

NEPA/PD&E and Scoping

Presented by:

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What is PD&E

- ◆ What is NEPA
- ◆ NEPA vs. PD&E
- ◆ Scope of Service

Introduction

What is NEPA?

- ◆ National Environmental Policy Act -1969
 - Requires consideration of environmental effects and reasonable alternatives
 - Environmental - natural, human, physical
 - 42 USC, Title 42, Chapter 55, Section 4321

Introduction

- ◆ NEPA applies to improvement projects when:
 - Federal funds will be used
 - It is (or will be) a State or Federal transportation facility
 - Federal approval of an action is required
 - Permits are required from Federal Agencies (Army Corp, EPA, etc)
 - Project requires review or approval by a Federal Agency

Introduction

NEPA vs. PD&E

- ◆ FDOT's PD&E Process is state procedure for complying with NEPA regulations
- ◆ In Florida, NEPA = PD&E
- ◆ PD&E Manual
 - Defines the process for Federal and State projects to ensure compliance with NEPA

Project Development

The purpose of Project Development is to ...

- ◇ Determine if an Engineering solution, which is environmentally feasible, can be provided for a transportation need
- ◇ Coordinate and Document the PD&E Studies and Reports

Introduction

What leads up to PD&E??

- ◆ Planning
- ◆ The ETDM Process
 - Planning Screen
 - Programming Screen
- ◆ PD&E Process
 - Data Collection
 - Engineering Analysis
 - Environmental Analysis
 - Public and Community Involvement

PD&E Scope

Before your PD&E Study begins ...

- ◆ Review Programming Screen Summary Report to Identify:
 - Project Need
 - Engineering Required
 - Environmental Studies Required
 - Permit issues/Types
 - Dispute resolution issues

PREPARE FOR AN “FDOT KICK-OFF”

- ◆ Review procurement schedule
 - Set date for Kick-off Meeting
 - Set date for Field Review
 - Set date for Scope Review
- ◆ Establish functional area Liaisons
- ◆ Gather Data
- ◆ Coordinate with Locals (how will City/County be involved)

PREPARE SCOPE OF SERVICES

Multi-Disciplined Field Review

- ◆ Look at existing conditions – Environment
 - Social Environment - Land Use, Community
 - Cultural Environment – Native American site, historic properties
 - Natural Environment - Wetlands, Species, Conservation, Farmlands
 - Bridges – Navigation
 - Physical Environment - Noise Sensitive Sites, Contamination

PREPARE SCOPE OF SERVICES

Multi-Disciplined Field Review - Engineering

- ◆ Roadway – pavement condition
- ◆ Typical section features – lane/shoulder widths, grades, cross slopes, sidewalk/bicycle facilities, intersection geometry and operation (watch what happens through cycles), ADA
- ◆ Right of way constraints
- ◆ Access – driveways, median openings
- ◆ Drainage – type open/closed, existing facilities
- ◆ Structures – clearances, pier protection, damage to beams
- ◆ Utilities – major facilities?, Florida Gas
- ◆ Railroad – crossing
- ◆ Transit Facilities – condition of stops, ADA, access

Prepare Scope of Services and Estimate Staffhours

- ◆ Standard Scope of Work
 - Public Involvement
 - Engineering
 - Environmental
 - Miscellaneous
- ◆ <http://www.dot.state.fl.us/projectmanagementoffice/Scope/default.shtm>

Prepare Scope of Services and Estimate Staffhours

◆ Public Involvement

1.0 PUBLIC INVOLVEMENT

Public involvement includes communicating to and receiving input from all interested persons, groups, business owners, and government organizations regarding the development of the project. The CONSULTANT shall coordinate and perform the appropriate level of public involvement for this project as outlined in *Part 1, Chapter 11, and Part 2, Chapter 9 of the PD&E Manual, the FDOT Public Involvement Handbook* and the following sections.

The CONSULTANT shall provide to the DEPARTMENT drafts of all Public Involvement collateral (i.e., newsletters, property owner letters, advertisements, handouts, exhibits, etc.) associated with the following tasks for review and approval at least five (5) business days prior to printing and / or distribution.

