

# Courses

Course Number	Course Name	Prerequisites	Purpose	Objectives	Content	Audience	Active
AT-19-0001	Traffic Noise Modeling	None	The course is designed to make the student familiar with the basic operation of the approved Traffic Noise Prediction Model. This course has 16 PDHs associated with it.	Individuals will be able to: - Exhibit knowledge of traffic noise model operation - Demonstrate a significant knowledge of the variables used in traffic noise modeling - Illustrate the ability to convert raw data into the traffic noise model successfully	Using the FHWA Traffic Noise Model (TNM)- How to obtain the data required for successful traffic noise modeling- Inputting raw data- Recommended default values- How to use the results of the TNM	All students are expected to have attended BT-19-0005 prior to attending this course. This course is designed for the FDOT noise specialist involved in modeling traffic noise impacts.	<input checked="" type="checkbox"/>
AT-19-0002	Landscape Architecture And ODA Laws And Rules	None	Increased understanding of the laws presented in this course, will help students create highway landscape architectural projects that address the statutorily defined view zones of outdoor advertising signs, and maintain the visibility of permitted sign faces.- This course has 2 CEUs associated with it.	At the conclusion of this course, students preparing to practice highway landscape architecture will know about the Federal, State, and local laws pertaining to landscape architecture and outdoor advertising in Florida.- This course has 2 CEUs associated with it.	This course includes but is not limited to: US Highway Beautification Act, Lady Bird history of ODA Regulation, FHWA/State Agreement, Article, Section 7(a) Constitution of the State of Florida, Chapter 479, F.S. Outdoor Advertising, Rule Chapter 14-10, F.A.C., Beautification and Outdoor Advertising, Section 334.044(26), Florida Statutes (1.55% for highway beautification), Map of FDOT Districts, Contact list for DOT staff, QA, FDOT Outdoor Advertising Database, Vegetation Management at Outdoor Advertising Signs, etc.	Landscape Architects, Designers	<input checked="" type="checkbox"/>

Course Number	Course Name	Prerequisites	Purpose	Objectives	Content	Audience	Active
BT-05-0071	Spacial Analyst/GIS Applications	BT-05-0066	To teach and familiarize participants with some of the analytical tools available for use with geographic data and the ArcView GIS software package. This will allow Department personnel to take fuller advantage of the environmental data included in the Florida Geographic Data Library and other GIS data when performing studies.	Individuals who complete this course will better understand spatial relationships in GIS data, be able to develop queries combining cell based, raster, and vector GIS data, and create custom maps and outputs using this data.	Location analysis, suitability modeling, and cost path generation will be presented and students will practice using these tools.	Individuals currently using GIS and ArcView to review geographic data and produce maps. Individuals who need to perform more detailed analysis of geographic data to produce reports and maps that answer relational questions regarding data.	<input type="checkbox"/>
BT-19-0001	Air Quality Analysis	None	This is a twelve hour course offered by the Environmental Management Office. The course is designed to introduce concepts and techniques of air quality analysis	Individuals who complete this course will be able to: - Exhibit knowledge of air impacts and air levels respecting Federal and State standards	This course will include but is not limited to the following topics: - Air quality basics - How to run air quality models - Air quality screening test - FDOT procedures, rules, FHWA & EPA Policies, Procedures regarding air quality analysis.	Environmental specialists and engineers involved in conducting or reviewing FDOT air quality analysis	<input type="checkbox"/>
BT-19-0002	Environmental Contamination Problem Identification	None	This is a one half day (4 hr) course offered by the Environmental Management Office. The course is designed to introduce Right-Of-Way, Construction, Maintenance, and Project Development Personnel to the many issues DOT faces concerning environmental contamination during project development, right-of-Way acquisition, and construction. This course has 4 PDHs associated with it.	Individuals who complete this course will: - Understand the issues DOT face concerning environmental contamination and the importance of avoiding or minimizing DOT'S involvement. - Recognize potential contamination impact problem areas (E.G., indicator businesses, underground tank sites, etc.)	This course will include but is not limited to the following topics: - DOT case histories - Hazardous wastes (definitions and regulations) - Liabilities associated with hazardous waste materials - Typical businesses that generate hazardous wastes - Underground tank sites - What to look for in the field - Current DOT procedures in property management and relocation. - Status of procedural guidelines	Right-of-Way, Construction, Maintenance and Environmental personnel.	<input checked="" type="checkbox"/>

