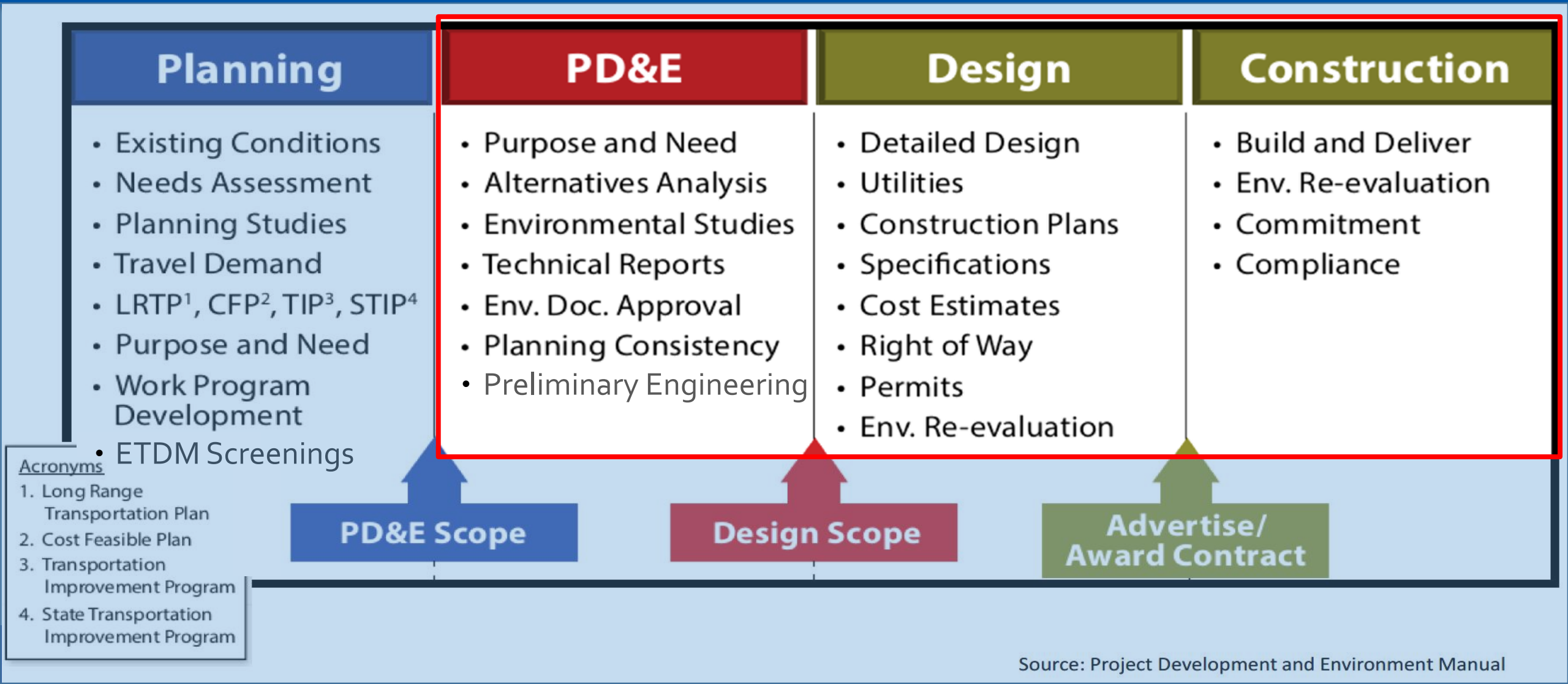
# Project Development Process

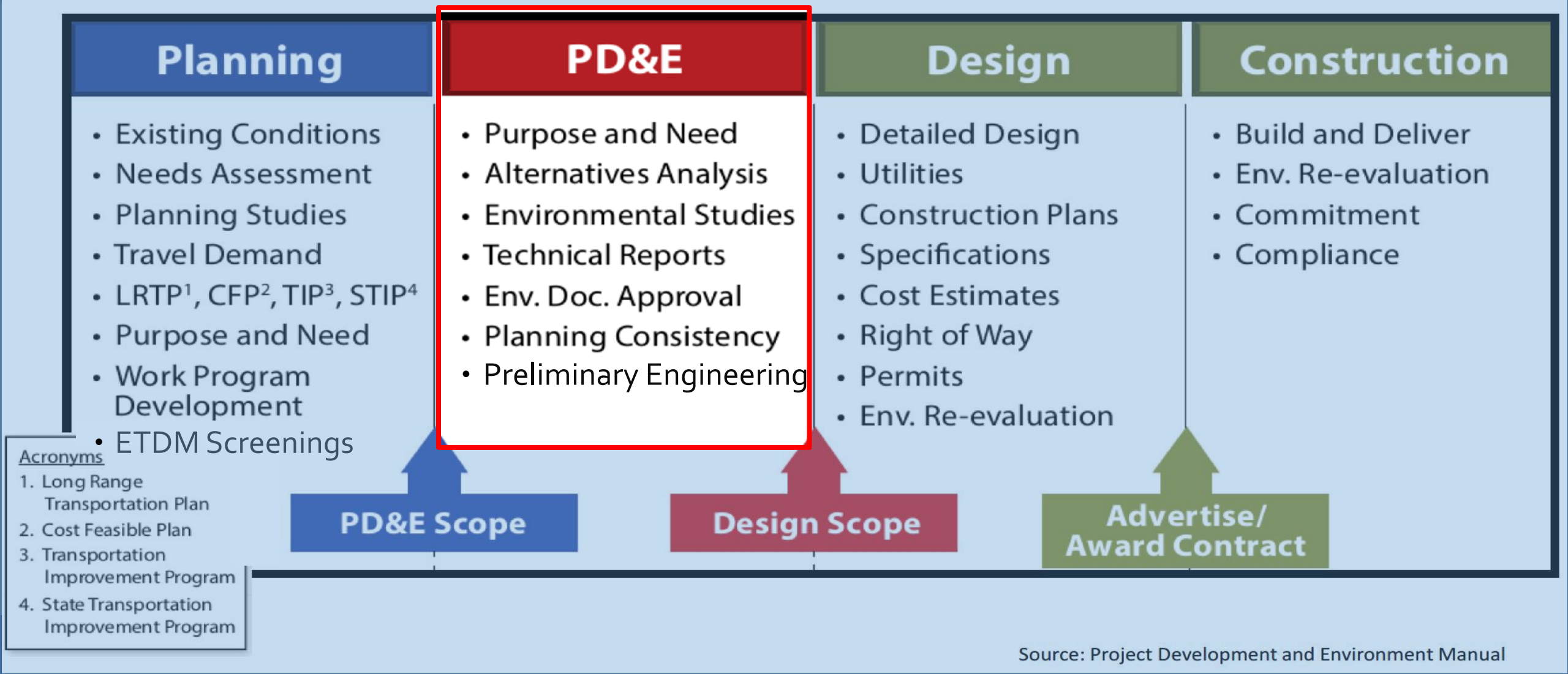
## PD&E, Design and Construction

# Project Life Cycle




Source: Project Development and Environment Manual

# Project Life Cycle




Source: Project Development and Environment Manual