1.1 Public Involvement Program

The CONSULTANT will assist the DEPARTMENT. The Public Involvement Program is developed consistent with Part 1 Chapter 11 of the PD&E Manual. The program must be in written form and incorporated into the project file.

1.2 Public Involvement Data Collection

The CONSULTANT shall assist the DEPARTMENT with data collection and in preparing responses to any public inquiries from the public involvement process.

1.3 Notice Of Intent

The CONSULTANT shall assist the DEPARTMENT in preparing the Notice of Intent, required for all EIS projects. (Only applicable for Projects requiring an EIS.)

Prepare Scope of Services and Estimate Staffhours

◆ Public Involvement

Task No.	Task	Units	Staff Hour Range	Basis for Staff Hour Range	Basis for Staff Hour Range		
					All Field Time and Meeting time is included in the tasks		
					Low-Range	Mid-Range	High-Range
NOTE: * subject to QC							
1.1	Public Involvement Program *	LS	24 to 80	This task involves the research and coordination necessary in order to complete the public involvement plan as per Part 1, Chapter 11 of the PD&E Manual, and Public Involvement Handbook. Criteria affecting the hours are directly associated with the anticipated complexity of the public involvement. Issues such as how information will be disseminated and gathered from the public are to be considered.	The project is in rural or urban area, in one municipality, includes few adjacent properties, has low potential for controversy and few known stakeholders	The project may cross municipal boundaries, have some known groups of interested citizens and project stakeholders and has an expected mid level controversy	The project may be long and cross many municipal lines or involve multiple counties, it may be in an urban setting involving multiple adjacent properties as well as neighborhoods, includes numerous stakeholders and interest groups and has an expected high level controversy
1.2	Public Involvement Data Collection	LS	See Basis for Staff Hour Range	This task includes the development and maintenance of mailing lists, correspondence, collecting and maintaining news articles and stories, public circulars, and transcripts from radio and TV news clips through the duration of the study. The estimate of hours for this task is based on the number of municipalities, local groups, number of property owners, and availability of data. The hours are determined by the following equation: $L \times (1 + \text{number of updates}) + (M \times \text{number of updates})$ L (Lists)= 8 to 16 hours for counties with computerized databases, or 8 hours per 100 parcels in counties where data has to be manually obtained. M (Maintain)= 4 to 8 hours depending on the criteria stated above.	The project is in a rural area, includes only one municipality and has few adjacent properties	The project may cross municipal boundaries, and have known groups of interested citizens and project stakeholders.	The project may be long and cross many municipal lines or involve multiple counties, it may be in an urban setting involving multiple adjacent properties as well as neighborhoods, numerous stakeholders and interest groups
1.3	Notice of Intent (EIS only) *	LS	4 to 8	This task involves the completion of the Notice of Intent as per Part 1, Chapter 11 of the PD&E Manual. This task is only applicable to projects requiring an EIS. A criterion for the hour range is the applicability of the "generic" notice.	N/A	N/A	N/A

Prepare Scope of Services and Estimate Staffhours

◆ Public Involvement

- From ETDM and Field Review determine who is out there and special considerations:
 - Potential for Controversy
 - Need for Context Sensitive Solutions
 - Demographics
 - ★ Environment Justice - Low income and/or minority populations
 - ★ Limited English Proficiency
 - ★ Age/mobility issues

