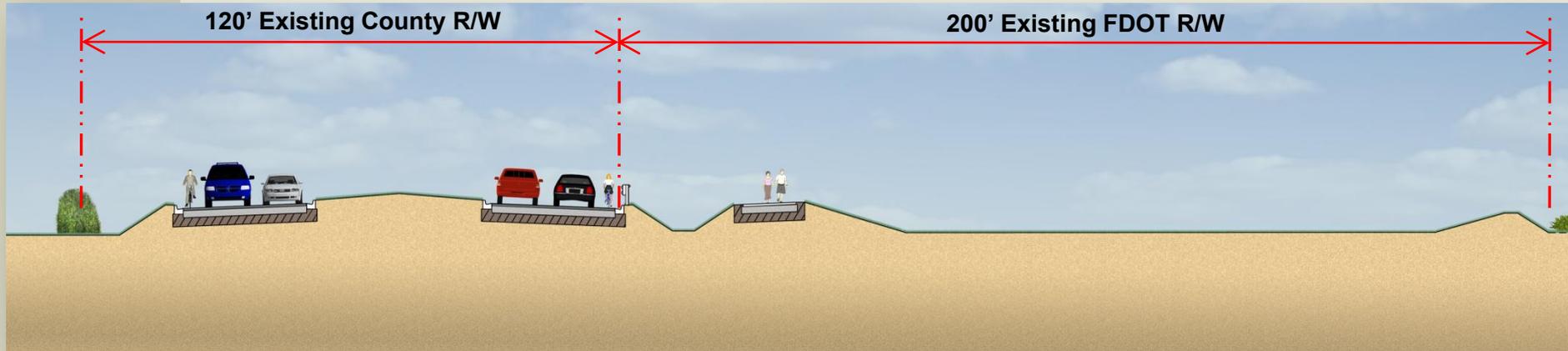
- Introductions
- Minimization Effort
 - Reduced Typical Section
 - Drainage Plan
- What are the impacts?
- Mitigation Plan Summary
 - Wetlands
 - Listed Species
- Discussion



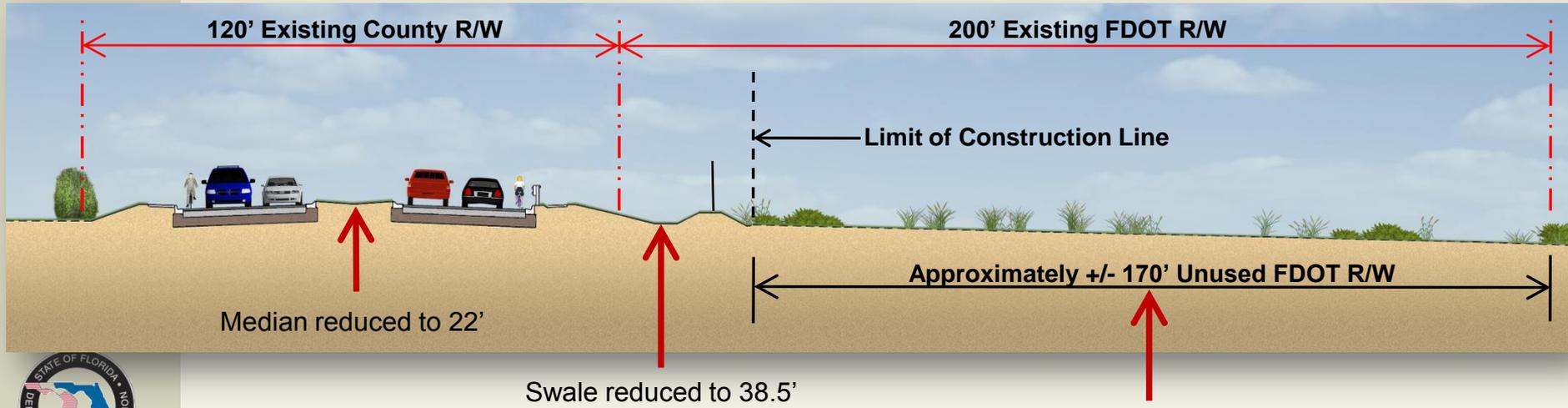


Reduced Typical Section Proposed

Original Typical Section – Adjacent to Grassy Waters Preserve



Reduced Typical Section – Adjacent to Grassy Waters Preserve

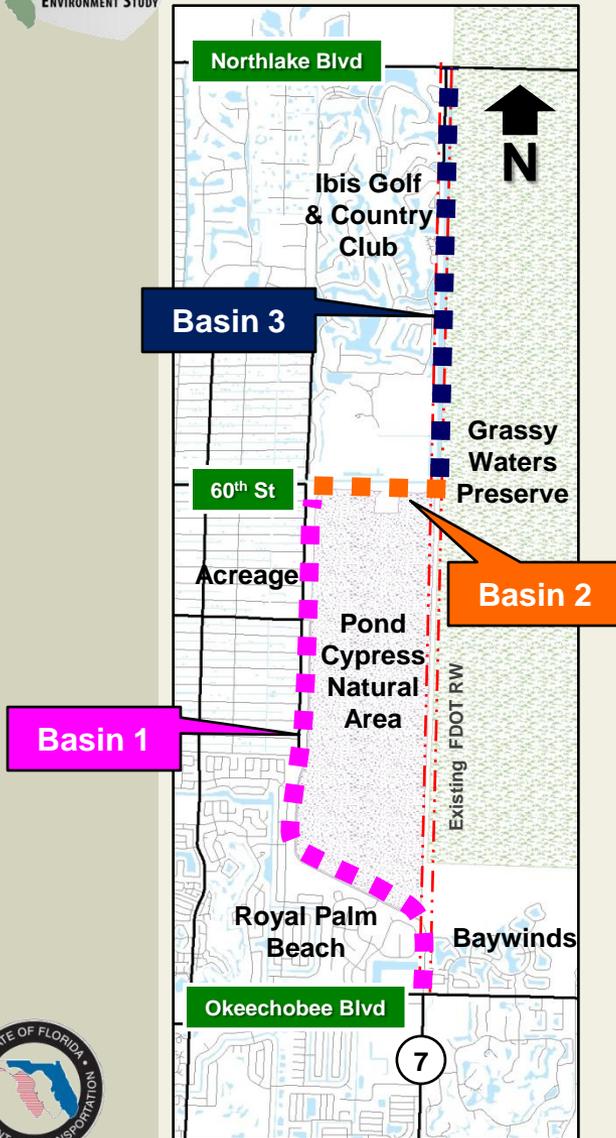


R/W = Right of Way

Approximately 56 acres of unused R/W saved next to Grassy Waters Preserve



Proposed Drainage Plan



Basin 1: Okeechobee Blvd to 60th St

- Update to existing County permit for additional 2 lanes
- Existing 2 lane roadway designed to accommodate 4 lanes with mitigation completed and conceptual approval from SFWMD

Basin 2: 60th St to M-Canal

- Proposed swale will convey water to Basin 1

Basin 3: M-Canal to Northlake Blvd

- Water collected by inlet and transferred to swale
- 51.2 acres total
- 46.8 acres will outfall into Ibis lake system within limits of the Ibis development permit
- Remainder to be retained on-site for 100-yr, 3-day storm
- No outfall into Grassy Waters Preserve





Proposed Drainage Plan

Swale between SR 7 and Grassy Waters Preserve provides the following benefits:

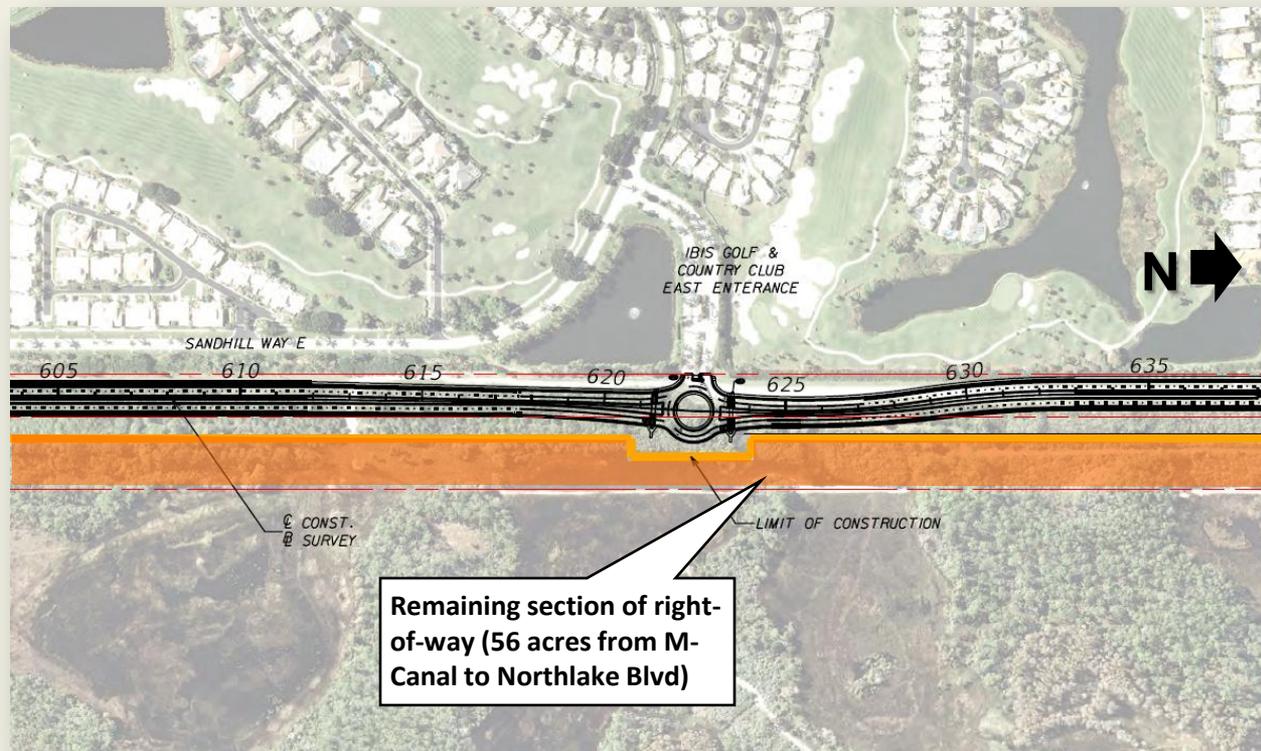
- Provides containment in the event of a spill involving contaminated materials
- Biological uptake of nutrients
- Sedimentation process removes particulates
- Vegetation helps trap suspended solids and trace metals
- Promotes groundwater recharge





