

Debunking lives saved by All Aboard Florida!

Does AAF really want to have a conversation around whose life is more important? Is it the life of a business or tourist traveler riding on a train or the life of a resident living in a community along that train's right of way?

AAF publically states the Purpose of its Project: "This transportation service would offer a safe and efficient alternative to automobile travel on congested highway corridors". Only one problem - NOT TRUE. For train passengers, perhaps this might be a true statement. For residents along the path of the train, this statement is DECIDEDLY false. Those residents bear the brunt of the safety impact. FNAA researchers have examined both highway safety statistics and the last 15 years of FEC's safety record. They have estimated the added risk of 32 added trains traveling at much higher speeds and conclude exactly the opposite:

AAF kills people along the train's right of way – far more people than the traffic fatalities saved by diverting auto trips to train trips.

The lives AAF will save by diverting vehicles from Florida's highways: 1.15 lives per year, saved. Only problem: we found AAF's trains are going to kill 29 people a year!

The calculations:

Vehicle Fatalities

- [Florida's Interstate highway fatality rate](#) is 1.28 fatalities per 100 million vehicles miles (1996 data)
- AAF DEIS [Appendix 3.3 F Ridership and Revenue Study Summary](#), Table 3, p.6, claims AAF will divert 442,937 auto vehicle trips to AAF annually by 2019
- Google Maps measures the following highway miles from Orlando International Airport (MCO) to the following cities via the following highway routes:

○ MCO to West Palm Beach	167 miles	FL Turnpike
○ MCO to Ft. Lauderdale	203 miles	FL Turnpike/I-95
○ MCO to Miami	239 miles	FL Turnpike/I-95

To simplify our calculation, we shall select the middle city, Ft. Lauderdale, and assume these diverted vehicle trips will be 203 miles on average

- $(442,937 \text{ annual vehicles} \times 203 \text{ miles}) \times (1.28 \text{ fatalities}/100,000,000 \text{ miles}) = 1.15 \text{ annual fatalities saved by vehicle diversion to AAF}$

Train Fatalities

- The research found FEC's 15 year safety record between Cocoa and Miami as 50 crossing accident fatalities plus 171 trespasser fatalities for a total of 221 deaths in 15 years, or 14.73 deaths/year*
- Adding 32 AAF trains, traveling at 110 mph shared with 14 existing freight trains is estimated to increase the opportunity for accidents, injuries and fatalities by more than 300%. This adds $2 \times 14.7 = 29.4$ fatalities/year due to the added AAF operation.

Increase Fatalities by a factor of 25 - now that's a Plan!

* Data calculated by FNAAs researchers and detailed in the following appendices

1) All crossing incidents including vehicles, bicycles and pedestrians 15 year period 1999 through 2013 [235 events](#)
[link to table 1 here](#)

2) All crossing fatalities including vehicles, bicycles and pedestrians 15 year period 1999 through 2013 [50 deaths](#)
[table 2 here link to](#)

3) All crossing injuries including vehicles, bicycles and pedestrians 15 year period 1999 through 2013 [70 injuries](#)
[link to table 3 here](#)

4) All trespasser fatalities not at crossings 15 year period 1999 through 2013 [171 deaths](#)
[link to table 4 here](#)

5) All trespasser injuries not at crossings 15 year period 1999 through 2013 [85 injuries](#)
[link to table 5 here](#)

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Table 1 All Crossing Incidents
FEC Accident Statistics Miami to Cocoa---Total Number Of Incidents At Crossings

<u>Year</u>	<u>Miami/Dade</u>	<u>Broward</u>	<u>Palm Beach</u>	<u>Martin</u>	<u>St Lucie</u>	<u>Indian River</u>	<u>Brevard</u>
2013	4	4	4	1	0	1	1
2012	1	2	5	1	0	1	1
2011	0	6	4	0	0	0	1
2010	2	3	2	0	0	0	2
2009	0	4	2	0	0	0	2
2008	0	2	4	1	0	0	2
2007	7	4	13	1	1	2	3
2006	3	7	8	2	1	2	4
2005	3	4	8	3	0	0	3
2004	3	8	14	0	1	0	0
2003	1	3	4	1	0	1	2
2002	1	3	3	1	0	1	4
2001	2	2	4	0	3	0	4
2000	2	2	6	0	0	0	0
1999	2	5	6	2	0	1	2
Totals	31	59	87	12	6	9	31

Total 15 Years Along AAF Corridor: 235 Crossing Incidents

Includes all crossing events on the proposed AAF rail corridor including vehicles, bicycles and pedestrians.