Sociocultural Data Report

Sociocultural Data Report: Rusty's PI

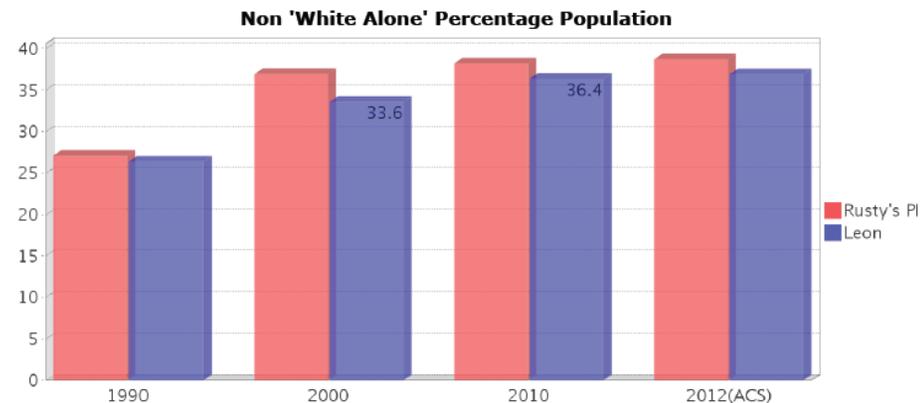
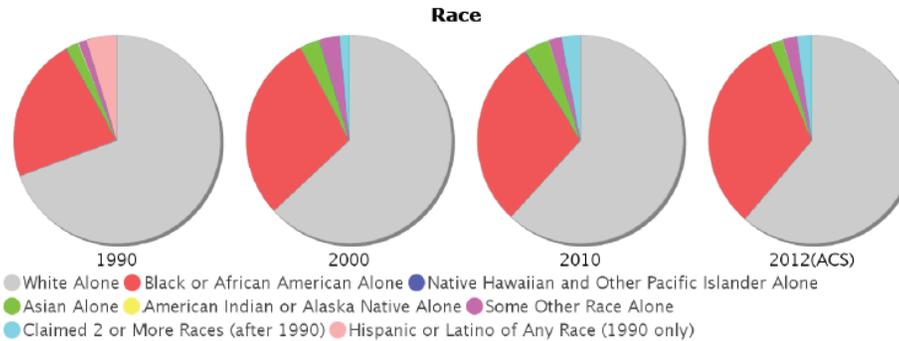
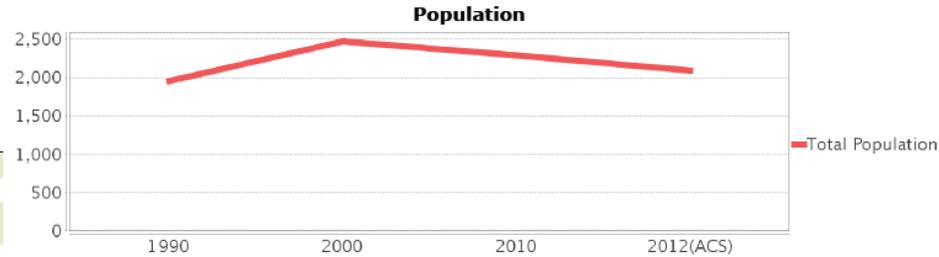
Area: 0.265 square miles
Jurisdiction(s): Cities: Tallahassee
 Counties: Leon

General Population Trends

Description	1990	2000	2010	2012(ACS)
Total Population	1,951	2,468	2,286	2,089
Total Households	715	1,112	881	857
Average Persons per Acre	14.06	16.14	18.61	18.34
Average Persons per Household	40.76	1.74	2.00	1.73
Average Persons per Family	3.16	2.32	2.00	2.36
Males	967	1,188	1,119	973
Females	984	1,280	1,167	1,117

Race and Ethnicity Trends

Description	1990	2000	2010	2012(ACS)
White Alone	1,422 (72.89%)	1,556 (63.05%)	1,412 (61.77%)	1,280 (61.27%)
Black or African American Alone	459 (23.53%)	719 (29.13%)	665 (29.09%)	671 (32.12%)
Native Hawaiian and Other Pacific Islander Alone	1 (0.05%)	0 (0.00%)	3 (0.13%)	0 (0.00%)
Asian Alone	39 (2.00%)	77 (3.12%)	88 (3.85%)	40 (1.91%)
American Indian or Alaska Native Alone	5 (0.26%)	2 (0.08%)	4 (0.17%)	3 (0.14%)
Some Other Race Alone	25 (1.28%)	78 (3.16%)	45 (1.97%)	46 (2.20%)
Claimed 2 or More Races	NA (NA)	36 (1.46%)	68 (2.97%)	49 (2.35%)
Hispanic or Latino of Any Race	97 (4.97%)	240 (9.72%)	241 (10.54%)	199 (9.53%)
Not Hispanic or Latino	1,854 (95.03%)	2,228 (90.28%)	2,045 (89.46%)	1,890 (90.47%)
Non White Alone	529 (27.11%)	912 (36.95%)	874 (38.23%)	809 (38.73%)