Reduced Typical Section Proposed

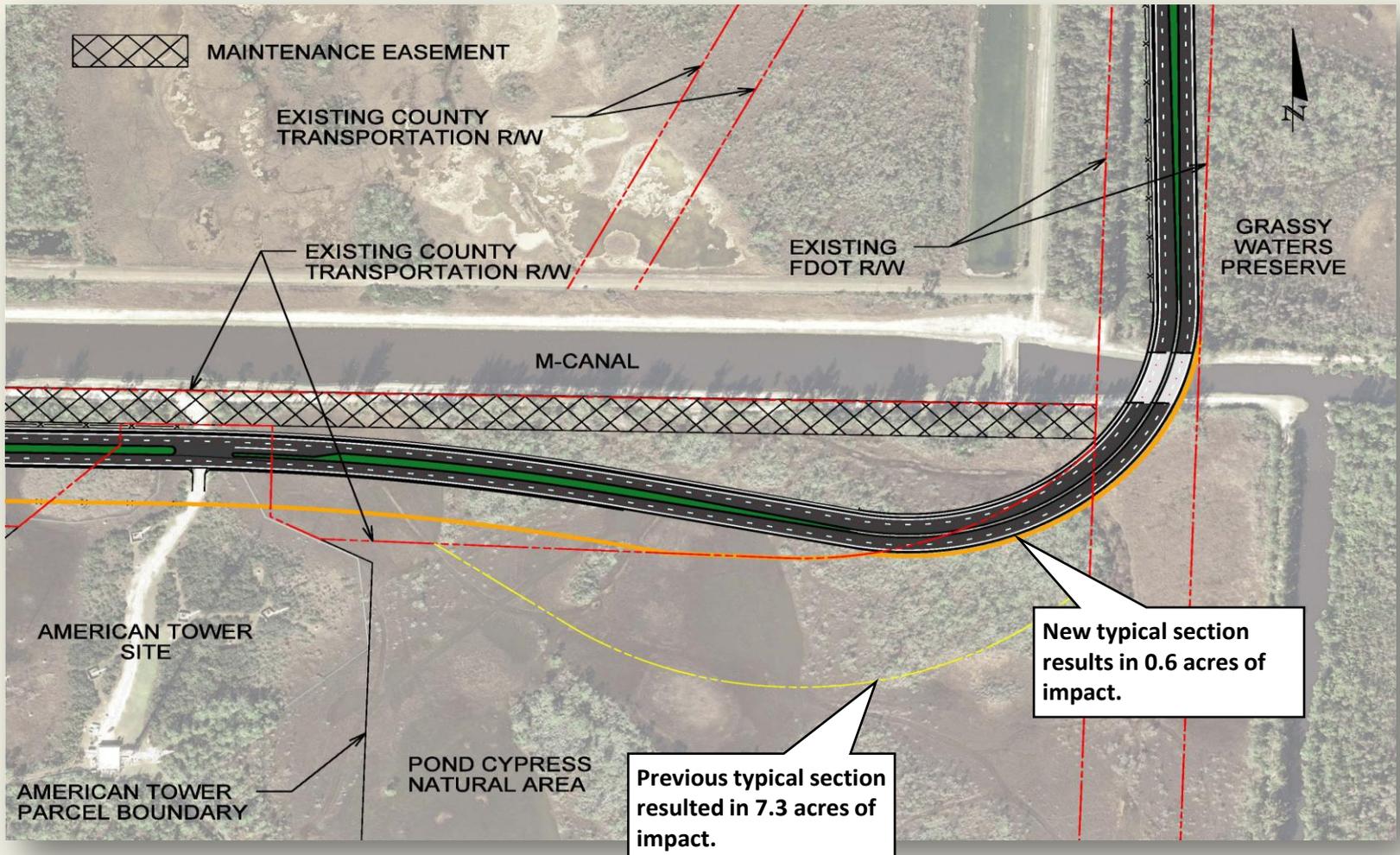
- Remaining portion of FDOT's R/W is proposed for on-site mitigation





Footprint into Pond Cypress Minimized

6.7 Acres Saved





Summary of Benefits

Feature	Original Impact	Reduced Impact	Savings
Wetlands	121.89 acres	52.9 acres	57%
Pristine wetlands along the Grassy Waters Preserve	31.8 acres	3.3 acres	90%
Pond Cypress Natural Area	7.3 acres	0.6 acres	92%
Wood Stork Biomass	181.7 kg	68.8 kg	62%
Snail Kite Habitat	10 acres	0.7 acres	93%



Agenda



- Introductions
- Minimization Effort
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What are the Impacts?

- **Wetland Impacts:**
 - 52.9 acres of impact (direct)
 - 34.10 units of functional loss (direct)
 - 15.09 units of functional loss (secondary)
- **Wood Stork:**
 - 68.8 kg of wood stork foraging biomass
- **Snail Kite:**
 - 0.7 acres of suitable freshwater marsh



Agenda



- Introductions
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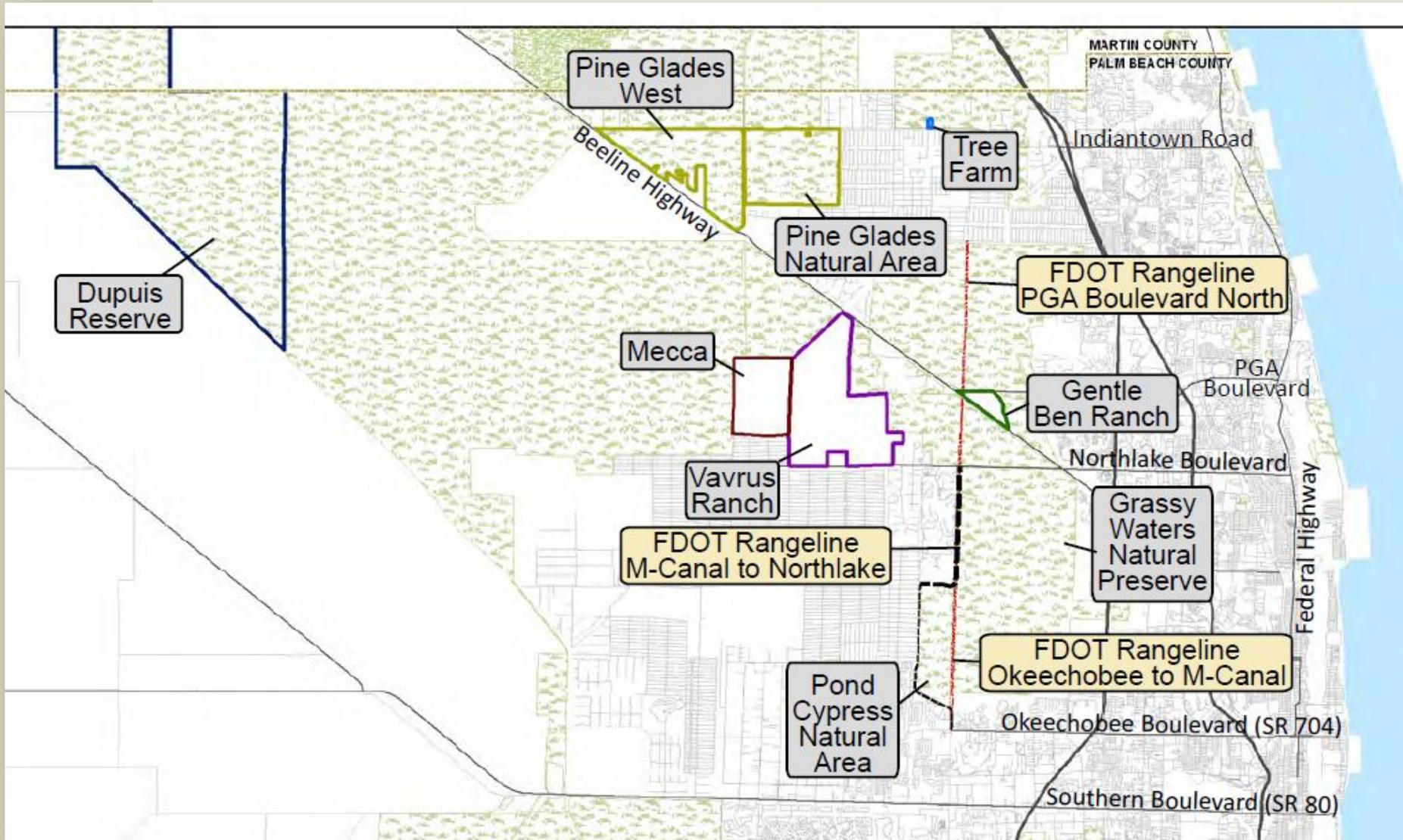
Mitigation Plan Summary

