

ETDM Process Overview

Trainer: **Dean Rogers**

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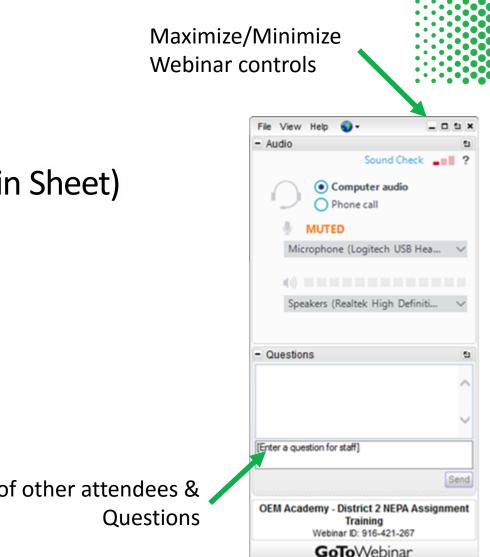
October 2017

The environmental review, consultation, and other actions required by applicable federal environmental laws described in this training are carried out by FDOT pursuant to 23 U.S.C. §327 and a Memorandum of Understanding dated 12/14/2016, executed by FHWA and FDOT.

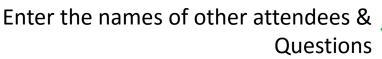


Webinar Housekeeping

- Recordings and Materials
- Chat Box (Questions and Sign-in Sheet)
- The Learning Curve









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Topics Overview

- Pre-Screening
- Planning Screens
- Programming Screens
- ACE in ETDM
- Advancing to PD&E





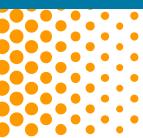






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Lesson 1 Overview of the ETDM Process



ETDM Manual, Chapter 2

What is **ETDM**?



Efficient Transportation Decision Making

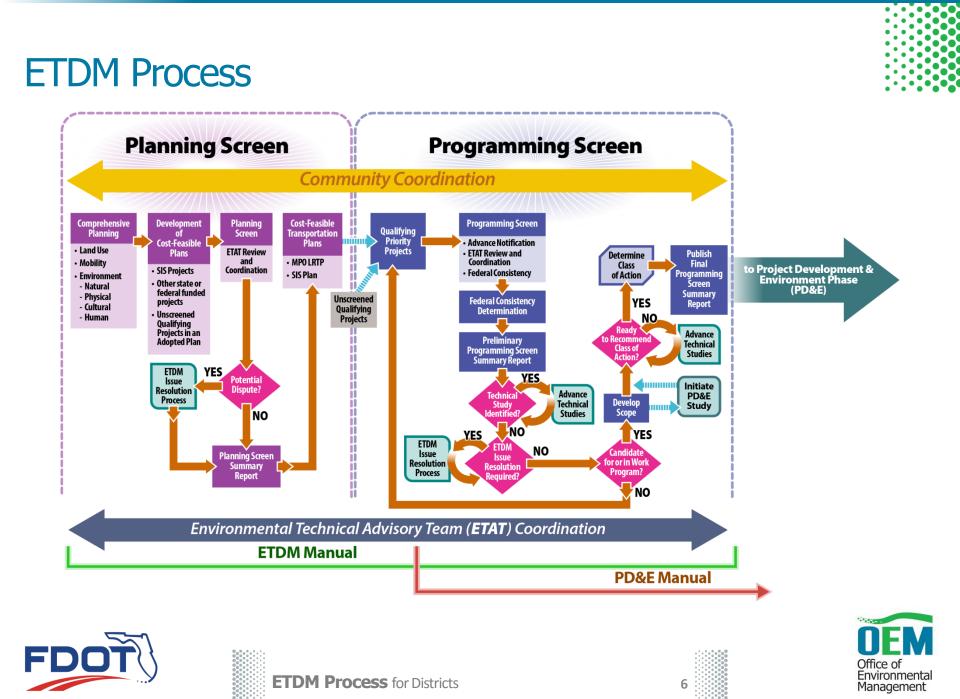
Feasibility		Avoidance, minimization and mitigation opportunities			Focus issues		
	Information to advance to PD&E		lssu resolut durir plann		on g		