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BT-19-0005	Traffic Noise Analysis	None	This is a three (3) day course offered by the Environmental Management Office. The course is designed to introduce concepts and techniques of traffic noise analysis and abatement. This workshop has 24 PDHs associated with it.	Individuals who complete this course will be able to: - Exhibit knowledge of noise standards and noise abatement criteria - Demonstrate significant knowledge of noise impact and project alternative - Certify the preferred alternative is consistent with FHWA requirements - Provide low cost, effective abatement, and mitigation measures with noise impacts	This course will include but is not limited to the following topics:- Noise basics - Noise models- Writing a noise report - Model validation- Use of FHWA model(s)- Noise abatement considerations- construction noise assessment- How to conduct field measurement- How to do a traffic noise analysis	Environment Specialists and Engineers involved in conducting or reviewing FDOT Traffic Noise Analysis.	<input checked="" type="checkbox"/>
BT-19-0008	Environmental Impacts Of Highway Construction And Maintenance	None	This is a six-hour course conducted by the Environmental Management Office. The course is designed to acquaint construction, maintenance and other personnel with various impacts that may occur during highway construction This course has 4 PDHs associated with it.	Individuals who complete this course will be able to: - Exhibit basic knowledge to resolve most environmental problems - Prevent environmental problems from occurring - Recognize most environmental concerns	This course will include but is not limited to the following topics: - Environmental perits; Environmental problem areas in construction and maintenance; Archaeological and historical procedures;- Solutions to environmental problems	FDOT and consultant Construction and Maintenance technicians and engineers, design engineers, environmental specialists and others.	<input type="checkbox"/>

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BT-19-0009	Water Quality Impact Evaluation (WQIE)	None	This is a 10-hour course designed to acquaint District Project Development and Environmental staff and other FDOT personnel in the analysis of water quality impacts needed to develop a Environmental Document.	Participants wil - Identify constituents of concern associated with highway stormwater runoff. - Estimate level c constituents from various contributing land uses. - Determine impacts of constituents is stormwater runoff on receiving waters. - Develop conceptual designs of stormwater treatment facilities to mitigate impacts - Document this stormwater analysis in environmental documents.	This course will include the following topics: - The environmental process and policies associated with highway stormwater runoff; - The level of detail necessary in environmental documents to evaluate highway stormwater runoff; - The literature and research addressing highway and other land uses as relates to evaluation of highwa stormwater runof; - How to document stormwater runoff constituents and impacts; - Conceptual design of stormwater treatment facilities.	Project Development and Environment personnel involved with project development and environmental analysis and others who may be involved in developing or reviewing a DOT project.	<input type="checkbox"/>
BT-19-0013	Wetland Rapid Assessment Procedure (WRAP)	None	This is a one and a half day course offered by theEnvironmental Management Office. The course is designed to make the student familiar with WRAP and its uses.	Individuals who complete this course will be able to: - Exhibit basic knowledge of the WRAP methodology; Demonstrate a significant knowledge of the variables used in WRAP; Illustrate the ability to convert discussion/data into a WRAP score	This course will include but is not limited to thefollowing topics: - Objectives of WRAP - Office evaluation and the use of GIS data; - WRAP variables used in scoring;- Field work; - How to use the results of WRAP	FDOT environmental specialists and consultants conducting wetland evaluation studies for project development activities. Students should have experience with Florida Wetland ecosystems/wetland delineation, have knowledge of wetland functions/values, Florida wetland dependent wildlife, and be familiar with field indicators of wetland hydrology.	<input type="checkbox"/>

