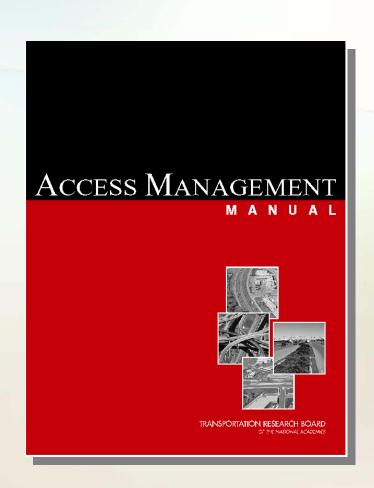
Access Management

Instructors:

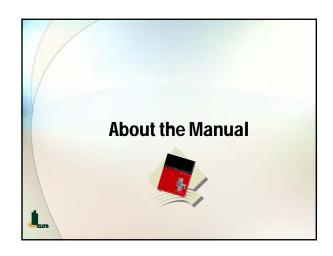
Kristine M. Williams, AICP Vergil G. Stover, PhD, P.E.



Center for Urban
Transportation Research
University of South Florida







Why a Manual? To capture the state-of-the-art To provide one comprehensive source for access management guidance To expand national awareness of access management



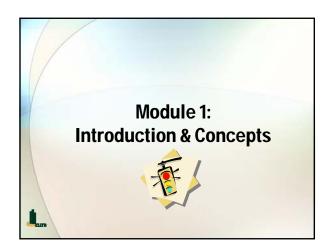
In Summary

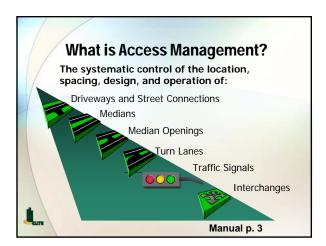
- The Manual is:
 - a valuable guide for establishing and administering AM programs
 - a great tool for project design & development
 - a comprehensive source of recent technical info
- The Manual does not establish national standards and warrants

Workshop Overview

- Introduction and Concepts
- Effects of Access Management
- Roadway Classification & Access
- Land Development and Access
- Access Location, Spacing and Design
- Other Contents





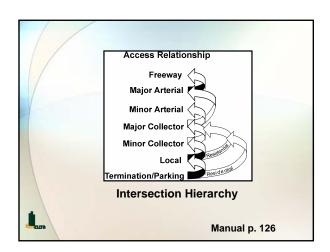


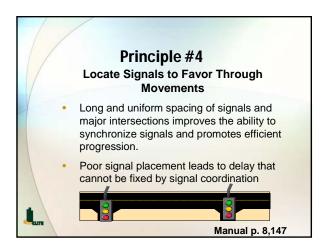
How is AM Accomplished? 1. Policies, procedural directives, and guidelines (standards vs. guidelines) 2. Access management regulations 3. Acquisition of access rights 4. Land development regulations 5. Development review and impact assessment 6. Geometric design Manual p. 6

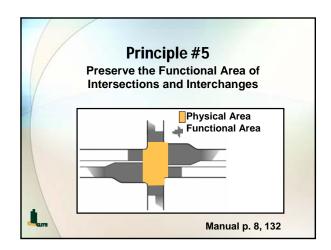
Principles of AM #1 Provide a Specialized Roadway System • Roads should be designed and managed according to the functions they are expected to serve. • Manual p. 7,123

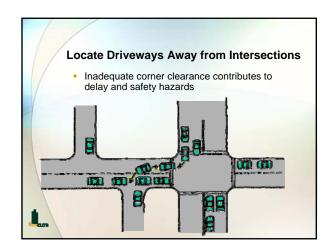
Principle #2 Limit Direct Access to Major Roadways • Roadways serving higher volumes of through traffic over longer distances require more access control. • Frequent, direct access is more compatible with the function of local and minor collector roadways. Manual p. 7, 125

Principle #3 Promote Intersection Hierarchy Provide transitions from one stage of a trip to the next "The failure to accommodate each trip stage by suitable design is a prominent cause of highway obsolescence..." AASHTO Driveways are at-grade intersections Manual p. 8, 126

