



NEPA/PD&E Best Practices and Lessons Learned

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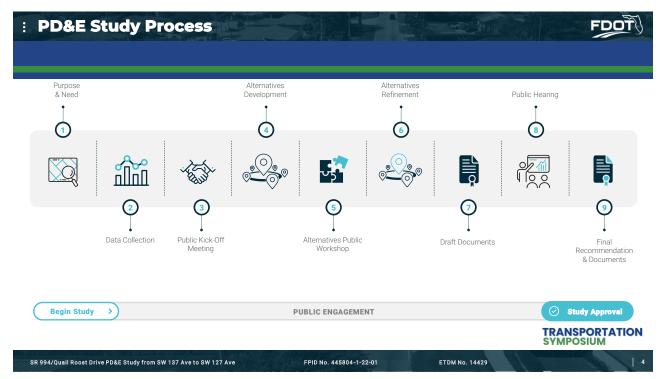
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Agenda

- Cultural Resources Quail Roost Drive
- Public Involvement
- Wetland Mitigation in an Urbanized Landscape

TRANSPORTATION SYMPOSIUM











SR 994/Quall Roost Drive PD&E Study from SW 137 Ave to SW 127 Ave FPID No. 445804-1-22-01 ETDM No. 14429 7

Existing Conditions - Safety

SW 200th Ter
SW 127th Ave
SW 127th Ave
SW 127th Ave
SW 127th Ave
SW 137d Ave

Corridor Wide Crash Summary (2014 – 2023)												
732 Crashes												
3 Fatal Crashes, 204 Injury Crashes, 3 Pedestrian/Bicyclist Crashes												
Leading Crash Types	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	10-Year Total	%
Rear End	20	31	40	40	39	40	22	20	31	32	315	43%
Left Turn	10	11	18	11	16	24	13	8	13	14	138	19%
Angle	3	3	8	9	8	7	5	2	8	14	67	9%
Sideswipe	4	4	4	5	9	10	5	4	10	7	63	9%

FPID No. 445804-1-22-01

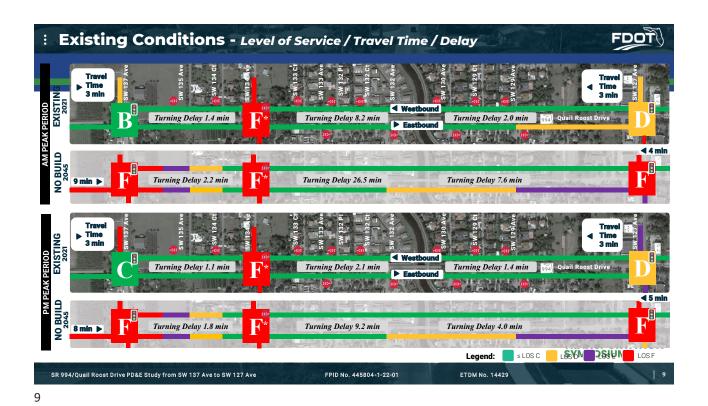
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FDOT High Crash List	Fatal Crashes
High Crash Segment	2016 – 1 Left Turn crash at SW 132 Ave
5111.1.0	2019 - 1 Angle crash at SW 134 Ave
5 High Crash Spots (SW 137 Ave, SW 134 Ave, SW 133 Ave, SW 132 Ave, SW 127 Ave)	

5 High Crash Spots (SW 137 Ave, SW 134 Ave, SW 133 Ave, SW 132 Ave, SW 127 Ave)
2021 - 1 Left Turn crash at SW 134 Ave

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SR 994/Quail Roost Drive PD&E Study from SW 137 Ave to SW 127 Ave



Existing Deficiencies

Discontinuous Belgingted Bicycle Felline

Discontinuous Bicycle Felline

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: Alternatives Analysis



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No-Action Alternative

2-Lane Undivided

Not viable - Does not meet Project Purpose and Need

Transportation Systems Management and Operations (TSM&O)
Alternative

Turn lanes at intersections, signal at SW 134th Ave, signal optimization.

