



2013 Plans Preparation Manual Update Training

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Chapter 7

Traffic and ITS Design



Chapter 7

Reformatting of Sections

- Section 7.1 - General
- Section 7.2 - **Signing**
- Section 7.3 - Lighting
- Section 7.4 - Traffic Signals
- Section 7.5 - ITS
- Section 7.6 - **Pavement Marking**
- **Section 7.7 - Foundation Design**



Section 7.1 - General

7.1.2.2 Median Traffic Railings

If sign supports must be attached to or placed on a median traffic railing, utilize Index 11871.



7.1.2.2 Median Traffic Railings

For permanent signs, Index 11871 can only be used for the following signs which are considered critical to safety:

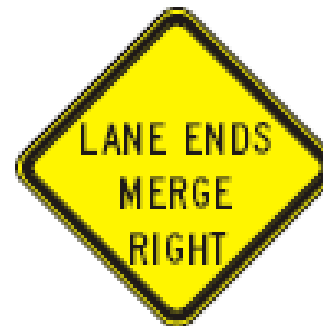
- No U-Turns (R3-4) w/ Official Use Only ([FTP 65-06](#))
- Left Lane Ends (W9-1), Lane Ends Merge Right (W9-2)
- Merge Symbol (W4-2)



R3-4



W9-1L



W9-2R



W4-2L



7.1.2.2 Median Traffic Railings

For all temporary/work zone signs, when Index 600 cannot be achieved for post mounted signs and barrier or traffic railing exists, Index 11871 shall be used.

Index 11871 can only be used to mount permanent signs to bridge inside shoulder traffic railings if there is insufficient space for Index 11870, and when the sign is critical to safety. Otherwise, Design Standard Index 11870 shall be used.



Section 7.2 - Signs

7.2.3 Use of Overhead Signs on Freeways and Expressways

Section 2A.17 of the MUTCD lists thirteen optional conditions where overhead signs have value on freeways and expressways. This section specifies the specific conditions which shall apply for certain locations.



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Overhead signs shall be used for freeway and expressway Exit Direction signs when any of the following conditions exists:





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Overhead signs shall be used for freeway and expressway Exit Direction signs when any of the following conditions exists:

1. Interchange Spacing \leq 3 Miles
2. Left Exits on Freeways
3. Three or More Through Lanes (When Determined by the District Design Engineer to be Appropriate)



7.2.3 Use of Overhead Signs on Freeways and Expressways

Overhead signs shall be used for freeway and expressway Advance Guide signs when any of the following conditions exists:





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Overhead signs shall be used for freeway and expressway Advance Guide signs when any of the following conditions exists:

1. Interchange Spacing ≤ 3 Miles
2. Left Exits on Freeways
3. Freeway to Freeway Ramps ($\frac{1}{2}$ mile and 2 mile, 1 mile required by MUTCD)



7.2.3 Use of Overhead Signs on Freeways and Expressways

Overhead advance guide signs shall be placed over the shoulder with the edge of the sign aligned with the edge of the traveled way unless otherwise shown in the MUTCD. Overhead exit signs shall extend over the ramp.





Chapter 13

Initial Engineering Design Process



Section 13.5 – Support Services

13.5.1 Aviation Office Coordination

While the responsibility for filing FAA notifications and permitting applications for FDOT Airspace Obstruction Permits or Variances to the local ordinance rests with the Engineer of Record, the FDOT Aviation Office ~~is available to~~ will provide technical assistance on planned projects ~~that may~~ to determine impact the national airspace system in Florida.



Questions ???