



Quiet Zone Presentation

City of Miami Springs



AGENDA



Overview

- Florida East Coast Industries (FECI)
- Quiet Zone background
- Federal Regulations (USDOT/FRA)
- MPO/Miami-Dade County
- Next Steps



QUIET ZONES BACKGROUND



- All public crossings must have gates, lights, Constant Warning Time (where practical), and Power Out Indicator.
- The inventory information for each crossing in the Quiet Zone must be accurate and complete prior to establishing the Quiet Zone.
- State DOT or Railroad may update a crossing inventory.
- Must comply with Manual on Uniform Traffic Control Devices (MUTCD).



QUIET ZONE REGULATIONS



- Locomotive Horn Rule—49 CFR 222.1-Purpose
 - The purpose of this part is to provide for safety at public highway-rail grade crossings by requiring locomotive horn use at public highway grade crossings except in quiet zones established and maintained in accordance with this part.
- NOT the Quiet Zone Rule
- PERMITS Quiet Zones
- Does NOT PROMOTE them

WHO CAN APPLY FOR A QUIET ZONE?



- Only the public authority can apply to the Federal Rail Administration for a Quiet Zone.
- If more than one public authority is involved, all must agree to the Quiet Zone.
- If any public authority does not want to pay for improvements, they can refuse, but there can still be a Quiet Zone established.
- Miami-Dade MPO must include the Quiet Zones in their long range plans, in order to use funding for them.
- FDOT created a grant program to fund Quiet Zones in 2014.

RAILROAD RESPONSIBILITY



- Railroads cannot prohibit the creation of a Quiet Zone.
- Railroads may sound the horn in a Quiet Zone at the sole judgement of the engineer .
- The railroad engineer is not required to sound the horn in the event of an emergency.
- Railroad coordinates all the Supplementary Safety Measures (SSM) required to implement the Quiet Zones.

SUPPLEMENTARY SAFETY MEASURES



- 4 quad gates
- Channelization and median barriers
- One way roads
- Temporary closure
- Permanent closure



4 QUAD GATES



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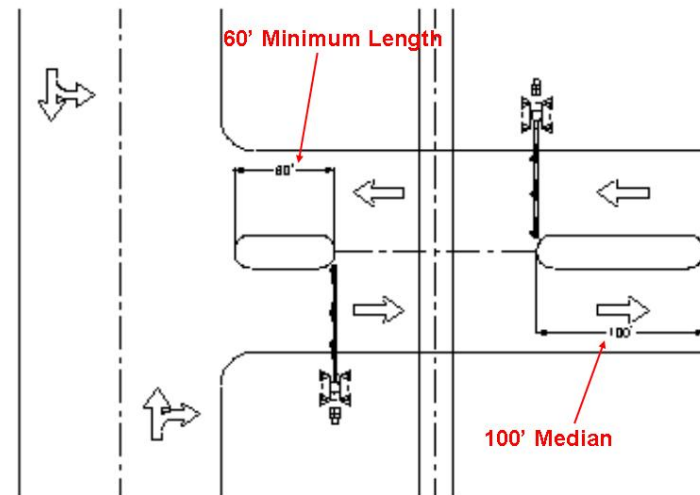
Non-Traversable Median



Traversable Channelization



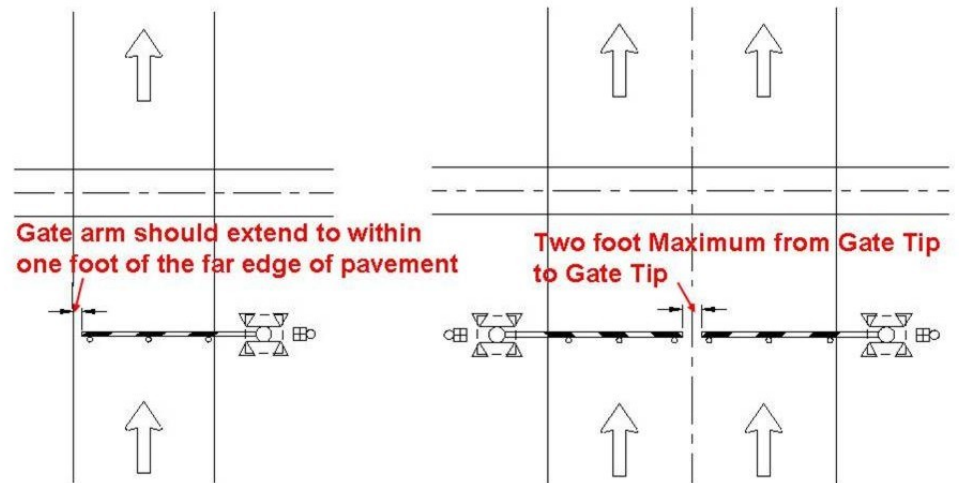
Gates with Medians or Channelization Devices



ONE WAY STREETS



One Way Street with Gate(s)



TEMPORARY & PERMANENT CLOSURES



- Only times permitted are between 10 p.m. and 7 a.m.
- Must be enforced 7 days per week.
- Coordinate with other jurisdictions to close un-necessary and under-utilized crossings.



TRAIN HORN SOUND LEVELS



- As of June 24, 2005, train horn sound level must be between 96 dB(A) and 110 dB(A). No exceptions
 - Older locomotives will have 5 years to be tested and certified for compliance
 - New locomotives must be certified as of the date of manufacture. Rebuilt locomotives must be certified at the time they are rebuilt
- New FECR GE trains comply with this requirement, although the pitch on these trains seems higher.



AERIAL