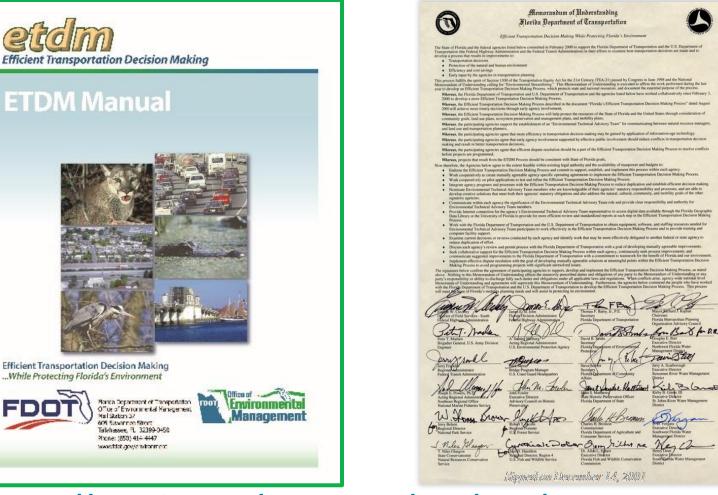








Expectations



http://www.fdot.gov/environment/pubs/etdm/etdmmanual.shtm

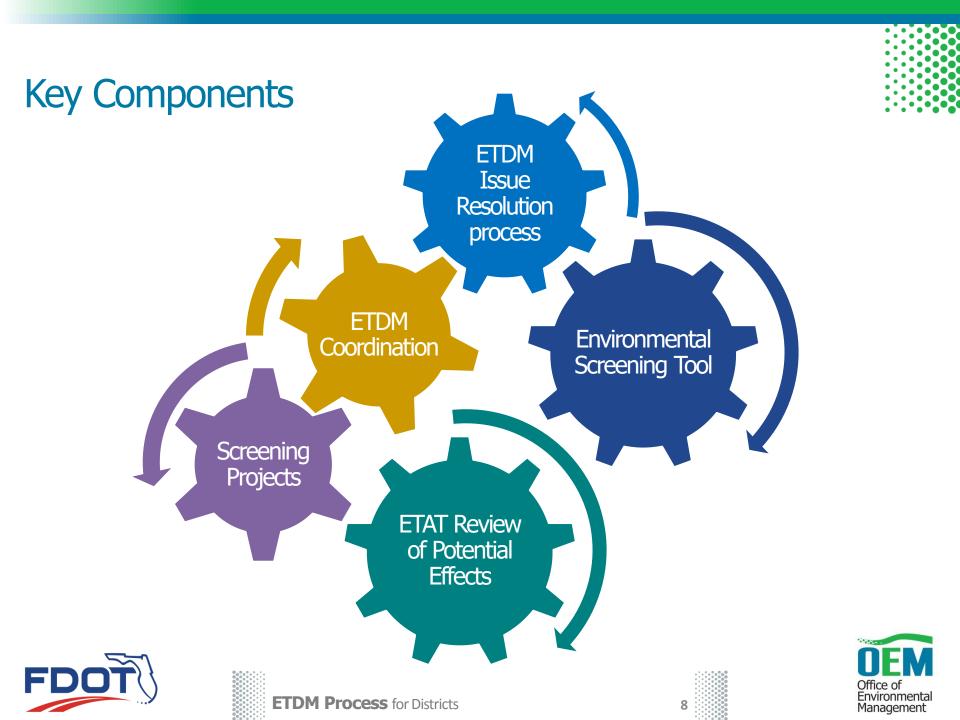






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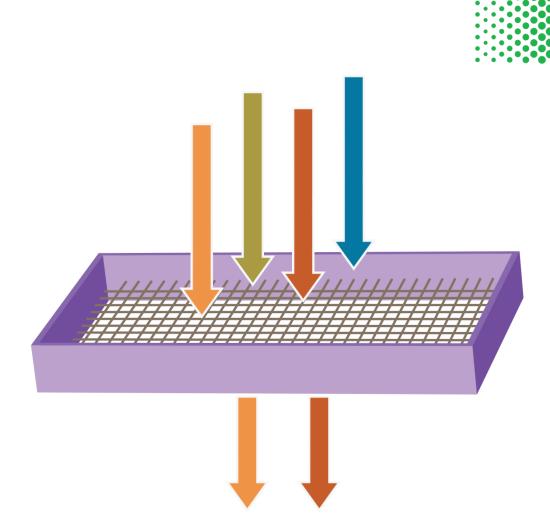






• Planning Screens

• Programming Screens







ETDM Process for Districts

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Federal Agencies

Federal Highway Administration (FHWA)

Federal Transit Agency (FTA) US Army Corp of Engineers (USACE)

US Coast Guard (USCG)

US Environmental Protection Agency (USEPA)

USDA Natural Resources Conservation Service (NRCS)

US Fish & Wildlife Service (USFWS)

US Forest Service (USFS)

National Marine Fisheries Service (NMFS)

National Park Service (NPS)



Native American Tribal Governments

Miccosukee Tribe of Indians of Florida Seminole Tribe of Florida

State Agencies

Florida Department of Environmental Protection (FDEP) Florida Department of Economic Opportunity (FDEO) Florida Department of Transportation (FDOT) Florida Fish and Wildlife Conservation Commission (FFWCC) Northwest Florida Water Management District (NWFWMD) South Florida Water Management District (SFWMD) Southwest Florida Water Management District (SWFWMD) St. Johns River Water Management District (SJRWMD) Suwannee River Water Management District (SRWMD)

Local Governments

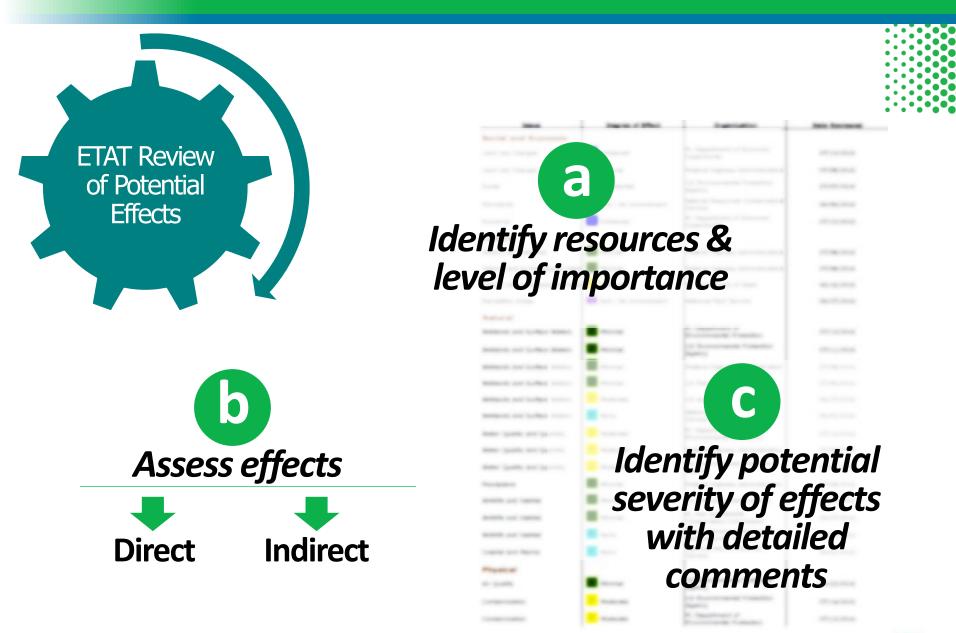
Metropolitan Planning Organizations (MPOs) Transportation Planning Organizations (TPOs) Regional Planning Councils (RPCs)