Not viable – Does not meet Project Purpose and Need

Build Alternative 1

2-Lane with 16.5-ft raised

2-Lane with 16.5-ft raised median/turn lanes
Not viable – Does not meet Project Purpose and Need

Build Alternative 2 (Preferred Alternative)
4-Lane with 16.5-ft raised median/turn lanes

Build Alternative 3

4-Lane with 22-ft raised median/turn lanes and increased access management restrictions

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Public Involvement Public Meetings Elected Official/Agency and Public Kick-Off Meetings – January 27, 2022 Alternatives Public Workshop – October 18, 2022 Public Hearing – July 15, 2024 Affected Parties Consultation (APC) Meetings APC Meeting # 1 – October 12, 2022 APC Meeting # 2 – May 15, 2023 APC Meeting # 3 – September 11, 2023 APC Meeting # 4 – September 12, 2023 APC Meeting # 4 – September 12, 2023 Agency Coordination Meetings FDOT/SFWMD/USACE Monthly Interagency Meeting – June 16, 2022 Citizens Transportation Advisory Committee (CTAC) Meeting – May 1, 2024 Bicycle Pedestrian Advisory Committee (BPAC) Meeting – May 14, 2024

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: Cultural Compliance Documents Overview



P Cultural Resources Assessment Survey (CRAS)

- · Initial field and archival investigation
- Identified 3 eligible historic properties
- Informed Section 106 and 4(f) processes

Section 106 Case Study Report

- · Identifies historic properties and assesses project effects
- · Explored avoidance and minimization
- Concluded "Adverse Effect" recommended mitigation

Individual Section 4(f) Evaluation

- Required due to potential use of protected historic resources
- · Evaluated and rejected avoidance alternatives
- · Minimization and mitigation strategies documented

Memorandum of Agreement (MOA)

- · Formal agreement with SHPO and FHWA under Section 106
- Documents legally binding mitigation commitments
- Based on findings from Section 106 and 4(f) reviews

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: Cultural Resource Assessment Survey (CRAS)

 Purpose: To identify and evaluate cultural resources that might be affected by the proposed project

• III Findings:

- Identified three historic architectural resources eligible for the National Register of Historic Places:
 - Talbott Estate
 - · MacDonell Residence
 - 20000 SW 137th Avenue
- No significant archaeological resources were found
- ima Included photographic documentation and contextual historical background
- Provided the basis for the Section 106 Case Study Report and Section 4(f) Evaluation
- Supported early design decisions and coordination with SHPO

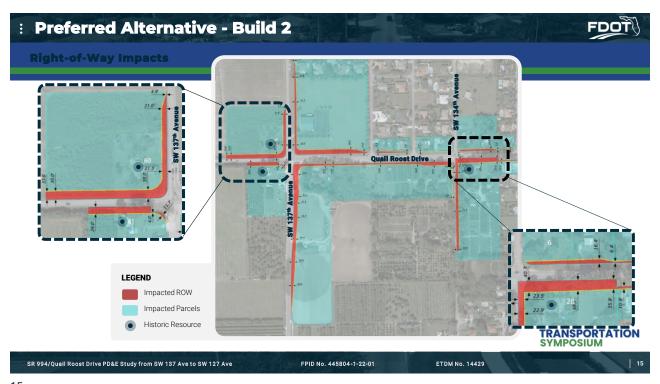
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: Section 4(f) Resources



Section 4(f) refers to the original section within the U.S. Department of Transportation Act of 1966 which established the requirement for consideration of public park and recreational lands, wildlife and waterfowl refuges, and historic sites in transportation project development.

- m Historic Sites (Eligible for NRHP)
 - Talbott Estate 13390 SW 200th Street
 - MacDonell Residence 13701 SW 200th Street
 - 20000 SW 137th Avenue
- Necreational Resource
 - · Black Creek Trail (no use)
- Under the U.S. Department of Transportation Act of 1966, a project that "uses" a protected resource (like a historic site or park) must prove:
 - · No Feasible and Prudent Avoidance Alternative Exists
 - All Possible Planning to Minimize Harm Has Been Included
- Section 4(f) justified the selection of Build Alternative 2 as the Least Overall Harm option after applying all feasible minimization strategies.