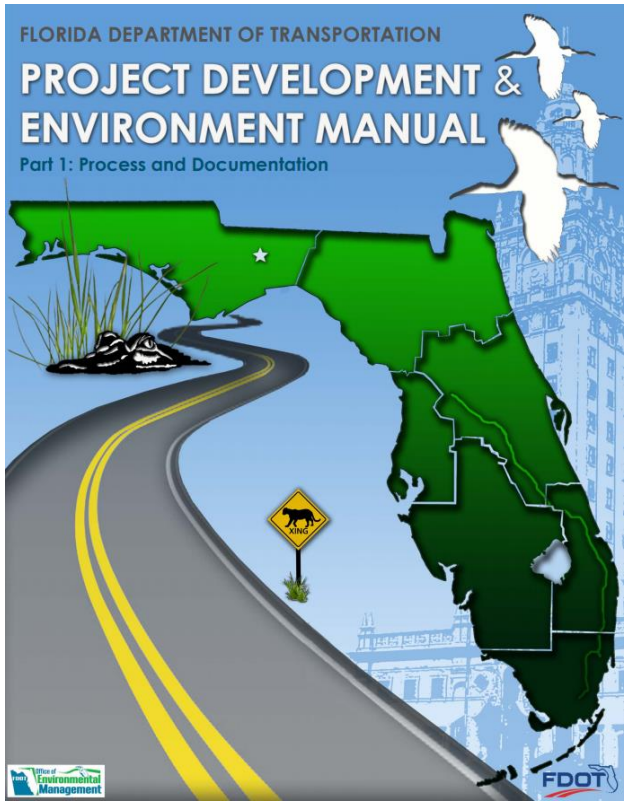
# PD&E Development Process

## Efficient Transportation Decision Making (ETDM)

- Purpose and Need
- Advanced Notification
- Elimination of Alternatives
- Class of Action – Scope of PD&E Study

