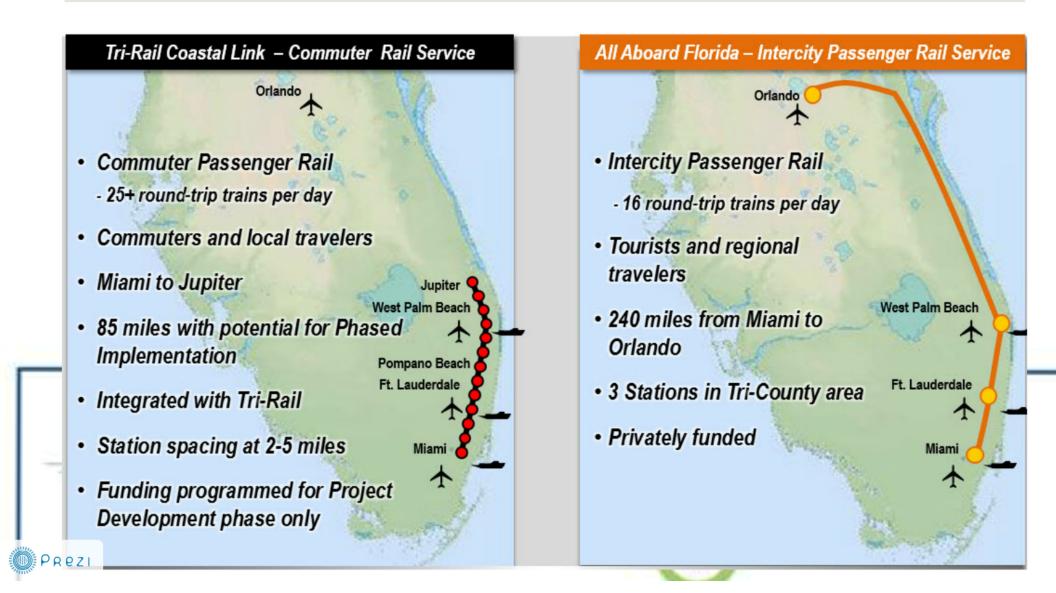


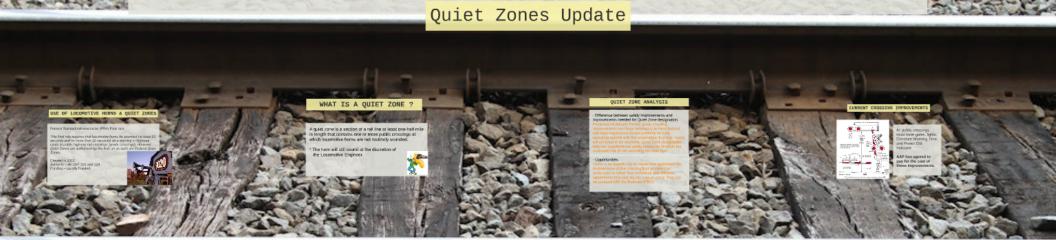


Tri-Rail Coastal Link (TRCL) & All Aboard Florida (AAF)



Development phase only

FLORIDA EAST COAST (FEC) CORRIDOR WORKSHOP





Hospitals

Existing Rail Crossings

PREZI Number of Households within a Quarter Mile

USE OF LOCOMOTIVE HORNS & QUIET ZONES

Federal Railroad Administration (FRA) Final rule:

This final rule requires that locomotive horns be sounded (at least 15 seconds and no more than 20 seconds) as a warning to highway users at public highway-rail crossings (grade crossings). However Quiet Zones are authorized by the feds an as such are Federal Quiet Zones.

Created in 2011 Authority – 49 CRF 222 and 229. Funding – Locally Funded.



WHAT IS A QUIET ZONE ?

A quiet zone is a section of a rail line at least one-half mile in length that contains one or more public crossings at which locomotive horns are not routinely sounded.

* The horn will still sound at the discretion of the Locomotive Engineer.





