

SR 7 MULTIMODAL IMPROVEMENTS CORRIDOR STUDY

Project Advisory Committee Meeting

EN

July 22, 2015





- Project Status Report/Schedule
- Review of Prior PAC Meeting Summary
- Performance Measures Discussion
- Confirm Hot Spots
- Data Review/Data Needs & Planned Data Collection
- Cell Phone Zone Map/Discussion
- Public Participation Update
- Housekeeping/Adjourn Meeting



Schedule

Schedule	2/16 2/23 3/2 3/9 3/16 3/23 3/30 4/6 4/13 4/20 4/27 5/4 5	11 5/18 5/25 6/1 6/8 6/15 6/22 6/29 7/6 7/13 7/20 7/27 8/3 8/10 8/17 8/24 8/31 9/7 9/1	14 9/21 9/28 10/5 10/12 10/19 10/26 11/2 11/9 11/16 11/23 11/30 12/7 12/14 12/21 12/28 1/4 1/11 1/18 1/2	15 2/1 2/8 2/15 2/22 2/29 3/7 3/14 3/21 3/28 4/4 4/11 4/18 4/25 5/2 5/9 5/16 5/23 5/30 6/6 6/13 6/20 6/27
TASK 1: PROJECT MANAGEMENT				
1.01 - PROJECT TEAM MEETINGS AND AGENCY COORDINATION MEETINGS	2/19 3/5 4/9 5/7	6/18 7/16 8/11 9/10	10/8 10/28 12/10	
1.02 - PROJECT ADVISORY COMMITTEE (PAC)	2/23 3/30 3/7	5/2 7/21	10/8 10/28 12/10 10/9 12/15	2/24 3/23
1.03 - PROJECT SHAREPOINT SITE		1144		10 100
TASK 2: PERFORMANCE MEASURES				
2.01 - PROBLEM STATEMENT, GOALS, AND OBJECTIVES				
2.02- STATEMENT OF PURPOSE AND NEED				
2.02- STATEMENT OF THE ON USE AND NEED				
2.04 - REPORT CHAPTER #1				
TASK 3: DATA REVIEW/DATA COLLECTION				
3.01 - REVIEW OF AVAILABLE DATA AND REPORTS (Data Summary Memo)				
3.02 - MOBILITY HUB PEDESTRIAN OBSERVATIONS AND INTERCEPT SURVEYS				
3.03 - DATA COLLECTION (AS NEEDED)				
TASK 4: PUBLIC INVOLVEMENT				
4.01 – PUBLIC INVOVLEMENT PLAN				
4.02 - PROJECT WEBSITE, PRINT MATERIAL AND SOCIAL MEDIA PLATFORMS				
4.02. a - Initial Stakeholder Contact List				
4.02.b - Develop Website				
4.02.b - Maintain Website Content			<u></u>	
4.02.c - Project Fact Sheet				
4.02.c - Project Pact Sheet 4.02.c - Project Brochure w/ Hot Spot Summary				
4.02.c - Email Blast, Brief Newsletters				
4.03 - COMMUNITY MEETINGS AND EVENTS				
4.04- LOCAL AGENCY WORKING GROUPS				
4.05 - PRESENTATIONS TO MPO COMMITTEES/BOARD AND POLICY BRIEFINGS		9/1	10/8 III III III III III III III III III I	4/27 5/12
4.06 - TELEPHONE TOWNHALL MEETING				
TASK 5: TRANSPORTATION AND LAND USE ANALYSIS				
5.01 – TRANSPORTATION ANALYSIS METHODOLOGY REPORT				
5.02 - BASELINE CONDITIONS, MOBILITY HUBS AND "HOT SPOT" ID				
5.03 – HOT SPOT SAFETY REVIEWS				
5.04 - HOT SPOT TRAFFIC OPERATIONS REVIEWS				
5.05 - MOBILITY HUB ASSESSMENT AND INFRASTRUCTURE NEEDS				
5.06 - MULTIMODAL CONNECTIVITY NEEDS ASSESSMENT & PROJECT CONCEPTS				
5.07 - ANALYSIS OF EXISTING AND POTENTIAL TRAVEL MARKETS				
5.08 - LIVABILITY PLANNING AND LAND USE ANALYSIS				
TASK 6: PROJECT DEVELOPMENT				
6.01 – PROJECT REFINEMENT				
6.02 – PLANNING COST ESTIMATES AND PROJECT PRIORITIZATION				
6.03 – PROJECT CONSTRUCTABILITY/FEASIBILITY, NEPA, AND COSTS				
6.04 - PROJECT RECOMMENDATIONS REPORT CHAPTER #4-A				
TASK 7: IMPLEMENTATION AND MONITORING				
7.01-IMPLEMENTATION PLAN				
7.02 – PROJECT FUNDING PLAN				
7.03-IMPLEMENATION PLAN SUMMARY REPORT CHAPTER				
TASK 8: PROJECT DOCUMENTATION				
8.01 – EXECUTIVE SUMMARY AND COMPANION PRESENTATION				
8.02 – FINAL (UPDATED) REPORT CHAPTERS:				
8.03 - COMPILATION AND INDEXING OF TECHNICAL APPENDICES:				
8.04 - COMPILATION OF ELECTRONIC DATA FILES				
OPTIONAL SERVICES				
City Commission Briefings				
Interactive Issues/Solutions Website				
Cellular Device O/D Data Analysis				
ADA Assessment				