## Project Development & Environment (PD&E) Processes:

- Develop Alternatives
- Environmental Studies (species, wetlands, socio-cultural)
- Technical Studies (traffic, pond siting, noise, contamination)
- Public Involvement
- Selection of Preferred Alternative
- Environmental Documents/Preliminary Engineering Plans
- Location and Design Concept Acceptance (LDCA)



# PD&E Development Process

## Classes of Action – Federal Projects

### Class I: Environmental Impact Statement (EIS) – 5 years

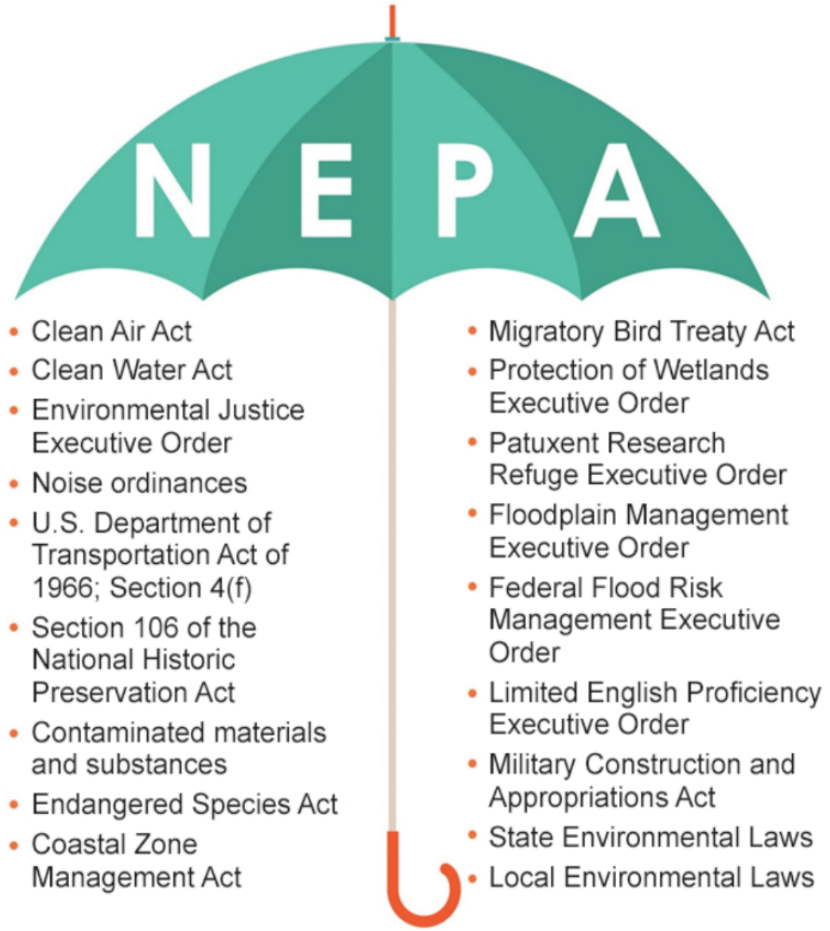
- Projects anticipated to have significant impacts
- Draft EIS, Final EIS, Record of Decision
- Final EIS and ROD should be combined

### Class II: Categorical Exclusions (CE) – 1.5 to 2 years

- Projects without significant impacts, excluded from requirement to prepare EA or EIS
- Type 1: Fits within a low-impact threshold checklist of project types
- Type 2: Non-significant impacts that need further explanation

### Class III: Environmental Assessment (EA) – 3 to 4 years

- Projects where significance of impacts is unknown
- Results in either a Finding of No Significant Impact (FONSI) or EIS