Field Reviews



Prepare Scope of Services and Estimate Staffhours

◆ Public Involvement

- Determine number and frequency of meetings:
 - Kick-off meeting(s)
 - Local government and/or MPO presentations
 - Corridor public meeting(s)
 - Alternative public meeting(s)
 - Unscheduled meetings
 - Public hearing

Prepare Scope of Services and Estimate Staffhours

- ◆ Public Involvement
 - Determine need for other outreach methods and/or techniques:
 - Newsletters
 - Fact sheets
 - Website
 - Special graphics
 - Translation services

Project Area

Active project: #8550 SR 951 Widen 4-6 Lanes Map it

8550 Search

Saved Searches: Project History:

13 Alert Advanced Search My ETDM Bookmarks Logout

Contents Tools Search Help Pan Zoom In Zoom Out Identify Clear Scale 1:4988 Print Feedback

Google Maps Street View

State Hwy 951, Naples, Florida
Address is approximate

State Hwy 951

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ETDM Results

Social and Economic

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Alternative #1

Project Effects Overview for Alternative #1

Issue	Degree of Effect	Organization	Date Reviewed
Social and Economic			
Land Use Changes	0 None	FL Department of Economic Opportunity	09/11/2014
Land Use Changes	1 Enhanced	FDOT District 1	09/09/2014
Social	0 None	US Environmental Protection Agency	09/12/2014
Social	2 Minimal	FDOT District 1	09/09/2014
Relocation Potential	2 Minimal	FDOT District 1	09/09/2014
Farmlands	2 Minimal	Natural Resources Conservation Service	07/31/2014
Aesthetic Effects	2 Minimal	FDOT District 1	09/09/2014
Economic	0 None	FL Department of Economic Opportunity	09/11/2014
Economic	2 Minimal	FDOT District 1	09/09/2014
Mobility	1 Enhanced	FDOT District 1	09/09/2014

ETDM Results Social and Economic

Aesthetic Effects

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Page 9 of 42

Agency Comments - Project Effects

Printed on: 12/08/2014

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Project Effects

Coordinator Summary Degree of Effect: 2 *Minimal* assigned 11/12/2014 by FDOT District 1

Comments:

The FDOT District One indicated that residential uses tend to be limited to the east side of SR 951 as the Rookery Bay National Estuarine Research Reserve is located on the west side of the roadway. The FDOT District One stated that the widening is not likely to affect the visual character of the corridor. **Coordination Document:** PD&E Support Document as per PD&E Manual.

Due to the fact that access to proximate businesses, residences, and recreational features (i.e., the Rookery Bay National Estuarine Research Reserve and nearby multi-use pathway) and enjoyment of the area recreational amenities may be temporarily affected during project construction (and as a result of increased traffic noise from the widening), a Summary DOE of Minimal has been assigned to the Aesthetic Effects issue.

Commitments and Responses: During the Project Development phase, the FDOT District One will conduct public outreach in coordination with the Collier Metropolitan Planning Organization to solicit opinions and preferences from residents and businesses on potential project effects and general design concepts related to aesthetics.

ETDM Results – Physical

Physical

Air Quality

0 None

US Environmental Protection Agency

Contamination

2 Minimal

US Environmental Protection Agency

Contamination

2 Minimal

FL Department of Environmental Protection

Contamination

2 Minimal

South Florida Water Management District

Navigation

3 Moderate

Federal Highway Administration

Navigation

3 Moderate

US Army Corps of Engineers

Navigation

3 Moderate

US Coast Guard

ETDM Results - Physical

Navigation

Project Effects

Coordinator Summary Degree of Effect: 3 Moderate assigned 11/12/2014 by FDOT District 1

Degree of Effect: 3 Moderate assigned 07/30/2014 by Randall D Overton, US Coast Guard

Coordination Document: Permit Required

Coordination Document Comments:

A navigational needs study will be required to ensure that the replacement/modified structure meets the needs of navigation on the waterway. I am available for questions at anytime (305)415-6736 or randall.d.overton@uscg.mil

Direct Effects

Identified Resources and Level of Importance:

Navigable Waters of the United States - Navigation

Comments on Effects to Resources:

Henderson Creek is a navigable water of the US with considerable recreational navigation. A Coast Guard bridge permit will be required for the replacement or modification of the bridge(s) which cross Henderson Creek. A navigational needs study will be required to ensure that the replacement/modified structure meets the needs of navigation on the waterway. I am available for questions at anytime (305)415-6736 or randall.d.overton@uscg.mil

Recommended Avoidance, Minimization, and Mitigation Opportunities:

A navigational needs study will be required to ensure that the replacement/modified structure meets the needs of navigation on the waterway. I am available for questions at anytime (305)415-6736 or randall.d.overton@uscg.mil

CLC Recommendations:

Indirect Effects

Identified Resources and Level of Importance:

Comments on Effects to Resources:

Recommended Avoidance, Minimization, and Mitigation Opportunities:

ETDM Results Special Designation

Special Designations

Special Designations	4	Substantial	US Environmental Protection Agency	09/12/2014
Special Designations	4	Substantial	FL Department of Environmental Protection	09/12/2014
Special Designations	3	Moderate	South Florida Water Management District	09/09/2014
Special Designations	4	Substantial	Federal Highway Administration	09/03/2014
Special Designations	4	Substantial	US Fish and Wildlife Service	07/30/2014

ETDM Results Special Designation

ETAT Reviews and Coordinator Summary: Special Designations

Special Designations

Project Effects

Coordinator Summary Degree of Effect: 4 Substantial assigned 11/12/2014 by FDOT District 1

Comments:

The FDEP, FWS, SFWMD, and USEPA commented that the project has the potential to impact Henderson Creek [an Outstanding Florida Water (OFW) within the Rookery Bay Aquatic Preserve]. The agencies noted that the west side of the existing roadway abuts the Rookery Bay National Estuarine Research Reserve (consisting of state-owned conservation lands); the FDOT must address state public interest criteria for any proposed impacts to these lands. **Coordination Document:** To Be Determined: Further Coordination Required (FDEP, FWS, and USEPA). / **Coordination Document:** Permit Required (SFWMD).

The project crosses Henderson Creek, an OFW which is part of the Rookery Bay Aquatic Preserve. The Rookery Bay National Estuarine Research Reserve (a state-owned public conservation land) is also located adjacent to the west side of the existing roadway. Due to the presence of these resources within the project vicinity and the potential need for additional agency coordination, a Summary DOE of Substantial has been assigned to the Special Designations issue.

Commitments and Responses: Further agency coordination will take place during the Project Development phase.

Technical Study: None.

Degree of Effect: 4 Substantial assigned 09/12/2014 by Maher Budeir, US Environmental Protection Agency

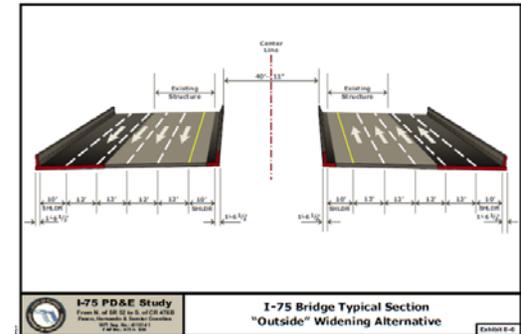
Coordination Document: To Be Determined: Further Coordination Required

Coordination Document Comments:

More discussion on need is required. Project purpose and scope needs more discussion.

Prepare Scope of Services

- ◆ Engineering Analysis and Report
 - From ETDM
 - Purpose and Need
 - ★ Type of project – widening, new alignment, interchange, etc.
 - Preliminary Alternatives/Alignments
 - Drainage/Floodplain
 - Navigation
 - Railroad



Prepare Scope of Services

- ◆ More things to consider....
 - Level of Engineering Detail
 - Number of Alternatives / Scale for public display
 - Project Schedule

Prepare Scope of Services and Estimate Staffhours

- ◆ Engineering Analysis and Report
 - Survey and Geotechnical Needs
 - ★ Coordinate with Survey Department and Geotechnical Engineer
 - ★ Hours in Basis of Estimate are for coordination
 - ★ Dependant on level of engineering
 - Traffic
 - ★ Coordinate with District Traffic Specialist
 - ★ Consultant
 - ★ Department
 - ★ Traffic Data for Noise Analysis