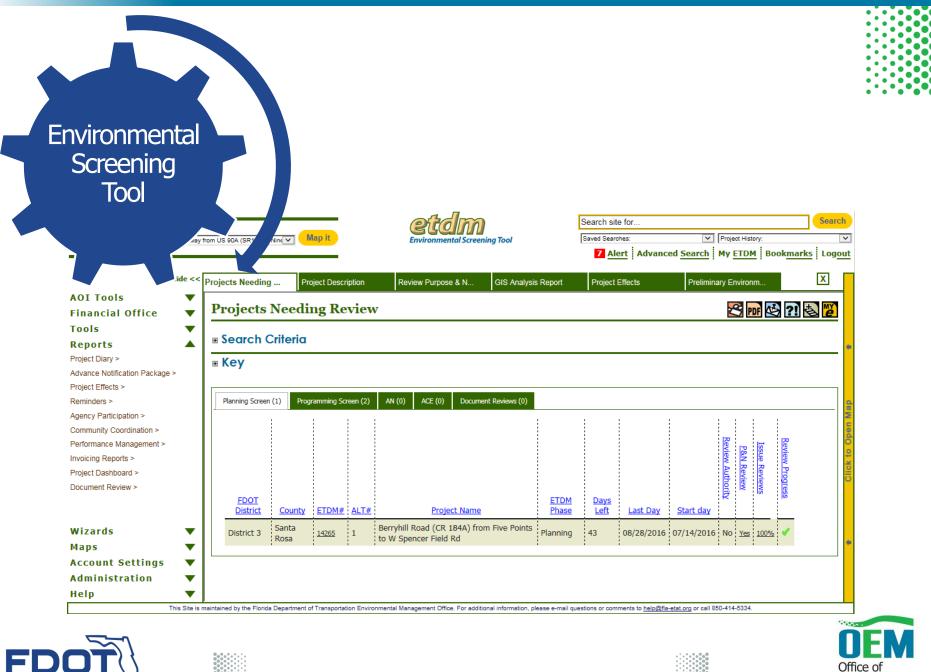








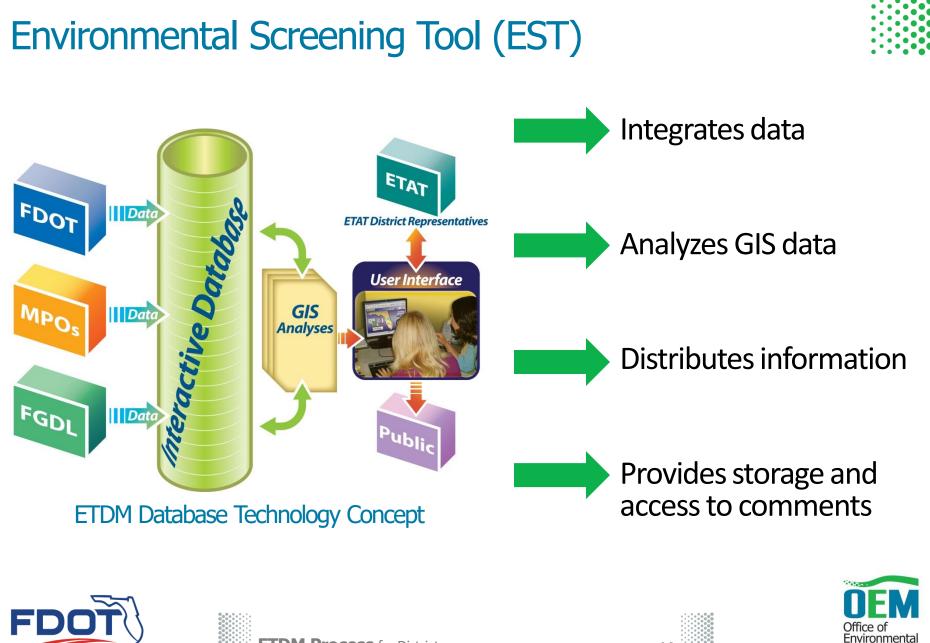




ETDM Process for Districts

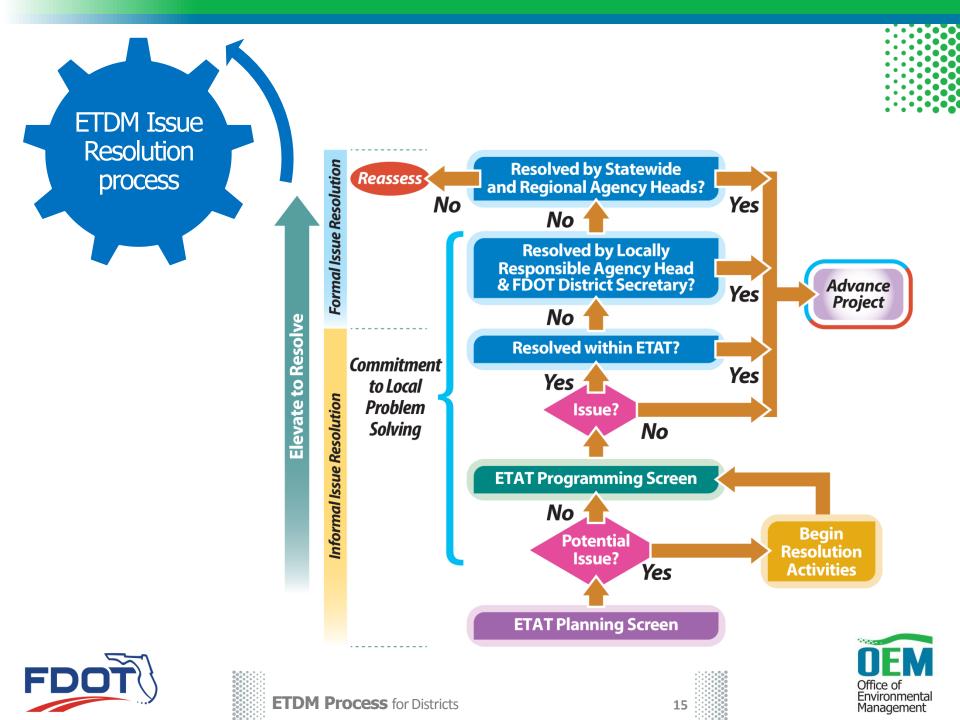
Environmental

Management



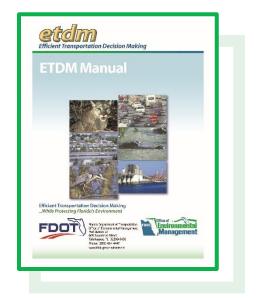


Management



Planning to inform NEPA





Efficient Transportation Decision Making (ETDM) process

- Planning and Programming Screening Events
 - Early agency involvement
 - Define Purpose and Need
 - Develop project scope
 - Determine Class of Action
 - Information available to the public
- Alternative Corridor Evaluation (ACE) process
 - Corridor review and elimination prior to PD&E

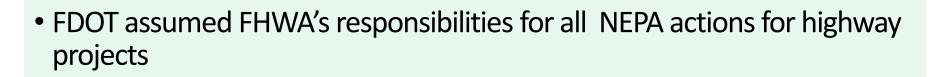








ETDM and the NEPA Assignment Program



- FDOT continues to comply with applicable federal environmental laws and FHWA environmental regulations, national policies and guidance
- The FHWA environmental responsibilities assumed by FDOT are administered by the Office of Environmental Management (OEM).









ETDM Approvals Handled by OEM

Office of Environmental Management

Purpose and Need

ACE MM and ACER

Participating and **Cooperating Agencies**

Eliminated Alternatives

Class of Action

Adoption of Planning Products













--- Project Description

- Purpose and Need















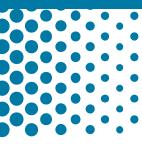




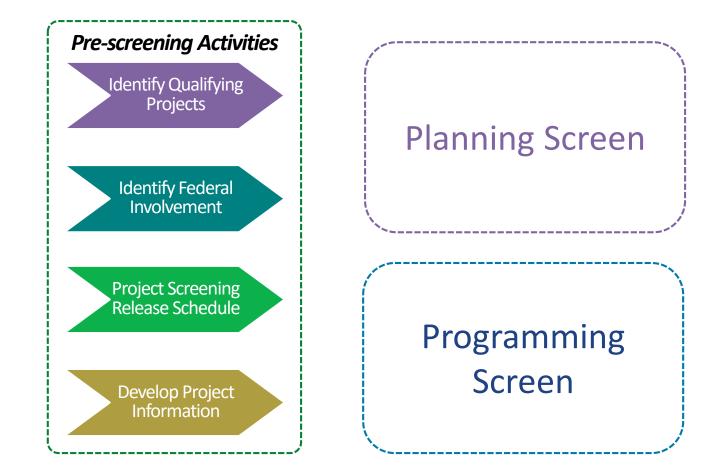


Enter your questions in the chat box....