# PD&E Development Process

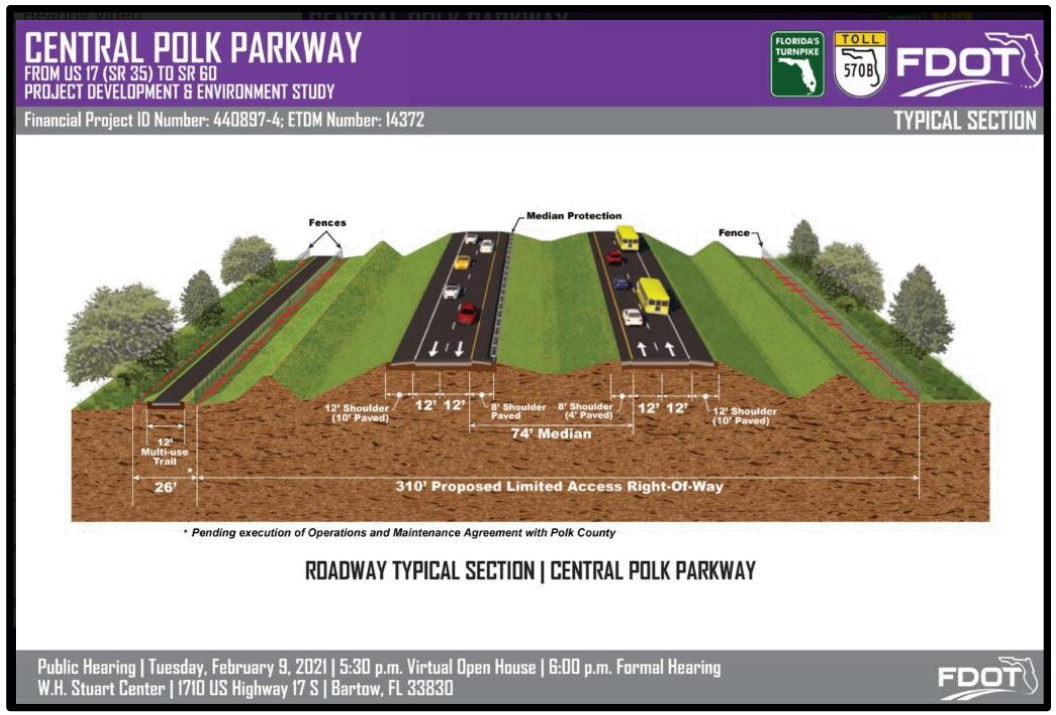
## Classes of Action – State Projects

### State Environmental Impact Statement (SEIR) – 1.5 to 5 years

- Projects anticipated to have significant impacts, or
- Projects where significance of impacts is unknown, or
- Projects with non-significant impacts that need further explanation
- All Result in a SEIR with varying levels of documentation

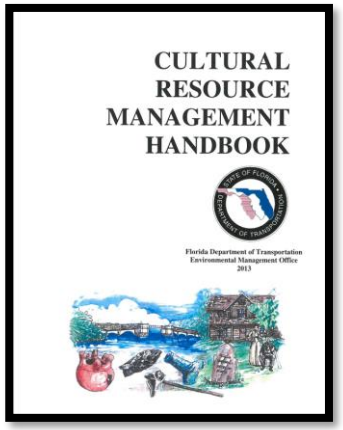
### Non-Major State Action (NMSA)