Prepare Scope of Services and Estimate Staffhours

- ◆ Engineering Analysis and Report
 - Safety
 - ★ Crash Data
 - ★ Safety Analysis
 - Railroads/Utilities
 - Needs/Transportation Plans
 - ★ Number of local agencies
 - ★ Consistency



Prepare Scope of Services and Estimate Staffhours

- ◆ Engineering Analysis and Report
 - Corridor Study needed
 - ★ Case by case basis
 - Existing Roadway Analysis
 - ★ Length of project
 - ★ Type of project
 - ★ Availability of data
 - Identify Construction Segments
 - Structures
 - ★ Bridges –
New/Widening/Replacement/Load Ratings
 - ★ Miscellaneous - Retaining Walls / Noise Walls /Box Culverts

Prepare Scope of Services and Estimate Staffhours

- ◆ Engineering Analysis and Report
 - Drainage
 - ★ Pond Siting
 - ★ Flood Plain
 - ★ Permitting
 - ★ Local concerns
 - ★ Environmental Look Around - ELA
 - Concept Plans
 - ★ Length of project
 - ★ Complexity of project
 - ★ Number of Alternatives
 - ★ Level of Detail (15% plans or 60% Design)

Prepare Scope of Services and Estimate Staffhours

- ◆ Engineering Analysis and Report
 - Typical Section Package
 - ★ Anticipated number of typical sections
 - ★ Pavement design?
 - Design Exceptions
 - ★ Identify
 - ★ Prepare Design Exception Package
 - Multimodal/Park and ride
 - Maintenance of Traffic

Prepare Scope of Services and Estimate Staffhours

- ◆ Engineering Analysis and Report
 - Maintenance of Traffic
 - ★ Land use
 - ★ Constrained Facility/Bridge
 - ★ Cost Estimate
 - Matrix
 - ★ Anticipated Number of Alternatives
 - ★ Anticipated Number of Issues
 - Value Engineering/Risk Management
 - Cost Estimates (construction and ROW)
 - Other

Prepare Scope of Services and Estimate Staffhours

- ◆ Environmental Analysis and Report
 - From ETDM
 - Anticipated Class of Action
 - Technical Reports Needed
 - Issues/Concerns

Project Area

Active project: #8550 SR 951 Widen 4-8 Lanes Map it

8550 Search

Saved Searches: Project History:

13 Alert Advanced Search My ETDM Bookmarks Logout

Contents Tools Search Help Pan Zoom In Zoom Out Identify Clear Scale 1:4988 Print Feedback

Google Maps Street View

State Hwy 951, Naples, Florida
Address is approximate

State Hwy 951

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ETDM Results Cultural

Cultural

Section 4(f) Potential	4 Substantial	Federal Highway Administration	09/03/2014
Historic and Archaeological Sites	3 Moderate	FL Department of State	09/12/2014
Recreation Areas	4 Substantial	US Environmental Protection Agency	09/12/2014
Recreation Areas	4 Substantial	FL Department of Environmental Protection	09/12/2014
Recreation Areas	3 Moderate	South Florida Water Management District	09/09/2014
Recreation Areas	0 None	National Park Service	08/20/2014

ETDM Results Cultural



Recreation Areas

Project Effects

Degree of Effect: 4. *Substantial* assigned 09/12/2014 by Lauren P. Milligan, FL Department of Environmental Protection

Coordination Document: To Be Determined: Further Coordination Required

Direct Effects

Identified Resources and Level of Importance:

The following public conservation lands are located within 500 ft. of the corridor study area: Rookery Bay Aquatic Preserve, Rookery

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Page 16 of 42

Agency Comments - Project Effects

Printed on: 12/08/2014

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Bay National Estuarine Research Reserve property and its Headquarters/Environmental Learning Center.

Comments on Effects to Resources:

These lands contain significant natural communities and numerous element occurrences of listed species, as indicated by the Florida Natural Areas Inventory. The Department is interested in preserving the area's natural communities, wildlife corridor functions, natural flood control, stormwater runoff filtering capabilities, aquifer recharge potential and recreational trail opportunities.