Course Number	Course Name	Prerequisites	Purpose	Objectives	Content	Audience	Active
BT-19-0014	Erosion And Sediment Control	None	This is a 6 hour course conducted by the Environmental Management Office. The course is designed to acquaint FDOT and Consultant Construction, Maintenance and other personnel with various erosion and sediment control techniques that can be employed during construction and maintenance. This course has 6 PDHs associated with it.	Individuals who complete this course will be able to: - Exhibit basic knowledge of erosion and sediment control techniques - Know when to apply the appropriate erosion and sediment control technique, and - know how to improvise on the job site to minimize erosion/sediment control problems	This course will include but is not limited to the following topics: - Erosion/sediment control techniques - Impacts of erosion/sediment on project costs and the environment - Standard index designs for erosion/sediment control - Legal issues in erosion/sediment control	FDOT and consultant, Environmental, Design, Construction and Maintenance personnel involved in projects where erosion/sediment control may be warranted & others that may be involved in designing or reviewing erosion/sediment control plans for an FDOT project.	<input type="checkbox"/>
BT-19-0015	Environmental Management Training (take 0040)	None	This is a three (3) day course conducted by the Environmental Management Office. This course is designed to acquaint District Project Development and Environmental staff and other FDOT personnel and consultants in the use of the PD&E Manual.	Individuals who complete this course will be able to: - Exhibit basic knowledge of the PD & E Manual; - Know how to develop a highway project in conformance with the manual; - Be able to obtain project approvals for federal and state funded projects.	This course will include but is not limited to the following topics: - The environmental process for administrative documentation Environmental and engineering document development; - How to conduct re-evaluations; How to conduct environmental analyses and document the results; - How to write environmental and engineering reports, and; How to satisfy environmental requirements for state funded projects.	FDOT Project Development and Environment personnel involved with project development and environmental analysis and others that may be involved in developing and reviewing FDOT projects	<input type="checkbox"/>

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BT-19-0016	Underground Storage Tank Removal	None	This is a one-half (1/2) day course conducted by the Environmental Management Office. This course is designed to acquaint FDOT Maintenance, Construction, Right of Way and other personnel in the proper procedures for underground storage tank (UST) removal and replacement or closure.	Individuals who complete this course will be able to: - Exhibit basic knowledge of the proper technique in UST removal; - Understand the appropriate federal and state guidelines to follow;- Be able to anticipate and correct any fieldproblems that occur, and; - Know what to do in the event of soil/water contamination.	This course will include but it not limited to thefollowing topics: - The environmental rules and regulations governing UST removal; - Environmentaland engineering procedures for proper removal; - How to conduct a "tank yank"; - How to determine if soil/water contamination exists; - How to conduct environmental analyses and document the results, and	FDOT Construction, Maintenance, Right of Way and other personnel involved with project development activities.	<input type="checkbox"/>
BT-19-0017	Traffic Noise Modeling And Abatement	BT-19-0005	Not Available	Not Available	Not Available	Not Available	<input type="checkbox"/>
BT-19-0018	Cultural Resource Management	None	This three day (8 hour/day) course was designed in response to districts request as a result of Cultural Resource QAR (1994). It is intended for District Cultural Resource Coordinators, Project Managers, and Cultural Resource Consultants.	Individuals who complete this course will:- properly apply Department policies regarding Cultural Resources- increase their knowledge of Federal and State laws and regulations concerning Cultural Resources- execute necessary Cultural Resource Documentation, including MOA's.	This course includes, but is not limited to the following topics:- Section 106 of the National Historic Preservation Act of 1966- How to complete Cultural Resource Surveys- How to complete Cultural Resource Documents, including FMSF forms, reports, and MOA's.	District Cultural Resource Coordinators District Project Managers DOT Cultural Resource Consultants	<input type="checkbox"/>

Course Number	Course Name	Prerequisites	Purpose	Objectives	Content	Audience	Active
BT-19-0019	Florida Scenic Highways Program	None	This is a 2 day course designed to educate and inform attendees of key program components and requirements for each of three phases: project eligibility, designation of a corridor, and implementation of the corridor management plan developed for the corridor.	Individuals who complete this course will: - Understand the grass roots philosophy for designating Scenic Highways in Florida; - Learn about the six intrinsic resource types that qualify a corridor for designation -Understand the three phase process for designation of a scenic highway; -Become familiar with background assessments, intrinsic resource; -Understand the importance of public participation, consensus building, and development of a community vision for the corridor; -Learn about the relationships between the State and federal programs	Program Overview; Eligibility Phase; Designation Phase; Implementation Phase; Designation Criteria; Intrinsic Resource Assessment; Protection Techniques; Funding and Promotion; National Program	Eligible to attend this course are public employees, consultants, government agency representatives, and leaders of corridor advocacy groups. Public employees should be from professional classifications in the field of Planning, PD & E or Design Engineering	<input type="checkbox"/>
BT-19-0020	Wetland Vegetation Identification	None	To enhance FDOT Environmental staff ability to identify wetland plants for wetland delineation purposes. This course has 8 PDHs associated with it.	At the conclusion of this course the attendee will be able to identify various wetland plants from field locations.	Freshwater and saltwater plants	FDOT Environmental Professionals	<input type="checkbox"/>
BT-19-0021	Wetland Delineation (state & Federal)	None	Not Available	Not Available	Not Available	Not Available	<input type="checkbox"/>
BT-19-0022	Closing The Gap In Florida's Wildlife Conservation System Training	None	Not Available	Not Available	Not Available	Not Available	<input type="checkbox"/>

