

# Environmental Training for Florida Turnpike Enterprise

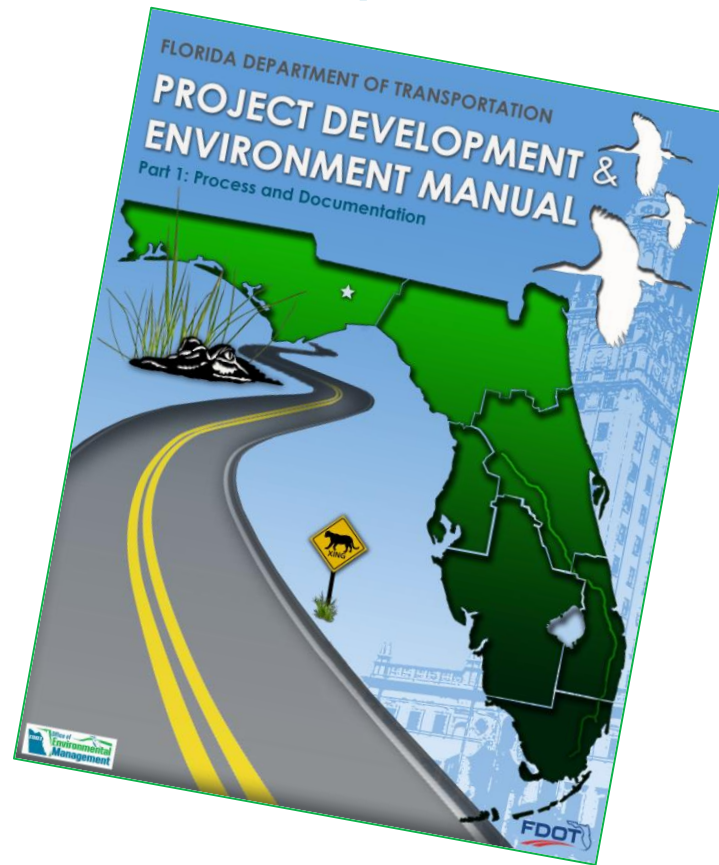
Purpose and Need



*August 2020*

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 December 14, 2016 executed by FHWA and FDOT.

# Project Description and Purpose and Need



## Part 2 Chapter 1

<https://www.fdot.gov/environment/pubs/pdeman/pdeman-current>

# Project Description

- Developed through the planning process
- Documented during ETDM process
- Includes:
  - Existing facility or existing conditions
  - Project limits (length and logical termini)
  - Project location
  - Proposed improvements (mode, typical section features, facility type, multi-modal features, major structures)
  - Pedestrian and bicycle accommodation
  - Navigational needs (federally-aided projects involving bridges over waters)



# Logical Termini

- Completed during the planning process
- Finalized through the ETDM screening
- Rational beginning and end points for a transportation project
- Serves as the basis for the area of potential effect for environmental issues/resources to be evaluated during the PD&E study



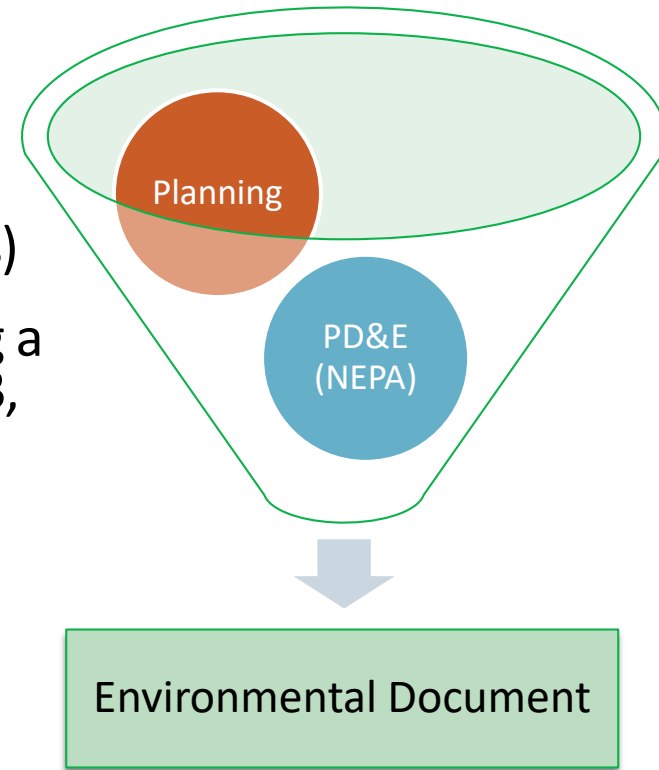
# Alternatives Developed for CE, EA or EIS

1. Connect logical termini and be of sufficient length to address environmental matters on a broad scope.
2. Have independent utility or independent significance (i.e., be usable and be a reasonable expenditure even if no additional transportation improvements in the area are made).
3. Not restrict consideration of alternatives for other reasonably foreseeable transportation improvements.

23 CFR § 771.111(f)

# Purpose and Need

- Basis for developing, considering, evaluating, and eliminating alternatives
  - EIS: reasonable range of alternatives
  - Other COAs: identification of the build alternative(s)
- Assists in evaluating project alternatives and selecting a preferred alternative (PD&E Manual Part 2, Chapter 3, Engineering Analysis).
- FDOT and planning agencies (MPO, TPO) identify transportation needs during the development of transportation plans
- May be refined during the PD&E Study if new information or needs are identified.
  - OEM must agree to the proposed changes before they can be incorporated into the Environmental Document.



# Purpose

- The purpose identifies the primary goals of the project
- Guides the alternatives that will be considered and developed in response to the established need.
- Should not be so broad that it encompasses every possible alternative
- Should not be so narrow as to preclude a range of alternatives

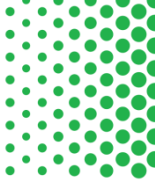
# Need

- Arise from deficiencies, issues, concerns within the project area
  - Existing or expected to occur
- Discussion of the need:
  1. Project Status
  2. System Linkage
  3. Capacity
  4. Transportation Demand
  5. Legislation
  6. Social Demands or Economic Development
  7. Modal Interrelationships
  8. Safety
  9. Roadway Deficiencies



# Purpose and Need During PD&E

1. Statement of the transportation problem
  - a. Not a statement of a solution such as specific project alternatives
2. Based on articulated planning factors and developed through a planning process
3. Specific enough so that the range of alternatives developed will offer real potential for solutions to the transportation problem
4. Not so narrow in definition or so specific as to pre-determine a solution
5. May reflect other priorities and limitations in the area, such as environmental resources, growth management, land use planning, and economic development
6. Not list specific design criteria or standards to be met by the project.
  - a. Arise from deficiencies, issues, concerns within the project area



Thank you