

Flagler Street Premium Transit | PD&E Study

FM No: 437782-1-22-01 | Contract No: C-9P09

Alternatives Workshop





- Meeting Purpose
- Project Update
 - Corridor Workshops
 - Identification of Viable Alternatives
- Develop Recommended Alternative
 - Refine Viable Alternatives
 - Develop Conceptual Plans
 - Identify Transit Service, Station Locations
 - Evaluate Preliminary Cost
- Workshop Format
- Next Steps



Project Update - Corridor Workshops



RICK SCOTT GOVERNOR

1000 NW 111 Avenue Miami, FL 33172

October 20, 2016

JIM BOXOLD

- November 10, 2016 Central Project Corridor, West End Park
- November 15, 2016 West Project Corridor, Central Church Miami
- November 17, 2016 East Project Corridor, Manuel Adams Theater

SUBJECT: **Project Corridor Workshops**

State Road (SR) 968/Flagler Street Premium Transit from SR 821/HEFT to SR 5/US 1/Biscavne Boulevard Project Development and Environment (PD&E) Study

Miami-Dade County, Florida

Financial Management Number: 437782-1-22-01

Dear Elected Official:

The Florida Department of Transportation (FDOT), District Six, has scheduled three Project Corridor Workshops to discuss the PD&E Study along SR 968/Flagler Street from SR 821/HEFT to SR 5/US 1/Biscayne Boulevard in Miami-Dade County. The study will focus on implementation of a Premium Transit service and infrastructure along SR 968/Flagler Street, as well as providing multimodal street improvements.

The Project Corridor Workshops will be held on the following dates:

- November 10, 2016 Central Project Corridor Workshop (SR 968/Flagler Street from SW 87 Avenue to SW 42 Avenue) - 6:30 p.m. to 8:30 p.m., at West End Park, located at 250 SW 60 Avenue, Miami, FL 33144
- November 15, 2016 West Project Corridor Workshop (SR 90/SW 8 Street from SW 147 Avenue to SW 107 Avenue; SR 968/Flagler Street from SR 821/HEFT to SW 87 Avenue) -6:00 to 8:00 p.m., at Central Church Miami, located at 1300 SW 87 Avenue, Miami, FL 33174
- November 17, 2016 East Project Corridor Workshop (SW 42 Avenue to SR 5/US 1/Biscayne Boulevard) - 6:00 p.m. to 8:00 p.m., at Manuel Artime Theater, located at 900 SW 1 Street, Miami, FL 33130

Meeting invitations for each workshop will be sent to property owners within 300 feet of the proposed improvements. These workshops will provide an opportunity for the public to learn about the project and provide initial feedback on proposed alternatives. The workshops will be held in an informal, open house format. Attendees are encouraged to come at any time to review the proposed improvements. Department representatives will be available during the workshops to informally discuss the project and answer questions. Enclosed is a copy of the project fact sheet.

If you require further information concerning this project, please contact Ms. Teresita Alvarez, FDOT Project Manager, at 305-640-7557, or via email at Teresita. Alvarez@dot.state.fl.us. You may also visit the project website at www.fdotmiamidade.com/flaglerpremiumtransitstudy.

Sincerely,

James Wolfe, P.E. District Secretary

Enclosure: Project Fact Sheet



Project Update – Tier 1 Alternatives Analysis



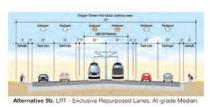


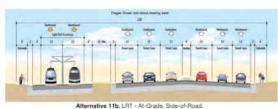




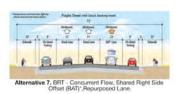
























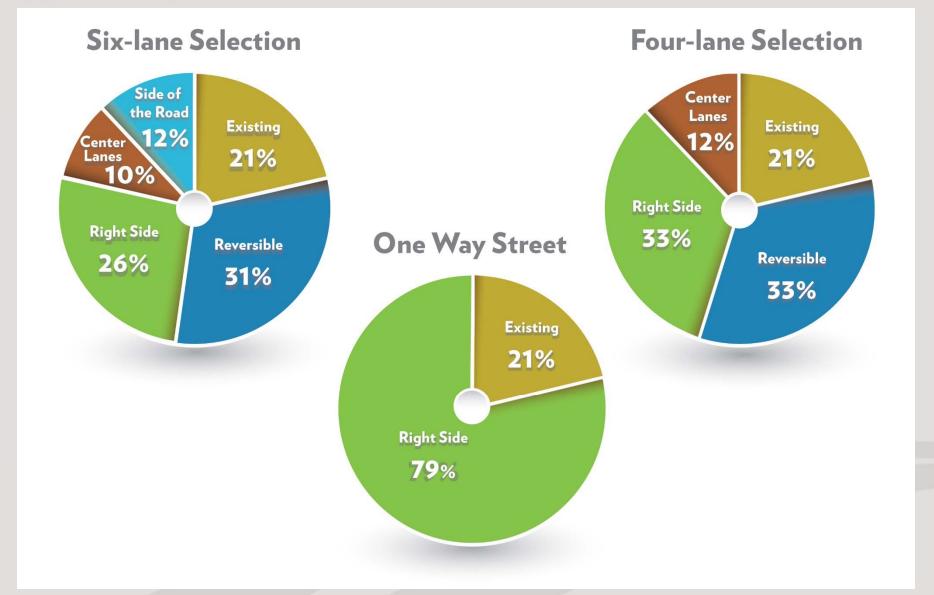
TYPICAL SECTIONS OF PROJECT ALTERNATIVES