QUIET ZONE ANALYSIS

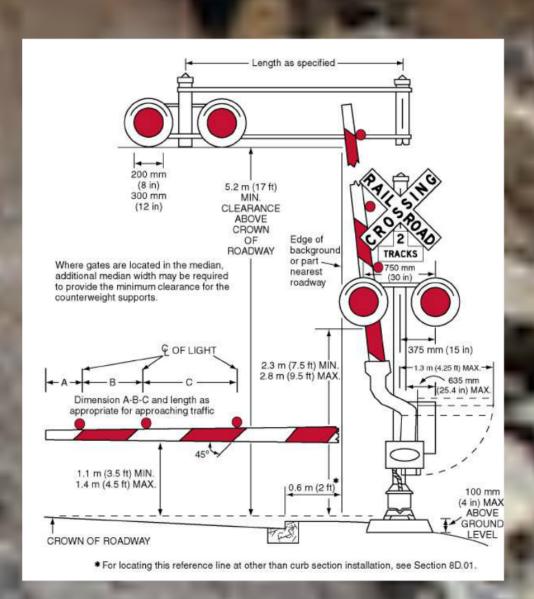
- Difference between safety improvements and improvements needed for Quiet Zone designation. Proposed All Aboard Florida grade crossing improvements are those necessary to meet federal and state regulations based primarily on train operating speeds with the assumption that train horns will continue to be sounded. Quiet Zone designation requires supplemental safety measures to offset the increased risk of not sounding the train horn.

- Opportunities.

There is an opportunity to create one agreement for maintenance of the crossing that all cities can participate in rather than individual and different agreements that vary by city and crossing. This can be pursued with the Railroad (FEC).



CURRENT CROSSING IMPROVEMENTS



All public crossings must have gates, lights, Constant Warning Time, and Power Out Indicator.

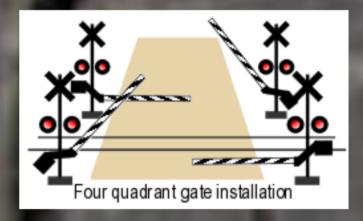
AAF has agreed to pay for the cost of these improvements.



NEW QUIET ZONES IMPROVEMENTS

There are only five types of supplementary safety measurements (SSM).

1. 4 Quadrant Gates.



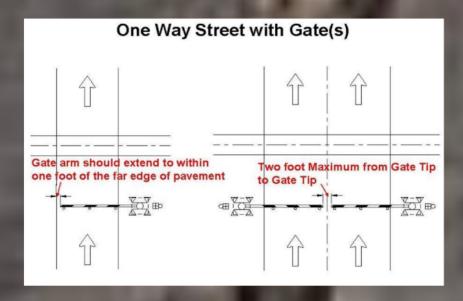
2. Raised Median





NEW QUIET ZONES IMPROVEMENTS (continued)

3. One Way Roads.



- Temporary Closure.
 Only permitted between 10 p.m. and 7 a.m. Must be enforced 7 days per week. (Horns will sound during the day).
- 5. Permanent Closure.
 This means one less crossing where a horn is sounded.



FINANCIAL GUIDANCE

- Local Government entities will make the ultimate decision to pursue quiet zones and how to implement the recommendations available in the report FDOT has developed for Broward County.
- Should a local government wish to implement a quiet zone improvement on a state owned facility that crosses the FEC corridor, FDOT will not provide any State capital funding, but will accept the increase in operations and maintenance costs due to the quiet zone improvement.
- The estimated safety improvement costs are as shown on the Broward County summary spreadsheet. The funding source is to be determined. Federal and private sources will have to be investigated
- Funding for future maintenance of the crossing, has to be determined in the provision of the Railroad (FEC) and Municipality agreement covering the upgrades.



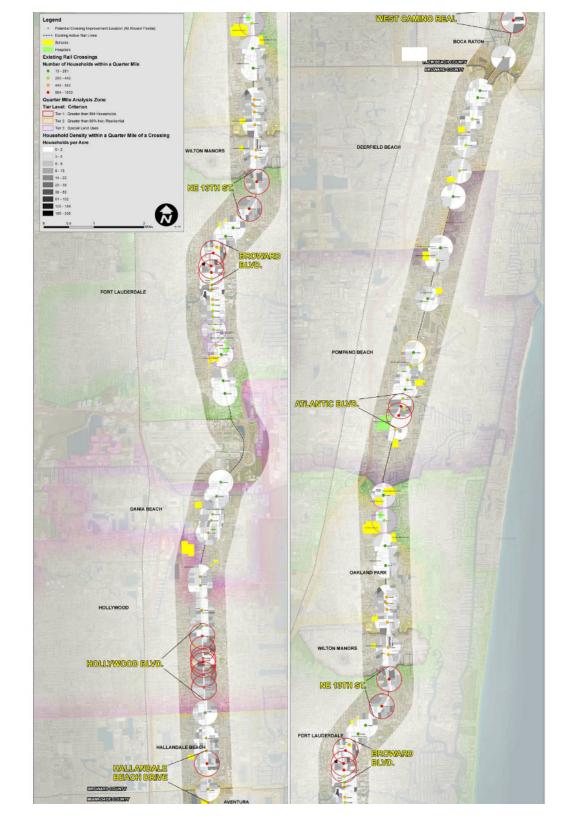
WHERE WILL QUIET ZONES BE LOCATED

Where are quiet zones proposed warranted?

