



Florida Department of
TRANSPORTATION



Florida's Turnpike Enterprise

Best Practices

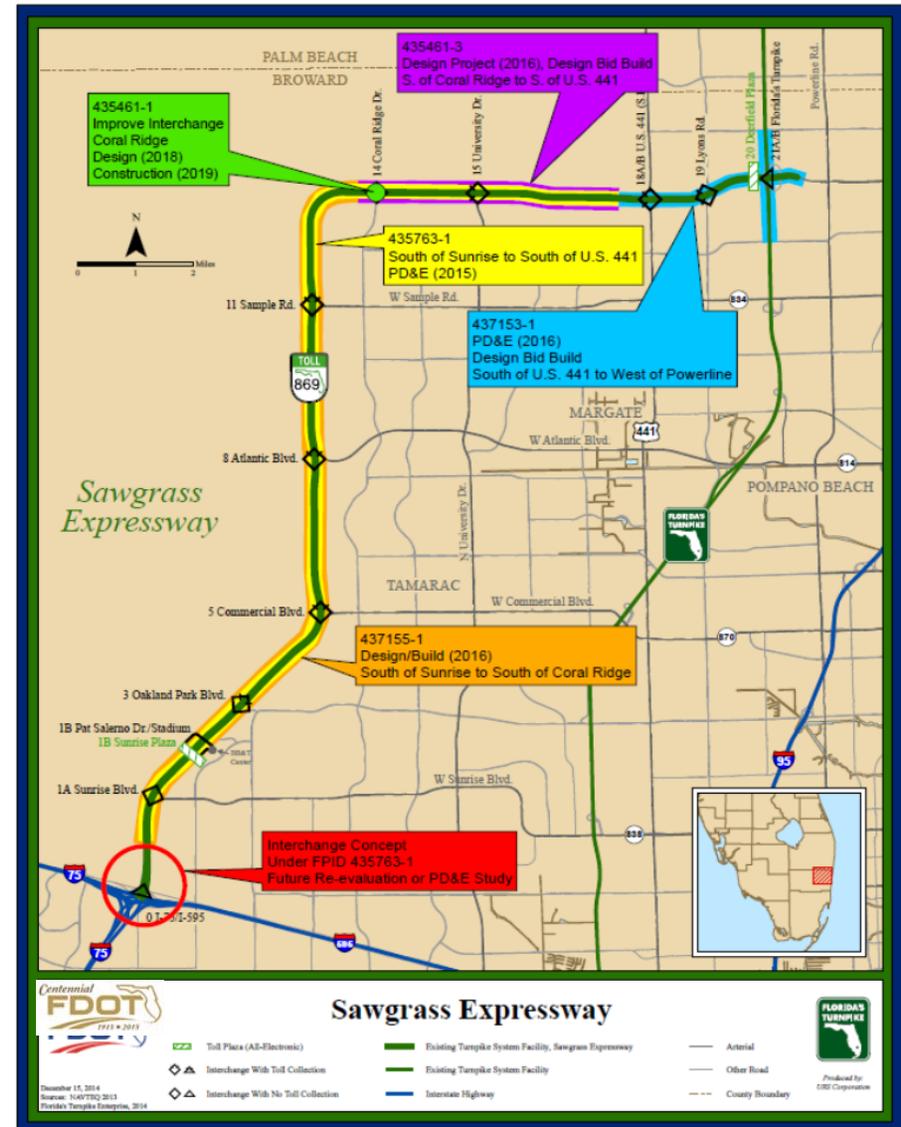
Central EMO Training
June 2015

Scoping of Project

- Traffic Collection
 - Collection of data at tolling points, T&R Consultant
 - Need for improvements
 - Prioritized areas
 - Mainline, additional lanes (Express Lanes)
 - Interchanges – Operational and capacity needs
- Multi-Discipline Meetings
 - Multiple discipline input – Production, Construction, Traffic, Maintenance
 - Discuss limits, segments & alternatives
 - Specific area features – utilities, adjacent projects