Data Bolished Section 4(f) Evaluation
From Configuration of Comparation
Section 2015 ALE CONTINUES AND TO EAST AND THE CONTINUES AND THE C

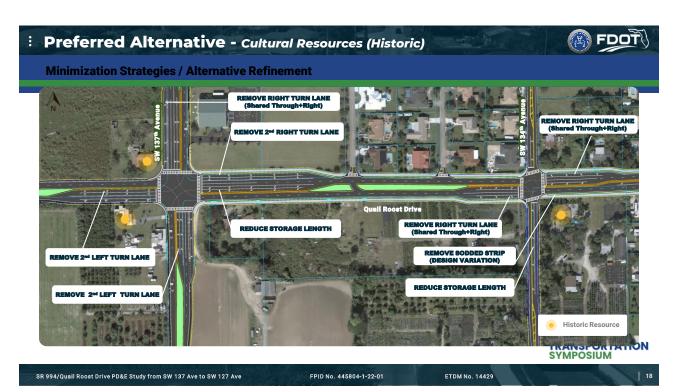
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: Lessons Learned from Quail Roost Cultural Coordination

• Searly Coordination Matters

Timely SHPO + agency input shaped feasible design refinements.

• Keep Property Owners in the Loop

Maintaining open communication expedites the cultural coordination process by reducing the need for repeated meetings, building trust, and preserving local buy-in.

• Section 106 + 4(f) Are Interconnected

Cultural resource findings directly influenced project design, alternatives analysis, and the selection of the preferred alternative.

• Historic Features Deserve Creative Solutions

Design refinements minimized ROW impacts, helping preserve oolitic limestone walls and maintain the character of the surrounding community.

• Mitigation Must Be Meaningful

HABS docs, historic markers, and public recognition add long-term value.

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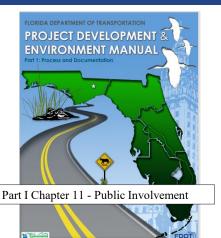
Public Involvement How to prepare for public meetings during PD&E

Annemarie Hammond Florida's Turnpike Enterprise Transportation Symposium Website



Public Meeting Success Strategies





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Planning and Coordination



- Turnpike PD&E Team
- Early Coordination
- Develop Public Involvement Plan (Part I Chap 11.2)

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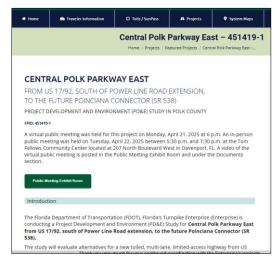
Planning and Coordination

- · Kickoff strategy meeting
- Meeting location and early reservations
- · Interdepartmental coordination
- Materials preparation and approvals

Pro	ject Name: CPP East from US 17/92 to SR 60			
Financial Project Identification Number: 451419-1				Meeting Date:
Public Meeting/Hearing Planning Checklist				Tuesday, December 10, 2024
				In-Person (12/11/2024)
	ation: Virtual and In-Person			
	ual Time: 6:00 p.m.			
n-P	erson Time: 5:30 pm to 7:30 pm	Barre in		Corrected Date
	Task	Days in Advance	Scheduled Date	(Adjusted for weekends)
	Confirm DATE & ALTERNATE DATE and reserve LOCATION	90	Wednesday, September 11, 2024	Wednesday, September 11, 202
	MEETING EVALUATION CHECKLIST	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	RESERVE SMARTSCREENS (If needed)	70	Tuesday, October 1, 2024	Tuesday, October 1, 2024
Gol	OWebinar			
	FTE schedules webinar and dress rehearsal	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	FTE provides participant access information to Consultant	89	Thursday, September 12, 2024	Thursday, September 12, 2024
PIO	Tasks (coordinate with Jaycee/Simon)			
	RULES OF ENGAGEMENT and FDOT COMPASS BOARDS	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	Request current SERVICE PLAZA BOARD Template	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	SOCIAL MEDIA POST coordination (currently Evolve)	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	FHP Security Reservation	89	Thursday, September 12, 2024	Thursday, September 12, 2024
Pre	pare Notifications			
	EMAIL/MAILING LISTS (E&A, ETAT, Tribes & Property Owners)	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	LETTERS (E&A, ETAT, Tribes & Property Owners)	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	NEWSLETTER or FACT SHEET (English)	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	NEWSPAPER AD (English)	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	FLORIDA ADMINISTRATIVE AD	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	FDOT PUBLIC NOTICE	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	PRESS RELEASE	89	Thursday, September 12, 2024	Thursday, September 12, 2024
	SERVICE PLAZA BOARD	89	Thursday, September 12, 2024	Thursday, September 12, 2024
_	DDODEDTY OWNED & WITEDSCHED DARTY LETTED (Connich)	90	Thursday Contembor 12, 2024	Thursday Contember 52, 2024

