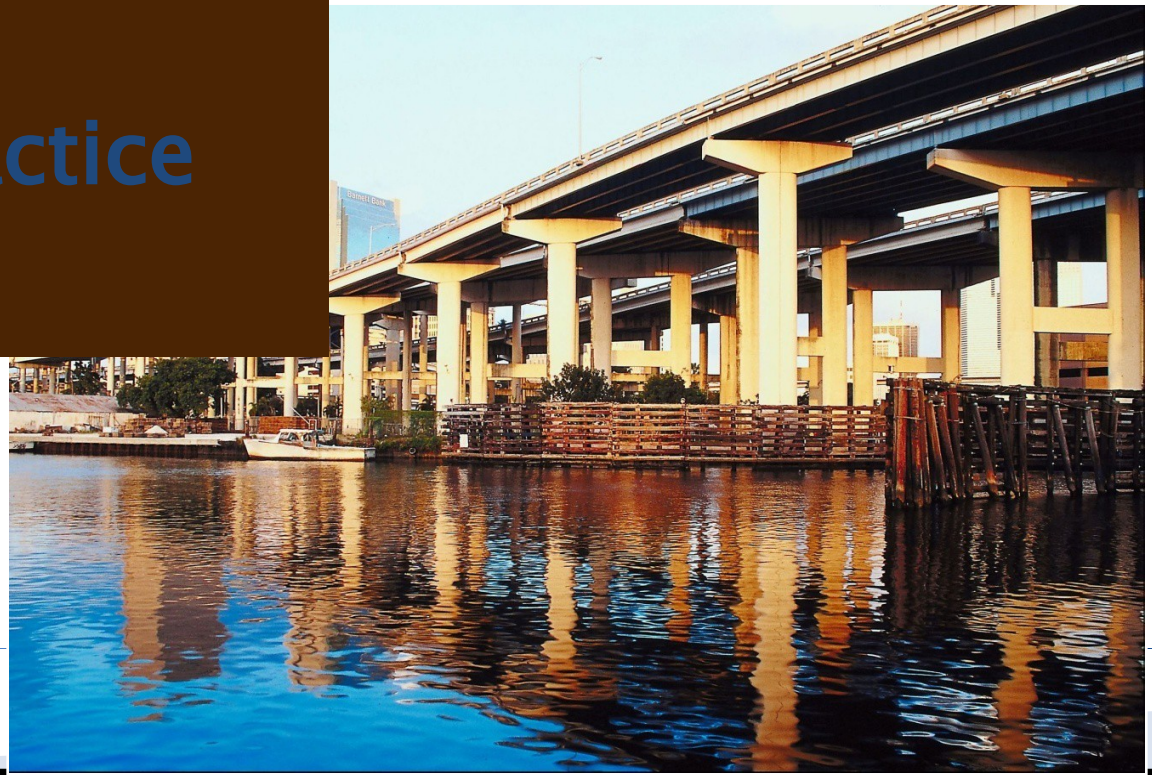


# Guide for Review and Assessment of Local Mobility Plans: A Proposed Practice



Final Report | BDK84 TWO#977-02  
March 2010  
Center for Urban Transportation Research  
University of South Florida

# FDOT's Role in Growth Management

- ▶ 2005 Growth Management Legislation
- ▶ 2008 Legislation – Reduce Greenhouse Gases
- ▶ 2009 Community Renewal Act

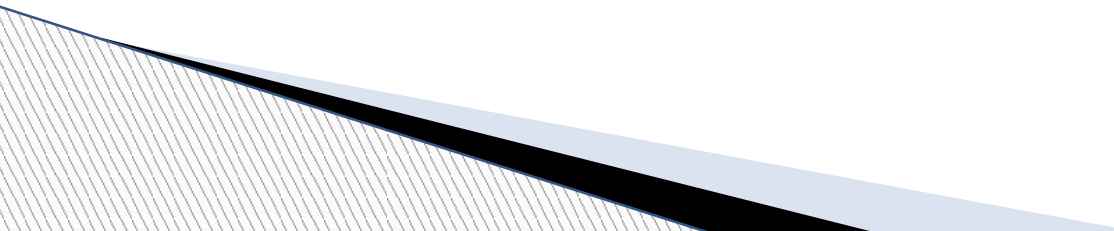
# FDOT's Current Role

- ▶ Comprehensive plans, CPAs, EARs, and EAR-based CPAs
- ▶ Within TCEAs
  - focus on local land use and transportation strategies to support and fund mobility, including alternative modes – mobility plans
  - no authority to review CPAs for compliance with level of service standards
  - local governments not required to consult with FDOT on impacts or mitigation to the SIS
- ▶ Outside of DULA TCEAs
  - review CPAs and proposed DRIs to ensure LOS

