

10th Street suggested PD&E study scope items

1. Improve safety of 10th Street and roadway intersections and expressway interchanges.
 - 1.1. To include Public Safety accessibility.
2. Implement a below-grade expressway with At-Grade local access roads
 - 2.1. Implement extending below-grade expressway, west of westerly residential roadway connection to 10th Street.
 - 2.2. Implement extending below grade expressway as close to Military Trail as possible, that would allow Military Trail intersection to remain at grade. (No overpass of Military Trail over Expressway).
3. Minimize, and attempt to eliminate, use of above grade overpass where adjacent to residential areas.
4. Improve access for local roadways and expressways
 - 4.1. Improve residential access to 10th and expressways from Waterways, Independence Bay, Century Village, Waterford Homes, Waterford Courtyards, and the Renaissance (nursing home).
 - 4.2. Improve commercial access to 10th and expressways for Newport Center, Publix Distribution, Palm Trails Plaza, 10th Street strip Mall, Industrial area along SW 30 Street, Sawgrass Promenade.
 - 4.3. Improve Sawgrass Expressway and Turnpike connection to I-95
5. Explore improved access to expressway and 10th Street from local roads east of I-95. (Tier 2)
6. Implement generous table top intersections for local roads to improve pedestrian and bike connectivity north and south across 10th Street.
7. Prepare Noise study and Identify mitigation needs required
 - 7.1. Noise walls (implement before beginning of construction)
 - 7.2. Landscaping / Buffers
 - 7.3. Sound Proofing for affected Homes and businesses.
8. Implement Near term solutions.
 - 8.1. Signal timing Improvements
 - 8.2. Implement Adaptive signal technology
 - 8.3. Additional Traffic Lanes
9. Accelerate 10th street PD&E scoping and consultant selection to catch up with:
 - 9.1. PD&E for the Sawgrass / 10th street interchange with the Turnpike

This is a list of Draft PD&E Study Recommendations developed with input from the public and COAT Members at a publicly noticed meeting held in Deerfield Beach on June 21, 2016.

- 9.2. PD&E for the 10th Street interchange with I-95.
10. Maximize Landscaping along 10th St and north and south along adjacent connecting roadways. Create a Gateway to North Broward.
 11. Minimize Impacts to the environment including wetlands and air and water quality. (Tier 2)
 12. Encourage Mass Transit and carpooling alternatives. (Tier 2)
 13. Protect Deerfield Beach's west well field
 14. Implement signage for local business
 15. If tolling is planned for expressway, locate toll stations so as not to adversely affect local roadway network.
 16. Alternate transportation during the construction phase to alleviate once construction begins on SW 10 Street. Plans to alleviate on Hillsboro, Sample, Wiles and SW 18 Street.
 - 16.1. Potential to go under the railroad tracks at Hillsboro Blvd. to alleviate traffic during the construction phase & resolve issues on I-95.

Typical Scope Items included in PD&E study

The scope of the NEPA/PD&E is generally developed through the FDOT Efficient Transportation Decision Making (ETDM) process. The purpose of PD&E is to:

- Determine if an Engineering solution which is environmentally feasible can be provided for a transportation need
- Coordinate and Document PD&E Studies and Reports

Before PD&E Study begins Identify:

- Project Need
- Engineering Required
- Environmental Studies Required
- Permit issues/Types
- Dispute resolution issues

PREPARE SCOPE OF SERVICES and Staff Hour Estimates

Requires consideration of environmental effects and reasonable alternatives

Data Collection

- Identify required technical studies
- Survey and Geotechnical Needs
- Traffic Data for Noise Analysis
- Crash Data
- Safety Analysis
- Needs/Transportation Plans

Engineering

- Identify potential Number of project alternatives for study
- Identify Anticipated Issues
- Roadway pavement design
- Typical section features –lane/shoulder widths, grades, cross slopes, sidewalk/bicycle facilities, intersection geometry and operation (watch what happens through cycles), ADA
- Right of way constraints
- Access –driveways, median openings
- Drainage –type open/closed, existing facilities
- Structures –clearances, pier protection, damage to beams
- Utilities –major facilities, Florida Gas
- Transit Facilities –condition of stops, ADA, access
- Level of Engineering Detail
- Project Schedule
- Railroads
- Permitting
- Design Exceptions
- Maintenance of Traffic
- Cost Estimate (construction and ROW)
- Value Engineering/Risk Management

Environment

- Social Environment -Land Use, Community
- Cultural Environment –Native American site, historic properties
- Natural Environment -Wetlands, Species, Conservation, Farmlands
- Bridges –Navigation
- Physical Environment -Noise Sensitive Sites, Contamination

Public and Community Involvement

Outline the level of public involvement based on identified community concerns

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