Course Number	Course Name	Prerequisites	Purpose	Objectives	Content	Audience	Active
BT-19-0023	Threatened & Endangered Species Training – Field Exercises	None	To insure that FDOT remains in compliance with state and federal requirements related to listed plant and animal species. (Listed species include those which are federally listed as Endangered or Threatened or state listed as Endangered or Species of Special Concern.)	To attempt to develop an awareness and understanding of the various aspects of dealing with Florida's listed species during the transportation development process.	Varies: Combination classroom instruction and field exercises, usually conducted in part by experts from other state and federal agencies.	Not Available	<input type="checkbox"/>
BT-19-0024	Design And Construction Vegetation Training – Module A	None	Not Available	Not Available	Not Available	Not Available	<input type="checkbox"/>
BT-19-0025	Maintenance Vegetation Training – Module B	BT-19-0024	Not Available	Not Available	Not Available	Not Available	<input type="checkbox"/>
BT-19-0026	Vegetation Management At Outdoor Advertising Signs	None	This goal of this course is to minimize conflicts between vegetation management and visibility of billboards.	The objective of this course is for FDOT employees and sign industry officials to understand the statutes, rules and procedures dealing with vegetation management and billboards.	This course includes, but is not limited to the following issues affecting the visibility of sign faces, and protection of existing vegetation on the right of way: - Rule Chapter 14-40 Part III . . . Vegetation Management at Outdoor Advertising Signs - Application for Vegetation Management at Outdoor Advertising Signs - Vegetation Management plans; - Processing Applications for Vegetation Management at Outdoor Advertising Signs; - Permit for Vegetation Management at Outdoor Advertising Signs; - Enforcement.	District Outdoor Advertising staff, District Permits, District Landscape Managers, Maintenance Engineers, and others dealing with the issue of outdoor advertising signs.	<input type="checkbox"/>

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BT-19-0027	Highway Landscape Projects	None	The goal is to improve quality and value of highway landscape projects. There are 8 PDHs and/or 8 CECs associated with this course.	The objectives of this course are to teach FDOT employees, consultants, and contractors about the special conditions and considerations affecting highway landscape projects.	This course includes, but is not limited to the following issues affecting the design and construction of highway landscape projects: - Florida laws; - Funding - Outdoor Advertising; - Professional procurement services; - Landscape Plans Preparation; - Project Design and Construction... Standards, Specifications, Pay items, TSP, Basis of Estimates; - Plans review	District Project Development, Design, and Construction staff and consultants responsible for planning, design, and construction of highway landscape projects. Landscape Architects can earn 8 Continuing Education Credits.	<input checked="" type="checkbox"/>

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BT-19-0028	Roadside Vegetation For Maintenance	None	The goal of this course is to protect existing vegetation during roadway design & construction, and to improve design & construction of future plantings.	The objectives of this course are to teach FDOT employees, consultant and contractors about the special conditions and considerations affecting roadside vegetation.	This course includes, but is not limited to the following issues affecting highways beautification and the maintenance of roadside vegetation - Basic botany; - Plant types; - Plant identification; - FDACS Grades and Standards; - Plant nutrition; - Plant communities; - Structure of trees; - Climates of Florida; - Geology/Soils of the state; - Endangered plants; - Protecting existing vegetation; - Natural Regeneration of native vegetation - General Laws and regulations - Clear Zone (index 700); - Sight distance (index 546); - Grasses; - Trees and shrubs; - Wildflowers; - Herbicides; - Fertilizer Florida Highway Beautification Council Grants.	District and Central Office Maintenance employees and others concerned with roadside vegetation maintenance	<input type="checkbox"/>