Lesson 2 Pre-screening coordination and review





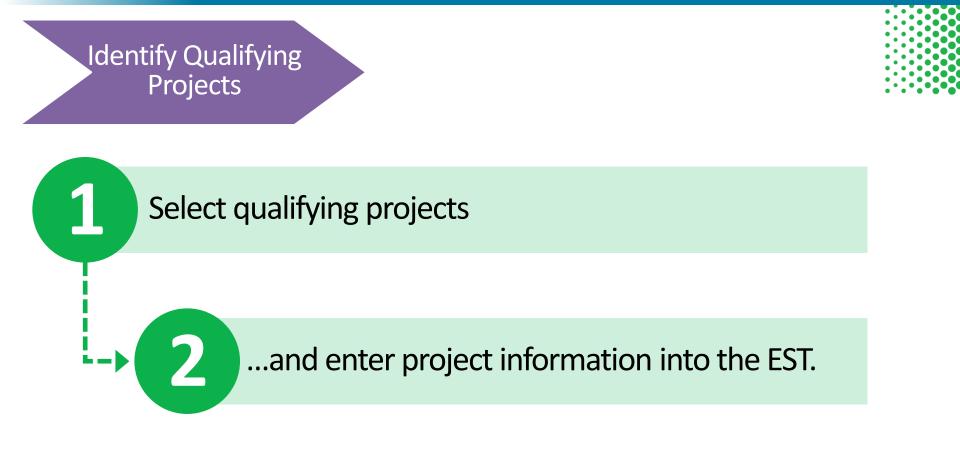
























Statewide Acceleration and Transformation (SWAT) Teams

- Streamline FDOT's project preconstruction process
- Meet annually to review upcoming PD&E projects
- Provide ETDM Coordinator with list of projects that need ETDM Screening
- Identify funding sources (federal or state)













But first, the project sponsor considers the project type...

- Is it a **Roadway** project?
- Is it a **Public Transportation** project?











Roadway Projects

- Additional through lanes, which add capacity to an existing road.
- A new roadway, freeway or expressway
- A highway that provides new access to an area
- A new or reconstructed arterial highway (e.g., realignment)
- A new circumferential or belt highway that bypasses a community
- Addition of interchanges or major interchange modifications to a completed freeway or expressway
- A new bridge that provides new access to an area, bridge replacements













Public Transportation

- Major capital improvements, including intermodal centers, rail, and transit centers
- Rail: new commuter rail, passenger rail, or new freight rail extending beyond current footprint
- Transit: new facility, new terminal, New Starts/Small Starts project extending beyond current footprint
- A new seaport, airport, or non-passenger rail project on the SIS









Identify Qualifying Projects

After determining the qualifying project type, the project sponsor uses the ETDM Screening Matrix for Qualifying Projects

	Federal Dollars (any FHWA, FTA or FRA funds or federal authorization)		State Dollars (TRIP, Transit/ Intermodal System Grants, etc) No Federal Dollars Involved		Local Dollars Only	
	Responsible Agency	ETDM Screening	Responsible Agency	ETDM Screening	Responsible Agency	ETDM Screening
System Highways on the State Highway System (SHS) and	FDOT	YES	FDOT	YES	FDOT	YES
on the Strategic Intermodal System (SIS)	Local	Lead	Local and FDOT	Local Option	Local and FDOT	Local Option
Highways on the SHS but not	FDOT	YES FDOT Lead	FDOT	YES	FDOT	YES
on the SIS	Local		Local and FDOT	Local Option	Local and FDOT	Local Option
Highways not on SHS but on	FDOT	YES	FDOT	YES	FDOT	YES
the SIS	Local	Lead	Local and FDOT	Local Option	Local and FDOT	Local Option
Highways not on SHS nor on	FDOT	YES FDOT	FDOT	YES	Local	N/A
the SIS	Local	Lead	Local	Local Option		
Major Transit Projects (new fixed guideway, New Starts)	FDOT	YES	FDOT	YES	Local	N/A
or Major Freight Projects	Local	Local Option	Local	Local Option	Loour	

ETDM Screening Matrix for Qualifying Projects

NOTE: Local applies to any local government agency, other state agency, expressway authority, bridge authority or private entity













12-month ETDM Screening schedule

- Identifies projects
- Type of screening
- Anticipated screening release date for each project

ETDM Project Schedule and Management (PSM) Codes

PSM Code	Activity to Track	Description
700	ETDM/ETAT PROGRAMMING SCREEN	ENTER START DATE FOR
	START	SCREENING EVENT
701	ETDM PROGRAMMING PRELIMINARY	ENTER DATE FOR PRELIM
	SUMMARY REPORT PUBLISHED	PROGRAMMING SCREEN PUBLISH
702	ETDM PROGRAMMING FINAL SUMMARY	ENTER DATE FOR FINAL
	REPORT PUBLISHED	PROGRAMMING SCREEN PUBLISH









- Prepare the following:
 - Purpose and Need
 - Project Description
 - Preliminary Environmental Discussion (PED)
- Enter information into EST
- Complete QA/QC of information
- For federal highway projects, select **FDOT-OEM** as the Lead Agency









Developing the Purpose and Need The purpose ...

- Defines the transportation problem NOT give a solution
- Provides data to support the problem statement
- Sets the stage to consider alternatives *NOT* reverse engineer a solution









Developing the Purpose and Need (continued)

The explanation of the need ...

- Provides the rationale for pursuing the action
- Consists of a factual, objective description of the specific transportation problem with a summary of the data and analysis
- Is justified by quantified data, for example:
 - Vehicle miles of travel
 - Travel speeds
 - Time of day characteristics
 - Current and projected levels of service
 - Crash rates
 - Roadway and structure deficiencies











Developing the Purpose and Need (continued)

The following may be included to help explain the need for the project:

- Project Status
- Capacity
- System Linkage
- Transportation Demand
- Legislation
- Social Demands or Economic Development
- Modal Interrelationships
- Safety
- Roadway Deficiencies

Limited to those elements that are applicable to the Project











Developing the Purpose and Need (continued) Helpful Hints

- Be Concise
 - Purpose: no more than one or two paragraphs
 - Need: ideally, less than two pages
- Focus on the Objectives
 - Purpose: reflects the reason(s) the project is being considered
 - Need: describes the problem(s) to be addressed by the project









Developing the Project Description

Identify...

- Project name
- Planning organization
- Project limits
- Characterization of facility
- Proposed improvements, such as:

facility type, number of lanes, type of median, major structures, and potential right-of-way requirements











OEM is Lead *Determine State or FHWA Environmental Review Process Indicate which environmental review process will be used: State Process FHWA Process *Funding **District is Lead FHWA Funding** Expected: FHWA funds are expected to be on this project (includes any phase of project development or implementation). Not Expected: FHWA Federal funds are NOT expected to be used during any phase of project development or implementation. Other Federal Funding Expected: Other sources of Federal Funds (i.e., FTA) are expected to be used on this project. Use of these funds does NOT require following the FHWA Environmental Review Process. O Not Expected: No non-FHWA Federal funds are expected to be used during any phase of project development or implementation. State Funds Only (SFO): Flagging the project in the Work Program to indicate that Federal funds can never be used during any phase of project development or implementation. Only select this option if you have coordinated internally and the District management officially determines that this

Environmental Review Process and Federal Eligibility





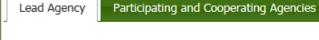
project should be flagged as "State Funds Only".