- Pine Glades North PROMA for impacts in County R/W
 - herbaceous wetlands
 - forested wetlands
 - wood stork
 - snail kite
- On-Site Restoration of FDOT Rangeline from M-Canal to Northlake Blvd (56 acres) for impacts in FDOT R/W
 - herbaceous wetlands
 - forested wetlands
 - can be designed for wood stork and snail kite
- FDOT Rangeline from Okeechobee to M-Canal
 - Secondary forested impacts will be mitigated at Pine Glades North through a wetland credit transfer with the County





Mitigation Sites





Mitigation Plan for Snail Kite

- On-site restoration within FDOT Rangeline from M-Canal to Northlake Blvd (56 acres)
- Pre-construction nesting season survey
- Nesting season surveys during construction
- Implementation of buffer zones for identified nests
- Education plan for on-site personnel
- Routine coordination with FWS





Mitigation Plan Table

Wetland Description	Impact Type	Approx. Impact (Ac)	UMAM FL	Mitigation Location
Herbaceous - FLUCFCS 6410 & 5100				
County ROW	Direct	10.11	7.93	Pine Glades North
FDOT ROW	Direct	5.81	4.16	On-Site Enhancement/Restoration M-Canal to Northlake
Section 1 Mitigation Area	Direct	0.16	0.14	On-Site Enhancement/Restoration M-Canal to Northlake
County-Responsible Buffer (0'-271' N, 0'-300' S)	Secondary	56.92	8.27	Pine Glades North
FDOT Responsible Buffer (271'-300' N)	Secondary	13.12	1.82	On-Site Enhancement/Restoration M-Canal to Northlake
Forested - FLUCFCS 6172 & 6250				
County ROW	Direct	25.59	15.51	Pine Glades North
FDOT ROW	Direct	10.81	5.97	On-Site Enhancement/Restoration, M-Canal to Northlake
Section 1 Mitigation Area	Direct	0.43	0.39	Rangeline Okeechobee to M-Canal
County-Responsible Buffer (0'-271' N, 0'-300' S)	Secondary	65.22	4.32	Pine Glades North
FDOT Responsible Buffer (271'-300' N)	Secondary	13.49	0.67	Rangeline Okeechobee to M-Canal



Agenda



- Introductions
- Minimization Effort
 - Reduced Typical Section
 - Drainage Plan
- What are the impacts?
- Mitigation Plan Summary
 - Wetlands
 - Listed Species
- Discussion





SR 7 EXTENSION PD&E STUDY FPID No. 229664-2-22-01 MEETING MINUTES

SUBJECT: Meeting with the U.S. Fish and Wildlife Service

DATE AND TIME: July 23, 2013 from 10:00 a.m. to 11:30 a.m.

LOCATION: U.S. Fish & Wildlife Service Office – Vero Beach

ORIGINATED BY: Beatriz Caicedo-Maddison, PE

RECORDED BY: Michael Garau, PE

PARTICIPANTS: John Wrublik – FWS
Joseph Sullivan – FHWA (via conference call)
Beatriz Caicedo-Maddison – FDOT
Lynn Kelley – FDOT
Kathleen Toolan – FDOT (via conference call)
Greg Juszli – Scheda Ecological
Sandy Scheda – Scheda Ecological (via conference call)
Michael Garau – Jacobs

A coordination meeting was held between the Florida Department of Transportation (FDOT), Federal Highway Administration (FHWA), and US Fish and Wildlife Service (FWS) as follow-up to the meeting held on June 6, 2013. Specific approaches to addressing direct and secondary impacts to the Everglades snail kite were presented as outlined in the attached agenda. Below are the comments and discussion items made during the meeting:

1. A table listing the total acreage of the project footprint and the acreage of each habitat type (as defined by Florida Land Use and Cover Classification System) was provided. A request was made for this information during the meeting on June 6, 2013 and by letter dated June 25, 2013.
2. The FDOT reiterated that significant reductions in impacts have been made through the coordination process with the permitting agencies. This includes 93% reduction in impacts to marsh habitat, a 92% reduction in impact to forested wetlands, and 90% reduction in higher quality habitats.
3. The FDOT gave an overview of the marsh habitat encountered in the project area and what was considered as optimal versus sub-optimal. The marsh habitat by the Ibis Preserve outfall is low quality due to large stands of dense cattail and not considered suitable for snail kite. In addition, the wetland habitats south of the M-Canal are short hydro-period and considered sub-optimal. This is based on conversations with PBC ERM, and six years of direct observations by project ecologists.
4. The compensation plan for direct impacts includes on-site mitigation (creation and restoration) within the unused right-of-way along the Grassy Waters Preserve, the removal of exotics within the unused right-of-way (enhancement), and the use of Pine Glades North for impacts within the County right-of-way.
5. During the last meeting, the FWS requested that FDOT include forested wetlands as impact to snail kite. The FDOT proposed to apply a 50-ft ring around each marsh habitat and include any forested habitats that fall within this area as direct impacts. The FWS commented that the 50-ft ring may be too small and additional discussion within FWS would be needed to finalize the approach.

6. FDOT noted that Pine Glades North is good for snail kite and has a good amount of apple snails. G. Juszli has coordinated with PBC ERM representatives and will provide a summary of the information obtained.
7. FDOT noted that there are no direct impacts to FWS-designated critical or priority habitat for the snail kite.
8. FDOT reiterated that once the areas of unused right-of-way are turned over as conservation, that it would be impossible to expand SR 7. A statement to this effect will be included in the mitigation plan and other reports.
9. FWS reiterated the need for FDOT to provide FWS with 3rd party rights on any donated conservation lands.
10. Concerning secondary impacts, the plan includes mitigating impacts identified by UMAM calculations. Above and beyond this approach, the FDOT offered the conservation and preservation of the Rangeline property from north of Okeechobee Boulevard to the M-Canal. This area includes approximately 85 acres of high quality wetlands.
11. The FDOT noted that no change in hydrology to adjacent wetlands will occur as a result of this project. This is important for the existing population of apple snails. In addition, all stormwater will be directed to the west, away from the Grassy Waters Preserve, therefore, stormwater related pollutants will not be entering adjacent wetlands. Finally, the drainage swales within the roadway cross section will be dry swales, so there is nothing to attract the snail kites to the roadway cross section.
12. Any impacts from vehicle headlights can be avoided through the use of a vegetative buffer and by adding a screen to the proposed fence. Another benefit from the vegetative buffer is that it would make any bird fly up and over the road. This would minimize the potential for vehicle strikes.
13. The FWS is concerned with noise-related secondary impacts to nest sites and use of foraging areas, and requested a noise contour map.

Meeting adjourned at 11:30 a.m.



SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
USFWS AGENCY COORDINATION MEETING
JULY 23, 2013

AGENDA

1. Acreage of Habitats within Project Footprint

Documented in ESBA - refer to attached table (Table 4-1)

2. Direct Impacts to Snail Kite Habitat

Habitat

Minimization of direct wetland habitat impacts to date:

- Impacts to marsh habitat reduced by 93%
- Impacts to forested wetland reduced by 92%
- Impacts to higher quality 'A' habitats reduced by 90%

Optimal versus sub-optimal marsh habitats for snail kite:

- Literature review and 6 years of project-related observations
- Buffered to include adjacent forested wetlands (refer to 11x17 figures)

Compensation for direct habitat impacts:

- Multi-faceted approach
- On-site mitigation; create and manage for snail kite habitat (56 acres)
- Manage exotics
- Pine Glades North – snail kites known to frequent and apple snail food source is present (based on observations by Palm Beach County ERM)

Critical Habitat

- There are no direct affects to any FWS-designated snail kite critical habitat

Priority Habitat

- There are no direct impacts to FWS-designated Priority Habitats Areas for snail kite

Direct Injury and Mortality

Minimization or elimination of potential direct effects during construction:

- Use of FWS Guidelines and a project-specific construction protection plan will prevent any direct effect to snail kite nests which includes monitoring and suspension of work, when necessary

Vehicular strikes

- Use of vegetative buffer – tree/shrub combination
- No attraction for snail kites to roadway; roadside swales will be dry swales
- Eight years of data in D6 along the 18-mile stretch where snail kites are known to occur; no records of vehicle strikes
- Research of monitoring along local roads; no data or monitoring requirements found