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BT-19-0029	Section 4(f)	None	This 2-day (12-hour) course was designed in response to District requests following a Section 4(f) QAR and FHWA Process Review (1995). Additional requests for this training have been voiced by FDOT Districts and FHWA. It is designed to assist DEMO staff and FDOT consultants apply the requirements of 4(f) to their P, D, & Process and to complete the 4(f) Evaluations. This course has 12 PDHs associated with it.	Individuals who complete this course will: - Properly determine Section 4(f) resources. - Prepare complete Section 4(f) Documents and process these properly.	This course includes, but is not limited to the following: - Section 4(f) of the USDOT ACT. - Determination of Section 4(f) and 6(f) applicability. - Preparation and processing of Section 4(f) determinations of applicability and evaluations.	FDOT Environmental Staffs - FDOT Environmental Consultants.	<input type="checkbox"/>
BT-19-0030	Independent Assurance Inspector Earthwork Training	None	To train the Independent Assurance Inspector's Training in Earthworks.	The employee will be able to interact with the Acceptance Inspector and answer questions. They will be similar with, and follow, the policies and procedures. They will exhibit proper sampling and testing technique and observe the Acceptance Inspector's sampling and testing techniques.	Define I.A. Inspector's Responsibility Explain importance of Personal Diary; How to prepare and maintain a Project Field Book Sampling and Testing Frequency	Open to all Independent Assurance Inspectors	<input type="checkbox"/>

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BT-19-0031	NEPA Process Administration	None	This is a two to three day course that will be conducted by the Environmental Management Office. This course is designed to acquaint the student with the laws and administrative regulations that define the NEPA process.	Individuals who complete this course will: -Exhibit a basic knowledge of NEPA administrative process as defined in Part 1 of the PD&E Manual -Be familiar with the content and authority of regulations that support the process - Know how to obtain project approvals for federal and state funded projects as a result of implementing this process.	This course will include, but not limited to: -The NEPA process for administrative documentation as established in Part 1 of the PD&E Manual-Federal regulations that support the NEPA process-Case studies that pertain to the process, legal challenges, and outcomes nationally and within Florida.	FDOT Project Development and Environment personnel and consultants involved with project development and environmental analysis, and others that may be involved in developing and reviewing FDOT projects	<input type="checkbox"/>
BT-19-0032	Community Impact Assessment (CIA) Methods	None	Gain knowledge of CIA and utilize CIA methods to conduct analysis and document the results in environmental documents. Determine applications throughout the project phases of a project.	Basic knowledge of CIA in compliance with Federal regulation -Develop a plan for CIA using methods shown-Conduct CIA analysis and document the results in environmental documents	What is CIA-Where does CIA begin-CIA analysis and documenting result - Application of CIA throughout the project phases over the life of a project	FDOT Project Development and Environment personnel and consultants involved with project development and environmental analysis, and others that may be involved in developing and reviewing FDOT projects	<input type="checkbox"/>
BT-19-0033	Cultural Resource Awareness	None	To familiarize district managers and supervisors with the department's Cultural Resource Management program.	1-Define and give examples of cultural resources; 2-Determine applicability of historic preservation law to transportation projects; 3-Conform with proper department policy regarding cultural resources	1-Introduction and definition of cultural resources; 2-Program Overview (video presentation); 3-Discussion of Federal and State laws; 4-Section 106 Process; 5-Summary and Review	Managers & Supervisors	<input type="checkbox"/>

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BT-19-0034	Project Development And Environmental Manual Process	None	This 16 hour class is to acquaint District PD & E staff and other FDOT staff including consultants in the use of the PD&E Manual and its process. This course has 16 PDHs associated with it.	1. Exhibit basic knowledge of the PD&E Manual Administrative process2. Know the process to develop a highway project in conformance with the manual3. Be able to obtain project approvals for federal and state funded projects	Course includes but not limited to:-The Administrative process for environmental documentation-Env. & engineering document development-How to conduct re-evaluations-How environmental & engineering analyses is a part of the env. document-How to satisfy env. requirements for state funded projects.	District PD&E staff, including consultants	<input checked="" type="checkbox"/>
BT-19-0035	DEP Sediment And Erosion Control Instructor	None	FDOT and consultant Construction and Maintenance technicians and engineers, design engineers, environmental specialists and others.	Persons who successfully complete this class will be qualified to instruct the D.E.P. stormwater, erosion, and sediment control inspector certification class; learn how to develop, implement, and maintain a stormwater pollution prevention plan; and will pass a certification exam to demonstrate knowledge of use, installatio and maintenance of erosion, sedimentation and stormwater best management practices.	1. Erosion & sediment control 2. Soils 3. Estimating stormwater runoff 4. BMP's for erosion & sediment control 5. BMP's for stormwater management 6. BMP's - Vegetation for erosion control 7. The erosion & sediment control plan 8. Inspector and enforcement	FDOT employees and consultants who have successfully completed requirements for the D.E.P. stormwater, erosion, and sediment control INSPECTOR certification course within the past year.	<input type="checkbox"/>