Goal 1: Enhance the Safety of All Road Users.

Objectives	Performance Measures
Objective 1.01: Reduce the frequency and severity of pedestrian and bicycle crashes within the SR 7 corridor	Frequency of bicycle and pedestrian crashes; Frequency of incapacitating injury and fatal bicycle and pedestrian crashes
Objective 1.02: Reduce the frequency and severity of automobile crashes within the SR 7 corridor	Frequency of crashes; Frequency of incapacitating injury and fatal crashes; Crashes/million vehicle miles travelled (MVMT) Incapacitating injury and fatal crashes/MVMT



Goal 2: Improve the Quality and Completeness of the Non-Motorized Network..

Objective 2.01: Provide continuous, high-quality bicycle and pedestrian facilities along SR 7

Objectives

Objective 2.02: Provide a comprehensive network of bicycle and pedestrian facilities within the SR7

Percent of SR 7 corridor with:

- standard sidewalks
- enhanced sidewalks
- minimum bike lanes
- enhanced bike facilities

Percent of Arterial and Collector Streets with:

Performance Measures

- standard sidewalks
- enhanced sidewalks
- minimum bike lanes
- enhanced bike facilities



Goal 2: Improve the Quality and Completeness of the Non-Motorized Network.

Objectives

Objective 2.03: *Provide for adequate opportunities for safe and convenient crossing of SR 7 and other major roadways within the corridor* Number of roadway segments greater 0.25 miles between controlled crossings (traffic signal or marked crosswalk)

Performance Measures

Average distance of transit riders from controlled crossing (marked crosswalk or signal) using stoplevel ridership data



Goal 3: Continue to Improve Transit Service in the SR 7 Corridor.

Objectives	Performance Measures		
Objective 3.01: Continue to improve	On time performance		
on-time performance and deliver	Bus Load Factor		
acceptable bus load-factors			
Objective 3.02: Reduce bus running	Estimated revenue hours per revenue mile of service		
times through infrastructure design			
and operational strategies			



Goal 3: Continue to Improve Transit Service in the SR 7 Corridor.

Objectives

Performance Measures

Objective 3.03: Improve transit

it Number of hub improvements implemented

passenger experience through Mobility Pre/post implementation customer satisfaction Hub improvements

Objective 3.04: Improve the safety and See related performance measures

convenience of accessing transit

(cross-reference Objectives 1.01, 2.01,

2.02, and 2.03)



Goal 4: Reduce Automobile Traffic Congestion without Adversely Impacting						
the Mobility and/or Safety of Cyclists, Pedestrians, and Transit Users.						
Objectives	Performance Measures					
Objective 4.01: Identify and quantify	Improvements to intersection level of service					
opportunities to reduce congestion	Elimination of queue spill-back into travel lanes					
through geometric and/or operational						
improvements (i.e., new or extended						
turn lanes, modified signal timing)						
Objective 4.02: Assess the potential of	Peak period and off-peak average travel speeds and					
ATMS solutions to reduce automobile	automobile travel time					
traffic congestion along SR 7						