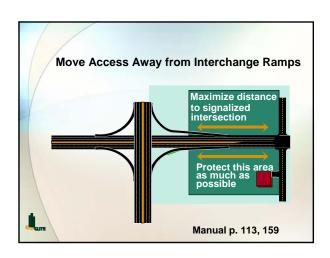


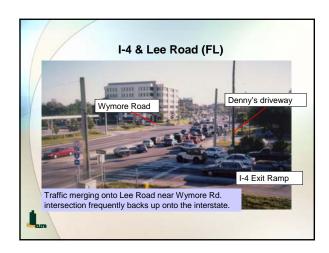


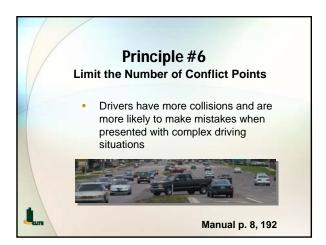


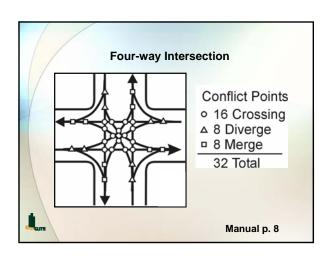


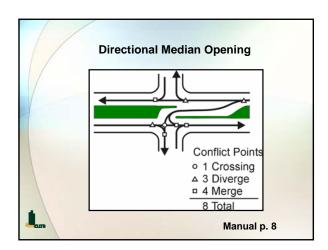


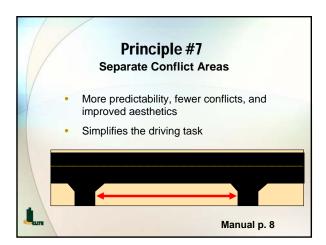


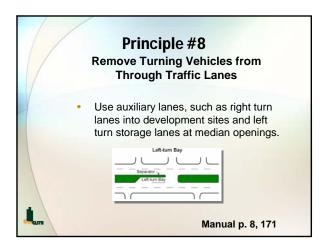


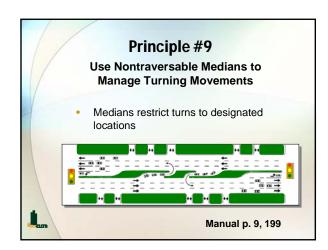


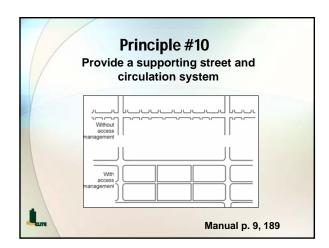






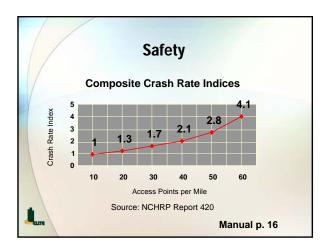


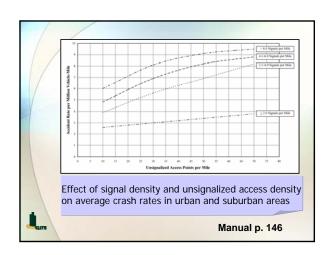


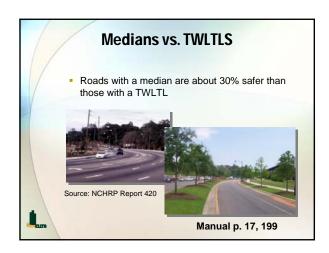


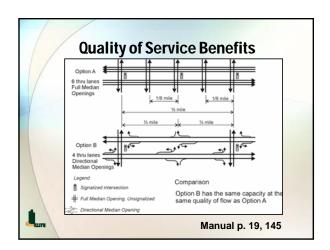


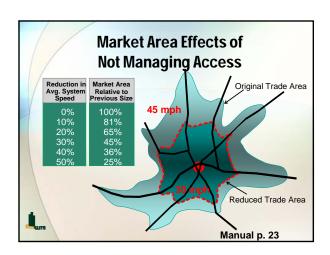


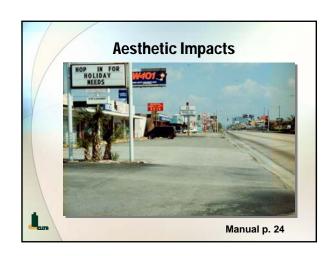




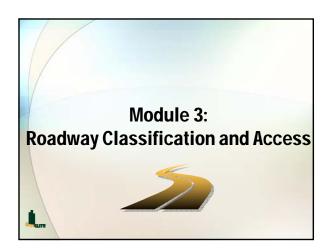










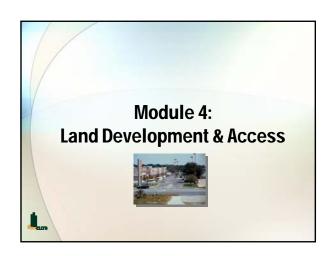


Access Classification 1. Develop hierarchy of access levels (classes) 2. Establish appropriate access mgt. standards for each access class 3. Assign the classification to each roadway or segment • Level of importance vs. existing characteristics