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BT-19-0036	Wildlife Ecology And Transportation	None	This is eight hour course is provided by the Environmental Management Office. It is designed to acquaint employees and consultants with potential safety hazards, and demonstrate techniques being used by the Department to mitigate transportation related impacts on wildlife movement.	Attendees will become knowledgeable of and show an appreciation for Florida's Habitat diversity, problems facing wildlife and plan communities, Requirements and ethics, and associated measures.	This course will include but is not limited to: - Past/present status; Florida's habitat diversity; - Problems confronting Florida's wildlife and plantcommunitis - wildlife vs. vehicles; - Requirements, ethics, and the need to protect wildlife species; -Overview of structural and non-structural measures for reducing animal/vehicle conflicts; -Measures used to reduce Florida Panther mortalityalong I-75 and U.S. 27 corridors, and Florida Black Bear conflicts on S.R. 46, Lake County; -Monitoring effectiveness of wildlife crossings; -Measures used to reduce Key Deer conflicts on BigPineKey; - Platt Branch Mitigation Park Wildlife and Environmental Area, Highlands County	FDOT and consultant Construction and Maintenance technicians and engineers, design engineers, environmental specialists and others.	<input type="checkbox"/>

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BT-19-0037	DEP Sediment And Erosion Control Inspector	None	Attendees who successfully complete this class will become a certified erosion and sediment control inspector.	To assure a consistent level of technical expertise for individuals responsible for installing, maintaining, and inspecting sediment and erosion control best management practices.	1. BMP's for erosion & sediment control; 2. BMP's for Stormwater management; 3. BMP's vegetation for erosion control; 4. The pollution prevention plan 5. Inspecting stormwater BMP's	FDOT employees, contractors, and consultants whose job duties include development, implementation, or maintenance or construction site stormwater best management practices for erosion and sediment control. This course is a prerequisite for persons planning to become certified erosion and sediment control instructors.	<input type="checkbox"/>
BT-19-0038	Introduction To The Fl. Geographic Data Library (FGDL)	None	To familiarize participants with the FGDL, including a description and review of the information and data contained; understanding how the data is organized; and how to retrieve, display, and use the information to generate maps or reports. The course will also explain basic GIS concepts and skills using ArcView software. This course has 28 PDHs associated with it.	Individuals who complete this course will understand the information contained in the FGDL, the benefits of the FGDL to their work, how to access the FGDL data, and obtain basic instruction on GIS and ArcView needed for using the FGDL.	Introduction to GIS concepts, introduction to ArcView, introduction to FGDL, use of FGDL data, use of FGDL applications, generating maps and reports with FGDL data and applications.	Candidates need to obtain and utilize geographic information and data in the performance of their job.	<input checked="" type="checkbox"/>

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BT-19-0041	Part 2, Chapter 9 Sociocultural Effects Evaluation	None	Evaluate, address and document the sociocultural effects of a transportation action on communities and their quality of life throughout all phases of project development, from planning through construction.	At the conclusion of the course the trainee will: describe the role of sociocultural effects on communities in all phases of project develop; conduct a sociocultural effects evaluation concerning a transportation action; properly document the sociocultural effects evaluation in environmental documents; and, ensure department compliance with appropriate laws, rules and regulations concerning the sociocultural effects of transportation projects.	This course includes, but is not limited to the following topics: what is sociocultural effects evaluation (SCEE); identifying affected communities and community characteristics; analyzing project impacts in all phases of project development; identifying mitigation alternatives and document findings; integrating sociocultural effects evaluation with the ETDM process; complying with appropriate laws, rules and regulations; and, using sociocultural effects evaluation toll and techniques.	FDOT staff involved in evaluating the effects of a transportation action on communities and their quality of life. The staff of Metropolitan Planning Organizations (MPO), other agencies and private consulting firms may attend on a space-available basis.	<input checked="" type="checkbox"/>