Sawgrass Corridor, Multiple Projects–Example

- 2 PD&E Studies
- Interchange Concept/
Evaluation at I-75/I-595
- Future Projects
 - 1-Design/Build Project
 - 2-Design/Bid/Build Projects



Tech Panel Meetings & Information

- Hold Technical Panel Session
 - After Planned Ad, before Formal Ad
 - Individual Firm/Team Sessions
 - Turnpike attendees –
 - TRC Members
 - Project Manager
 - Professional Services Representative
 - Disciplines requested by firms
 - Handouts – Ad, Information Sheet, Project Map

Tech Panel Meetings & Information

- Provide Information:
 - Project Description
 - Mainline Alternatives (3+1, 3+2, 2+2)
 - Interchange Alternatives (Sketch level & refined)
 - Schedule – Accelerated Schedule
 - Alternatives in 6 months

Handout for Tech Panel Meetings – Example

- I. **CONTRACTUAL SERVICES INFORMATION - (PSU Staff/Program Mgmt)**
 - a. **Two Step Selection - Letters Of Responses (LOR) and Oral Presentation**
 - i. Will require submittal of resume packet, information provided in RFP.
 - ii. Presentations shall be project specific.
 - iii. Max. 30 min for Presentation followed by 30 minutes of Q&A.
 - iv. Contact PSU as noted in Ad, Deborah Goodness for Contractual Services specific questions.
- II. **FTE PM, FTE STAFF & CONSULTANT INTRODUCTIONS**
- III. **PRESENT TECHNICAL REVIEW COMMITTEE MEMBERS**
- IV. **PROVIDE BRIEF PROJECT DESCRIPTION**
 - a. **Project Location Map with Projects**
 - b. **Mainline Alternatives**
 - i. 3 General Use Lanes & 2 Express Lanes in each direction
 - ii. 3 General Use Lanes & 1 Express Lanes in each direction
 - iii. 2 General Use Lanes & 2 Express Lanes in each direction
 - c. **Interchanges to be evaluated (Sketch Level Alternatives, Max 3 Build Alternatives at each location)**
 - i. Sunrise Boulevard
 - ii. Pat Salerno Drive
 - iii. Oakland Park Boulevard
 - iv. Commercial Boulevard
 - v. Atlantic Boulevard
 - vi. Sample Road
 - vii. Coral Ridge Drive (1 alternative to be DDI- from Concept Report, FPID 435461-1)
 - viii. University Drive
 - d. **I-595/I-75/Sawgrass Expressway Interchange Concept**
 - i. Connect express lanes on I-595 and I-75 to the express lanes on Sawgrass
 - ii. Coordination with Turnpike and FDOT, District 4
 - iii. Future separate PD&E study or Reevaluation of an existing study (Optional Service or separate contract)
 - e. **Tolling Concept**
 - i. Coordination with Tolls & Finance for proposed tolling points
 - ii. Address tolling equity/inequity & Express Lanes

- f. **Coordination with Future PD&E (FY 2016)**
 - i. FPID 437153-1, PD&E Study for Widening the Sawgrass (SR 869) from south of US 441 (SR 7) to west of Powerline Road,
 - ii. Need consistency and continuity
- g. **Future Possible Optional Services**
 - i. Reevaluation of previous PD&E studies (I-595/I-75 interchange or others locations)
 - ii. Design or Design/Build Criteria Package for sections of the Sawgrass
- h. **Traffic- 2014 Turnpike Traffic Trends Report (Needs)**
 - i. Widen from I-75/I-595 to Commercial (MP 0 to 5), 6 to 8 lanes, Needed 2020
 - ii. Widen from University to Lyons (MP 15 to 19), 6 to 8 lanes, Needed 2025
 - iii. Interchange Improvement Needs (In order of Need)
 - 1. MP 1, Sunrise Boulevard
 - 2. MP 18, US 441 (SR 7)
 - 3. MP 8, Atlantic Boulevard
 - 4. MP 5, Commercial Boulevard
- i. **Previous PD&E Studies**
 - i. FPID 232352-1, Sawgrass Widening from Sunrise to Atlantic (4 to 6 lanes)
 - ii. FPID 406153-1, Sawgrass Widening, form Atlantic to Florida's Turnpike (4 to 6 lanes)
- V. **Additional Information:**
 - a. **Aggressive Project Schedule**
 - b. **Request for additional Project Information:**
 - i. Contact - Stephanie Maldonado
PHONE (407) 264-3171
Stephanie.Maldonado@dot.state.fl.us
- VI. **OPEN TO CONSULTANT**

