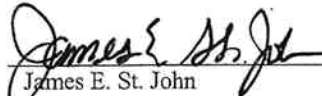
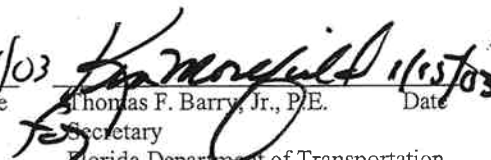
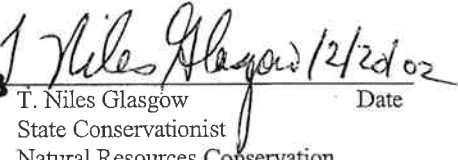


Appendix E

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| | | | | | |
|---|---------|--|---------|---|----------|
|  | 1/15/03 |  | 1/15/03 |  | 12/28/02 |
| James E. St. John | Date | Thomas F. Barry, Jr., P.E. | Date | T. Niles Glasgow | Date |
| Florida Division Administrator | | Secretary | | State Conservationist | |
| Federal Highway Administration | | Florida Department of Transportation | | Natural Resources Conservation Service | |

Introduction

The ETDM process is designed to accomplish the streamlining objectives identified in Section 1309 of the Transportation Efficiency Act for the 21st Century. The ETDM Process creates linkages between land use, transportation, and environmental resource planning initiatives, through early, interactive agency involvement. In implementing the ETDM process, all ETAT agencies are responsible for reviewing and commenting on transportation improvements consistent with their respective agencies statutory and regulatory authority. Process objectives include effective/timely decision making without comprising environmental quality, full and early public and agency participation, integrating NEPA reviews with issuance of project permitting and implementing meaningful dispute resolution mechanisms. The results of the ETDM process include concurrent actions and approvals, interactive planning, efficiency gained from technology, and ultimately better transportation decisions. The tables below identify the information available from the project's purpose and need, to technical reports and environmental documents. The tables also identify the agency's review responsibilities from project planning through compliance with NEPA and permit approvals, to construction and maintenance. The tables have been divided into three basic phases of a transportation project: planning, programming, and project development. Program and project efficiency is gained by two environmental screening events that occur at the transportation planning and programming phases. The Planning and Programming Screens apply only to major capacity improvement projects, including roadway widenings, new roadways, new rail systems and bridge projects.

Planning Screen

In Metropolitan Planning Organization (MPO) areas, the Planning Screen will occur on capacity improvements contained in the Long Range Transportation Needs Plan and prior to the development of the MPO Long Range Transportation Plan with the exception of the Florida Intrastate Highway System (FIHS) facilities. FIHS facilities will be screened during the development of the FIHS Cost Feasible Plan, by FDOT, for both the MPO and non-MPO areas. FDOT staff are responsible for uploading the FIHS project information into the ETDM Database.

The table below identifies the information available to the NRCS during the Planning Screen (via the ETDM database). The table also addresses FHWA/FDOT and the NRCS ETAT representative review and coordination responsibilities. The review will take place on the interactive ETDM Web site and all comments will be entered directly into the ETAT review database.

| ETDM Database (MPO, FDOT, FGDL) | FHWA/FDOT Responsibilities | NRCS Responsibilities |
|--|---|---|
| <input type="checkbox"/> Purpose and Need <input type="checkbox"/> Project limits and logical termini <input type="checkbox"/> Mobility Alternatives <input type="checkbox"/> NRCS plans and programs <input type="checkbox"/> Demographics (Community Impact Assessment) <input type="checkbox"/> GIS Data Sets: <ul style="list-style-type: none"> Agency specific GIS database FNAI element occurrence CARL Projects National Wetlands Inventory polygons 100 Year Flood Plains | <input type="checkbox"/> In MPO areas, assist in developing the Purpose and Need Statement and establishing logical termini <input type="checkbox"/> In non-MPO areas, FDOT in consultation with FHWA establishes Purpose and Need Statement and logical termini. <input type="checkbox"/> In MPO and non-MPO areas, establish Purpose and Need for FIHS projects <input type="checkbox"/> Ensure project information is available for ETAT review | <input type="checkbox"/> Review, comment and accept Purpose and Need for project <input type="checkbox"/> Review, comment and accept logical termini <input type="checkbox"/> Review, comment and accept mode choice and mobility alternatives (demand management, transit, highways) <input type="checkbox"/> Review and comment on order of magnitude of impact <input type="checkbox"/> Identify significant environmental resource issues <input type="checkbox"/> Identify affected Farmlands |