3. Indirect Effects to Snail Kite Habitat

Degradation of Adjacent Wetlands

- Wetland indirect impacts as measured by UMAM Functional Loss; these impacts will be mitigated appropriately
- No change in hydrology in adjacent wetlands
- Conservation and preservation of Rangeline from Okeechobee to M-Canal (84.5 acres total; 84.5 acres of high quality herbaceous wetlands)

Indirect Effects to Water Quality and Apple Snails

- No change in hydrology in adjacent wetlands
- All stormwater directed to west
- Marsh areas lowered in mitigation area to be more conducive to apple snails
- Offset potential effects with apple snail inoculation program in mitigation area
- Control exotic and nuisance plants

Roadway Operation Potential Indirect Effects

- Roadway lighting will be coordinated with FWS
- Vehicle headlights
 - Use of vegetative buffer
 - Use higher screen on bridge
 - Use fencing with screening
- Vehicle noise
 - Noise along known nesting area will be buffered by 150 feet of mitigation area
 - Noise from vehicles on bridge could be tempered by wall
 - Noise study of existing roadways and at Solid Waste Authority is planned this month to be conducted to determine potential for effects since:
 - ✓ Snail kites have been observed to perch off of Northlake Boulevard
 - ✓ Snail kites known to roost at the Solid Waste Authority site

4. Clarification of Calculation for Endowment Fund

5. Wildlife Crossing Opportunities

- M-Canal crossing and Ibis Preserve outfall will be also be wildlife crossing
- Many of the considerations presented above are appropriate to all wildlife

6. Woodstork Biomass Calculation - Revised

Table 4-1. Land Use / Land Cover (FLUCFCS) Within Existing Project Right-of-Way

FLUCFCS CODE		DESCRIPTION	NATIONAL WETLAND INVENTORY CODE	AREA WITHIN EXISTING PROJECT ROW (Acres)	AREA WITHIN EXISTING PROJECT ROW (%)
4000: Upland Forests	4110	Pine Flatwoods	n/a	0.71	0.9
	Total			0.71	0.9
5000: Water	5100	Streams and Waterways (M Canal)	PUBHx	0.25	0.3
	5100	Streams and Waterways (Vegetated Ditches)	PABHx	4.77	6.3
	Total			5.02	6.7
6000: Wetlands	6172	Mixed Wetland Shrub	PSS1	14.31	19.0
	6250A	Hydric Pine Flatwood	PFO3/4	9.32	10.7
	6250B	Hydric Pine Flatwood	PFO3/4	13.20	17.5
	6250A	Hydric Pine Flatwood	PFO4	0.00	12.2
	6410A	Freshwater Marsh	PEM1	10.23	17.0
	6410B	Freshwater Marsh	PEM1	1.08	1.5
	Total			48.14	64.0
7000: Barren Land	7430	Spoil Mound	n/a	13.56	15.7
	Total			13.56	18.0
8000: Transportation, Communication, Utilities	8100	Utilities, Roads and Highways	n/a	7.84	7.0
	Total			7.84	7.0
		Totals		75.27	100.0

- PUBHx Palustrine, Unconsolidated Bottom with
- PSS1 Palustrine, scrub-shrub, with persistent vegetation
- PFO3 Palustrine, forested, with broad-leaved deciduous vegetation
- PFO3/4 Palustrine, forested, with broad-leaved/needle-leaved evergreen vegetation
- PFO4 Palustrine, forested, with needle-leaved evergreen vegetation
- PEM1 Palustrine, emergent marsh, with persistent vegetation

Table 1-1. Approximate Direct Impact Acreages and Associated Functional Loss to Wetlands for Recommended Alternative

South of the M-Canal											
Wetland Type	NWI Classification	FLUCFCS Code	Total Acres	Location and Landscape Support		Water Environment		Community Structure		Delta	Functional Loss (FL)
				Current Condition	With Project	Current Condition	With Project	Current Condition	With Project		
Freshwater Marshes - Native Dominated	PEM1	6410A	8.29	8	0	8	0	8	0	-0.80	6.63
Freshwater Marsh - Exotic Dominated	PEM1	6410B	0.00	-	-	-	-	-	-	-	N/A
Mixed Shrubs - Exotic Dominated	PSS1	6172	0.00	-	-	-	-	-	-	-	N/A
Hydric Pine - Native Dominated	PFO3/4	6250A	7.41	8	0	8	0	9	0	-0.83	6.18
Hydric Pine - Exotic Dominated	PFO3	6250B	0.96	5	0	7	0	7	0	-0.63	0.61
Vegetated Ditches	PABHx	5100	0.00	-	-	-	-	-	-	-	N/A
Channelized Canals - Unvegetated	PUBHx	5100	0.00	-	-	-	-	-	-	-	N/A
Total			16.66								13.42
North of the M-Canal											
Wetland Type	NWI Classification	FLUCFCS Code	Total Acres	Location and Landscape Support		Water Environment		Community Structure		Delta	Functional Loss (FL)
				Current Condition	With Project	Current Condition	With Project	Current Condition	With Project		
Freshwater Marshes - Native Dominated	PEM1	6410A	1.78	7	0	7	0	8	0	-0.73	1.31
Freshwater Marsh - Exotic Dominated	PEM1	6410B	1.08	7	0	6	0	5	0	-0.60	0.65
Mixed Shrubs - Exotic Dominated	PSS1	6172	14.31	5	0	5	0	4	0	-0.47	6.68
Hydric Pine - Native Dominated	PFO3/4	6250A	1.48	7	0	7	0	8	0	-0.73	1.09
Hydric Pine - Exotic Dominated	PFO3	6250B	12.24	7	0	6	0	4	0	-0.57	6.94
Vegetated Ditches	PABHx	5100	4.77	8	0	7	0	7	0	-0.73	3.50
Channelized Canals - Unvegetated	PUBHx	5100	0.26	-	-	-	-	-	-	-	N/A
Total			35.66							-	20.15
Within Section 1 Mitigation Area											
Wetland Type	NWI Classification	FLUCFCS Code	Total Acres	Location and Landscape Support		Water Environment		Community Structure		Delta	Functional Loss (FL)
				Current Condition	With Project	Current Condition	With Project	Current Condition	With Project		
Freshwater Marshes - Native Dominated	PEM1	6410A	0.16	9	0	9	0	9	0	-0.90	0.14
Hydric Pine - Native Dominated	PFO3/4	6250A	0.43	9	0	9	0	9	0	-0.90	0.39
Total			0.59								0.53

TOTAL DIRECT IMPACT FL = 34.10

* South of M-Canal impacts include wetland acreage in the Cell Tower Parcel

** Total acreage north of M-Canal represents only wetland impact acreage; impacts to channelized canal (M-Canal) not included.