Handout for Tech Panel Meetings – Example



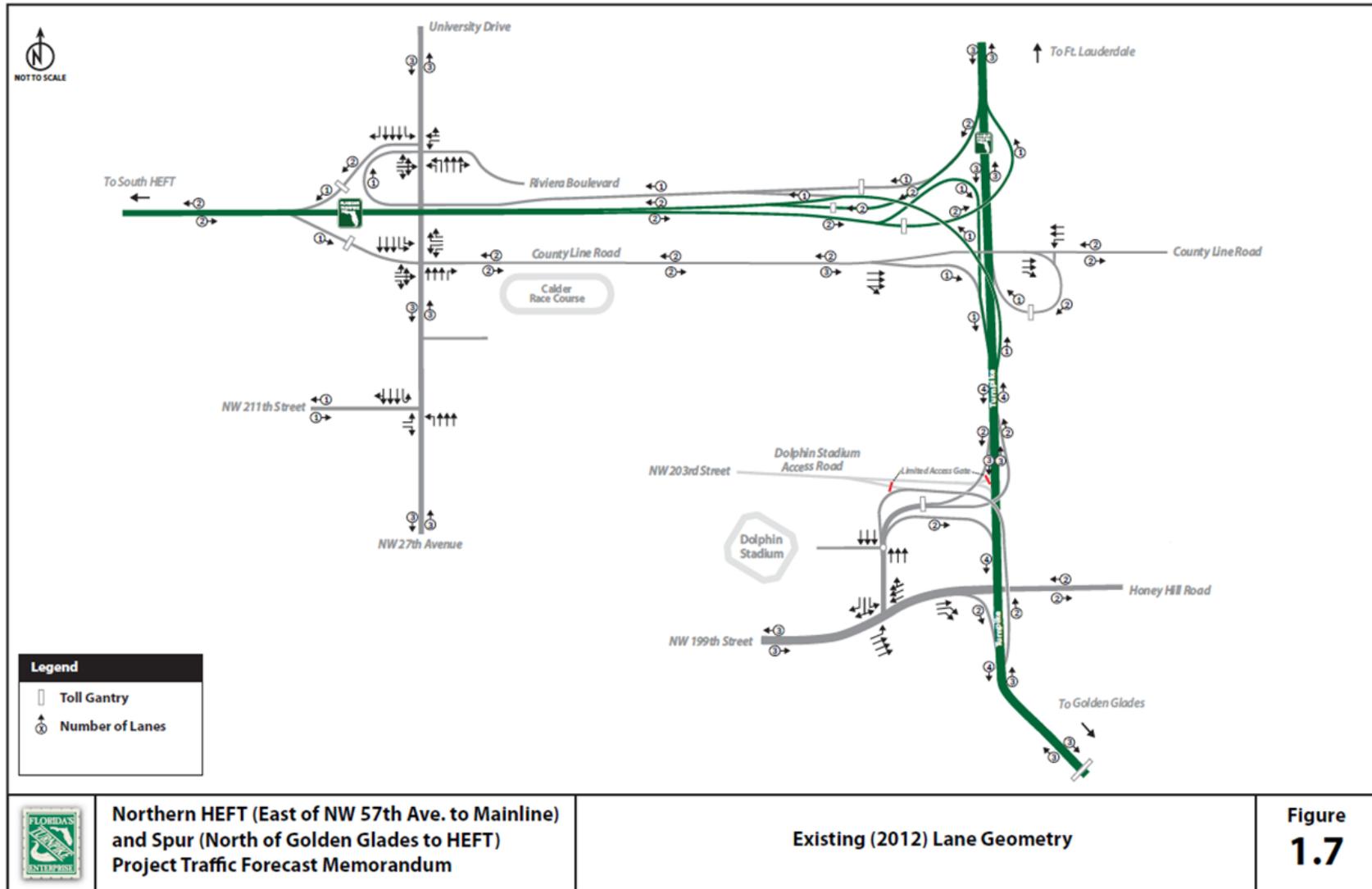
Sketch Level Alternative Development – Example