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| ETDM Database (MPO, FDOT, FGDL) | FHWA/FDOT Responsibilities | NRCS Responsibilities |
|--|---|---|
| <ul style="list-style-type: none"> - TNC Ecological Resource Conservation Areas - Potential habitat for species - Species locations (FNAI and WILDOBS) - Ecosystem Management Areas - Streams with 303(d) impaired waters - Wetlands - Areas targeted for habitat conservation - Historical/Archaeological Sites - Areas within coastal barrier resource area - FDEP Watershed Planning & Coordination Water Quality Data - US Census Bureau, Census Block Groups, 1990 - Coast Zone Construction Control Line (per FDEP) - Best available Aerial Photos or DOQQs <input type="checkbox"/> Secondary and Cumulative Impact GIS Data Sets: <ul style="list-style-type: none"> - Existing Land Use Map - Future Land Use Map - Maps of approved population and employment projections by TAZ or Census Tract data – Density and growth maps - Location and type of approved developments, including DRIs (Regional Planning Council or Local Governments) - Delineated urban service area boundaries (MPO or Local Planning Agency) - Existing and future roadway network, Needs Plan (MPO or FDOT) - Location of existing and proposed public lands and conservation easements (WMDs or RPC) - Existing and proposed Mitigation Areas (Resource Agencies) - Defined neighborhoods (MPO or Local Government) | <ul style="list-style-type: none"> <input type="checkbox"/> ETDM Coordinator will consult and resolve project issues, where feasible <input type="checkbox"/> Produce the Planning Summary Report which will comprise the following key components: <ul style="list-style-type: none"> - Project Description - Purpose and Need statement - Agency comments, issues and recommendations for potential direct impacts - System-wide GIS mapping depicting social, cultural, and natural resources - Potential secondary and cumulative impact issues and recommendations - Summary of public involvement comments | <ul style="list-style-type: none"> <input type="checkbox"/> Input agency plans and programs that affect the project area <input type="checkbox"/> Identify need for future agency involvement and anticipated agency coordination and consultation <input type="checkbox"/> Identify resource management policies, goals and objectives <input type="checkbox"/> Identify recommended course of action to preserve and protect resources <input type="checkbox"/> Evaluate potential secondary and cumulative impacts <input type="checkbox"/> Provide Project Recommendations <input type="checkbox"/> Submit comments electronically within 45 calendar days of notification <input type="checkbox"/> The Planning Summary Report will be made available to the ETAT representatives through the ETDM Web site. |

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Programming Screen

The Programming Screen will be performed annually on bridge projects contained in the Annual Bridge Repair and Replacement Report and on major capacity improvement projects contained in the MPO's list of priority projects prior to inclusion into FDOT's Five-Year Work Program with the exception of the FIHS facilities. The FIHS facilities for MPO and non-MPO areas will be screened during FDOT's development of the FIHS Ten-Year Plan. FDOT staff will be responsible for uploading the FIHS project information into the ETDM database. Major capacity improvements and bridge projects located on the State Highway System in rural areas will also undergo review prior to inclusion into FDOT's Five-Year Work Program.

The Programming Screen will initiate the Intergovernmental Coordination and Review Process (ICAR), formerly the Advance Notification (AN) process. The subsequent table identifies the information available to the NRCS during the Programming Screen (via the ETDM database). The table also addresses FHWA/FDOT and the NRCS ETAT representative review and coordination responsibilities. The review will once again take place on the interactive ETDM Web site, and all comments will be entered directly into the ETAT review database.