# Mobility Assessment Guide



# Guide

- ▶ Detailed instructions for use of template
  - ▶ Description of Categories, Elements, and Criteria
  - ▶ “Notes” describe how each Criterion may be addressed in the plan
- 

# Mobility Assessment Template



Mitigation/Mobility Plan Evaluation or Scorecard Score: 8

Category	Item	Score	Weight	Total
Overall Status	BP1.1	5	1	5
	BP1.2	5	1	5
	BP1.3	5	1	5
	BP1.4	5	1	5
Mitigation & Mobility	MR1.1	5	1	5
	MR1.2	5	1	5
	MR1.3	5	1	5
	MR1.4	5	1	5
	MR2.1	5	1	5
	MR2.2	5	1	5
	MR2.3	5	1	5
	MR2.4	5	1	5
	MR2.5	5	1	5
	MR2.6	5	1	5
	MR2.7	5	1	5
	MR2.8	5	1	5
Mitigation & Mobility	MR3.1	5	1	5
	MR3.2	5	1	5
	MR3.3	5	1	5
	MR3.4	5	1	5
	MR3.5	5	1	5
	MR3.6	5	1	5
	MR3.7	5	1	5
	MR3.8	5	1	5
	MR3.9	5	1	5
	MR3.10	5	1	5
	MR3.11	5	1	5
	Mitigation & Mobility	MR4.1	5	1
MR4.2		5	1	5
MR4.3		5	1	5
MR4.4		5	1	5
MR4.5		5	1	5
MR4.6		5	1	5
MR4.7		5	1	5
MR4.8		5	1	5
MR4.9		5	1	5
MR4.10		5	1	5
MR4.11		5	1	5
Mitigation & Mobility		MR5.1	5	1
	MR5.2	5	1	5
	MR5.3	5	1	5
	MR5.4	5	1	5
	MR5.5	5	1	5
	MR5.6	5	1	5
	MR5.7	5	1	5
	MR5.8	5	1	5
	MR5.9	5	1	5
	MR5.10	5	1	5
	MR5.11	5	1	5
	Mitigation & Mobility	MR6.1	5	1
MR6.2		5	1	5
MR6.3		5	1	5
MR6.4		5	1	5
MR6.5		5	1	5
MR6.6		5	1	5
MR6.7		5	1	5
MR6.8		5	1	5
MR6.9		5	1	5
MR6.10		5	1	5
MR6.11		5	1	5
Mitigation & Mobility		MR7.1	5	1
	MR7.2	5	1	5
	MR7.3	5	1	5
	MR7.4	5	1	5
	MR7.5	5	1	5
	MR7.6	5	1	5
	MR7.7	5	1	5
	MR7.8	5	1	5
	MR7.9	5	1	5
	MR7.10	5	1	5
	MR7.11	5	1	5
	Mitigation & Mobility	MR8.1	5	1
MR8.2		5	1	5
MR8.3		5	1	5
MR8.4		5	1	5
MR8.5		5	1	5
MR8.6		5	1	5
MR8.7		5	1	5
MR8.8		5	1	5
MR8.9		5	1	5
MR8.10		5	1	5
MR8.11		5	1	5
Mitigation & Mobility		MR9.1	5	1
	MR9.2	5	1	5
	MR9.3	5	1	5
	MR9.4	5	1	5
	MR9.5	5	1	5
	MR9.6	5	1	5
	MR9.7	5	1	5
	MR9.8	5	1	5
	MR9.9	5	1	5
	MR9.10	5	1	5
	MR9.11	5	1	5
	Mitigation & Mobility	MR10.1	5	1
MR10.2		5	1	5
MR10.3		5	1	5
MR10.4		5	1	5
MR10.5		5	1	5
MR10.6		5	1	5
MR10.7		5	1	5
MR10.8		5	1	5
MR10.9		5	1	5
MR10.10		5	1	5
MR10.11		5	1	5
Mitigation & Mobility		MR11.1	5	1
	MR11.2	5	1	5
	MR11.3	5	1	5
	MR11.4	5	1	5
	MR11.5	5	1	5
	MR11.6	5	1	5
	MR11.7	5	1	5
	MR11.8	5	1	5
	MR11.9	5	1	5
	MR11.10	5	1	5
	MR11.11	5	1	5
	Mitigation & Mobility	MR12.1	5	1
MR12.2		5	1	5
MR12.3		5	1	5
MR12.4		5	1	5
MR12.5		5	1	5
MR12.6		5	1	5
MR12.7		5	1	5
MR12.8		5	1	5
MR12.9		5	1	5
MR12.10		5	1	5
MR12.11		5	1	5
Mitigation & Mobility		MR13.1	5	1
	MR13.2	5	1	5
	MR13.3	5	1	5
	MR13.4	5	1	5
	MR13.5	5	1	5
	MR13.6	5	1	5
	MR13.7	5	1	5
	MR13.8	5	1	5
	MR13.9	5	1	5
	MR13.10	5	1	5
	MR13.11	5	1	5
	Mitigation & Mobility	MR14.1	5	1
MR14.2		5	1	5
MR14.3		5	1	5
MR14.4		5	1	5
MR14.5		5	1	5
MR14.6		5	1	5
