Project Development Process

PD&E, Design and Construction



FDOT

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	Planning	PD&E	Design	Construction
	 Existing Conditions Needs Assessment Planning Studies Travel Demand LRTP¹, CFP², TIP³, STIP⁴ Purpose and Need Work Program Development 	 Purpose and Need Alternatives Analysis Environmental Studies Technical Reports Env. Doc. Approval Planning Consistency Preliminary Engineering 	 Detailed Design Utilities Construction Plans Specifications Cost Estimates Right of Way Permits Env. Re-evaluation 	 Build and Deliver Env. Re-evaluation Commitment Compliance
 Acronyms ETDM Screenings Long Range Transportation Plan Cost Feasible Plan Transportation Improvement Program State Transportation Improvement Program 		Scope Design	Scope Adve Award C	rtise/ Contract

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	Planning	PD&E	Design	Construction	
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PD&E Development Process

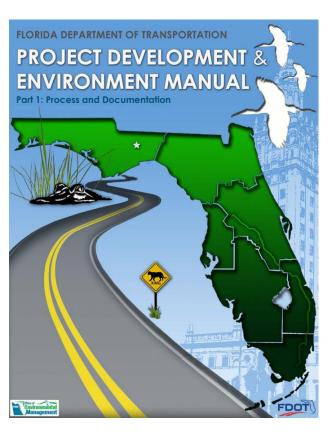
Efficient Transportation Decision Making (ETDM)

- 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



- Clean Air Act
- Clean Water Act
- Environmental Justice
 Executive Order
- Noise ordinances
- U.S. Department of Transportation Act of 1966; Section 4(f)
- Section 106 of the National Historic Preservation Act
- Contaminated materials and substances
- Endangered Species Act
- Coastal Zone Management Act

- Migratory Bird Treaty Act
- Protection of Wetlands Executive Order
- Patuxent Research Refuge Executive Order
- Floodplain Management Executive Order
- Federal Flood Risk Management Executive Order
- Limited English Proficiency Executive Order
- Military Construction and Appropriations Act
- State Environmental Laws
- Local Environmental Laws



PD&E Development Process

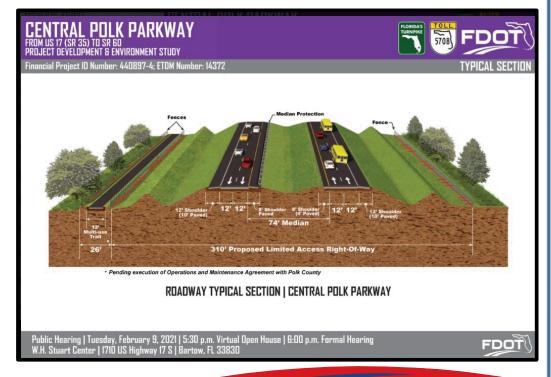
Classes of Action – State Projects

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



- 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



CULTURAL RESOURCE

MANAGEMENT HANDBOOK



Planning	PD&E	Design	Construction
 Existing Conditions Needs Assessment Planning Studies Travel Demand LRTP¹, CFP², TIP³, STIP⁴ Purpose and Need Work Program Development 	 Purpose and Need Alternatives Analysis Environmental Studies Technical Reports Env. Doc. Approval Planning Consistency Preliminary Engineering 	 Detailed Design Utilities Construction Plans Specifications Cost Estimates Right of Way Permits Env. Re-evaluation 	 Build and Deliver Env. Re-evaluation Commitment Compliance
• ETDM Screenings Acronyms 1. Long Range Transportation Plan 2. Cost Feasible Plan 3. Transportation Improvement Program 4. State Transportation Improvement Program	Scope Design		ertise/ Contract

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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

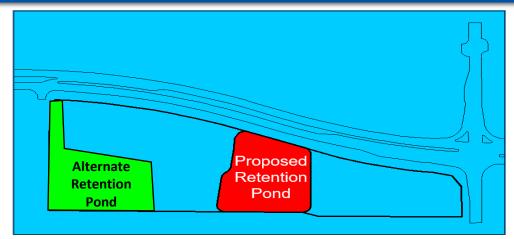




Right of Way Acquisition Process

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

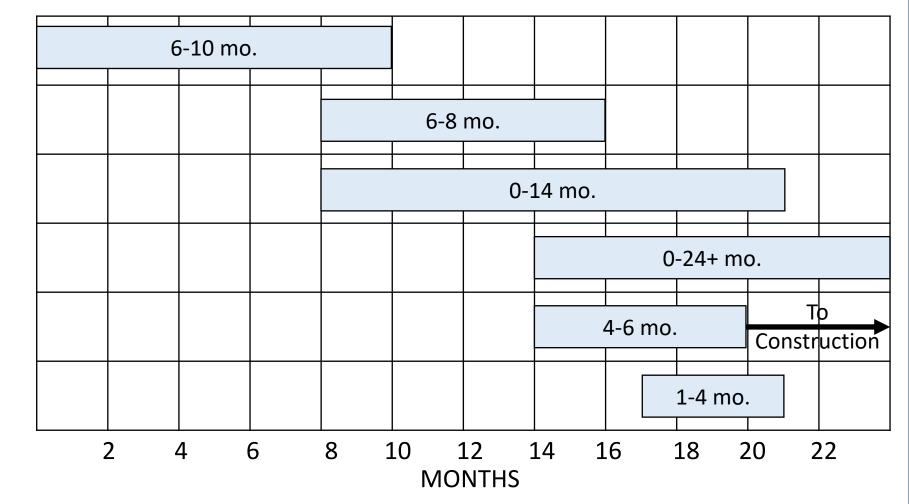
Relocation

•Eminent Domain

•Order of Taking (Title)

•Property Management





Planning	PD&E	Design	Construction	
 Existing Condition Needs Assessment Planning Studien Travel Demand LRTP¹, CFP², TIP³ Purpose and Neither Work Program Development 	ent s Alternatives Analys • Environmental Stu • Technical Reports • Env. Doc. Approval • Planning Consister • Preliminary Engine	 sis Outilities Outilities Construction Plans Specifications Cost Estimates Note and the set of Way 	 Build and Deliver Env. Re-evaluation Commitment Compliance 	
 ETDM Screenings Long Range Transportation Plan Cost Feasible Plan Transportation Improvement Program State Transportation Improvement Program 				

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