| ETDM Database (MPO, FDOT,FGDL) | FHWA/FDOT Responsibilities | NRCS Responsibilities |
|---|---|--|
| <input type="checkbox"/> Intergovernmental Coordination and Review Process <input type="checkbox"/> Coastal Zone Consistency Determination <input type="checkbox"/> LGCP Consistency <input type="checkbox"/> Goals of the State <input type="checkbox"/> Clean Air Act Conformity Designation <input type="checkbox"/> NRCS plans and programs <input type="checkbox"/> Demographics (Community Impact Assessment) <input type="checkbox"/> GIS Data Sets: <ul style="list-style-type: none"> - Agency specific GIS database - Fish and Wildlife Conservation Commission Management Areas - FNAI Element Occurrence - CARL Projects - National Wetlands Inventory polygons - 100 Year Flood Plains - TNC Ecological Resource Conservation Areas - Potential habitat for species - Species locations (FNAI and WILDOBS) - Ecosystem Management Areas - Streams with 303(d) impaired waters - Wetlands - Areas targeted for habitat conservation - Areas within coastal barrier resource area | <input type="checkbox"/> Distribute ICAR to agencies including all ETAT representatives <input type="checkbox"/> Determine Level of NEPA Environmental Documentation (Class of Action Determination) <input type="checkbox"/> Publish Notice of Intent for EIS <input type="checkbox"/> Establish an interdisciplinary project team <input type="checkbox"/> Consult with NRCS on Farmlands using electronic version of Form AD-1006. <input type="checkbox"/> Produce Programming Summary Report which will comprise the following key components: <ul style="list-style-type: none"> - Project Description - Purpose and Need statement - Class of Action Determination - System-wide mapping depicting social, cultural, and natural resources - Agency comments, issues, and recommendations for potential direct impacts | <input type="checkbox"/> Review and comment on ICAR <input type="checkbox"/> NRCS assigns project manager <input type="checkbox"/> NRCS becomes Cooperating Agency, as appropriate <input type="checkbox"/> Agree through formal documentation on adequacy of corridor-wide resource inventory <input type="checkbox"/> Review and comment on project impacts on Prime and Unique Farmlands. <input type="checkbox"/> Review and comment on Class of Action <input type="checkbox"/> Review project consistency with Local Government Comprehensive Plans and Statewide goals and objectives <input type="checkbox"/> Initiate agency analysis of the project concepts and possible typical sections <input type="checkbox"/> Identify all permitability issues and general mitigation needed based on the statutory responsibility of the NRCS <input type="checkbox"/> Complete Form AD-1006 (10-83) if farmlands are impacted <input type="checkbox"/> Perform project scoping activities based on review of ETDM databases and project information and identifying required technical studies prior to the beginning of the project development phase <input type="checkbox"/> Review and comment on summary of community issues, and public concerns |

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| ETDM Database (MPO, FDOT, FGDL) | FHWA/FDOT Responsibilities | NRCS Responsibilities |
|--|--|--|
| <ul style="list-style-type: none"> - FDEP Watershed Planning & Coordination Water Quality Data - Best available Aerial Photos or DOQQs | <ul style="list-style-type: none"> - Preliminary outline of the Project - Development scope - Dispute resolution issues - Summary of public involvement comments | <ul style="list-style-type: none"> <input type="checkbox"/> Participate in dispute resolution, if necessary, to assist the ETDM Coordinator in identifying solutions to project concerns. Participate in ETAT Review Committee, as needed, to review and resolve conflicts at an informal local level <input type="checkbox"/> Submit comments electronically within 45 calendar days <input type="checkbox"/> The Programming Summary Report will be made available to the ETAT representatives through the ETDM Web site. |

Project Development Documentation

During project development, the NRCS will assist the FDOT in compliance with the Farmland Protection Policy Act of 1981 (7USC 4201) to satisfy NEPA and permit issues and concerns so that the resultant approvals are acceptable to all parties and received concurrently. The table below identifies the reports and coordination responsibilities for FDOT, FHWA and the NRCS ETAT representative. Project development studies or environmental documents may require the development and maintenance of a project Web site. The ETDM interactive database will have links to the project development Web sites for agencies to continue their electronic reviews.

For federally funded major transportation capacity improvement projects, which do not individually or cumulatively have a significant environmental effect on the human and natural environment a Categorical Exclusion (CE) will be prepared. The CE level of conceptual engineering, environmental analysis and public involvement will be documented in technical support studies and be of sufficient detail to support the CE determination. For those major transportation capacity improvement projects that do not qualify for a Categorical Exclusion, an Environmental Assessment or Environmental Impact Statement will be completed, in compliance with the CEQ regulations implementing NEPA and 23 CFR 771. For non-federally funded major transportation capacity improvement projects requiring a State Environmental Impact Report (SEIR) will follow the same process used for federal documents.

