

US-1 Express Project Development and Environment (PD&E) Study



MIAMI-DADE EXPRESSWAY AUTHORITY

Board Workshop

April 27, 2010

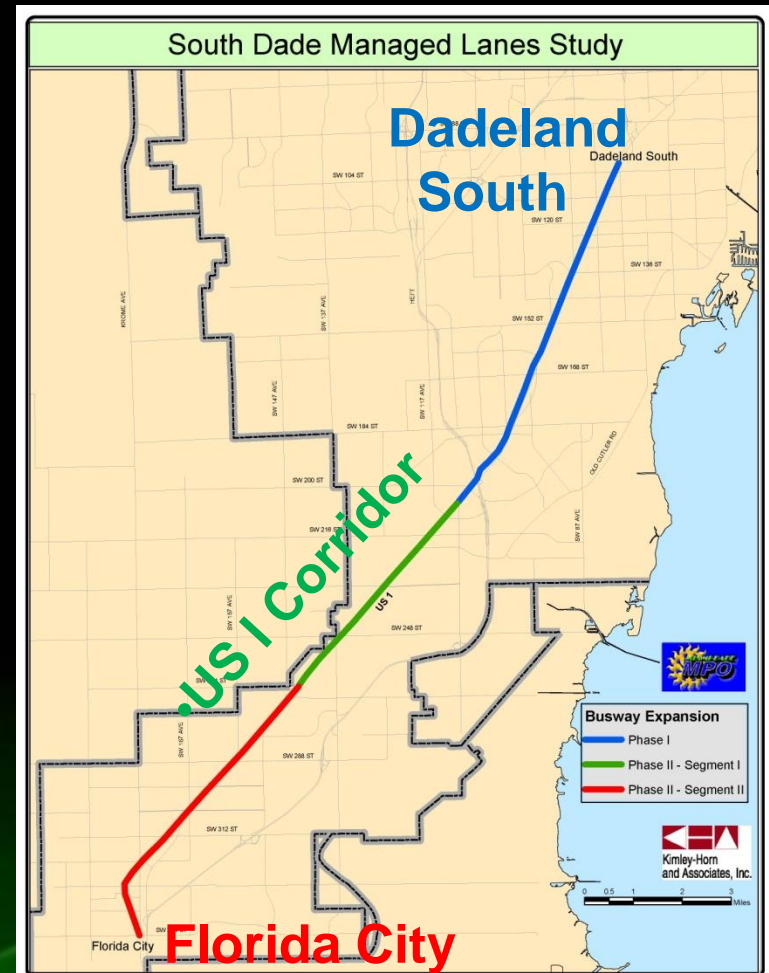
Overview

- Using available capacity of the South Dade Busway to incorporate managed lanes
 - Manage demand by variable toll pricing
 - Private vehicles using the busway lanes would pay a toll / buses would travel free
 - Provide free flow option
 - Provide linkage to expressway
 - Preserve envelope for future premium transit



Study Area

- Limits
 - Would extend from SW 344 Street
 - Allows Homestead area access to managed lanes
 - To Dadeland South Metrorail Station
- Distance
 - 16.7 miles



Purpose and Need

- Optimize transit service and improve traffic operations along the South Dade Busway
- Maximize usage of existing excess roadway capacity and existing right of way
- Mitigate congestion along the US-1 Corridor and traversing streets
- Provide possible funding for future transit improvements

Planning Tasks Completed

- Feasibility Study by MPO- September 2008
 - Determined reasonable alternatives exist for managed lanes along South Miami Dade Busway
- Evaluated revenue generating potential for future transit along South Miami Dade Corridor
- Study consistent with MPO/MDT South Link Alternative Analysis (2006)
- Efficient Transportation Decision Making (ETDM) Planning Screen completed

Public Outreach

- Briefings to MPO members and district Miami-Dade County Commissioners
- Outreach to other municipalities
 - Resolution from Village of Pinecrest
 - Resolution from City of Palmetto Bay
 - Resolution from Cutler Bay
 - Resolution from Chamber South
 - Homestead
- MPO Citizens Transportation Advisory Committee

Components of US-1 PD&E Study

- Environmental
 - Identification of the study area
 - Environmental analysis and assessment of impacts
 - Natural/Physical - Social / Economic / Cultural / Historic
- Engineering
 - Preliminary conceptual engineering design of managed lanes concept
- Public Involvement
 - Coordination with federal, state and local agencies and governmental entities
 - Outreach to elected officials and the public to provide information and an opportunity to express their views

Components of US-1 PD&E Study

- Transit Analysis
 - Origin-Destination surveys for US-1 and the South Dade Busway
 - Analyze impact to transit travel times
 - Develop new bus service options with managed lanes
 - Identify need for new or modified park and ride lots
 - Coordination with Miami-Dade Transit and Federal Transit Administration (FTA)

Components of US-1 PD&E Study

- Financial Analysis
 - Funding scenario development including FHWA funds
 - Financial plan consistent with Federal Highway Administration (FHWA) requirements for “major project” (cost over \$100 million)
 - Non-investment grade revenue forecasting
 - Transit farebox revenue impact analysis
 - Financial risk assessment

Class of Action Determination

- Coordination with FDOT D-6
- Evaluation and Consultation with FHWA
- Consultation with FTA
- Categorical Exclusion Type II

Environmental Issues

- Nature
 - Contamination
 - Wildlife and habitat (threatened and endangered species, biological assessment)
- Physical
 - Noise analysis
 - Air Quality analysis



Environmental Issues

- Social-Cultural
 - Archaeological Sites
 - Historic Sites
 - Parks
 - Recreation Facilities
 - Utilities
 - Community Cohesion
 - Community Features
 - Schools, Churches, Businesses, Cemeteries, Emergency Service Providers, etc.
 - Relocation Potential
 - Environmental Justice populations

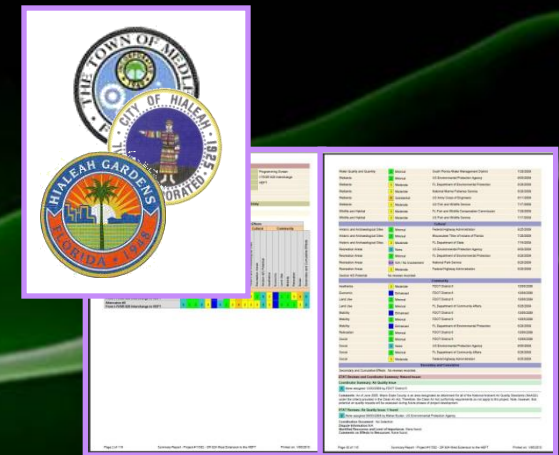
Engineering Issues

- Traffic modeling & operational analysis for potential grade separations/limited access
- Segmentation of corridor based on travel demand
- Phased implementation
- Enhanced safety at intersections
- Tolling
- Managed lane access to/from SR 826, HEFT, and US-1



Public Involvement

- Early & continuous coordination w/ local municipalities
- Public/Agency kick-off meetings
- Technical Project Steering Committee (MDT, FDOT, etc)
- Citizens/Community Advisory Committee
- Alternatives Public Workshop
- Public Information Meetings
- Two Public Hearings (one with MPO Board)



Milestone Schedule

- Project advertised for RSOQ April 9, 2010
- PD&E Notice to Proceed to consultant anticipated Fall 2010
- PD&E Schedule is 24 months
- FHWA approval of Location Design Concept (LDCA) Fall 2012