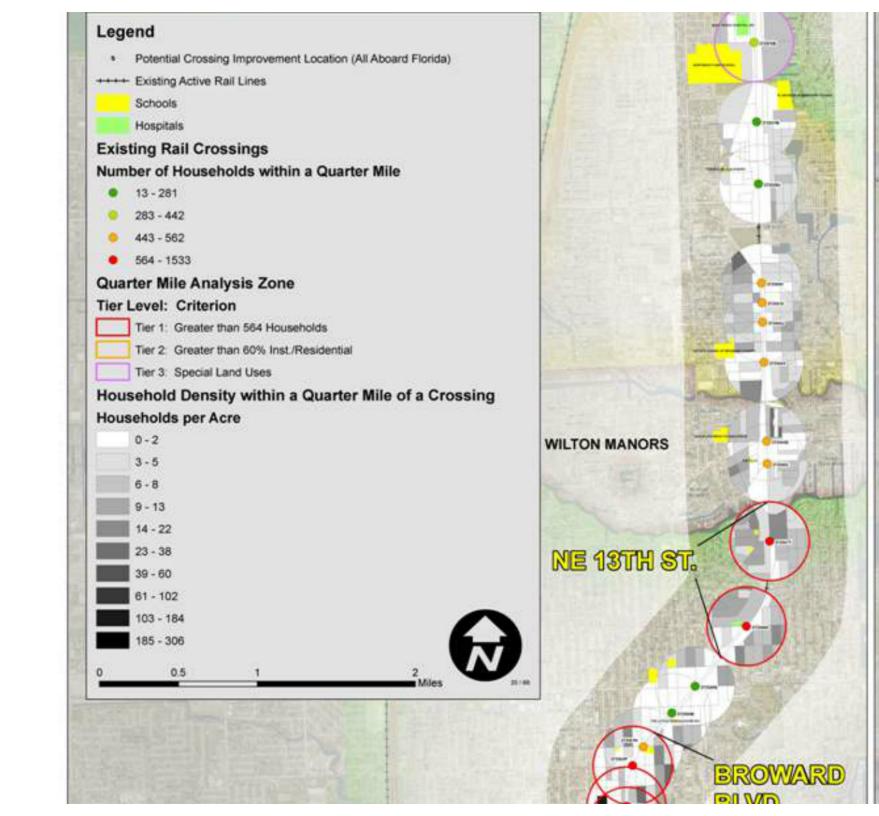
FDOT has identified sensitive areas where population, density and land use indicate the greatest benefit to quality of life. Additionally, FDOT has performed field diagnostics in collaboration with All Aboard Florida (AAF) at all public at grade crossings in Broward County along the FEC corridor.

Need Guidance?