| FDOT | FHWA | NRCS ETAT Reviews |
|--|---|--|
| Preliminary Alternatives Analyses | | |
| <ul style="list-style-type: none"> <input type="checkbox"/> Develop and analyze alternatives <input type="checkbox"/> Assess major impacts of all alternatives <input type="checkbox"/> Consult with NRCS regarding potential impacts and Best Management Practices (BMPs) for mitigation | <ul style="list-style-type: none"> <input type="checkbox"/> Participate in development of alternatives | <ul style="list-style-type: none"> <input type="checkbox"/> Review and comment on preliminary alternatives and analysis <input type="checkbox"/> Accept alternatives under consideration |

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| FDOT | FHWA | NRCS ETAT Reviews |
|--|--|---|
| Technical Reports | | |
| <input type="checkbox"/> Complete technical studies as defined by ETAT and scope of services, such as: <ul style="list-style-type: none"> – Wetland Evaluation Report (WER) – Cultural Resource Assessment (CRA) – Endangered Species Biological Assessment (ESBA) – Farmland Assessment, if required. | <input type="checkbox"/> Review and comment on technical reports | <input type="checkbox"/> Within 30 calendar days of notification, review and comment on technical reports <input type="checkbox"/> Provide technical assistance, as needed. <input type="checkbox"/> For projects determined to be CE's, permits will be issued upon completion and acceptance of technical studies and issuance of Location and Design Concept Acceptance (LDCA) |
| EA/DEIS | | |
| <input type="checkbox"/> Incorporate WER, CRA, ESBA and other technical reports into Environmental Document <input type="checkbox"/> Complete EA/DEIS and submit to NRCS for review <input type="checkbox"/> Apply for project permits | <input type="checkbox"/> Review and approve EA/DEIS with comments incorporated (30 calendar days) <input type="checkbox"/> Publish Notice of availability of DEIS in Federal Register | <input type="checkbox"/> Review and comment on draft EA/DEIS within 30 calendar days of notification <input type="checkbox"/> Review and comment permit issues |
| Public Hearing | | |
| <input type="checkbox"/> Identify opportunities, constraints and feasibility of Joint Public Notice and Hearing, if appropriate <input type="checkbox"/> Hold Public Hearing <input type="checkbox"/> Prepare transcript and certification | <input type="checkbox"/> Attend hearing and participate as necessary | <input type="checkbox"/> Attend joint public hearing and participate as necessary <input type="checkbox"/> Provide technical assistance on public hearing topics to satisfy NEPA and permitting requirements |
| FONSI/FEIS | | |
| <input type="checkbox"/> Document decisions in FONSI and FEIS <input type="checkbox"/> Complete FONSI/FEIS and submit to NRCS for review <input type="checkbox"/> Respond to comments <input type="checkbox"/> Obtain project permits concurrent with NEPA approval | <input type="checkbox"/> Review FEIS or FONSI <input type="checkbox"/> Approve FONSI or FEIS <input type="checkbox"/> Publish notice of FEIS availability in FR <input type="checkbox"/> Issue Record of Decision | <input type="checkbox"/> Review FONSI or FEIS and concur within 30 calendar days on NEPA and permit compliance |
| Final Design | | |
| <input type="checkbox"/> Environmental reevaluation and consultation with NRCS and FHWA on any major design modifications | <input type="checkbox"/> Approve Environmental Reevaluation <input type="checkbox"/> Participate in reviews to monitor implementation of EA or FEIS commitments | <input type="checkbox"/> Consult with FDOT on design modification and project mitigation measures to assure commitment compliance with EA/FONSI or FEIS |

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| FDOT | FHWA | NRCS ETAT Reviews |
|--|--|---|
| Construction and Maintenance | | |
| <p>For those projects not subject to 373.4137, F.S., the following applies:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Monitor implementation of mitigation measures as required by permit <input type="checkbox"/> Correct deficiencies found as required by permit <input type="checkbox"/> Prepare periodic reports on mitigation activities and provide to resource agencies | <ul style="list-style-type: none"> <input type="checkbox"/> Monitor implementation and status of mitigation efforts and sites | <ul style="list-style-type: none"> <input type="checkbox"/> Review periodic reports, field reviews and consult with FDOT on mitigation success, as necessary <input type="checkbox"/> WMD will furnish written concurrence of final mitigation success within 60 calendar days when requested by FDOT |