- Fits within a low-impact threshold checklist of project types

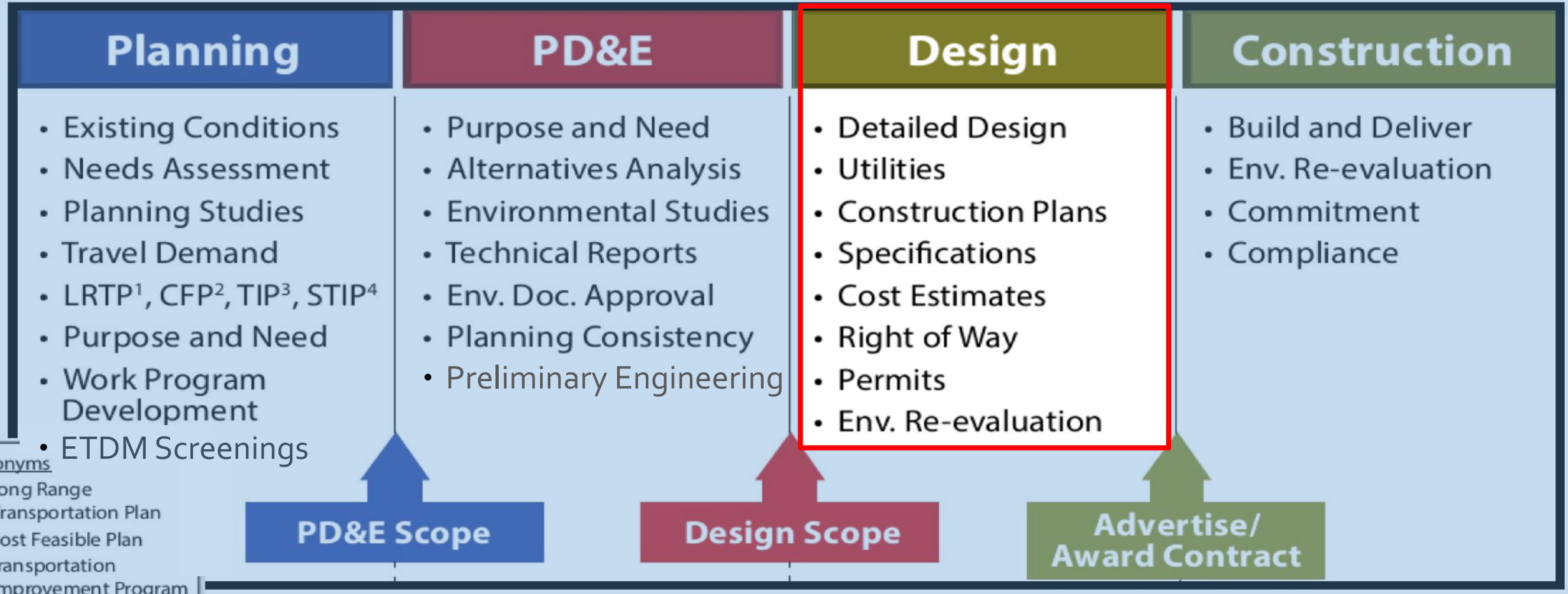


# PD&E Development Process - Products

- Project Traffic Analysis Report
- Typical Section Package
- Intersection Control Evaluation (if Applicable)
- Public Involvement
- Conceptual Plans
- Bridge Replacement Report
- Natural Resource Evaluation
- Section 4(f) Evaluation Report
- Sociocultural Effects (SCE) Evaluation
- Conceptual Stage Relocation Plan
- Noise Study Report
- Air Quality Technical Memorandum
- Water Quality Impact Evaluation Checklist
- Location Hydraulics Report
- Preliminary Stormwater Design/Pond Siting Report
- Contamination Screening Evaluation Report
- Cultural Resource Assessment Survey
- Preliminary Plans with ROW
- Comments and Coordination Report
- Utility Assessment Technical Memorandum
- Conceptual Transportation Management Plan
- Draft Bridge Hydraulic Report
- Preliminary Scour Analysis
- Value Engineering Study Report
- Design Exceptions/Variation Package
- Project Commitment Record
- **Environmental Documents (Type 2 CE, EA, EIS)**
- **Preliminary Engineering Report**




# Project Life Cycle



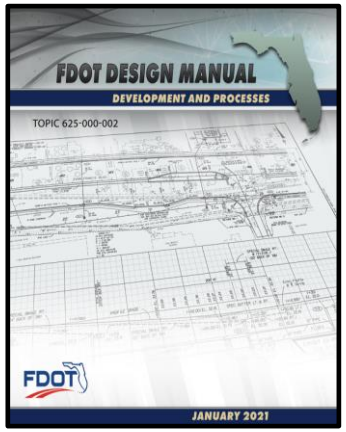

Acronyms
1. Long Range Transportation Plan
2. Cost Feasible Plan
3. Transportation Improvement Program
4. State Transportation Improvement Program

Source: Project Development and Environment Manual

# Design Development Process

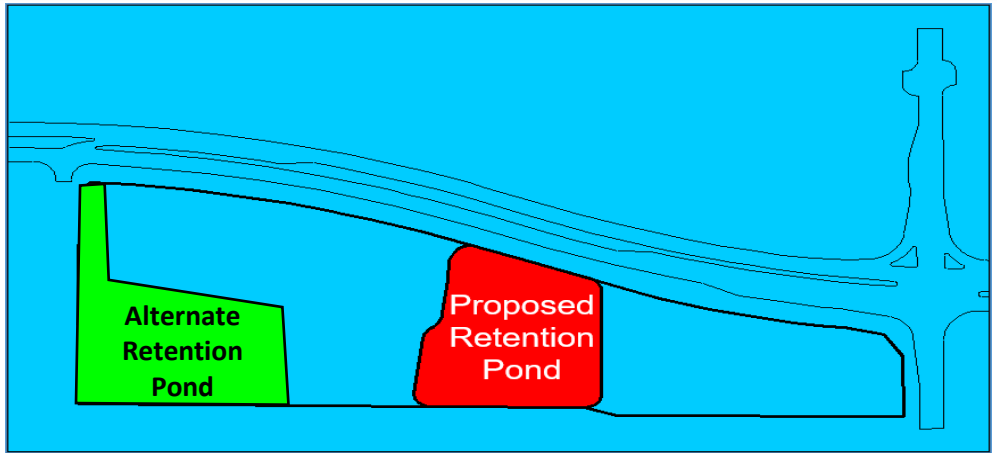
## Key Processes:

- Initial Engineering
  - Phase 1 – Phase 2 Plans Submittals
  - Plans & Maps developed to initiate ROW acquisition process
- Final Engineering
  - Phase 3 – Phase 4 Plans Submittals
  - Plans & Specs developed into Construction Contract Documents

# Right of Way Acquisition Process

## Key Processes:



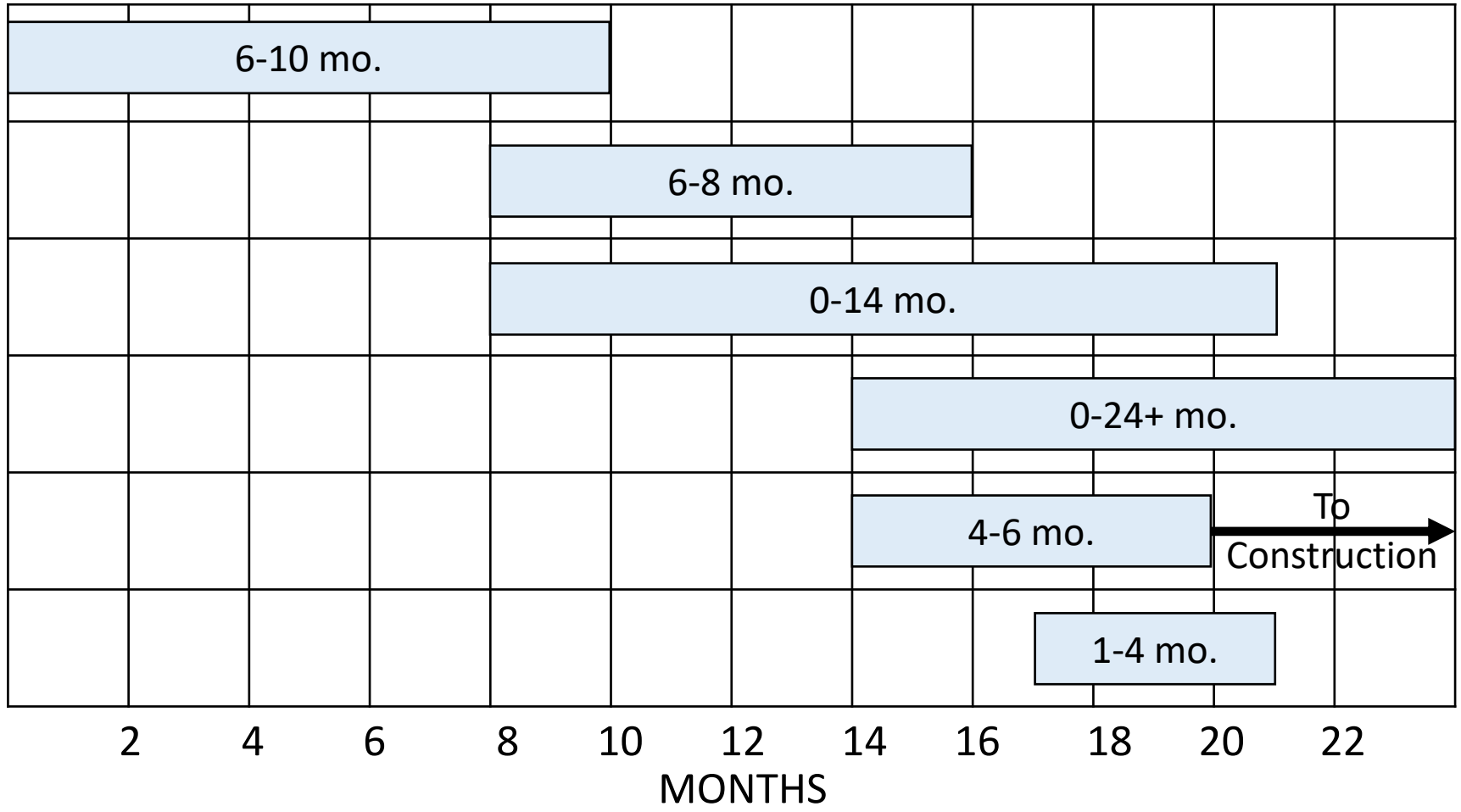

- Appraisal - value established
- Negotiation - good faith offer
- Relocation/replacement options determined and offered
- Eminent Domain - court action to acquire title
- Order of Taking (OT) - clear title passed to DOT
- Property Management - clear ROW