LEGEND

Reduced Typical Limit of Construction

Land Cover

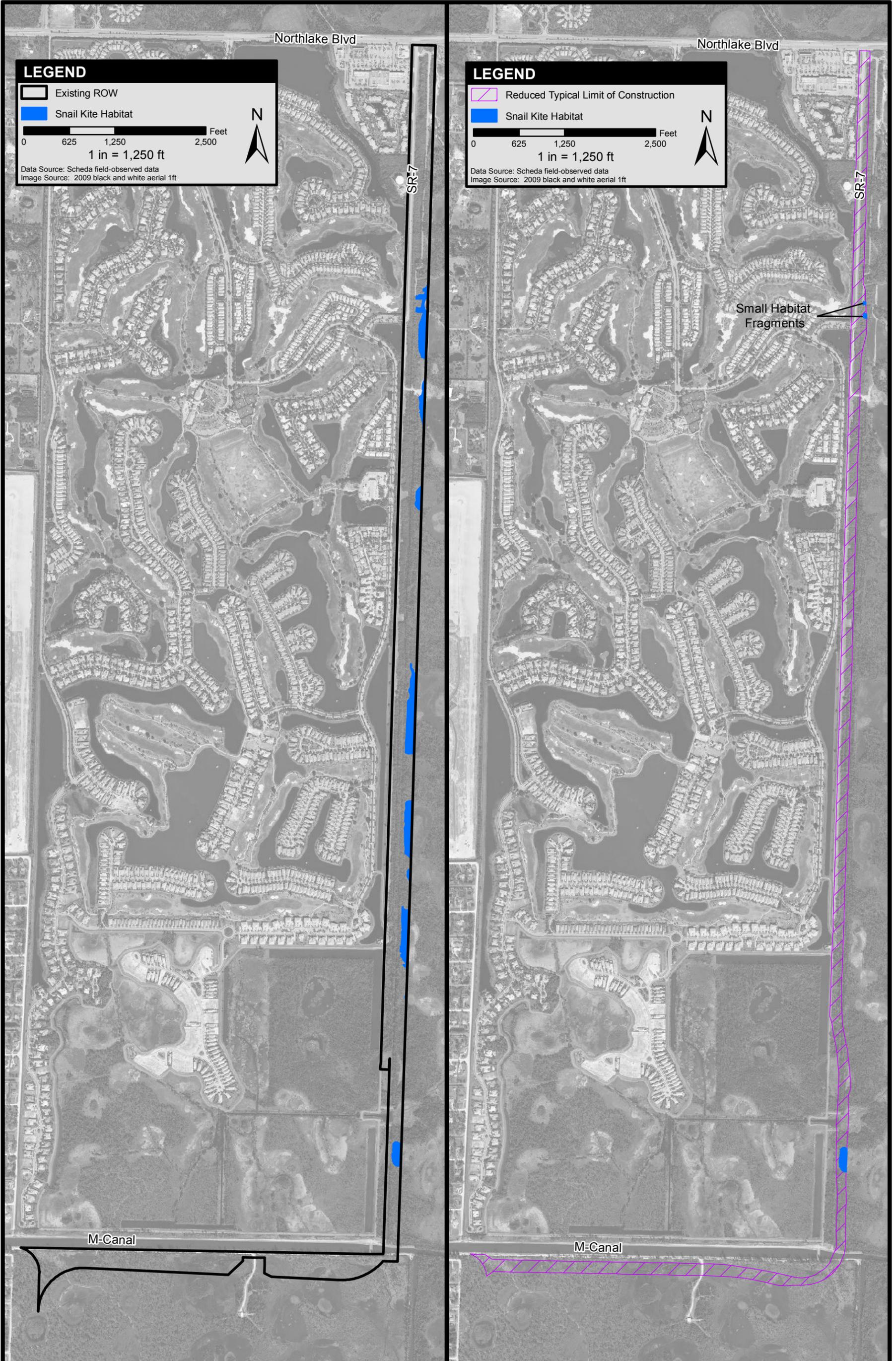
6410A

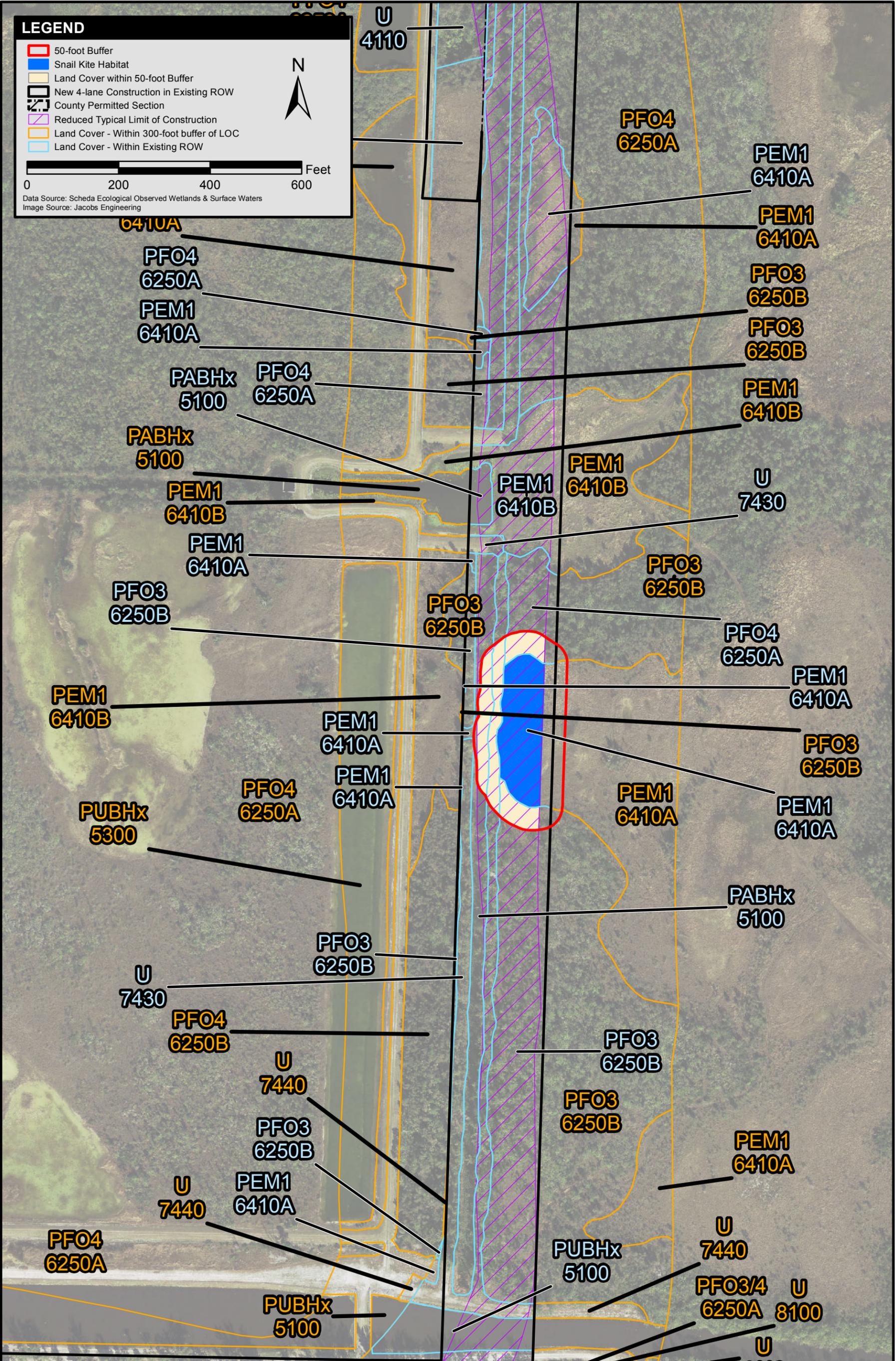
6410B

0 625 1,250 2,500 Feet

Data Source: Scheda field-observed data
Image Source: 2009 black and white aerial 1ft







SR 7 CORRIDOR EXTENSION
PD&E STUDY
Palm Beach County, Florida
FPID # 229664-2-22-01

BUFFERED SNAIL KITE HABITAT - EXAMPLE

Table 1-4. Approximate Secondary Impact Acreages and Associated Functional Loss to Wetlands & Surface Waters Located 0-50 Feet from the Limits of Construction (Recommended Alternative)

South of the M-Canal											
Wetland Type	NWI Classification	FLUCFCS Code	Total Acres	Location and Landscape Support		Water Environment		Community Structure		Delta	Functional Loss (FL)
				Current Condition	With Project	Current Condition	With Project	Current Condition	With Project		
Freshwater Marshes - Native Dominated	PEM1	6410A	4.30	9	6	9	7	9	6	-0.27	1.15
Freshwater Marsh - Exotic Dominated	PEM1	6410B	0.00	-	-	-	-	-	-	-	-
Mixed Shrubs - Exotic Dominated	PSS1	6172	0.00	-	-	-	-	-	-	-	-
Hydric Pine - Native Dominated	PFO3/4	6250A	5.95	9	6	9	7	9	6	-0.27	1.59
Hydric Pine - Exotic Dominated	PFO3	6250B	0.19	5	0	7	0	7	0	-0.63	0.12
Vegetated Ditches	PABHx	5100	0.00	-	-	-	-	-	-	-	-
Total			10.44								2.85
North of the M-Canal											
Wetland Type	NWI Classification	FLUCFCS Code	Total Acres	Location and Landscape Support		Water Environment		Community Structure		Delta	Functional Loss (FL)
				Current Condition	With Project	Current Condition	With Project	Current Condition	With Project		
Freshwater Marshes - Native Dominated	PEM1	6410A	1.22	7	4	7	5	8	5	-0.27	0.33
Freshwater Marsh - Exotic Dominated	PEM1	6410B	1.10	7	4	6	4	5	3	-0.23	0.26
Mixed Shrubs - Exotic Dominated	PSS1	6172	3.80	5	2	5	3	4	2	-0.23	0.89
Hydric Pine - Native Dominated	PFO3/4	6250A	2.25	7	4	7	5	8	5	-0.27	0.60
Hydric Pine - Exotic Dominated	PFO3	6250B	2.02	7	4	6	4	4	2	-0.23	0.47
Vegetated Ditches	PABHx	5100	7.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
Total			17.39								2.54

N/A = The vegetated ditches will be filled and restored to herbaceous marsh as part of the on-site mitigation plan. Separate UMAMs will be conducted for all habitat types proposed for enhancement/restoration.