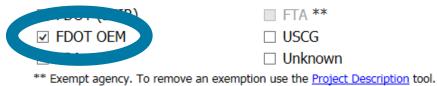
Agency Roles in PD&E



Lead Agencies

A lead agency, FDOT Office of Environmental Management, has already been assigned to this project. If you need to change the lead agency associated with the Class of Action and the the new lead agency has not yet accepted the Purpose and Need, please:

- 1. Use the form below to select the new lead agency.
- 2. Have the new lead agency "Accept" the Purpose and Need (you may have to grant the agency an individual extension).
- 3. Please note that any prior Class of Action signatures will be removed once the lead agency is modified.



This project has been approved for the federal environmental review process.

Sign and Submit

Licer Identity: Chris D Sands @ FDOT District 4





ETDM Process for Districts





Developing a PED

The PED must...



- Include the Environmental Fact Sheet in Advance Notification Packages
- Provide FDOT's understanding of potential environmental issues
- Describes the anticipated level of project involvement with resources
- Communicate what FDOT knows relative to the specific:
 - Project
 - Alternative
 - Issue







Developing the PED (continued)

- The PED should identify:
- Resources FDOT knows about and whether we might come in contact with them (or not)
- Coordination requirements
- Technical studies
- Anticipated permits





Developing the PED (continued) The PED should...

- Share information, not indicate a finding
- Assess potential effects and share intent to address or evaluate them
- Communicate what is known
- Provide context to aid agencies in providing comments
- Ask reviewing agencies to confirm or clarify FDOT's understanding









OEM Pre-Screening Review



- District works with OEM project coordinators about potential resource issues.
- District notifies OEM to begin pre-screening review

• OEM reviews project information, returning comments to the District within 14 days









Update Project Status



#5371 I-75 PD&E Study From North of Kings Highway to River Road

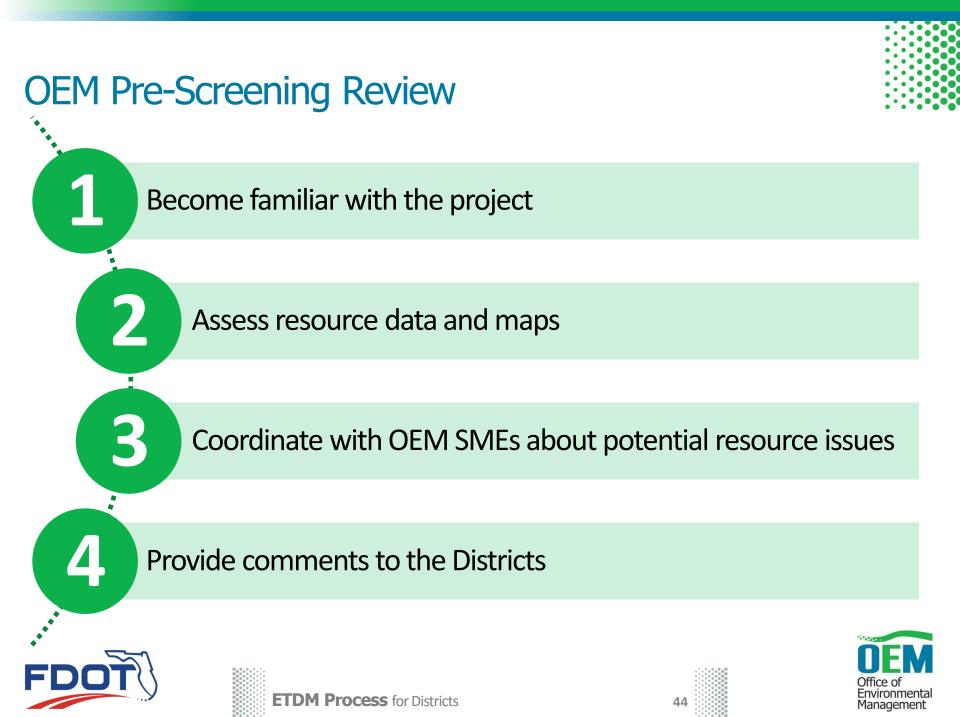
District: District 1 Phase: Planning Screen Contact Information: Gwen G. Pipkin (863) 519-2375 x2375 <u>tester-gwen-pipkin-etdm-coordinator-primary-d1@devnull.fla-etat.org</u>

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ETDM Process for Districts





Items OEM Reviews during Pre-Screening

- Project Description
- Purpose and Need
- Preliminary Environmental Discussion (PED)









Update Project Status



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ALT#	Name	Editing	Ready for GIS Analysis	GIS Analysis Complete	FHWA Process Approval	SIS Consistency Review	ETDM QA/QC	OEM Review	OEM Approved for Screening	_	ETAT Review Complete	Eliminated
-	and Sub Identity: S		lemons @	FDOT Dist	rict 1							
User Identity: Stephanie Clemons (Update Status(es)				Reset Form								





Management

Office of Environmental



OEM Pre-screening Review Report

#15251 Test - Springhill Road

District: District 3 Phase: Programming Screen Contact Information: Stephanie A Clemons (850) 414-5334 stephanie.clemons@aecom.com

Approval: Approved to Screen with Revisions as Noted by Stephanie A Clemons on 10/05/2016

Project Description

Comments:

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View Project Description

Purpose and Need

Comments:

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View Purpose and Need

PED

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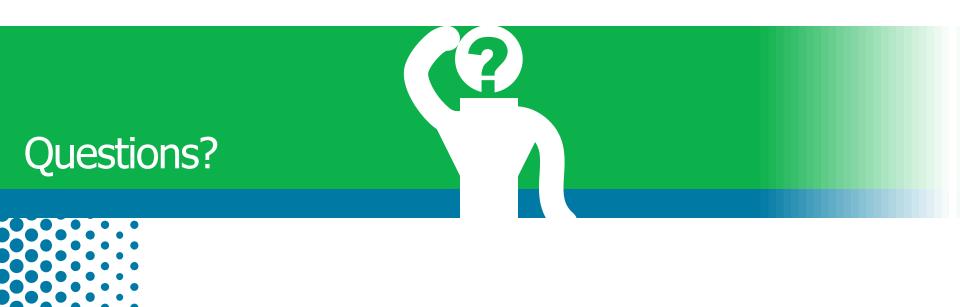
View PED





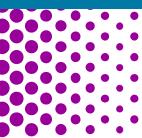






Enter your questions in the chat box....