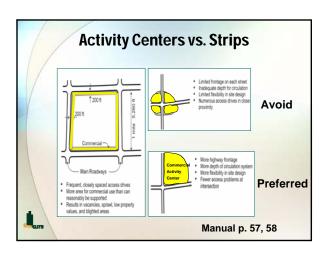
Manual p. 7

Table o	f access categories, wi	th approximate descriptions	
	F-W Interstate System	n, Freeway Facilities	
	E-X Expressway	, Major Bypass	
Rural		Non-Rural	
R-A	Regional Highway	NR-A Regional Highway	
R-B	Rural Highway	NR-B Arterial	
		NR-C Arterial	
	F-R Frontage Roads (I	both urban and rural)	

Roadway Category	Driveway Spacing	Corner Clearance
Major arterial	1000 ft.	1000 ft.
Minor arterial	600 ft.	600 ft.
Major collector	100 ft.	100 ft.
Minor collector	-	50 ft.
Local	-	10 ft.

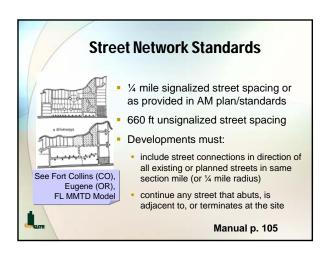


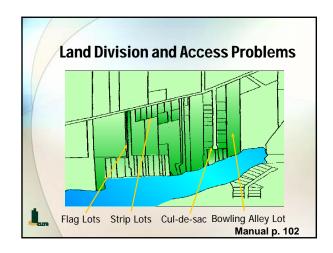


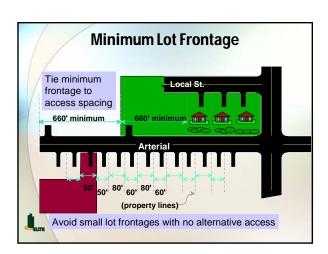


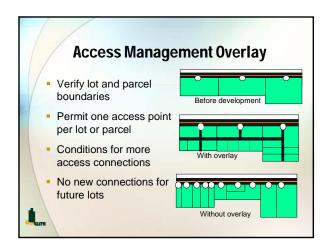




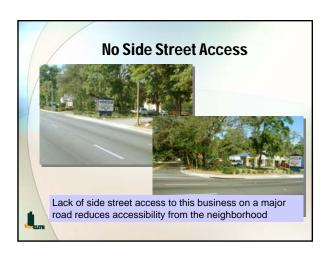


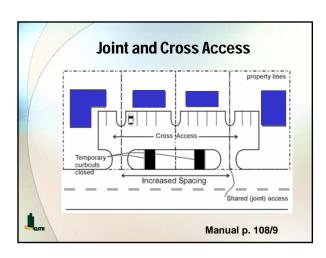


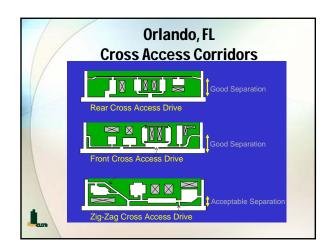


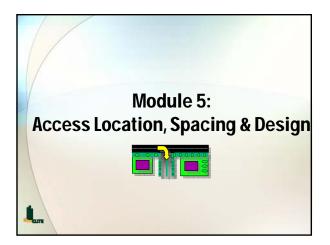




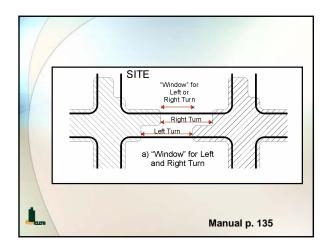


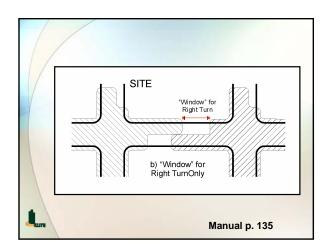


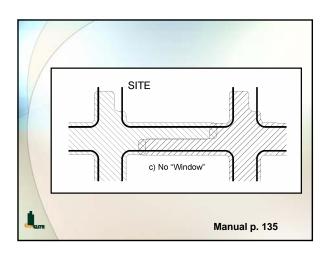


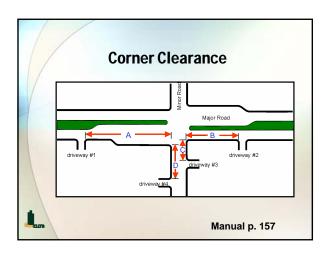


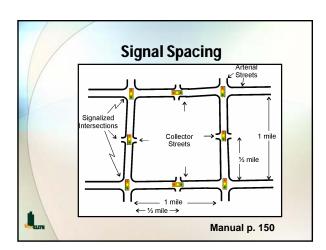