Therefore, future environmental documentation should include an evaluation of the primary, secondary and cumulative impacts of roadway/bridge construction on the above public lands and any acquisition sites.

Recommended Avoidance, Minimization, and Mitigation Opportunities:

Under Article X, Section 18 of the Florida Constitution (as amended in 1998), dispositions of state-owned conservation lands are restricted to those lands "no longer needed for conservation purposes." If the proposed roadway construction activities necessitate right-of-way expansion within these state lands, the FDOT may need to request that the Board of Trustees of the Internal Improvement Trust Fund determine whether the subject properties are no longer needed for conservation purposes. This requirement must be met before the conveyance of these lands can proceed. In addition, please be advised that proposals to utilize state conservation lands may be required to meet the guidelines of the state's linear facility policy, POLICY Use of Natural Resource Lands by Linear Facilities As Approved By Board of Trustees of the Internal Improvement Trust Fund on January 23, 1996.

CLC Recommendations:

Indirect Effects

Identified Resources and Level of Importance:

Comments on Effects to Resources:

Recommended Avoidance, Minimization, and Mitigation Opportunities:

ETDM Results Cultural

Degree of Effect: 3 Moderate assigned 09/12/2014 by Alyssa McManus, FL Department of State

Coordination Document: PD&E Support Document As Per PD&E Manual

Coordination Document Comments:

WE LOOK FORWARD TO REVIEWING THE CRAS REPORT FOR THIS PROJECT.

Direct Effects

Identified Resources and Level of Importance:

IDENTIFIED RESOURCES INCLUDE CR718, THE ONCEWASA SITE AND ONE STRUCTURE THAT IS UNRECORDED, BUT IS WITHIN THE PROJECT'S AREA OF POTENTIAL EFFECTS. NO OTHER SITES ARE CURRENTLY IDENTIFIED WITHIN THE AREA OF POTENTIAL EFFECTS.

A review of the Florida Master Site File indicates that the project area has not been surveyed for archaeological and historical properties. Since environmental conditions in the area are favorable for the presence of these kinds of resources, it is our request that the project area be subjected to a professional cultural resources assessment survey. The resultant survey report must conform to the provisions of Chapter 1A-46, *Florida Administrative Code*, and should be forwarded to the Division of Historical Resources to complete the review process. In addition, the report will assist this office in determining if further measures are necessary to avoid, minimize, or mitigate adverse effects to significant archaeological and historic properties.

Comments on Effects to Resources:

AT THIS TIME, IT IS UNKNOWN HOW THIS PROJECT WILL AFFECT CULTURAL AND HISTORICAL RESOURCES.

ETDM Results Natural

Natural			
Wetlands	4	Substantial	US Environmental Protection Agency
Wetlands	4	Substantial	FL Department of Environmental Protection
Wetlands	3	Moderate	South Florida Water Management District
Wetlands	4	Substantial	US Army Corps of Engineers
Wetlands	3	Moderate	National Marine Fisheries Service
Wetlands	4	Substantial	US Fish and Wildlife Service
Water Quality and Quantity	3	Moderate	US Environmental Protection Agency
Water Quality and Quantity	4	Substantial	FL Department of Environmental Protection
Water Quality and Quantity	3	Moderate	South Florida Water Management District
Floodplains	4	Substantial	US Environmental Protection Agency
Floodplains	3	Moderate	South Florida Water Management District

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Floodplains	3	Moderate	Federal Highway Administration
Wildlife and Habitat	3	Moderate	Federal Highway Administration
Wildlife and Habitat	3	Moderate	FL Fish and Wildlife Conservation Commission
Wildlife and Habitat	0	None	FL Department of Agriculture and Consumer Services
Wildlife and Habitat	3	Moderate	US Fish and Wildlife Service
Coastal and Marine	3	Moderate	South Florida Water Management District
Coastal and Marine	3	Moderate	National Marine Fisheries Service

ETDM Results Natural

ETAT Reviews and Coordinator Summary: Natural

Wetlands

Project Effects

Degree of Effect: 3 Moderate assigned 09/09/2014 by Mindy Parrott, South Florida Water Management District

Coordination Document: Permit Required

Coordination Document Comments:

A permit (ERP) is required, however, if additional wetland studies are conducted, the SFWMD would like the opportunity to review and comment.