Turnpike/Turnpike extension

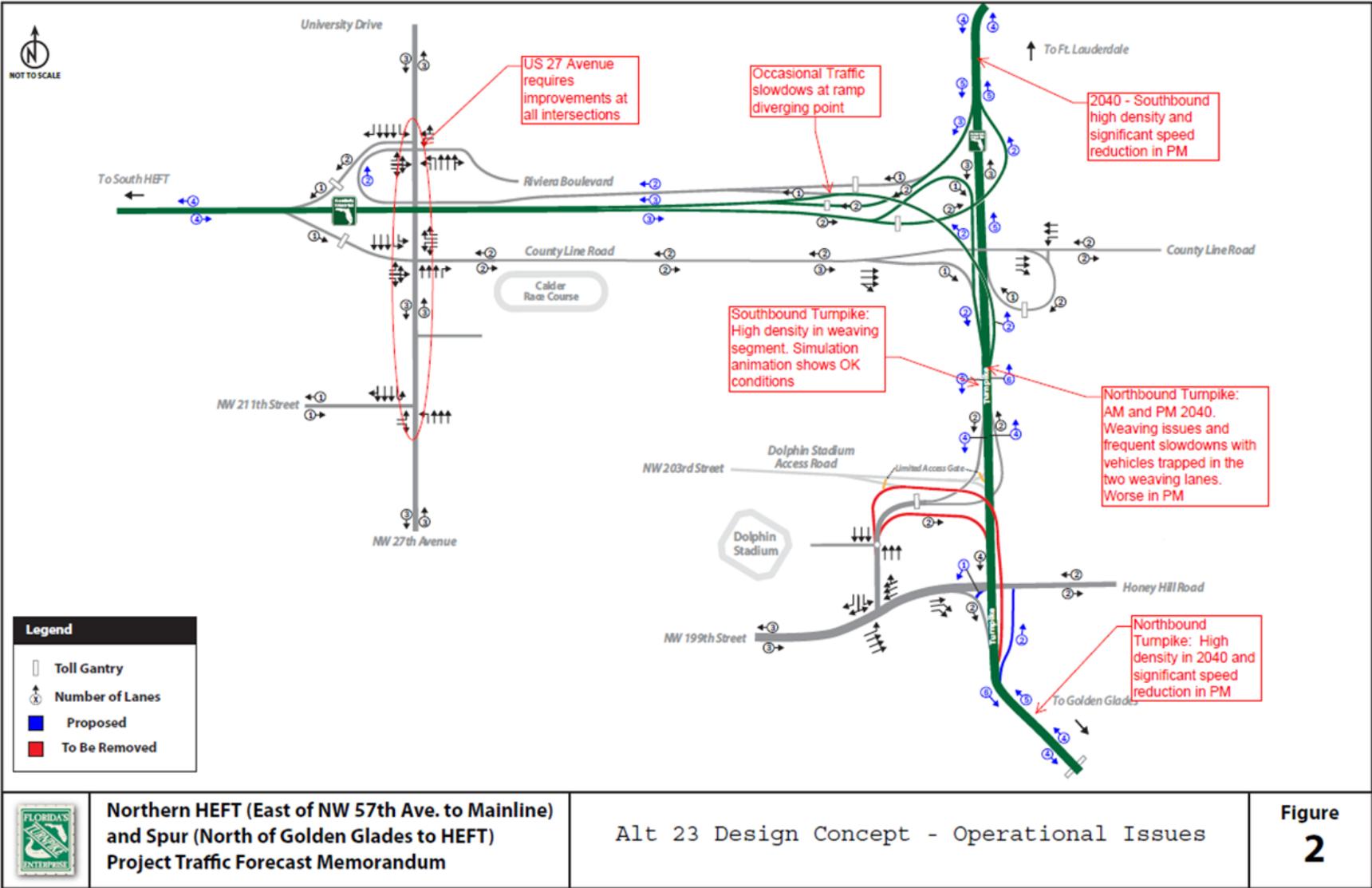
- Miami-Dade and Broward counties
- Complex system interchange
- Interchange to Sun Life Stadium
- Interchange with the HEFT