TOTAL SECONDARY IMPACT FL (0-50 ft) = 5.39

Table 1-5. Approximate Secondary Impact Acreages and Associated Functional Loss to Wetlands & Surface Waters Located 50-300 Feet from the Limits of Construction (Recommended Alternative)

South of the M-Canal											
Wetland Type	NWI Classification	FLUCFCS Code	Total Acres	Location and Landscape Support		Water Environment		Community Structure		Delta	Functional Loss (FL)
				Current Condition	With Project	Current Condition	With Project	Current Condition	With Project		
Freshwater Marshes - Native Dominated	PEM1	6410A	13.86	9	7	9	8	9	7	-0.17	2.31
Freshwater Marsh - Exotic Dominated	PEM1	6410B	0.00	-	-	-	-	-	-	-	-
Mixed Shrubs - Exotic Dominated	PSS1	6172	0.00	-	-	-	-	-	-	-	-
Hydric Pine - Native Dominated	PFO3/4	6250A	13.47	9	8	9	8	9	8	-0.10	1.35
Hydric Pine - Exotic Dominated	PFO3	6250B	0.00	-	-	-	-	-	-	-	-
Vegetated Ditches	PABHx	5100	0.00	-	-	-	-	-	-	-	-
Total			27.33								3.66

North of the M-Canal

Wetland Type	NWI Classification	FLUCFCS Code	Total Acres	Location and Landscape Support		Water Environment		Community Structure		Delta	Functional Loss (FL)
				Current Condition	With Project	Current Condition	With Project	Current Condition	With Project		
Freshwater Marshes - Native Dominated	PEM1	6410A	37.39	7	5	7	6	8	6	-0.17	6.23
Freshwater Marsh - Exotic Dominated	PEM1	6410B	3.60	7	5	6	5	5	4	-0.13	0.48
Mixed Shrubs - Exotic Dominated	PSS1	6172	5.85	5	4	5	4	4	3	-0.10	0.59
Hydric Pine - Native Dominated	PFO3/4	6250A	32.33	8	7	7	6	8	7	-0.10	3.23
Hydric Pine - Exotic Dominated	PFO3	6250B	12.85	7	6	6	5	4	3	-0.10	1.29
Vegetated Ditches	PABHx	5100	1.58	N/A	N/A	N/A	N/A	N/A	N/A	N/A	-
Total			93.60								11.81

Ibis Mitigation Area

Wetland Type	NWI Classification	FLUCFCS Code	Total Acres	Location and Landscape Support		Water Environment		Community Structure		Delta	Functional Loss (FL)
				Current Condition	With Project	Current Condition	With Project	Current Condition	With Project		
Freshwater Marshes - Native Dominated	PEM1	6410A	2.14	9	7	9	8	9	7	-0.17	0.36
Hydric Pine - Native Dominated	PFO3/4	6250A	4.22	9	8	9	8	9	8	-0.10	0.42
Total			6.36								0.78

N/A = The vegetated ditches will be filled and restored to herbaceous marsh as part of the on-site mitigation plan. Separate UMAMs will be conducted for all habitat types proposed for enhancement/restoration.

TOTAL SECONDARY IMPACT FL (50-300 ft) = 16.25



SR 7 EXTENSION PD&E STUDY FPID No. 229664-2-22-01 MEETING MINUTES

SUBJECT: Meeting with U.S. Army Corps of Engineers

DATE AND TIME: August 13, 2013 from 10:00 a.m. to 11:00 a.m.

LOCATION: U.S. Army Corps of Engineers office – Palm Beach Gardens

ORIGINATED BY: Beatriz Caicedo-Maddison, PE

RECORDED BY: Michael Garau, PE

PARTICIPANTS: Garrett Lips – USACOE
Beatriz Caicedo-Maddison – FDOT
Ann Broadwell – FDOT (via conference call)
Richard Young – FDOT (via conference call)
Kathleen Toolan – FDOT (via conference call)
Ron Wallace – FDOT (via conference call)
Greg Juszli – Scheda Ecological
Michael Garau – Jacobs

A coordination meeting was held between the Florida Department of Transportation (FDOT) and the US Army Corps of Engineers (USACE) to discuss the corridor selection process and permitting.

Below are the comments and discussion items made during the meeting:

1. An overview of the corridor selection process was provided. In 1993, the FDOT began preparing a series of planning reports to document the need for the project and identify alternative corridors. The series of reports prepared during the study examined the feasibility of extending SR 7 from Okeechobee Boulevard in Palm Beach County to parts of Martin County. Five corridors were considered and three were recommended for further evaluation through the PD&E process.

In June, 1998, the FDOT and Palm Beach County began a feasibility study for the extension of SR 7 with the limits confined to SR 710. Twenty five corridors were proposed. Several agency workshops were held to discuss the proposed corridors and narrow down the selection. Ultimately, eight were selected to advance forward in the evaluation. All of the alternatives that went west through the Acreage and towards Seminole Pratt Whitney Road were discarded through the agency participation process.

In January, 2000, the FDOT initiated a formal PD&E study of the remaining eight alternatives. However, the project was suspended in October, 2000, after the MPO approved a motion to the stop the on-going PD&E Study.

2. USACOE commented that FDOT needs to connect the purpose and need between the different planning/feasibility studies that have occurred in the past.
3. USACOE commented that FDOT needs to address why improving local streets, such as 60th Street and Coconut Blvd, is not possible.
4. USACOE reiterated the desire to drop the segment from Northlake to SR 710 from future plans. FDOT responded that an extension beyond Northlake is not part of the MPO's long range plan. It is shown on the County's comprehensive plan and they will need to remove it. This process could take 1 to 2 years.

Meeting adjourned at 11:00 a.m.



SIGN-IN SHEET

SR 7 EXTENSION PD&E STUDY

MEETING PURPOSE: ALOE Coordination Meeting

DATE: August 13, 2013

NAME	REPRESENTING	PHONE	EMAIL
Michael Garau	Jacobs	954 246-1230	michael.garau@jacobs.com
Garrett Lips	USACE	861 472 3519	garrett.g.lips@usace.army.mil
Beatriz Cascedo - U	FDOT	954 777 4336	beatriz.cascedo@dot.fl.us
GREG JUSZLI	SCHEDA	786-554-1699	g.juszli@scheda.com



SR 7 EXTENSION PD&E STUDY FPID No. 229664-2-22-01 MEETING MINUTES

SUBJECT: Meeting with the U.S. Fish and Wildlife Service

DATE AND TIME: January 14, 2014 from 10:30 a.m. to 12:00 p.m.

LOCATION: U.S. Fish & Wildlife Service Office – Vero Beach

ORIGINATED BY: Beatriz Caicedo-Maddison, PE

RECORDED BY: Greg Juszli, Scheda Ecological Associates, Inc.

PARTICIPANTS: Beatriz Caicedo-Maddison – FDOT
John Wrublik – FWS
Craig Aubrey – FWS
Victoria Foster - FWS
Greg Juszli – Scheda Ecological
Joseph Sullivan – FHWA (via conference call)
Ann Broadwell – FDOT (via conference call)
Lynn Kelley – FDOT (via conference call)
Kathleen Toolan – FDOT (via conference call)
Vicki Sharpe – FDOT (via conference call)
Shereen Yee Fong – FDOT (via conference call)
Sandy Scheda – Scheda Ecological (via conference call)
Michael Garau – Jacobs (via conference call)

A coordination meeting was held between the Florida Department of Transportation (FDOT) staff and US Fish and Wildlife Service (FWS) staff in regard to questions resulting from the FWS letter dated December 13, 2013 addressing proposed mitigation for snail kite foraging and nesting habitat impacts. The FDOT submitted a list of five questions to FWS prior to the meeting date. Below are the comments and discussion items made during the meeting and the FWS's responses to the submitted questions:

- 1) Beatriz Caicedo-Maddison began the meeting by stating its purpose was to clarify items stated in the December 13, 2013 letter.
- 2) Joe Sullivan from FHWA asked FWS to define how they are going to assess compensatory mitigation for snail kite habitat impacts. Mr. Sullivan thought it crucial that FWS take into consideration the degraded nature of wetlands in the direct impact footprint. Mr. Sullivan asked whether a methodology similar to UMAM that assesses wetland quality and functionality would be used or whether direct and indirect impact acreage could be mitigated using a ratio methodology. FWS responded that there are no standards or guidelines for quantifying the appropriateness of snail kite foraging and nesting habitat mitigation. They would assess the appropriateness of the FDOT snail kite habitat mitigation plan using best scientific judgment in relation to the data provided to them by FDOT and snail kite data available in the scientific literature.
- 3) As a follow up, two tables (attached) that summarize the direct and indirect impact acreage, broken down by existing habitat types (as defined by Florida Land Use and Cover Classification System (FLUCCS)) within the direct impact footprint, 0-300 ft buffer, 300-800 ft buffer, and in the various Rangeline segments within the project vicinity were provided to FWS. The tables also assigned a proposed ranking of the suitability of nesting and foraging habitat, by FLUCCS code (none, low, medium, and high). The rankings were discussed and FWS stated that they provided much better detail on the current conditions of the habitats within the impact footprint and the Rangelines. FWS commented that a column for the suitability of perching and roosting habitat should be added. FWS stated that it needed additional time to further review the data provided in the tables and this review

will help guide the quantity and quality of snail kite habitat mitigation that will be needed. FDOT and its consultants will revise the tables and submit to FWS for further review.

- 4) FDOT proposed that if preservation and conservation of any segment of Rangeline was proposed as snail kite habitat mitigation, could the acreages deemed appropriate snail kite habitat within the 800-ft buffer area surrounding the preserved/conserved lands be counted as “lift” and be added to the quantity of snail kite habitat mitigation acreage being provided. FWS stated that it would need to think through this suggestion.
- 5) FWS asked whether wetland enhancement and/or restoration options were available in the Rangeline segments. Sceda responded that minimal enhancement/restoration options were available in the Rangeline segment from Okeechobee Blvd to the M-Canal and the segment from PGA Blvd to Jupiter Farms because Palm Beach County has been conducting maintenance/exotic control within the Rangelines for years. The Rangeline between Northlake Blvd and SR 710 would need to be investigated to make this determination.
- 6) FWS asked whether any snail kite nests were documented in any segment of Rangeline or within the Pine Glades PROMA. Sceda responded that Palm Beach County has no nesting data but does have documented observations of foraging and perching in the Pine Glades North PROMA site.
- 7) FWS stated that the lack of snail kite nests in Pine Glades does not make it a proper site for mitigation for impacts to snail kite nesting habitat. Using this same logic, the acreage in the project’s direct impact footprint should also not be considered nesting habitat given that no nests have ever been identified within the direct impact limits. FWS stated they would consider this.
- 8) FDOT stated that conservation/preservation of the Rangeline segment between Northlake Blvd and SR 710 may be a viable snail kite habitat mitigation option. FWS stated that preserving/conserving this area would go a long way toward approving a mitigation plan for snail kite habitat impacts. FDOT asked whether additional mitigation would be needed beyond the preservation/conservation of the Rangeline segments. FWS stated they could not answer this until they review the tables more thoroughly.
- 9) FDOT will coordinate with Palm Beach County on the wording for the commitment to release the Rangeline between Northlake Blvd and SR 710 that FWS will be comfortable with.