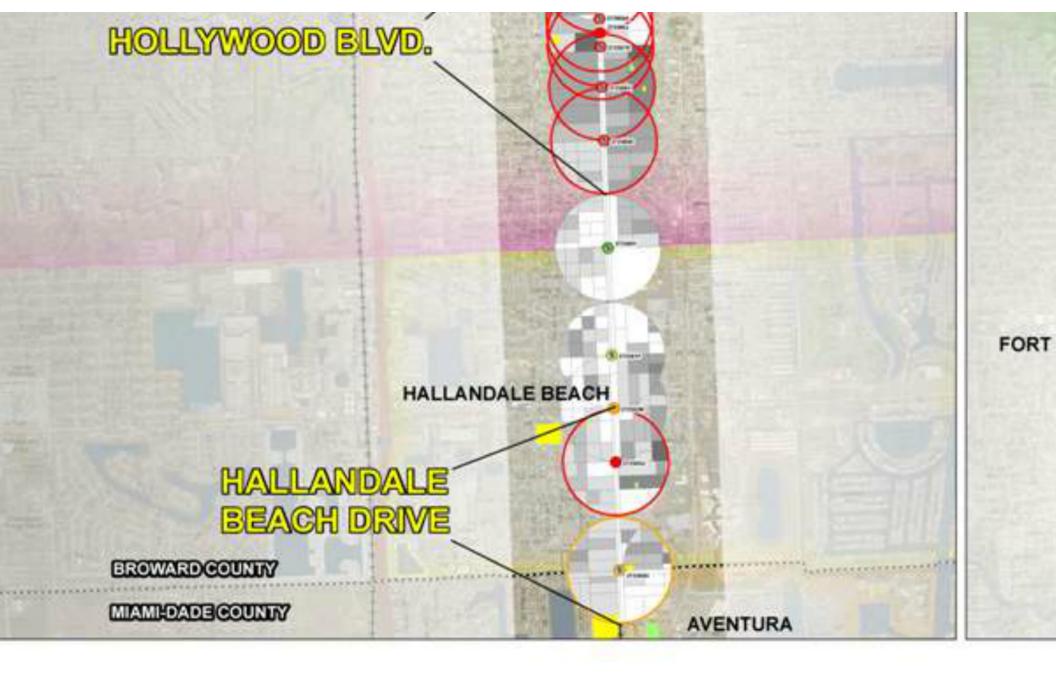


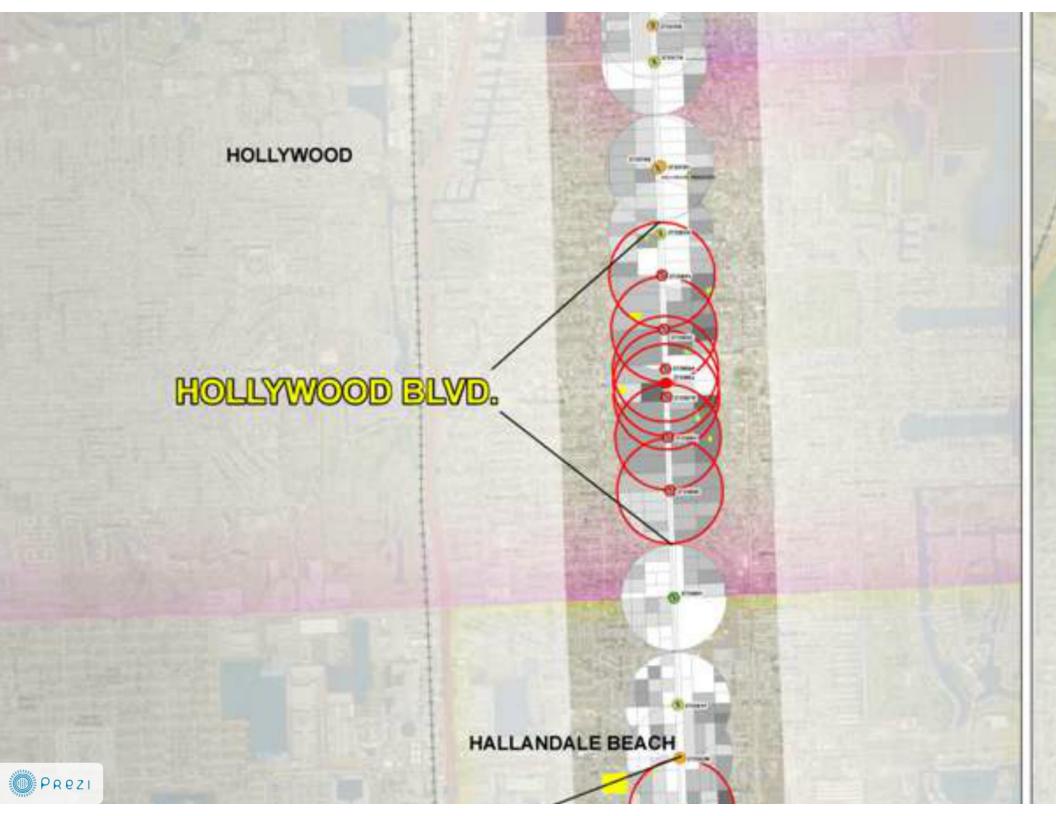


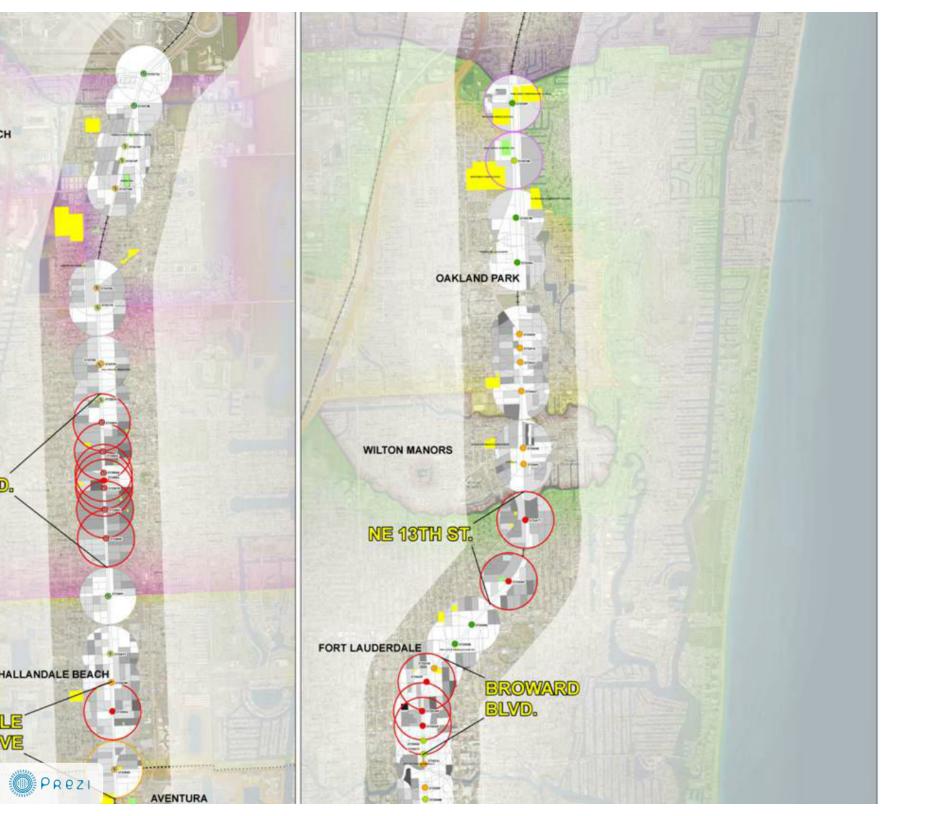














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QUIET ZONES COUNTY SUMMARY BROWARD COUNTY

Template Number	Jurisdiction	From/To	Delineation	Crossings	Proposed QZ Crossing \$*	Other QZ Crossing \$
1	Deerfield Beach (Non-Quiet Zones)	NE 2 nd Street to SW 15 th St.	M.P. 326.81 - M.P. 328.48 M.P. 329.00 - M.P. 330.05	6**		1,225,000
2	Pompano Beach (Quiet Zone)	SR 814/W. Atlantic Blvd. to SW 3 rd St.	M.P. 333.14- M.P. 333.51	3	800,000	
2	Pompano Beach (Non Quiet Zone)	NE 48 th St. SR 834 Sample Road to NE 3 rd St. And SW 6 th St.	M.P. 328.48 – M.P. 329.0 M.P. 330.05 – M.P. 332.97 And M.P. 333.51 - M.P. 333.79	1 7** 1		250,000 1,175,000 200,000
3	Ft. Lauderdale (Quiet Zone)	NE 17 th Ct. to SW 2 nd St.	M.P. 338.80- M.P. 34116	10	2,050,000	