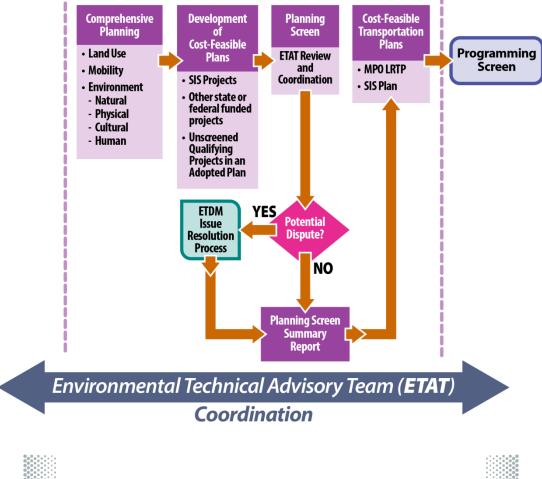
Lesson 3 ETDM Planning Screens



ETDM Manual, Chapter 3

Planning Screen

Community Coordination





ETDM Process for Districts





District's Tasks

- Send Planning Screen Notification
- Obtain understanding of Purpose and Need from OEM (when OEM lead or ACE project)
- Monitor ETAT comments
- Coordinate and prepare responses
- Develop the Summary Report











#14226 SR-9/I-95 and SR 842/Broward Boulevard Interchange

District: District 4 Phase: Programming Screen Contact Information: Sabrina Aubery (954) 777-4585 sabrina.aubery@dot.state.fl.us

Wetlands

Project Effect Comments

Coordinator Summary Degree of Effect: <u>3</u> Moderate Response By: FDOT District 4 (10/30/2015) Comments:

The proposed project lies south and west of the North Fork of New River and the surrounding estuarine habitats. A review of the Environmental Screening Tool revealed approximately 3.4 acres of wetlands may occur within a 500-foot buffer. Several agencies commented that wetlands may occur in or near the project site. However, the surrounding area is largely developed, paved, cleared and landscaped, with minimal estuarine wetland habitat. Some of the stormwater swales located within and adjacent to the right of way may support hydrophytic vegetation, but are components of the highway drainage system and are constructed man-made features.

The Florida Department of Environmental Protection FDEP and the South Florida Water Management District indicated that an Environmental Resources Permit (ERP) will be required. Existing ERPs in the area can likely be modified for this project: I-95 (06-01465-S) and Broward Boulevard Park & Ride Lot (06-01469-S).

The National Marine Fisheries Service stated that tidal mangrove areas in the New River adjacent to the project consist of Essential Fish Habitat (EFH) and may provide habitat for the endangered smalltooth sawfish. Impacts to these areas are not anticipated. However, if the project is expanded to include the North Fork of the New River, and the mangrove resources are impacted, an EFH assessment will be prepared and an Endangered Species Biological Assessment will reflect these impacts.

During the PD&E phase further coordination will occur with the agencies to determine what documentation will be required to address agency concerns over potential wetland impacts. Necessary measures will be taken to avoid and/or minimize impacts to wetlands to the greatest extent practicable during project design. Should avoidance and/or minimization not be practicable, a Mitigation Plan will be prepared. In addition, existing compensatory mitigation sites within the area of influence will be identified and reviewed. Further, best management practices will be utilized during project construction and all applicable permits (including an ERP) will be obtained in accordance with federal, state, and local laws and regulations.

Due to the proximity of the North Fork of the New River and the potential of impacting EFH, a Summary Degree of Effect of *Moderate* has been assigned to Wetlands.











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Provides FDOT's understanding of resource involvement

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ble during project design. Should on sites within the area of influence permits (including an ERP) will be

- Responds specifically to ETAT Comments

lerate has been assigned to





ETDM Process for Districts

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Environmental

Management

#14226 SR-9/I-95 and SR 842/Broward Boulevard Interchange

Phase: Programming Screen Contact Information: Sabrina Aubery (954) 777-4585 sabrina.aubery@dot.state.fl.us District: District 4

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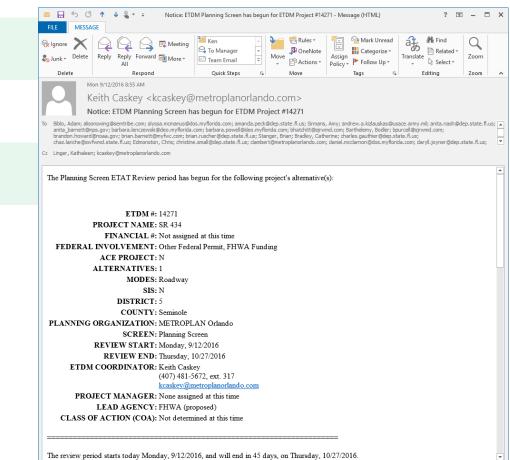






OEM Reviewers' Tasks During Planning Screen

- Receive Notification
- Indicate understanding of Purpose and Need
- Monitor ETAT comments
- Coordinate with District
- Provide technical assistance
- Become familiar with issues







👠 Unable to log in to: SharePoint.



🕸 ?! 🕹 🎽

OEM Indicates Understanding During Planning Screen

Purpose and Need

Review Purpose & Need

#15251 Test - Springhill Road

District: District 3 Phase: Planning Screen Contact Information: Stephanie A Clemons (850) 414-5334 stephanie.clemons@aecom.com

Purpose & Need

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Enter Review Information

Indicate whether the Purpose and Need is: O Understood O Not Understood

Purpose and Need Comments

Enter any comments you have regarding the Purpose and Need. Comments are required if you indicate the Purpose and Need is Not Understood.

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Management



Sign and Submit

Password ••••••

Submit Review

By entering your password you are certifying that these comments represent the official review from your agency of the Purpose & Need.

User Identity: Stephanie A Clemons @ FDOT Office of Environmental Management V

OEM and District Monitor ETAT Comments

I MESSAG	4 5 6		Flagged for Dispute - Mes		? 📧		×		
🕞 Ignore 🗙 Sunk - Delete	Reply Reply Forward More *	· · · · · · · · · · · · · · · · · · ·	▲ Nules ▼ ▼ Move ↓ Actions ▼	Assign Policy + Follow Up *	att	Zoom			
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	DM Project Alternative #14212 atwork.com; adouglas@citiesthatwork.com ng.com			om; Pipkin, Gwen G; lauren.bri	ooks@aecom.com; Mc(Gilvray, Pete	r;		
Cc Kirby, Marjorie; Pa	agan, Xavier; Yee Fong, Shereen; Morefiel	d, Ken; McGilvray, Peter; Mu	churuza, Victor						
US Fish and Wildlife Service selected a RED Flag as the Degree of Effect on the Special Designations issue for the following project alternative.									
	ETDM #: <u>14212</u>								

PROJECT NAME: SR 29 Widen 2-4 Lanes FINANCIAL #: 434490-1-2-2-01 FEDERAL INVOLVEMENT: Other Federal Permit, FHWA Funding ACE PROJECT: N ALTERNATIVE: 1 MODES: Roadway SIS: Y DISTRICT-1 COUNTY: Collier PLANNING ORGANIZATION: FDOT District 1 SCREEN: Programming Screen REVIEW START: Wednesday, 12/23/2015 REVIEW END: Saturday, 2/6/2016 ETDM COORDINATOR: Gwen Pipkin (863) 519-2375, ext. 2375 gwen.pipkin@dot.state.fl.us

PROJECT MANAGER: None assigned at this time LEAD AGENCY: FHWA (proposed) CLASS OF ACTION (COA): Not determined at this time

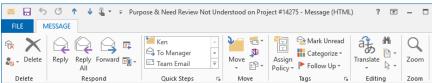
> DISPUTE TYPE: Project has significant environmental cost **ISSUE:** Special Designations

🛕 Unable to log in to: SharePoint.