| Viable Alternative – Tier 1 Alternatives | Analysis

				Typical Sections			Goals					
Tier 1 Alternatives		Alternative Number	Six Lanes	Four Lanes	One-Way Pair	Improve Mobility	Provide Efficient Transit Service	Preserve the Environment	Stimulate Economic Development	Achieve Modal Balance		
Local Bus	No-Build (Existing)		1	1		d						
Enhanced Bus (EBS)	Transportation System Mgt. (TSM)		2	1	1	4						
	Mixed Traffic	Center Median Reversible (Center) Right Side	3 4 5	1		4 -						
Bus Rapid Transit (BRT)	Existing Lane Repurposed to Bus Only Lane	Center Median Reversible (Center) Right Side Right/Left Side Offset	6 7 8 9	1		d - d						
	New Lanes	Center Median Reversible (Center) Elevated Right/Left of the Road	10 11 12 13	1 1 1		- - -						



FDOT Viable Alternatives – Public Input



Viable Alternatives - Identification

Analysis

- 1. Transit ridership
- 2. Transfer points
- 3. Traffic volumes
- 4. Intersection configuration
- 5. Level of service
- 6. Crash data
- 7. Roadway capacity
- 8. On-street parking location
- 9. Connection to activity centers
- 10. Safety transit, traffic, peds, bikers
- 11. Bike lanes
- 12. Pedestrian facilities
- 13. Available right-of-way
- 14. Historic sites
- 15. Noise sensitive sites
- 16. Contaminated sites
- 17. Potential costs (low, medium, high)
- 18. Economic development
- 19. Local and regional plans
- 20. Access to school, employment, homes
- 21. Existing and future plans

Public Input

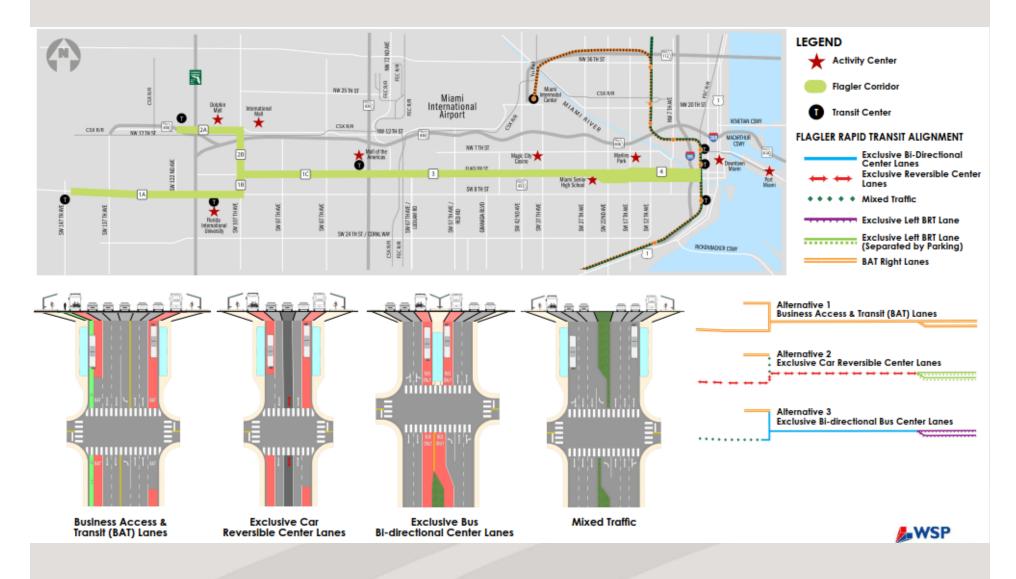
- Vehicle Type Local/MAX, Enhanced, BRT
- Running way location right, left, center
- Running way type mixed traffic/shared lane, exclusive
- 4. Transit service frequency how often
- Station spacing
- 6. Walk distances
- Stops/stations amenities fare collection, information panel, wi-fi
- 8. Intersection priority
- Connection to activity centers