Existing Geometry – Example



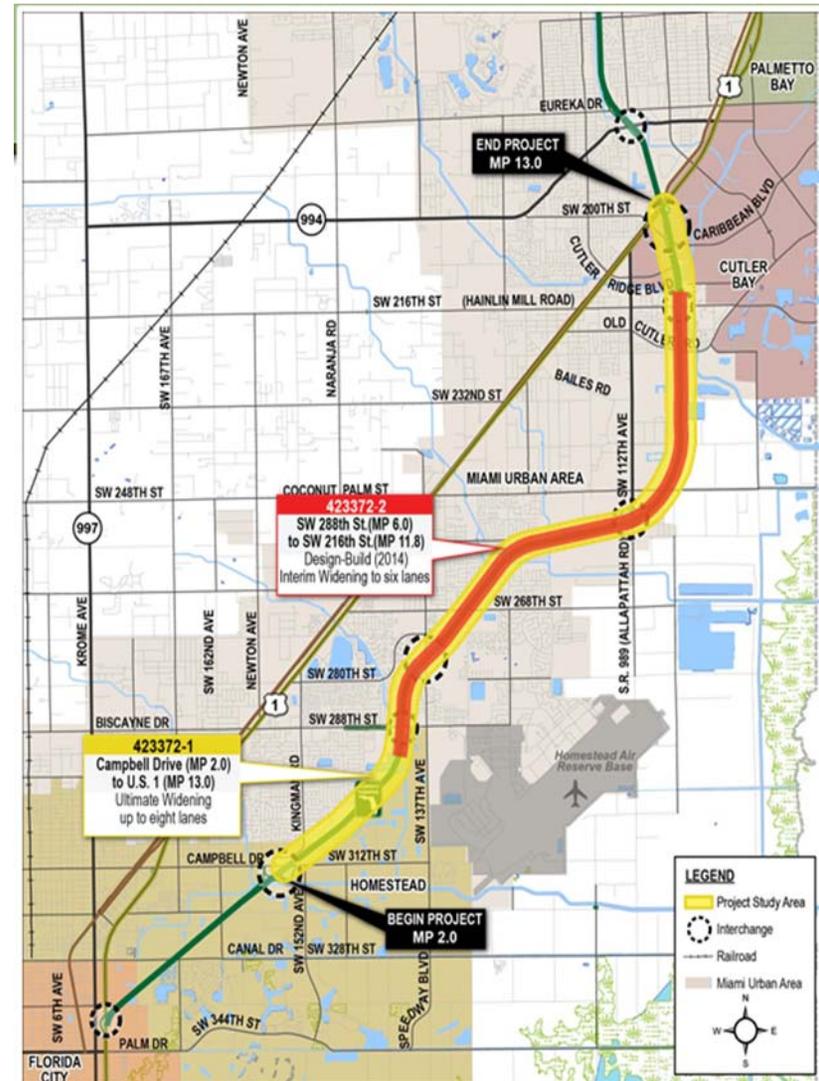
Traffic Input – Example



Concurrent PD&E & D/B RFP Development

Turnpike Widening from Campbell to US-1 PD&E Study (Miami-Dade)

- Concurrent PD&E and Design/Build (DB) criteria package development
- PD&E for 8-lanes
- DB Criteria Package for 6-lanes
- Early Survey and Geotech
- PD&E completed concurrent with permits and DB advertisement.
- Schedule
- Minimize engineering overlap