Questions

- 1) When considering snail kite habitat, do we include wetland areas that are dominated by exotics?

FWS response: Exotic dominated wetland areas still can provide foraging, perching/roosting, and nesting habitat. Given the proximity to Grassy Waters Preserve, with known nest sites and snail kite foraging habitat, exotic-dominated wetland areas should be considered as snail kite habitat.

- 2) What is FWS’s definition of foraging habitat versus nesting habitat versus all snail kite habitat?

FWS response: Foraging habitat is any habitat, forested or herbaceous, that contains snail kite prey. The prey includes apple snails, the exotic island apple snail, small fish, and small reptiles/amphibians. Nesting habitat is any habitat with a documented nest site or has the ability to host a nest given its vegetation characteristics, proximity to food source, and proximity to man-made impediments (i.e. roadways and development). Snail kite habitat is all habitats that provide any combination of foraging, perching, roosting, and/or nesting habitat.

- 3) Can the proximity analysis using the snail kite GIS database be adjusted by the fact that a 2-lane road already exists in the N-S section?

FWS response: FWS confirmed that the GIS database analysis that was conducted to form the 800-ft indirect affect buffer for nesting habitat that was referenced in the December 13, 2013 letter was created based on location data from all known snail kite nests statewide in relation to four-lane highways. FWS claims that the nearest nest to a four-lane highway was located approximately 800 ft away. FDOT mentioned that a nest identified in the Grassy Waters Preserve in 2010 was located approximately 500 ft from the existing two-lane portion of SR-7 that connects Ibis to Northlake Blvd. FWS stated that because the existing portion of SR-7 is only two-lane and has significantly less traffic/noise compared to a four-lane highway, it is not comparable.

- 4) Since the snail kites in Florida are considered one population, does the mitigation for snail kite have to be near the project?

FWS response: If additional mitigation is needed after FWS concludes its review of the direct and indirect impact tables provided to them, then FWS would consider mitigation strategies in other areas known to contain nesting populations, such as north of Lake Okeechobee and the Lake Kissimmee areas. However, FWS prefers to keep mitigation as local to the project corridor as possible.

- 5) Can we get the snail kite occurrence and nesting data so that other alternative mitigation proposals may be conceptualized?

FWS response: FWS stated that select data from the GIS database (nest location data within the vicinity of the project corridor) would be provided to FDOT following the meeting.

Meeting adjourned at 12:00 p.m.

Table 1. Comparison of Direct Habitat Impacts for Project and Protection within Potential Rangeline Conservation Areas

FLUCFCS CODE	DESCRIPTION	NATIONAL WETLAND INVENTORY CODE	DOMINANT VEGETATION	COMMENTS	SUITABILITY FOR SNAIL KITE FORAGING HABITAT	SUITABILITY FOR SNAIL KITE NESTING HABITAT	SUITABILITY FOR SNAIL KITE PERCHING/ROOSTING HABITAT	AREA WITHIN LOC OF REDUCED TYPICAL SECTION (Acres)	RANGELINE: OKEECHOBEE TO M-CANAL	RANGELINE: NORTHLAKE TO SR 710	RANGELINE: SR 710 TO JUPITER FARMS	TOTAL FOR ALL RANGELINE SECTIONS	
4000: Upland Forests	4110	Pine Flatwoods	n/a	Scrub Pine	Upland is located adjacent to large marsh areas and in vicinity of 2011 nest site	NONE	MEDIUM	HIGH	0.71		14.96	13.05	
	Total								0.71	0.00	14.96	13.05	28.01
5000: Water	5100	Streams and Waterways (M Canal)	PUBHx	Non-vegetated (open water)	No vegetation for snail food source or for snails to lay eggs	LOW	NONE	NONE	0.25			0.45	
	5100	Streams and Waterways (Vegetated Ditches)	PABHx	Cattail, spadderdock, water lily	Ditches are narrow with relatively thick canopy coverage from surrounding vegetation (Brazilian pepper and Australian pine), limiting snail kite access.	LOW	NONE	NONE	4.77				
	Total								5.02	0.00	0.00	0.45	0.45
6000: Wetlands	6172	Exotic-Dominated Wetland Shrub	PSS1	Brazilian pepper, Carolina willow	Thick coverage by Brazilian pepper severely limits foraging, nesting, and roosting potential.	LOW	LOW	LOW	14.31				
	6172	Mixed Wetland Shrub	PSS1	Cocoplum, Wax myrtle, willow	Relatively low water levels (compared to marsh) limit apple snail availability; reduced canopy layer results in less desirable nesting sites, but optimal roosting sites.	LOW	MEDIUM	HIGH	0.00	8.75	4.22	12.97	
	6250A	Hydric Pine Flatwood	PFO3/4	slash pine, dahoon holly, saw palmetto	Typically located adjacent to large, open marshes. Thick shrub layer and relatively low water levels (compared to marsh) limit apple snail availability.	LOW	MEDIUM	HIGH	9.32	12.51	9.12	21.63	
	6250B	Exotic-Dominated Hydric Flatwoods	PFO3/4	Melaleuca, Australian pine, Brazilian pepper	Thick coverage by brazilian pepper limits foraging potential, exotic species do not provide optimal nesting or roosting sites.	LOW	MEDIUM	MEDIUM	13.20				
	6250A	Hydric Pine Flatwood	PFO4	Hydric pine, cocoplum, saw palmetto	Typically located adjacent to large, open marshes. Thick shrub layer and relatively low water levels (compared to marsh) limit apple snail availability.	LOW	MEDIUM	HIGH	0.00			47.60	
	6410A	Freshwater Marsh	PEM1	spikerush, pickernel weed	Complex of vegetated and open water habitats ideal for snail kite foraging. No tree or shrub stands within these marshes for nesting or roosting.	HIGH	NONE	NONE	10.23	40.18	14.28	28.80	83.26
	6410B	Exotic-Dominated Freshwater Marsh	PEM1	torpedo grass, cattail	Thick coverage by exotic species results in limited open water habitat and severely limits snail kite's ability to see food source, if present. No tree or shrub stands within these marshes for nesting or roosting. Habitat occurs in one location near Ibis outfall.	LOW	NONE	NONE	1.08				
	6210	Cypress	PFO4	Cypress	Typically located adjacent to large, open marshes. Relatively low water levels (compared to marsh) limit apple snail availability.	LOW	MEDIUM	HIGH		23.01	2.17		25.18
	Total								48.14	84.45	29.79	76.40	190.64
7000: Barren Land	7430	Spoil Mound (Berms)	n/a	Brazilian pepper	Thick coverage by exotic species do not provide optimal nesting or roosting sites, not directly adjacent to large, open water marsh areas.	NONE	LOW	LOW	13.56				
	Total								13.56	0.00	0.00	0.00	0.00
8000: Transportation, Communication, Utilities	8100	Existing portion of SR-7 (Northlake to Ibis Entrance) and Upland Utility Easements	n/a	maintained upland grasses	Existing roads and maintained access paths do not provide foraging or nesting habitat.	NONE	NONE	NONE	7.84				
	Total								7.84	0.00	0.00	0.00	0.00
Totals									75.27	84.45	44.75	89.90	219.10
Wildlife Habitat (4000, 5000, and 6000) Totals									53.87	84.45	44.75	89.90	219.10
Wetland Habitat (5000, and 6000) Totals									53.16	84.45	29.79	76.85	191.09

- Habitat determinations and quality descriptions are based upon previous mapping and field verification.
- Determinations of suitability of habitat for snail kite foraging and nesting are based upon 500 hours of field reconnaissance and related observations made by ecologists, combined with habitat quality considerations.
- During the 500 field hours over the past 7 years, snail kites have never been observed to nest, perch, roost, or forage within the proposed direct impact area. They have been observed foraging within 300 ft of the direct impact limit.
- Habitats (4000, 5000 or 6000) labeled Medium or High for foraging suitability total 10.23 acres.
- Habitats labeled Medium or High for nesting and roosting/perching suitability total 23.23 acres; the suitability of these areas is supported by the presence of adjacent foraging habitat to the east of the project.
- Habitat labeled Low or None for both foraging and nesting suitability total 20.41 acres.