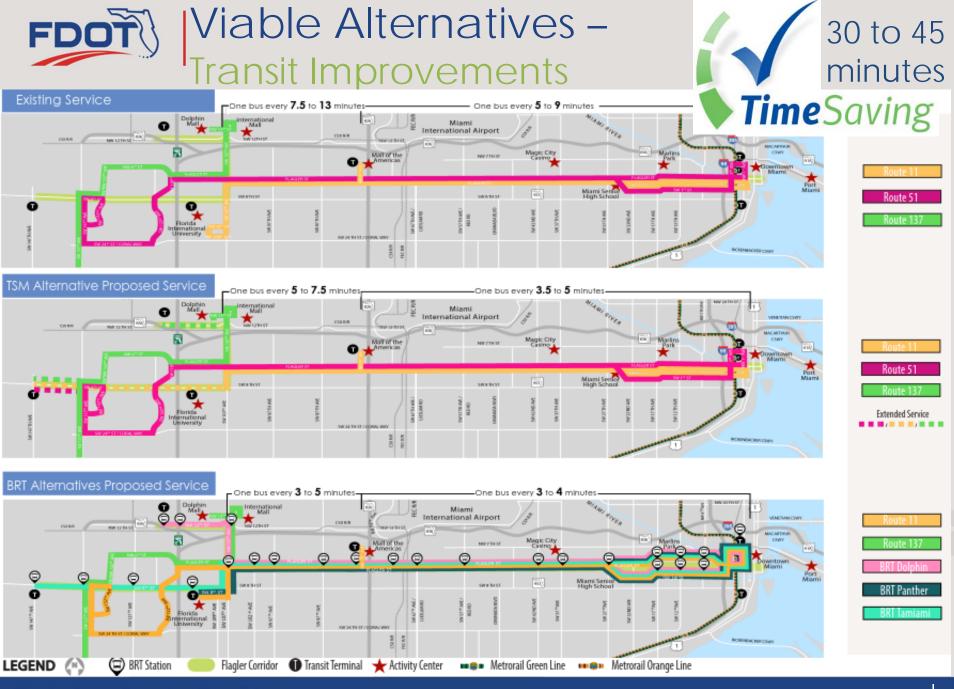
Viable Alternatives

Various options tailored to specific locations



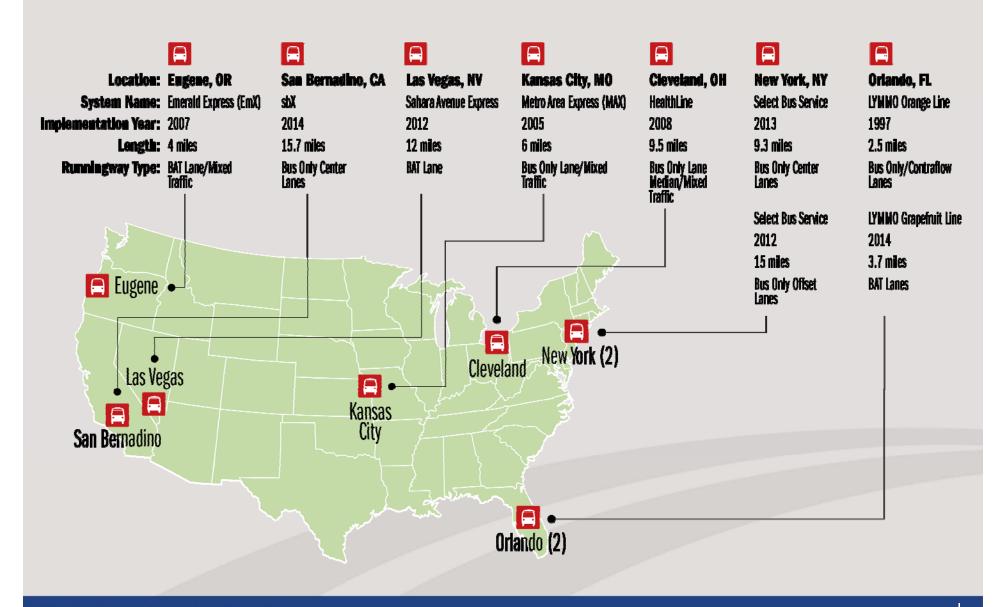
Viable Alternatives - Recommendation







Rapid Transit Systems in the United States





Benefits of Rapid Transit Systems

New York City

71%

Increase in retail sales

Fordham Avenue Curb Bus Lane



Cleveland, OH



In investment since start of service on October 2008

HealthLine Curb Center Lane



Eugene, OR \$100M

New Development projects near the line

Franklin Emerald Express
(EmX)
Center Lane





Rapid Transit Options –





Rapid Transit Options -





Rapid Transit Options –





Rapid Transit Options -



FDOT | Viable Alternatives - Evaluation

· ·		Transportation System	Proposed (Build) Alternatives					
Evaluation Criteria	No-Build	Management &	Alternative 1	Alternative 2	Alternative 3			
Lvaluation Criteria	NO-Bullu	Operations (TSMO)	Business Access and	Exclusive Reversible Car	Exclusive Bi-Directional			
		Operations (151410)	Transit (BAT) Lanes	Center Lanes	Bus Center Lanes			
Natural, Environmental & Physical Impacts	No Improvement	No Improvement	Least Impact	Least Impact	Most Impact			
Threatened and endangered species	none	none	none	none	none			
Recreational impacts (Section 4(f))	none	none	none	none	none			
Social & neighborhood impacts	medium	low	enhanced	enhanced	enhanced			
Floodplain impacts	none	none	none	none	none			
Wetland impacts	none	none	none	none	none			
Potential contamination sites	none	none	none	none	4			
Archaeological/historic site impacts	none	none	none	none	medium			
Environmental benefits	none	low	medium	medium	medium			
Business Impacts	No Improvement	Minimum Improvement	Least Impact	Least Impact	Most Impact			
Number of business relocations	none	none	none	none	4			
Number of business impacts	none	none	none	none	51			
Number of parking spaces impacted	none	none	7 out of 1,100	7 out of 1,100	12 out of 1,100			
Residential Impacts	None	None	None	None	None			
Number of residential relocations	No Residential Impacts							
Number of residences impacted	No residential impacts							
Right of Way Impacts	No Improvement	Minimum Improvement	Least Impact	Least Impact	Most Impact			
Total number of parcels impacted	none	none	none	none	51			
Total right of way area for acquisition	none	none	none	none	59,855 sf			
Mobility Impacts	No Improvement	Minimum Improvement	Medium Improvement	Medium Improvement	Most Improvement			