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BT-19-0042	General Public Involvement Training	None	To improve the public involvement skills of FDOT staff in all phases of project development.	At the conclusion of this course the trainee will: Understand legal and department requirements of public involvement (PI); Identify stakeholders; Define community context; Create an effective public participation plan; Define individual role in the public involvement process; Create effective public involvement/outreach methods and strategies; Disseminate information; Document activities and comments; Articulate the benefits of the PI process; Evaluate and adapt PI strategies and techniques throughout the project.	This course includes, but is not limited to the following topics: What is public involvement; Public involvement rules, regulations and policy; Who is responsible for public involvement?; Who is your public?; Public involvement in Project Phases; Public involvement and ETDM; How to write public involvement plan; Responding to public comments; Documenting and evaluating public involvement activities; and, Public involvement tools and techniques.	This course is designed as an overview of general techniques and strategies for implementing public involvement strategies across all phases of the transportation planning process. The course participants (30-40participants) should be comprised of multiple disciplines throughout the Florida Department of Transportation, project consultants and individuals serving in project advisory another multi-disciplinary team roles.	<input checked="" type="checkbox"/>
BT-19-0043	ETDM Process And Project Development	None	To assist participants in the ETDM Process	At the conclusion of this course the trainee will:exhibit basic knowledge of the ETDM Manual; develop a transportation project in conformance with the ETDM Manual; Comply with the National Environmental Policy Act; and, obtain project approvals for federal and state-funded projects.	This course includes, but is not limited to the following topics: The administrative process for environmental documentation; Environmentalplanning and engineering document development; How environmental, planning and engineering analysis are part of the environmental document; How to satisfy environmental requirements for state-funded projects; and, How to conduct reevaluations	FDOT, MPOs, and other agency personnel involved inthe transportati decision making process, plus consultants.	<input type="checkbox"/>

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BT-19-0044	Overview Of SCE And Public Involvement	None	The course was developed to evaluate the impacts of a transportation project on a community and its quality of life through the use of analytical tool tools and public involvement.	The participant will learn the theory, methods, and techniques for acquiring and using quantitative and qualitative community data to make effective decisions concerning the social, economic, land use, mobility, aesthetics and relocation effects potentially associated with transportation projects.	This course includes but is not limited to: SCE evaluation and its benefits; Public Involvement Practices; Defining communities; Data availability, collection and evaluation; Developing a Community Characteristics Inventory (CCI); Identifying issues and determining effects; Resolving consequences of transportation actions.	Individuals involved in evaluating the effects of a transportation project on a community and its quality of life. The audience includes: Efficient Transportation Decision Making(ETDM) Coordinators, Community Liaison Coordinators (CLC), Public Involvement Specialists, Public Information Officers, and Project Managers.	<input type="checkbox"/>
BT-19-0045	ETDM Overview	None	This course was developed to assist participants in the new Efficient Transportation Decision Making (ETDM) Process. This course has 8 PDHs associated with it.	At the conclusion of this course the trainee will: use the ETDM Process, exhibit basic knowledge of the ETDM Manual; and develop future transportation projects in conformance with the ETDM Manual.	This course is an overview of the ETDM Process and includes, but is not limited to the following topics: an understanding of the six chapters of the ETDM Manual; the administrative process for documentation; how the Planning and Programming Screening events are accomplished; development of planning and engineering documents; and development and use of summary reports.	FDOT, MPOs, and other agency personnel involved in the transportation decision making process.	<input checked="" type="checkbox"/>

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BT-19-0046	Highway Traffic Noise For Designers	None	The FDOT Environmental Management Office has been delivering FDOT course BT-19-0005, Traffic Noise Analysis, for many years and has determined that a course of similar content tailored specifically for designers was needed. Highway traffic noise is considered unwanted sound by many people living near highways since it can interfere with speech, sleep, work, or recreational activities. As part of the process to minimize traffic noise impacts, designers and project managers need to have an understanding of how traffic noise impacts people and how the design of a highway project can reduce that impact. This course has 16 PDHs associated with it.	Recognize the basic attributes of traffic noise and terminology Describe the basic requirements of state and federal regulations related to highway noise abatement Determine when noise abatement is reasonable and feasible Evaluate options for traffic noise impact mitigation Have an understanding of the FDOT sound barrier design standards Be knowledgeable of the public involvement process required for a successful noise mitigation design Recognize how to design a project to minimize construction noise impacts.	Fundamentals of noise Federal and state laws, rules, regulations and policies Noise study during PD&E Traffic noise assessment during design Public Involvement process during design related to traffic noise Role of design team in traffic noise abatement Designing a noise barrier Getting the barrier through construction	Designers, Design Project Managers	<input checked="" type="checkbox"/>

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