MR14.7		5	1	5
MR14.8		5	1	5
MR14.9		5	1	5
MR14.10		5	1	5
MR14.11		5	1	5
Mitigation & Mobility		MR15.1	5	1
	MR15.2	5	1	5
	MR15.3	5	1	5
	MR15.4	5	1	5
	MR15.5	5	1	5
	MR15.6	5	1	5
	MR15.7	5	1	5
	MR15.8	5	1	5
	MR15.9	5	1	5
	MR15.10	5	1	5
	MR15.11	5	1	5
	Mitigation & Mobility	MR16.1	5	1
MR16.2		5	1	5
MR16.3		5	1	5
MR16.4		5	1	5
MR16.5		5	1	5
MR16.6		5	1	5
MR16.7		5	1	5
MR16.8		5	1	5
MR16.9		5	1	5
MR16.10		5	1	5
MR16.11		5	1	5
Mitigation & Mobility		MR17.1	5	1
	MR17.2	5	1	5
	MR17.3	5	1	5
	MR17.4	5	1	5
	MR17.5	5	1	5
	MR17.6	5	1	5
	MR17.7	5	1	5
	MR17.8	5	1	5
	MR17.9	5	1	5
	MR17.10	5	1	5
	MR17.11	5	1	5
	Mitigation & Mobility	MR18.1	5	1
MR18.2		5	1	5
MR18.3		5	1	5
MR18.4		5	1	5
MR18.5		5	1	5
MR18.6		5	1	5
MR18.7		5	1	5
MR18.8		5	1	5
MR18.9		5	1	5
MR18.10		5	1	5
MR18.11		5	1	5
Mitigation & Mobility		MR19.1	5	1
	MR19.2	5	1	5
	MR19.3	5	1	5
	MR19.4	5	1	5
	MR19.5	5	1	5
	MR19.6	5	1	5
	MR19.7	5	1	5
	MR19.8	5	1	5
	MR19.9	5	1	5
	MR19.10	5	1	5
	MR19.11	5	1	5
	Mitigation & Mobility	MR20.1	5	1
MR20.2		5	1	5
MR20.3		5	1	5
MR20.4		5	1	5
MR20.5		5	1	5
MR20.6		5	1	5
MR20.7		5	1	5
MR20.8		5	1	5
MR20.9		5	1	5
MR20.10		5	1	5
MR20.11		5	1	5
Mitigation & Mobility		MR21.1	5	1
	MR21.2	5	1	5
	MR21.3	5	1	5
	MR21.4	5	1	5
	MR21.5	5	1	5
	MR21.6	5	1	5
	MR21.7	5	1	5
	MR21.8	5	1	5
	MR21.9	5	1	5
	MR21.10	5	1	5
	MR21.11	5	1	5
	Mitigation & Mobility	MR22.1	5	1
MR22.2		5	1	5
MR22.3		5	1	5
MR22.4		5	1	5
MR22.5		5	1	5
MR22.6		5	1	5
MR22.7		5	1	5
MR22.8		5	1	5
MR22.9		5	1	5
MR22.10		5	1	5
MR22.11		5	1	5
Mitigation & Mobility		MR23.1	5	1
	MR23.2	5	1	5
	MR23.3	5	1	5
	MR23.4	5	1	5
	MR23.5	5	1	5
	MR23.6	5	1	5
	MR23.7	5	1	5
	MR23.8	5	1	5
	MR23.9	5	1	5
	MR23.10	5	1	5
	MR23.11	5	1	5
	Mitigation & Mobility	MR24.1	5	1
MR24.2		5	1	5
MR24.3		5	1	5
MR24.4		5	1	5
MR24.5		5	1	5
MR24.6		5	1	5
MR24.7		5	1	5
MR24.8		5	1	5
MR24.9		5	1	5
MR24.10		5	1	5
MR24.11		5	1	5
Mitigation & Mobility		MR25.1	5	1
	MR25.2	5	1	5
	MR25.3	5	1	5
	MR25.4	5	1	5
	MR25.5	5	1	5
	MR25.6	5	1	5
	MR25.7	5	1	5
	MR25.8	5	1	5
	MR25.9	5	1	5
	MR25.10	5	1	5
	MR25.11	5	1	5
	Mitigation & Mobility	MR26.1	5	1
MR26.2		5	1	5
MR26.3		5	1	5
MR26.4		5	1	5
MR26.5		5	1	5
MR26.6		5	1	5
MR26.7		5	1	5
MR26.8		5	1	5
MR26.9		5	1	5
MR26.10		5	1	5
MR26.11		5	1	5
Mitigation & Mobility		MR27.1	5	1
	MR27.2	5	1	5
	MR27.3	5	1	5
	MR27.4	5	1	5
	MR27.5	5	1	5
	MR27.6	5	1	5
	MR27.7	5	1	5
	MR27.8	5	1	5
	MR27.9	5	1	5
	MR27.10	5	1	5
	MR27.11	5	1	5
	Mitigation & Mobility	MR28.1	5	1
MR28.2		5	1	5
MR28.3		5	1	5
MR28.4		5	1	5
MR28.5		5	1	5
MR28.6		5	1	5
MR28.7		5	1	5
MR28.8		5	1	5
MR28.9		5	1	5
MR28.10		5	1	5
MR28.11		5	1	5