**Once OT has occurred, the project is ready to go to construction**

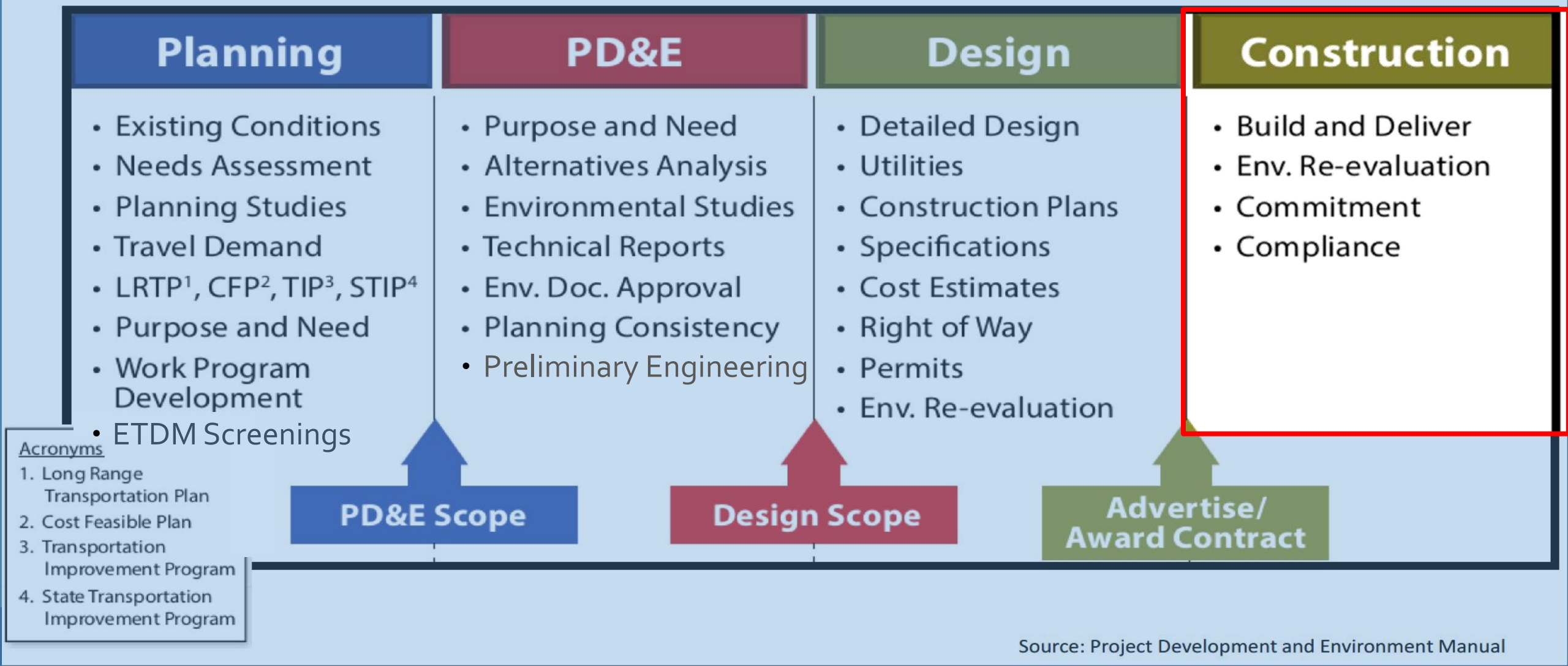
# Right of Way Acquisition Process

## Right of Way

- Appraisal
- Negotiation/Closing
- Relocation
- Eminent Domain
- Order of Taking (Title)
- Property Management