Goal 5: Encourage Land Use & Urban Form to Support Multimodal Options

Objectives

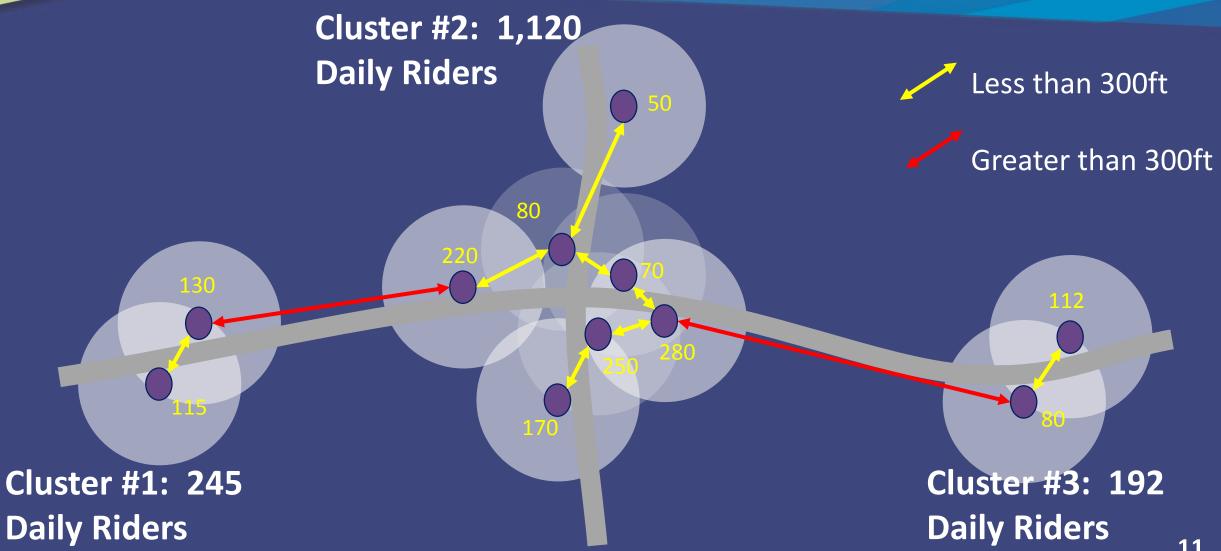
Performance Measures

Objective 5.01: Incorporate existingConsistency of Mobility Hub concepts with existingand planned land use conditions whenadopted and future land use plans and policiesanalyzing and planning for MobilityHub infrastructure investments

Objective 5.02: Identify opportunitiesPercentage of land along the corridor with landto update zoning and landdevelopment codes that address key multimodaldevelopment code to implement TOCplanning factors related to connectivity, public realm,designationdensity/diversity of uses, and other parameters to be
determined.

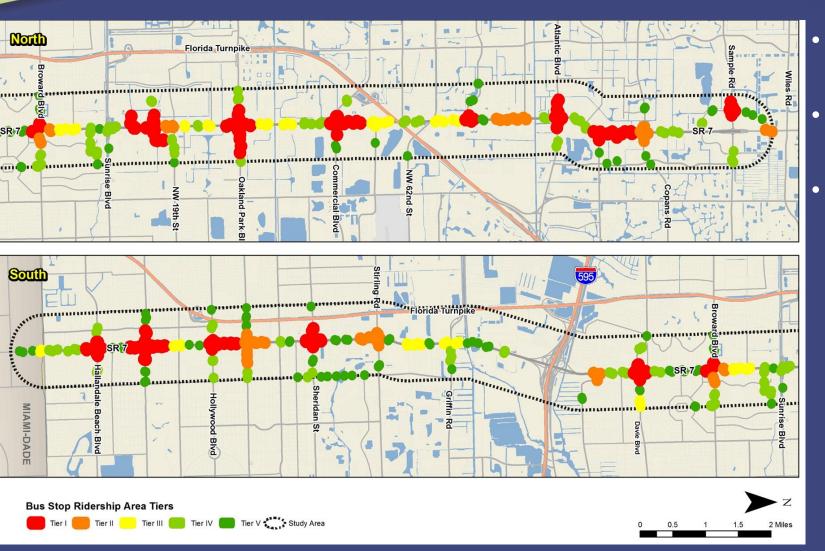
Hot Spot Analysis: Transit Ridership







Hot Spot Analysis: Transit Ridership



- 13 Tier I clusters (1000+ Riders)
 68.7% of the total ridership
 23 Tier I and II clusters (500+ Riders)
 81.3% of the total ridership
 The top 5 bus stop clusters = 45%
 - of the total ridership
 - $\circ~$ SR 7 near the Lauderhill Mall
 - SR 7 near Oakland Park Blvd
 - SR 7 near Hallandale Bch Blvd
 - SR 7 near Hollywood Blvd
 - \circ SR 7 near Commercial Blvd