Steps in Locating Access 1. Identify nearby access connections 2. Arrange in order of importance 3. Define up-stream functional distances 4. Define down-stream functional distances 5. Identify the "access window" 6. Ascertain flexibility 7. What if there is no window? Manual p. 133

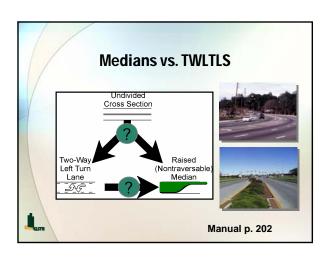


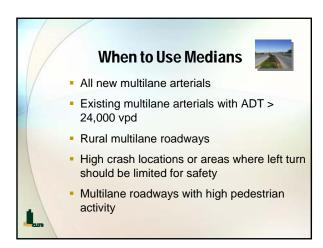


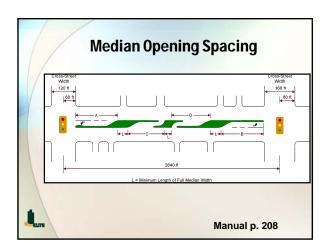


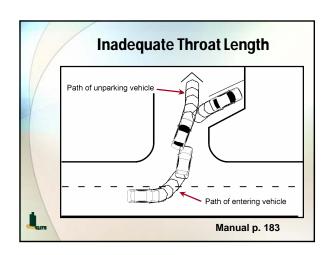






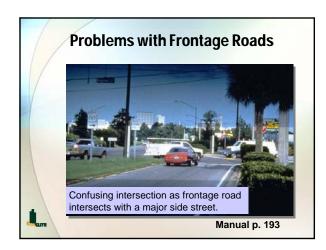






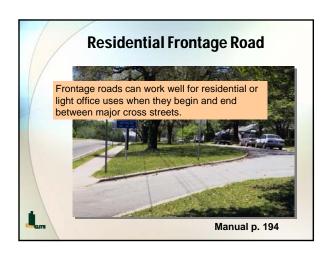


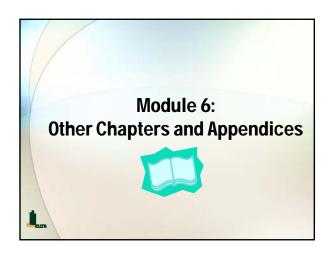
	Minimu	ım Throat Le	ngths				
	Minimum Driveway Throat Length at Signalized Access Drives						
	Number of Egress Lane	Minimum Throat Length					
		Feet	Meters				
	2	75	25				
	3	200	60				
	4	300	95				
Lun			Manual p. 185				

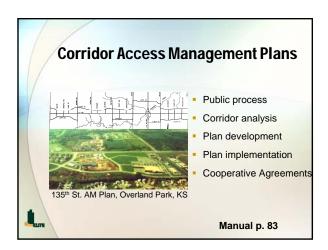




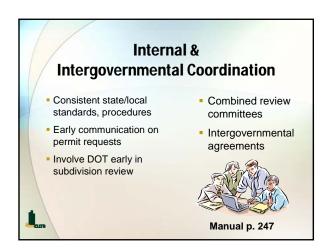






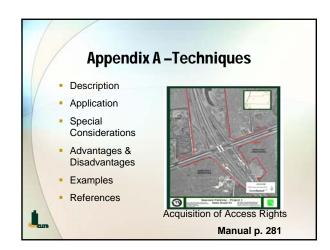












Other Appendices Appendix B – Case Examples of State and Local Access Categories Appendix C – Statute Prototypes & Regulatory Elements Appendix D – Glossary of Terms Manual pp. 335-367