Table 2. Comparison of Potential Indirect Habitat Impacts for Project and Possible Future Rangeline Conservation Areas (800-foot)

FLUCFCS CODE	DESCRIPTION	NATIONAL WETLAND INVENTORY CODE	DOMINANT VEGETATION	COMMENTS	SUITABILITY FOR SNAIL KITE FORAGING HABITAT	SUITABILITY FOR SNAIL KITE NESTING HABITAT	SUITABILITY FOR SNAIL KITE PERCHING/ROOSTING HABITAT	0-300 FT	300-800 FT	TOTAL FOR PROJECT	RANGELINE: OKEECHOBEE TO M-CANAL	RANGELINE: NORTHLAKE TO SR 710	RANGELINE: SR 710 TO JUPITER FARMS	TOTAL FOR ALL RANGELINE SECTIONS
3000: Upland Non-Forested	3200	Shrub and Brushland	n/a	Unknown	Reduced canopy layer results in less desirable nesting sites, proximity to large open water marshes varies.	NONE	MEDIUM	MEDIUM		4.27		7.72	7.37	
	Total								0.00	4.27	4.27	0.00	7.72	7.37
4000: Upland Forests	4110	Pine Flatwoods	n/a	Scrub Pine	Uplands located adjacent to large marsh areas that are ideal for foraging.	NONE	MEDIUM	HIGH		97.97	11.39	99.81	241.01	
	4340	Upland Mixed Coniferous/Hardwood Forest		Unknown Hardwoods / Slash Pine	Uplands located adjacent to large marsh areas that are ideal for foraging.	NONE	MEDIUM	HIGH		9.19				
	Total								0.00	107.16	107.16	11.39	99.81	241.01
5000: Water	5100	Streams and Waterways (M Canal)	PUBHx	Non-vegetated (open water)	No vegetation for snail food source or for snails to lay eggs	LOW	NONE	NONE	15.22	1.29		20.70	3.51	
	5100	Streams and Waterways (Vegetated Ditches)	PABHx	Cattail, spadderdock, water lily	Ditches are narrow with relatively thick canopy coverage from surrounding vegetation, limiting snail kite access.	LOW	NONE	NONE	8.58					
	5300	Reservoir	PUBHx	Non-vegetated (open water)	No vegetation for snail food source or for snails to lay eggs	LOW	NONE	NONE				18.10		
	Total								23.80	1.29	25.09	38.80	0.00	3.51
6000: Wetlands	6172	Exotic-Dominated Wetland Shrub	PSS1	Brazilian pepper, Carolina willow	Thick coverage by brazilian pepper severely limits foraging, nesting, and roosting potential.	LOW	LOW	LOW	9.65					
	6172	Mixed Wetland Shrub	PSS1	Cocoplum, Wax myrtle, willow	Relatively low water levels (compared to marsh) limit apple snail availability; reduced canopy layer results in less desirable nesting sites, but optimal roosting sites.	LOW	MEDIUM	HIGH		0.20	51.37	24.52	55.28	
	6250A	Hydric Pine Flatwood	PFO3/4	slash pine, dahoon holly, saw palmetto	Typically located adjacent to large, open marshes. Thick shrub layer and relatively low water levels (compared to marsh) limit apple snail availability.	LOW	HIGH	HIGH	58.22		69.47	34.80	32.63	
	6250B	Exotic-Dominated Hydric Flatwoods	PFO3	Melaleuca, Australian pine, Brazilian pepper	Thick coverage by brazilian pepper limits foraging potential, exotic species do not provide optimal nesting or roosting sites.	LOW	MEDIUM	MEDIUM	15.06					
	6250A	Hydric Pine Flatwood	PFO4	Hydric pine, cocoplum, saw palmetto	Typically located adjacent to large, open marshes. Thick shrub layer and relatively low water levels (compared to marsh) limit apple snail availability.	LOW	HIGH	HIGH	0.00	14.36				
	6410A	Freshwater Marsh	PEM1	spikerush, pickerel weed	Complex of vegetated and open water habitats ideal for snail kite foraging. No tree or shrub stands within these marshes for nesting or roosting.	HIGH	NONE	NONE	58.91	123.86		229.92	163.78	191.61
	6410B	Exotic-Dominated Freshwater Marsh	PEM1	torpedo grass, cattail	Thick coverage by exotic species results in limited open water habitat, which is the preferred foraging habitat for snail kites. No tree or shrub stands within these marshes for nesting or roosting.	LOW	NONE	NONE	4.70					
	6210	Cypress	PFO4	Cypress	Typically located adjacent to large, open marshes. Relatively low water levels (compared to marsh) limit apple snail availability.	LOW	HIGH	HIGH		3.75		132.53	17.71	161.63
	6300	Wetland Forested Mixed	PFO3/4	Unknown	Typically located adjacent to large, open marshes. Thick shrub layer and relatively low water levels (compared to marsh) limit apple snail availability.	LOW	HIGH	HIGH		7.31	120.01		91.61	
	6440	Emergent Aquatic Vegetation	PEM1	Unknown	Limited open water habitat compared to other surrounding large marshes. No tree or shrub stands within these marshes for nesting or roosting.	MEDIUM	NONE	NONE					1.60	
Total								146.54	149.48	296.02	603.30	240.81	534.36	1378.47
7000: Barren Land	7430	Spoil Mound (Berms)	n/a	Unknown	Upland access roads provide no foraging, nesting, or roosting habitat	NONE	NONE	NONE			15.70		6.73	
	Total								0.00	0.00	0.00	15.70	0.00	6.73
8000: Transportation, Communication, Utilities	8100	Existing Roadways and Upland Utility Easements	n/a	maintained upland grasses	Existing roads and maintained access paths do not provide foraging, nesting, or roosting habitat.	NONE	NONE	NONE		2.83	12.01			
	8200	Existing Communications Easements	n/a	maintained upland grasses	Maintained easements do not provide foraging, nesting, or roosting habitat.	NONE	NONE	NONE		1.96				
	Total								0.00	4.79	4.79	12.01	0.00	0.00
Totals								170.34	262.72	433.06	681.20	340.62	785.61	1807.43
Wildlife Habitat (4000, 5000, and 6000) Totals								170.34	257.93	428.27	653.49	340.62	778.88	1772.99
Wetland Habitat (5000, and 6000) Totals								170.34	150.77	321.11	642.10	240.81	537.87	1420.78

1. Using an 800-foot buffer, up to 428 acres of potentially suitable habitat could be indirectly affected. 'Potentially suitable' is used because only the first 0-300 feet has been field reviewed.
 2. For the Rangeline sections, their future preservation would prevent up to 1,772 acres of potential additional indirect effects to habitat within their 800-foot buffer.
 3. Snail kites have been observed occasionally foraging, perching, and nesting (2010 and 2011) within the 800-foot buffer of the proposed direct impact area.

SR 7 EXTENSION PD&E STUDY
FPID No. 229664-2-22-01
MEETING MINUTES

SUBJECT: Coordination meeting with U.S. Army Corps of Engineers
DATE AND TIME: November 25, 2014 at 1:00 PM
LOCATION: Conference call
ORIGINATED BY: Ann Broadwell
RECORDED BY: Michael Garau, P.E.
PARTICIPANTS: Garrett Lips (USACE), Steve Braun (FDOT), Beatriz Caicedo-Maddison (FDOT), Richard Young (FDOT), Ann Broadwell (FDOT), Lynn Kelley (FDOT), Sandy Scheda (Scheda), Michael Garau (Jacobs)

A follow-up meeting was held with the U.S. Army Corps of Engineers (USACE) to discuss the conclusions and next steps for the SR 7 Extension project. Steve Braun began the meeting with a status update. Since the last meeting with the USACE on August 13, 2013, FDOT has been working with the US Fish and Wildlife Service on obtaining a Biological Opinion for the Everglade snail kite which included the preparation of a mitigation plan. The Biological Opinion was received on November 13, 2014. In addition, and at the request of the City of West Palm Beach and USACE, FDOT prepared a corridor addendum that looked at corridors to the west. The conclusion of that analysis was provided to the USACE.

Steve mentioned that, based on the findings and status of the above item, the Department is proceeding with the recommendation of a FONSI (Finding of No Significant Impact) to FHWA. Garrett Lips stated that FDOT has not submitted a permit application so there is nothing official that USACE can provide at this time. Steve explained that FDOT expects to submit the permit application within the next 6 months (subsequent to approval of the FONSI).

Garrett asked if the mitigation plan was prepared in the context of the Federal Highway Administration (FHWA) and NEPA. Ann responded that it was combined to address concerns related to wetlands, species, and impacts to Pond Cypress, and is appropriate for USACE mitigation. Garrett stated that FDOT should make sure to go through the hierarchy and evaluation for mitigation when preparing the permit application. USACE will need a final mitigation plan for review during permitting.

Garrett asked about the Pine Glades mitigation site and if Palm Beach County will be a co-applicant. Ann Broadwell responded that Palm Beach County will be a co-applicant.

The corridor addendum was discussed and Garrett asked if there is a table comparing all of the corridors, including the western alignments. Richard Young responded that he will provide this information. The corridors to the west would result in significant impacts to property and residential communities. The human impact was high compared to Corridor 3 that would use existing transportation right-of-way.

Garrett asked about the next steps. Beatriz Caicedo-Maddison responded that FDOT will be submitting the project documents, including a revised Environmental Assessment (EA), to FHWA within the next few weeks and plans to recommend a Finding of No Significant Impact (FONSI).

Everyone agreed to hold another coordination meeting between FDOT and USACE as the project moves closer to permitting.

Meeting adjourned.