Direct Effects

Identified Resources and Level of Importance:

Wetlands exist within the project area, including mixed wetland forests, hydric pine flatwoods and mangroves. The majority appear to be on the west side of the project. The mangroves may also serve as smalltooth sawfish habitat.

Comments on Effects to Resources:

Filling of wetlands. Reduction and elimination of wetland and surface water impacts must be demonstrated as part of the ERP application.

Recommended Avoidance, Minimization, and Mitigation Opportunities:

SFWMD staff in the Lower West Coast Service Center (Laura Layman- (239) 338-2929 ext. 7725) should be contacted to verify the wetland limits once they are delineated by the project team. Perhaps widening to the east side could reduce wetland impacts. Mitigation must be provided to offset any wetland impacts that remain after reduction and elimination has been satisfied.

CLC Recommendations:

Indirect Effects

Identified Resources and Level of Importance:

Comments on Effects to Resources:

Recommended Avoidance, Minimization, and Mitigation Opportunities:

ETDM Results Natural



Wildlife and Habitat Project Effects

Degree of Effect: 3 Moderate assigned 09/03/2014 by Cathy Kendall, Federal Highway Administration

Coordination Document: PD&E Support Document As Per PD&E Manual

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Page 27 of 42

Agency Comments - Project Effects

Printed on: 12/08/2014

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Direct Effects

Identified Resources and Level of Importance:

Wildlife and Habitat resources in the project area include -
Crocodile consultation area;
Rare and imperiled fish habitat at Henderson Creek;
Red cockaded woodpecker consultation area;
Scrub jay consultation area;
numerous listed species of mammals, birds, fish, reptiles, plants and invertebrates.

Comments on Effects to Resources:

Informal consultation with USFWS, NMFS, and the FFWC should begin as soon as possible. For those species where the project is likely to adversely affect the species, coordination with FHWA to begin Section 7 formal consultation should begin early in the project development phase so that a NEPA decision can be based on a coordinated assessment of impacts to the listed species, and the necessary commitments to avoid, minimize and mitigate impacts are included.

Recommended Avoidance, Minimization, and Mitigation Opportunities:

CLC Recommendations:

Indirect Effects

Identified Resources and Level of Importance:

Comments on Effects to Resources:

Recommended Avoidance, Minimization, and Mitigation Opportunities:

Prepare Scope of Services and Estimate Staffhours

- ◆ Environmental Analysis and Report
 - Sociocultural Effects
 - Relocation Potential
 - Cultural Resources
 - ★ Archeological/ Historic Resources
 - ★ Pond Site Tech Memo
 - ★ Section 106 Consultation Meetings/ public involvement/ Cultural Resource Committee
 - ★ Research Design Methodology/CRAS
 - ★ Native American Coordination
 - Section 4(f)

Prepare Scope of Services and Estimate Staffhours

- ◆ Environmental Analysis and Report

 - Natural Resources

 - ★ Species Surveys – time of year
 - ★ Wetlands
 - ★ Habitat
 - ★ Water Quality
 - ★ **Outstanding** Florida Waters

 - Physical Effects

 - ★ Noise
 - ★ Contamination
 - » Current Data
 - » Structures - Lead based paint/Asbestos

 - Special Agency Coordination Required
 - ★ Concurrence letter from FFWCC for ESBA
 - ★ FDEP - contamination

For More Information

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References :

- ◆ FDOT ETDM Manual
 - *Available at:*
<http://www.dot.state.fl.us/emo/pubs/etdm/etdmmannual.shtm>

- ◆ FDOT Standard Scope of Services and Basis of Estimates
 - *Available at:*
<http://www.dot.state.fl.us/projectmanagementoffice/Scope/default.shtm>

- ◆ FDOT PD&E Manual
 - *Available at:*
<http://www.dot.state.fl.us/emo/pubs/pdeman/pdeman1.shtm>

Questions