# Template Purpose

- ▶ To assist in review and/or development of
  - local government mobility plans
  - related plans
    - corridor management plans
    - long-term concurrency management system plans
    - other SIS impact mitigation plans
- ▶ Plan must address transportation system deficiencies
  - based on an analysis of existing conditions
  - specific community planning objectives

# Template Overview

- ▶ **Category** – indicates the overall category
- ▶ **Elements** – breaks down each category into core elements
- ▶ **Criteria Code** – a code number for each criterion to aid in cross referencing
- ▶ **Criteria** – states each specific criterion
- ▶ **Weight** – reviewer assigns weight to



The "Category" field groups related elements together.


Notice the code "SP." It is used to describe all criteria that fall within this particular category.

Category	Code	Description	Weight
Supporting Plans and Guidelines - SP - State, Regional, Local - SP1 -	SP1.1	Supports the Florida Transportation Plan, the Strategic Intermodal System Plan, and other applicable state plans and guidelines.	
	SP1.2	Consistent with adopted regional mobility plan or vision, including the MPO Long Range Transportation Plan.	
	SP1.3	Consistent with local government comprehensive plan objectives and policies as well as specialized plans.	
	ME1.1	Plan designates and reinforces strong central core(s) and urban activity centers of varying sizes and composition.	

Criteria	Weight
SP1.1	
SP1.2	
SP1.3	
ME1.1	

The “Elements” field breaks each category into core elements.


Notice that all elements are denoted by the code for their category, followed by consecutive numbering.