3	Ft. Lauderdale (Non Quiet Zone)	NE 62 nd St. to NE 56 th St. And River Walk to SW 24 th St.	M.P. 335.13.00–M.P. 335.63 And M.P. 341.23 - M.P. 343.09	10		500,000 1,550,000
4	Oakland Park (Non Quiet Zone)	SR 870/E. Commercial Blvd. to Oakland Park Blvd.	M.P. 336.14- M.P. 337.67	6		1,300,000
5	Wilton Manors (Non Quiet Zone)	NE 26 th St. to NE 24 th St.	M.P. 338.16 – M.P. 338.30	2		400,000
6	Dania Beach (Non Quiet Zone)	Griffen Rd. to Sheridan St.	M. P. 345.38 – M.P. 347.13	7		1,500,000
7	Hollywood (Quiet Zone)	Garfield St. to Washington St.	M.P. 348.07 – M.P. 349.29	8	1,500,000	
7	Hollywood (Non Quiet Zone)	Taft St.	M.P. 347.75 to 348.07	1		200,000
8	Hallandale Beach (Quiet Zone)	SR 824/Pembroke Road to NE 215 th St.	M.P. 349.80 to M.P. 351.32	5	1,050,000	
Total				26 Proposed QZ Crossings 41 Potential QZ Crossings	5,400,000	8,300,000



BROWARD COUNTY ed Quiet Zone Analysis Map