# Project Life Cycle




Source: Project Development and Environment Manual

# Design-Build Development Process

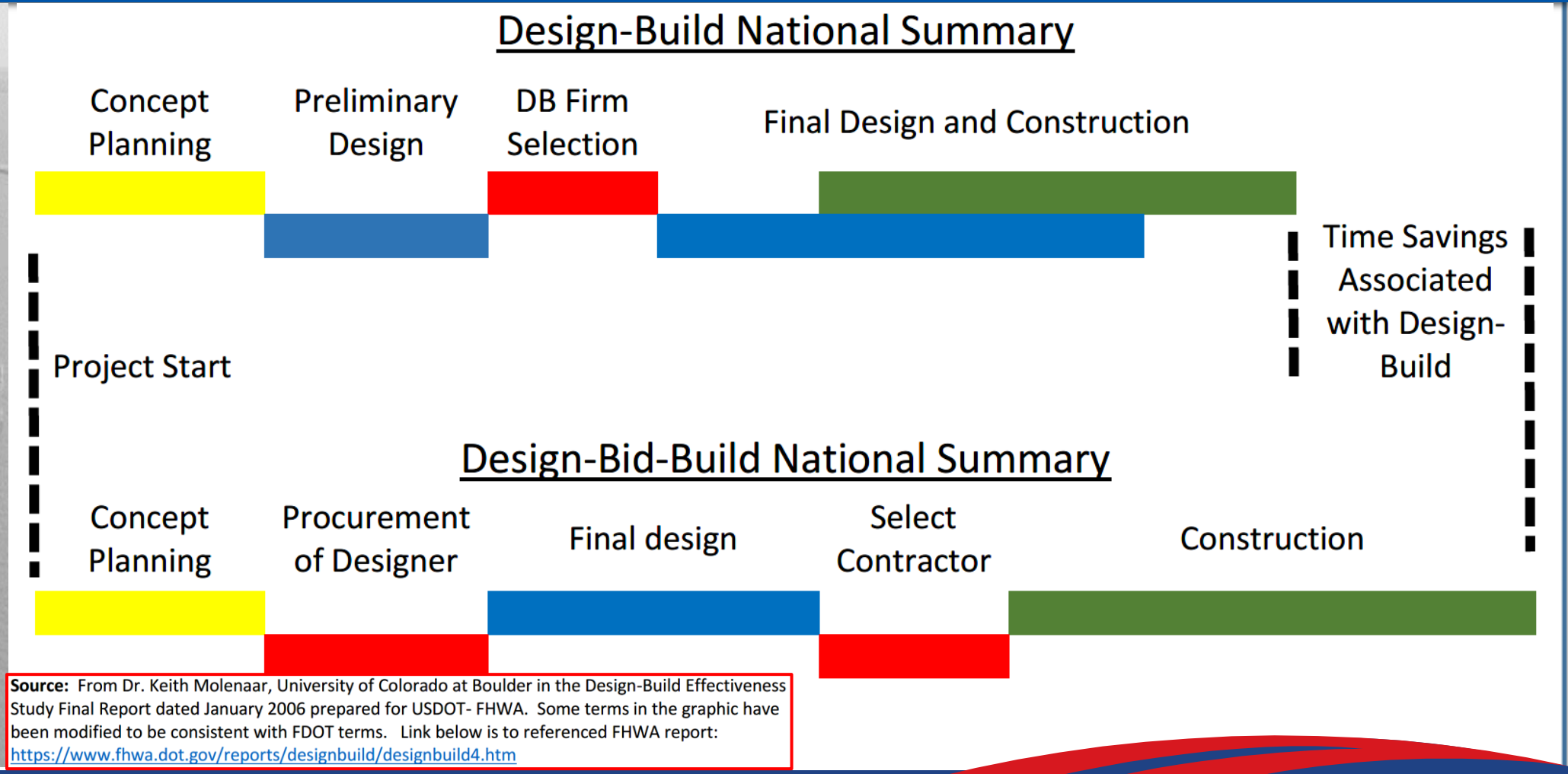
## Key FDOT Processes before Design-Build:

- Preliminary Design Complete (FDOT)
- Right of Way Acquisition (FDOT)

## Key Design-Build Processes:

- Request for Proposal (RFP)
- D-B Firm Selection
- Final Design & Construction

# Design-Build vs. Design-Bid-Build




**Source:** From Dr. Keith Molenaar, University of Colorado at Boulder in the Design-Build Effectiveness Study Final Report dated January 2006 prepared for USDOT- FHWA. Some terms in the graphic have been modified to be consistent with FDOT terms. Link below is to referenced FHWA report: https://www.fhwa.dot.gov/reports/designbuild/designbuild4.htm

# NO text.

# NO call.

# NOTHING

is worth losing a life over.

# Questions?