Category	Elements	Criteria Code	Criteria	Weight
Supporting Plans and Guidelines - SP -	State, Regional, Local - SP1 -	SP1.1	Supports the Florida Transportation Plan, the Strategic Intermodal System Plan, and other applicable state plans and guidelines.	
		SP1.2	Consistent with adopted regional mobility plan or vision, including the MPO Long Range Transportation Plan.	
		SP1.3	Consistent with local government comprehensive plan objectives and policies as well as specialized plans.	
	tion	ME1.1	Plan designates and reinforces strong central core(s) and urban activity centers of varying sizes and composition	


The “Criteria Code” field uniquely identifies each criteria.

Each criteria is assigned a consecutively numbered code to aid in cross referencing.



Category	Elements	Criteria Code	Criteria	Weight
Supporting Plans and Guidelines - SP -	State, Regional, Local - SP1 -	SP1.1	Supports the Florida Transportation Plan, the Strategic Intermodal System Plan, and other applicable state plans and guidelines.	
		SP1.2	Consistent with adopted regional mobility plan or vision, including the MPO Long Range Transportation Plan.	
		SP1.3	Consistent with local government comprehensive plan objectives and policies as well as specialized plans.	
	tion	ME1.1	Plan designates and reinforces strong central core(s) and urban activity centers of varying sizes and composition	

The “Criteria” field includes specific items to look for in the assessment.



Category	Elements	Criteria Code	Criteria	Weight
Supporting Plans and Guidelines - SP -	State, Regional, Local - SP1 -	SP1.1	Supports the Florida Transportation Plan, the Strategic Intermodal System Plan, and other applicable state plans and guidelines.	
		SP1.2	Consistent with adopted regional mobility plan or vision, including the MPO Long Range Transportation Plan.	
		SP1.3	Consistent with local government comprehensive plan objectives and policies as well as specialized plans.	
	tion	ME1.1	Plan designates and reinforces strong central core(s) and urban activity centers of varying sizes and composition	

Weight	Value	Score	Maximum Points Available	
5	2	10	10	Express planning
5	2	10	10	MPO plan improvement
5	2	10	10	Yes, plan to be included
5	2	10	10	Maps prepared
5	2	10	10	
3	0	0	6	May be included
3	2	6	6	
3	2	6	6	
3	2	6	6	
3	2	6	6	TND - F
5	2	10	10	
3	2	6	6	Shared etc.

**Weight:** Criteria are ranked and weighted according to their importance to maintaining mobility, mitigating congestion, or meeting modal objectives

- 5: Essential
- 3: Valuable
- 1: Supportive
- 0: Not applicable

Criteria considered essential are assigned a weight of 5. If the criteria are valuable or supportive, a 3 or 1 would be assigned.

Values are assigned based on these guidelines:

**Value:** The value assigned to the criteria relative to the degree it is addressed in the plan

- 2: Strongly
- 1: Moderately
- 0: Not

Weight	Value	Score	Maximum Points Available	
5	X 2	= 10	10	Express planning
5	X 2	= 10	10	MPO p improv
5	X 2	= 10	10	Yes, pl to be it
5	X 2	= 10	10	Maps p
5	X 2	= 10	10	
3	X 0	= 0	6	May be
3	X 2	= 6	6	
3	X 2	= 6	6	
3	X 2	= 6	6	
3	X 2	= 6	6	TND - F
5	X 2	= 10	10	
3	X 2	= 6	6	Shared etc.

The Score for each criteria is equal to the Weight multiplied by the Value for each criteria.

$$\text{Score} = \text{Weight} \times \text{Value}$$

The Maximum Points Available for each criteria is equal to the Weight multiplied by the highest Value possible, being "2".

$$\text{Max Points Available} = \text{Weight} \times 2$$

All category scores are compiled into a table at the bottom of the template. This is used to determine the overall score, as a percentage, for the plan.

The percent achieved for each category must equal or exceed 50%.

**Summary and Decision**

Plan Level	
0%-50%	Level I
51%-75%	Level II
76%+	Level III
Clear All	

**Category Results (Each category must achieve >50%)**

	Max. Available	% Achieved	Total Score
Supporting Plans and Guidelines	30	100%	30
Multimodal Environment	76	89%	68
Network Improvement	118	100%	118
Operations and Safety	108	51%	55
Funding and Implementation	46	89%	41
<b>Total Plan Score</b>	378	<b>83%</b>	<b>312</b>

The score is then compared to Plan Levels.

In this example, the score is above 76% and therefore the plan is at Level III and would merit FDOT approval and implementation support.