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Project Websites



- · Virtual Exhibit Room
- · Materials added through process





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Notifications



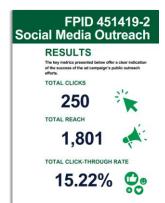
Notification Requirements							
Public Officials and Agencies	25-30 days						
Property owners and tenants within 300 feet	20 days						
Florida Administrative Register	7 days						
FDOT Public Notice Website	7 days						

Part I Chapter 11.2.4.5 - PD&E Manual

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Notifications



- Newspaper Ads –15-30 days and 7-12 days
- Social Media post 1 week prior
 - o Dedicated staff
 - o Media Analytics
- Press releases
- Service Plaza Notification Board 1-2 weeks



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Reviews and Rehearsal

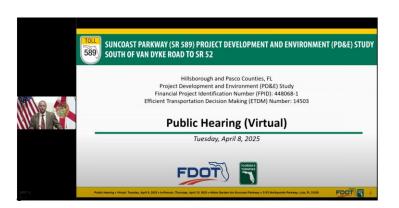


- Draft and Final Sufficiency Reviews
 - Fine-tune display boards and Presentation
 - Transportation Director sees final product
- Dress Rehearsal Virtual Meeting
 - Turnpike Production Crew
 - Conducted on GoToWebinar platform
 - o Iron out technical issues

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Virtual Meeting

- · Usually one-two days prior
- · Separate from In-Person
 - Reduces background noise and tech issues
 - o Two attendance opportunities
 - o More informed public
- · Project presentation recorded video
- · Recording available within 2-4 days



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Virtual Meeting

- Multiple opportunities to scan project Website QR Code
- · Tutorial on viewing meeting materials
- · Address Locator Tool!





In-Person Meetings

- Venue and Room Set up
- Team Huddle Multi Disciplines
- Duplicate Display Boards
- Smart Screens



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In-Person Meetings





- Recorded Presentation
- Other Resource References
- Security/Rules for Participation

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Summary

- Develop Public Involvement Plan
- Key milestone updates
- QC and rehearsals
- Virtual and In-Person public meetings



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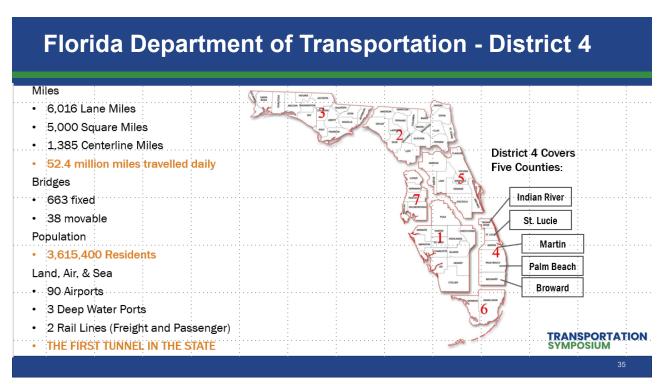




Wetland Mitigation in an Urbanized Landscape

Ann Broadwell. District 4 Environmental Manager





State Regulations

- FLORIDA WATER RESOURCES ACT of 1972
- No property interest in water
- Held in the public trust
- Environmental Resource Permit (ERP)
 - Engineering (stormwater)
 - Natural Resource (wetlands)
 - Real Estate (use of submerged sovereign lands)