ETDM Process for Districts



Wed 8/17/2016 2:49 PM





Purpose & Need Review Not Understood on Project #14275

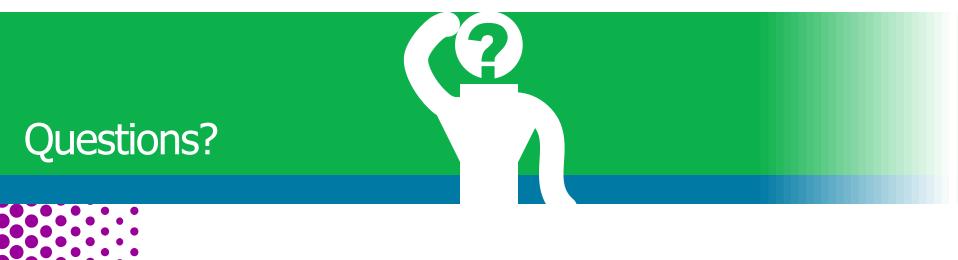
To Greg Vaughn; Kristin.Oliver@atkinsglobal.com; Wendy.Lasher@atkinsglobal.com; Tyler, David; lauren.brooks@aecom.com; megan.mckinney@aecom.com; McGilvray, Peter; Southall, Peter; Newman, Terri

Cc Kirby, Mariorie: Pagan, Xavier: Yee Fong, Shereen: Morefield, Ken: McGilvray, Peter: Muchuruza, Victor

US Environmental Protection Agency selected "Not Understood" on the Purpose and Need Statement for the following project.







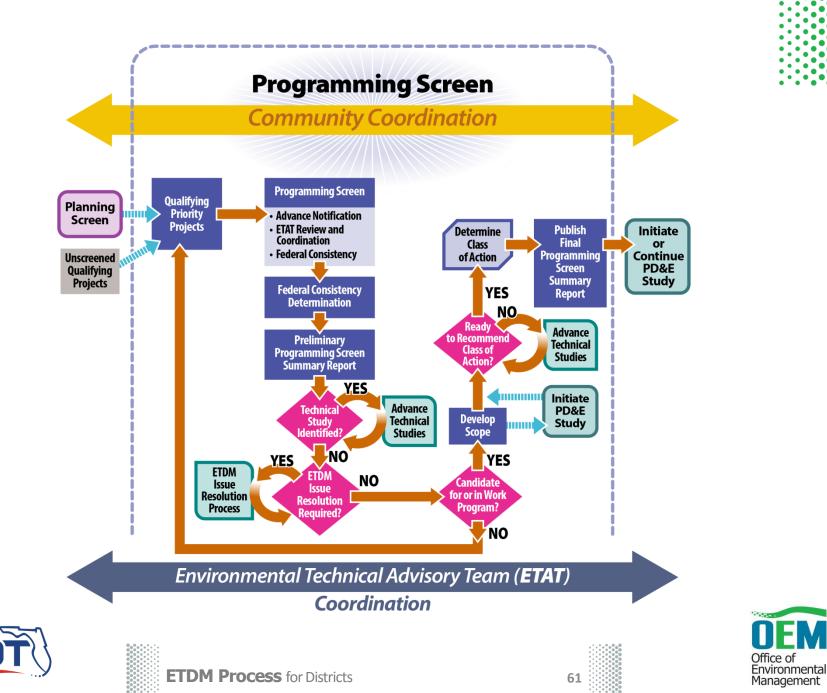


Enter your questions in the chat box....

Lesson 4 ETDM Programming Screens



ETDM Manual, Chapter 4



FD



OEM Acceptance During Programming Screen

Office of Environmental Management

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Purpose and Need

Review Purpose & Need

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■ #15251 Test - Springhill Road

District: District 3 Phase: Programming Screen Contact Information: Stephanie A Clemons (850) 414-5334 stephanie.clemons@aecom.com

Purpose & Need

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Enter Review Information

*Indicate whether the Purpose and Need is: OAccepted ONot Accepted

Purpose and Need Comments

Enter any comments you have regarding the Purpose and Need. Comments are required if you indicate the Purpose and Need is Not Understood.

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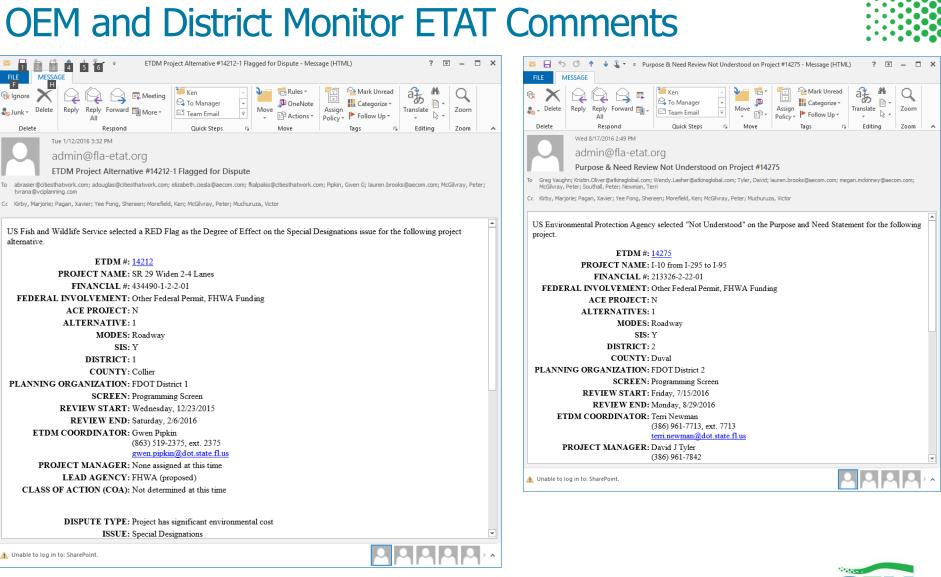
Sign and Submit

ETDM P

By entering your password you are certifying that these comments represent the official review from your agency of the Purpose & Need.