Questions



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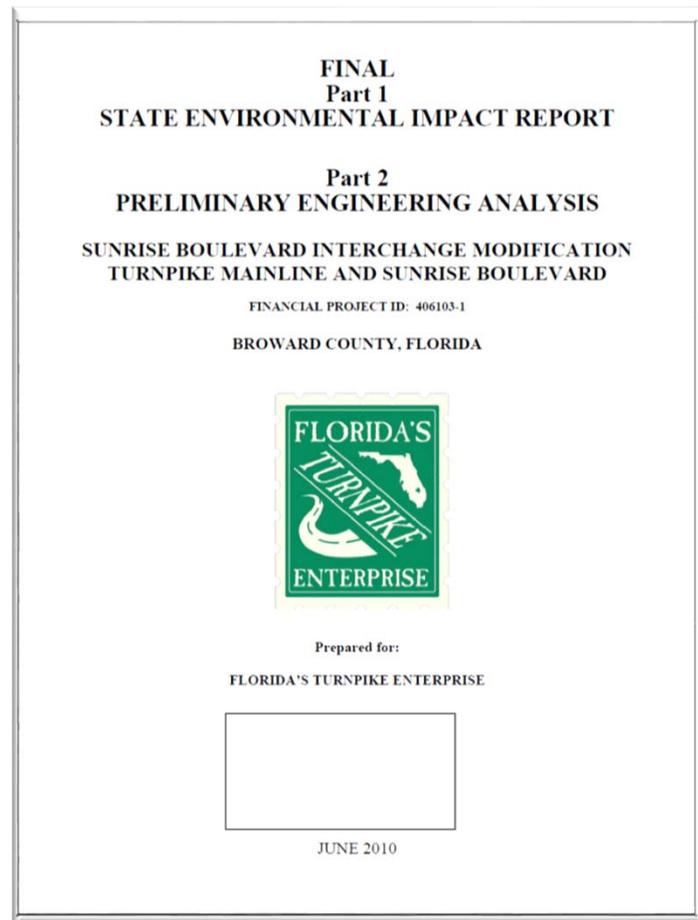
Streamlining PD&E Documents

Central EMO Training

June 2015

Streamlining PD&E Documents

Combined Document – SEIR & PER



Streamlining PD&E Documents

Combined Document – SEIR & PER

Part One: SEIR

Executive Summary
Project Description
Proposed Improvements
Environmental Impact Analysis
Commitments and Recommendations