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State Regulations

- Wetland Mitigation Bank Rule, F.A.C. 62-342
-be used to minimize mitigation uncertainty associated with traditional mitigation practices and provide greater assurance of mitigation success. Linear projects, such as roadways, shall be eligible to use a Mitigation Bank, even if the project is outside of the Mitigation Bank Service Area

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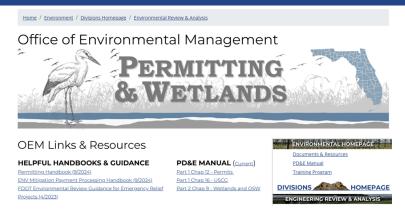
District 4 Showcase - Mitigation Bank Ledger

	Dist	rict 4 PLEMO - 20	25 Wetland N	Aitigation Cost Compar	ison			
	Cost per Credit							
Bank	Туре	# of Credits Purchased	Year Purchased	Value at time of Purchase	2025	Savings per Credit	Total Savings	What is Left?
		20	2005	\$87,600	\$360,000	\$272,400	\$5,448.00	20.9
Bear Point*	Mangrove	5	2012	\$130,000		\$230,000	\$1,150,000	
	Sandan Sanda	36	2004	\$40,000	\$300,000	\$260,000	\$9,360,000	11.17
Bluefield Ranch*	Freshwater Forested	20	2012	\$9,999	\$300,000	\$290,001	\$5,800,020	
nacricia Karieri		84	2004	\$40,000	\$300,000	\$260,000	\$21,840,000	41.71
	Freshwater Herbaceous	25	2012	\$9,999	\$300,000	\$290,001	\$7,250,025	
GW*	Mangrove	4	2012	\$119,999	\$360,000	\$240,001	\$960,004	11.25
LGW.	Saltmarsh	10	2012	\$119,999	\$360,000	\$240,001	\$2,400,010	
	Freshwater Forested	3		\$85,000	\$325,000	\$240,000	\$720,000	1.27
Loxahatchee**	Freshwater Herbaceous	6	2012	\$85,000	per 3/10/25 phone call "No herbaceous credits are available"	N/A	N/A	0
verglades*	Mangrove	1	2012	\$85,850	\$150,000	\$64,150	\$64,150	1
							\$54,992,179	
* = still have active o	redits							

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Tools of the Trade



https://www.fdot.gov/environment/oem-divisions/env/permitting-wetlands

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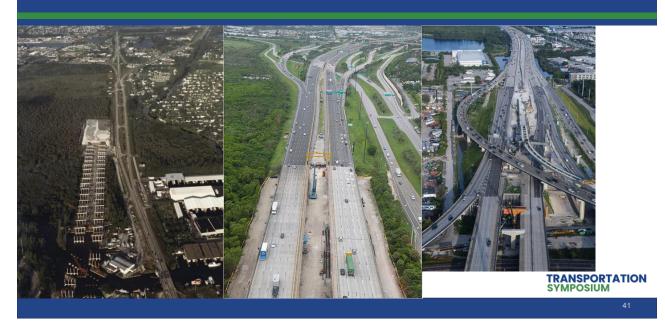
District 4 Showcase - Palm Beach County



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District 4 Showcase - Broward County



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District 4 Showcase - Broward County

Broward County Parks - Tree Tops Park



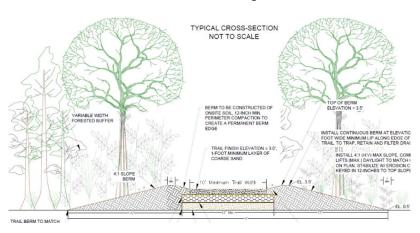


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District 4 Showcase - Broward County

Broward County Parks - Tree Tops Park





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District 4 Showcase - Indian River County

Indian River Lagoon Land Trust a 501(c)3 non-profit organization





WATERSS

Process Guidebook

Prepared for the
Office of Environmental Management
September 16, 2021



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Safety Message



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 - 850-414-5327

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