User Identity: Stephanie A Clemons @ FDOT Office of Environmental Management V

Password ••••••





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ETDM Process for Districts

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Districts' Tasks after the Programming Screen review

- Consult with OEM
- Identify potential technical studies and permit needs
- Develop the Preliminary Programming Screen Summary Report
- Review requests from ETAT for Participating and Cooperating Agencies and send recommendations to OEM
- Propose elimination of alternatives, if applicable, and send recommendations to OEM
- Send proposed COA to OEM when appropriate
- Publish Final Programming Screen Summary Report











OEM Approvals after Programming Screen

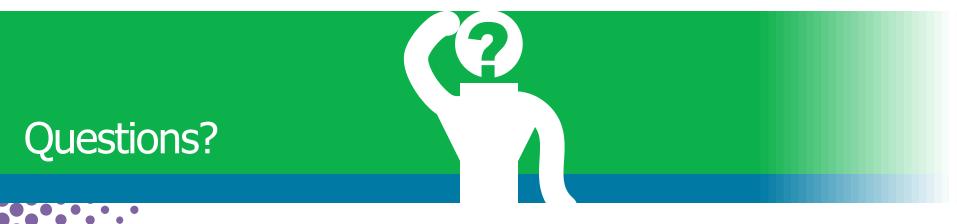


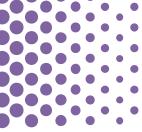








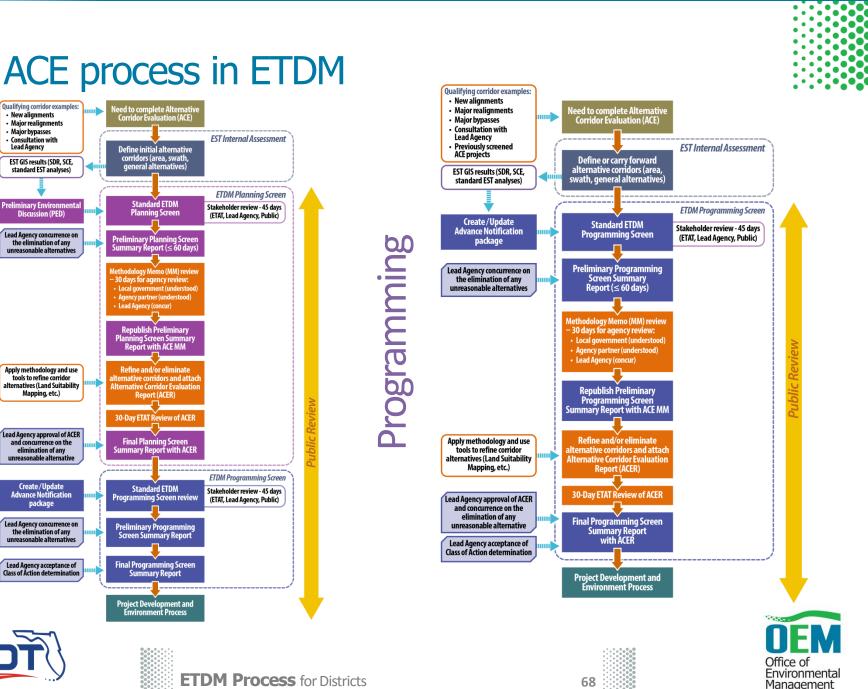




Enter your questions in the chat box....

Lesson 5 ACE process in ETDM





The ACE process in ETDM

Planning

OEM Approvals During ACE









ETDM Process for Districts





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Enter your questions in the chat box....

Lesson 6 Advancing to PD&E



ETDM Manual, Chapter 5



Information to support Scope Development

- Purpose and Need
- Class of Action
- Cooperating and Participating Agencies
- Identification/refinement of alternatives
- Preliminary Environmental Discussion (PED)
- Elimination of unreasonable alternatives
- Identification of anticipated technical studies and permits
- Summary of public comments, sociocultural effects evaluation, and identification of community desired features
- Identification of future coordination activities
- Recommendations for subsequent project phases
- Results of planning studies that may support the PD&E Study









Adopt Planning Products

- Information can be used within 5 years of publication
- Must follow conditions of 23 U.S.C. § 168
- May include planning products identified in 23 U.S.C. § 168

See ETDM Manual, Chapter 4, Section 4.7 Linking Planning and Environmental Review









Handling Unresolved Issues

- Information from ETDM Issue Resolution Process advances to PD&E
- OEM and District continue to coordinate with ETAT members
- Technical studies may be developed to address issues
- The federal process is used for any remaining unresolved issues (23 U.S.C. § 139)











Enter your questions in the chat box....

For More Information



<u>http://www.fdot.gov/environment/</u> <u>sched/track7.shtm</u>



Florida Department of TRANSPORTATION

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Office of Environmental Management

Office of Environmental Management / OEM Training Program **OEM Training Program - Track 7**



Efficient Transportation Decision Making (ETDM) Training

Target Audience: Geared towards both FDOT and Consultant ETDM Practitioners and FDOT, MPOs, and other state and federal agency personnel involved in the transportation decision making process. Also a good resource for LAP Agency Partners.

Description: The following are on-demand training classes which have been developed to provide viewers with a general understanding of the **ETDM Process** and the Environmental Screening Tool (EST). These videos are .wmv files and are viewable in the **windows media player** (FDOT standard software). The EST is a secure system. Only people performing a specific supporting function with the **ETDM Process** have access to the the EST. Access must be approved by an **ETDM Coordinator**. Alternatively, a public version of the EST is located at https://etdmpub.fla-etat.org NOTE: No certificates of completion provided for any of the on-demand courses.

Existing items to include in this track:

- · ETDM Process Overview This training provides an overview of the ETDM process.
- Environmental Screening Tool (EST) Overview This training provides an overview of the EST used to facilitate the ETDM process, including the review of projects, map integration, and access to comments and analysis.
- · EST Public Access Site General Navigation This training provides and overview of the EST Public Access site
- EST Public Access Site Subscribing to Project Notifications
- · EST Map Overview This training provides an overview to the integrated map viewer functions.
- · EST Map Viewer Tools This training goes through each individual map accessible tool in detail.
- · EST Area of Interest (AOI) Tool This training provides an overview of the area of interest tool.
- · EST AOI Reports This training provides an overview of the area of interest tool.
- · EST Sociocultural Data Reports This training provides an overview of the sociocultural data reports
- EST Alternative Corridor Evaluation (ACE) This training provides an overview of the the EST functions to support it.
- EST Eliminating Alternatives This training provides overview of the within the ETDM process.
- EST Environmental Technical Advisory Team (ETAT) P tools the state and federal partners use within the EST

Project Input - This training provides





ETDM Process for Districts

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ETDM Process Contacts



Office of Environmental Management

Pete McGilvray <u>Peter.McGilvray@dot.state.fl.us</u> (850) 414-5330

Dean Rogers <u>Dean.Rogers@dot.state.fl.us</u> (850) 414-5348

> ETDM Help Desk help@fla-etat.org (850) 414-5334