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Engineering Information

The level of engineering detail required to obtain permits during the NEPA process is a critical element in the new ETDM Process. In the new ETDM process both NEPA documents and permit applications will be developed using conceptual engineering information supported by required technical studies. An important efficiency of the ETDM process is the development, through interagency coordination and consultation, of one set of engineering and environmental data to satisfy both the NEPA process and the Federal and State regulatory environmental permitting process, concurrently; thereby, eliminating duplication and delay and maintaining production schedules. Utilizing one set of engineering and environmental data and concurrent processing, and with the specified information provided below, permits will be issued by the permitting agencies which provide special conditions outlining the estimated water quality, water quantity, and floodplain encroachment volumes required to meet agency technical review requirements.

Information Available during Project Development

Stormwater performance based calculations (i.e., existing/proposed land use, percent of impervious and pervious surface; water quality requirements; estimated pond volumes; water quantity discharge, drainage area and drainage maps; and estimated floodplain encroachment volume). Culvert analysis, may be required in those cases where FDOT proposes to extend a culvert, replace a bridge with a culvert, or replace a ditch with a culvert. Culverts will be designed with minimum headloss and flow capacity will be maintained. An option would be to include a condition in the permit that "the new structure will be designed to operate as well or better than the existing structure," with regards to drainage.

- ☐ Preliminary Pond Siting Report
- ☐ Location Hydraulics Report
- ☐ Delineation of wetlands and other surface waters
- ☐ Threatened and Endangered Species Report
- ☐ Wetlands Evaluation Report (identifies impacts to wetlands and other surface waters and evaluates proposed mitigation)
- ☐ Geotechnical Report (Soil Types, Groundwater Conditions)
- ☐ Plan view of alternatives/alignments
- ☐ Typical sections
- ☐ Existing topography
- ☐ Avoidance and minimization
- ☐ Type of control structure
- ☐ Estimated Outfall locations
- ☐ Special basin requirements
- ☐ SHPO letter

Information Not Available during Project Development

- ☐ Complete set of construction plans
- ☐ Profile and grade
- ☐ Detailed cross sections
- ☐ Pipe size
- ☐ Final drainage details (control structure details)
- ☐ Final drainage calculations
- ☐ Maps, Plans, or details requiring design survey

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Benefits of Concurrent Process

Listed below are many benefits associated with obtaining construction permits at the end of the Project Development Phase:

- ☐ Acquisition of right-of-way can begin earlier and may relieve production constraints
- ☐ Third party challenges will be determined earlier and can be addressed more effectively and efficiently
- ☐ Agency comments can be addressed earlier, including more substantive comments related to project design issues.
- ☐ Eliminates time delays between NEPA approval and permitting issuance which will help production
- ☐ Allows FDOT to build a more reliable, efficient and cost feasible work program
- ☐ Builds trust between agencies
- ☐ Avoidance and minimization opportunities are maximized through early coordination

Permits Obtained during Project Development

The level of conceptual engineering and project information to be supplied during the Project Development phase is sufficient to meet the State Permit Agencies (WMD/FDEP) requirements for "reasonable assurance" that state water resources, and interest criteria are protected. This will be accomplished through early involvement and interagency coordination and consultation. By providing this information to the permit agencies earlier in the project development phase and applying for construction permits during the Project Development phase, FDOT will be able to request and receive the WRP or ERP contained in Chapter 373, Part IV, F.S., Sovereign Submerged Lands contained in Chapter 253, F.S., and Coastal Construction Control Line permits contained in Chapter 62B-33, F.A.C. The issuance of the Water Quality Certification will then allow the Federal permit agencies such as the Corps of Engineers and the U.S. Coast Guard to issue their respective permits concurrent with NEPA. The duration of each permit will be of sufficient length to allow the FDOT to complete the necessary project production phases and begin construction, (i.e. ten years or longer).

Environmental Reevaluation and Permits

Each project is reevaluated, in consultation with FHWA, by FDOT, prior to advancing to the next phase of project development. During the reevaluation phase consultation with permit and resource agencies will occur where major design changes effecting the permit have occurred, or where permits, whose effective date may expire prior to project construction have been identified and a time extension in permit duration is needed that will allow for construction to be completed, or where commitments are being implemented or require change.