Average Daily Ridership (+/- 13,000 to 15,000 Existing)	14,000 to 19,000	18,000 to 25,000	22,000 to 30,000	23,000 to 31,000	23,000 to 31,000			
Vehicle Miles Travelled (VMT) (% Reduction)	142,632,620	0.04%	0.05%	0.01%	0.06%			
Vehicle Hours Traveled (VHT) (% Reduction)	4,185,480	0.06%	0.09%	0.03%	0.10%			
Mode Shift from Auto to Transit (% Increase over No-Build)	319,570	1.50%	5.50%	5.70%	7.25%			
Traffic Operation Impacts	Worse than Existing	Least Impact	Medium Impact	Most Impact	Most Impact			
Estimated Travel Time (min)	Worse than Existing	Least Improvement	Medium Improvement	Medium Improvement	Most Improvement			
Panther Station to Government Center	130	120	85	85	80			
Dolphin Transit Terminal to Government Center	No direct service	130	95	95	90			
Tamiami Transit Terminal to Government Center	No direct service	150	110	110	105			
Preliminary Estimated Project Costs (Millions)	\$40 to \$60	\$60 to \$80	\$200 to \$240	\$220 to \$270	\$230 to \$300			
Roadway Improvement Costs	\$0.00	\$4.10	\$72.30	\$90.00	\$88.30			
Right-of-Way Costs	\$0.00	\$10.00	\$15.00	\$15.00	\$30.00			
Transit Capital Costs (Millions)	\$38.40	\$50.40	\$113.90	\$113.90	\$112.10			
Operating and Maintenance Costs (Millions/Year)	\$25 to \$30	\$35 to \$45	\$45 to \$55	\$45 to \$55	\$50 to \$60			
All values are preliminary and subject to change with further detailed analysis. September 2017								



Your Feedback!

Next Steps - Schedule

Major Project Tasks	2016				20	17	2018			
Major Project Tasks	Spring	Summer	Fall	Winter	Spring	Summer	Fall	Winter	Spring	Summer
Project Initiation										
Elected Officials/Agency/Public Kick-Off Meeting										
Environmental and Engineering Analysis			D					We	are h	nere
Alternatives Public Meetings				7						
Identify Recommended Alternatives					PAC					
Federal Environmental Class of Action Determination (NEPA)										
Draft Preliminary Engineering Report (PER)/CatEx (CE)						PAC				
Public Hearing										
Selection of Locally Preferred Alternative (LPA)										
FTA Acceptance into Project Development										
Final Engineering and Environmental Documents										
Public Involvement - TOC, PAC, Workshops, Mtgs										

Public Hearing Fall 2017

FTA Class of Action
Determination

Selection of Locally Preferred Alternative FTA
Acceptance
into Project
Development

Final
Engineering
and
Environmental
Documents



Thank you!