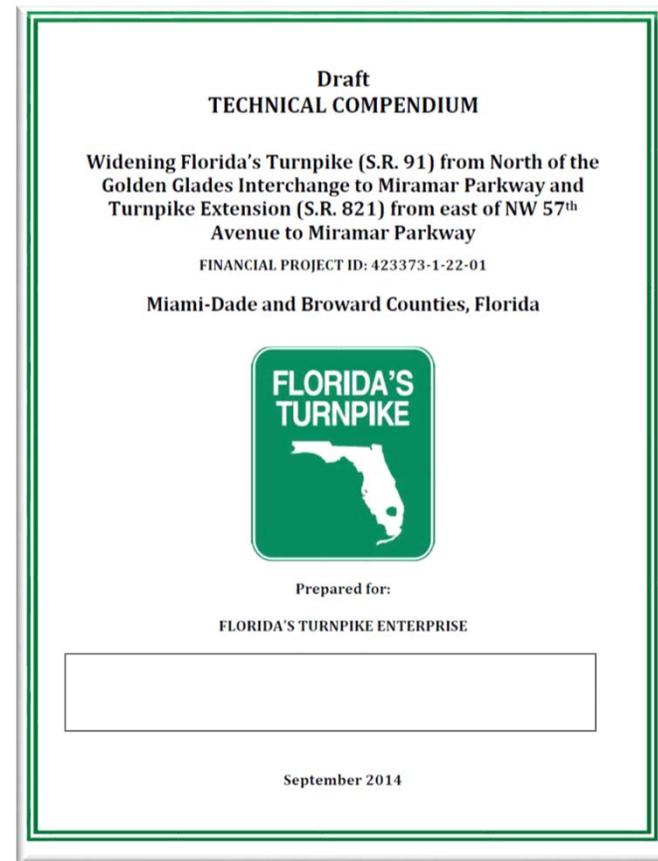
Part Two: PER

Chapter 1 – Need for Improvement
Chapter 2– Existing Conditions
Chapter 3 – Corridor Analysis
Chapter 4 – Design Controls and Standards
Chapter 5 – Traffic
Chapter 6 – Alternative Alignment Analysis
Chapter 7 – Design Details of Preferred Alternative
Chapter 8 – Conceptual Design Plans
Chapter 9 – List of Technical Reports

Streamlining PD&E Documents

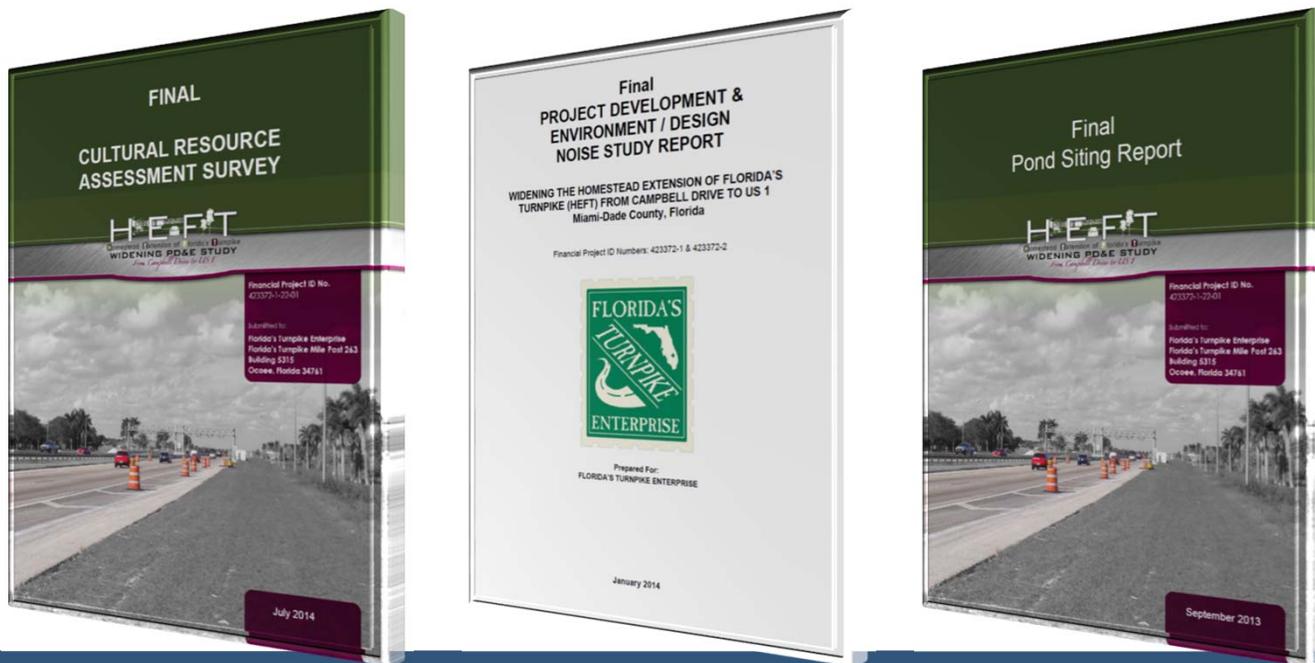
TECHNICAL COMPENDIUM - TECHNICAL MEMORANDA

- Air Quality
- Biological Assessment
- Location Hydraulics
- Stormwater Management
- Wetland Evaluation
- Utilities Assessment
- Multi-Use Trail Feasibility
- Geotechnical
- Bridge Analysis
- More as needed.....



Streamlining PD&E Documents Specific Reports

- Cultural Resources Assessment Survey
- Noise Report
- Pond Siting Report



Questions