Hot Spot Analysis: Bike/Ped Crashes



- 5 Tier I and II clusters (10+ crashes in 5 years) **11.8% of the total crashes**
- The Tier I and II pedestrian and bicycle crash areas are:
 - SR 7 near Oakland Park Blvd
 - SR 7 near Commercial Blvd
 - SR 7 near Hollywood Blvd
 - \circ SR 7 near Riverland Rd
 - NW 54th Ave near NW 40th St (SR 7 at Sample Rd)



Top 15

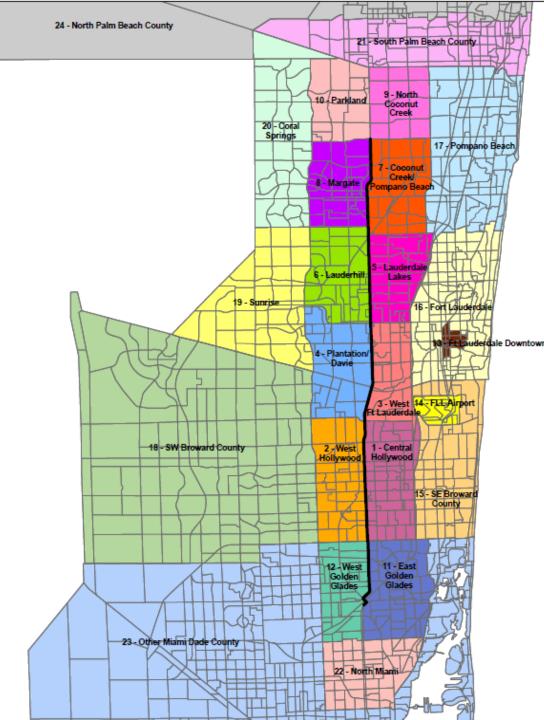
Hot Spot Analysis: Candidates

	Initit Ran	Location	Total Bus Stop Ridership	Total Pedestrian & Bicycle Crashes	Composite Ranking Score
	1	SR 7 at Oakland Park Blvd	6,160	40	3
	2	SR 7 at Commercial Blvd	2,131	27	8
	2	SR 7 at Hollywood Blvd	2,550	22	8
	2	SR 7 at Broward Blvd	2,694	18	8
	5	SR 7 at Atlantic Blvd	1,423	18	15
	6	SR 7 at Sheridan St	1,268	20	16
	7	Sample Rd at NW 62nd Ave/Turtle Creek Dr	1,672	14	17
HotSpots 🗖	8	SR 7 at Davie Blvd	1,456	12	19
Hot Spots – Combine	9	SR 7 at NW 12th St (Lauderhill Mall)	9,444	6	20
	10	SR 7 at Pembroke Rd	1,287	12	21
Combine (11	SR 7 at Hallandale Beach Blvd	2,655	6	23
	12	SR 7 at Kimberly Blvd	2,104	7	24
	13	SR 7 at Johnson St	677	17	26
	13	SR 7 at Riverland Rd	749	15	26
Promote 🧲	15	SR 7 at NW 16th St	985	9	28
	16	SR 7 at Stirling Rd	1,004	8	29
	17	SR 7 at NW 19th St	776	9	31
	18	SR 7 at Griffin Rd	587	11	32
	19	SR 7 at Washington St	272	11	33
	19	SR 7 at Copans Rd	807	7	33



Data Review/Data Collection

- Reports/Studies and Work Program information summarized in memorandum.
 - Interview with Melissa Ackert to clarify scope of ATMS projects
 - Some work needed to clarify work program details
 - Beginning to collect available plan sets for reference
- Hot spot pedestrian counts/qualitative assessments and intercept surveys programmed for 2nd half of August – to be completed by mid September.
- Developing major roadway network multimodal facilities inventory
- Crash analysis for high-crash locations underway.



Cell Phone O/D Data

- Recommended to use same zone structure as FDOT transit O/D study
 - 13 smaller zones along the corridor
 - 9 Regional Zones
 - 2 Activity Centers (Downtown Ft. Lauderdale & Airport
- Budget allows for 4 additional zones.





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