Doc FEC 01(All Crossing Events) Rev 10/11/2014

Table 2 Crossing Fatalities
FEC Accident Statistics Miami to Cocoa---Total Number Of Fatalities At Crossings

<u>Year</u>	<u>Miami/Dade</u>	<u>Broward</u>	<u>Palm Beach</u>	<u>Martin</u>	<u>St Lucie</u>	<u>Indian River</u>	<u>Brevard</u>
2013	0	1	3	0	0	1	1
2012	0	1	2	0	0	0	0
2011	0	2	1	0	0	0	0
2010	0	0	2	0	0	0	0
2009	0	2	0	0	0	0	0
2008	0	0	1	0	0	0	0
2007	0	0	2	0	0	0	1
2006	0	1	0	0	0	0	2
2005	0	2	2	1	0	0	0
2004	1	4	2	0	0	0	0
2003	0	0	0	0	0	1	0
2002	0	1	0	1	0	0	2
2001	0	0	1	0	0	0	1
2000	0	0	4	0	0	0	0
1999	0	2	0	0	0	1	1
Totals	1	16	20	2	0	3	8

Total 15 Years Along AAF Corridor: 50 Crossing Fatalities

Includes all crossing fatalities on the proposed AAF rail corridor including vehicles, bicycles and pedestrians.

Doc FEC 02(All Crossing Fatalities) Rev 10/11/2014

Table 3 Crossing Injuries
FEC Accident Statistics Miami to Cocoa---Total Number Of Injuries At Crossings

<u>Year</u>	<u>Miami/Dade</u>	<u>Broward</u>	<u>Palm Beach</u>	<u>Martin</u>	<u>St Lucie</u>	<u>Indian River</u>	<u>Brevard</u>
2013	0	1	0	1	0	0	0
2012	1	1	2	0	0	0	0
2011	0	2	1	0	0	0	0
2010	0	2	0	0	0	0	1
2009	0	2	0	0	0	0	2
2008	0	1	1	1	0	0	2
2007	3	1	2	1	1	1	0
2006	0	2	2	1	0	0	0
2005	0	0	1	0	0	0	0
2004	1	2	4	0	1	0	0
2003	0	1	2	0	0	2	3
2002	0	1	2	0	0	0	0
2001	0	0	2	0	0	0	1
2000	0	0	4	0	0	0	0
1999	0	3	4	0	0	0	1
Totals	5	19	27	4	2	3	10

Total 15 Years Along AAF Corridor: 70 Crossing Injuries

Includes all crossing injuries on the proposed AAF rail corridor including vehicles, bicycles and pedestrians.

Doc FEC 03(All Crossing Injuries) Rev 10/11/2014

Table 4 Trespasser Injuries
FEC Accident Statistics Miami to Cocoa---Total Number Of Trespasser Injuries

<u>Year</u>	<u>Miami/Dade</u>	<u>Broward</u>	<u>Palm Beach</u>	<u>Martin</u>	<u>St Lucie</u>	<u>Indian River</u>	<u>Brevard</u>
2013	0	0	3	0	0	0	0
2012	1	0	0	0	0	1	0
2011	0	2	0	0	1	1	1
2010	0	3	0	0	1	0	2
2009	1	1	0	0	0	0	0
2008	2	1	0	0	0	0	0
2007	0	3	6	0	0	0	0
2006	1	1	3	0	0	0	1
2005	0	2	1	0	0	0	1
2004	2	2	3	0	0	0	0
2003	2	3	1	1	0	0	0
2002	0	2	2	0	1	0	1
2001	0	3	1	2	0	0	0
2000	3	4	2	0	0	2	1
1999	0	5	0	0	0	0	2
Totals	12	32	22	3	3	4	9

Total 15 Years Along AAF Corridor: 85 Trespasser Injuries

Includes all trespasser injuries on the proposed AAF rail corridor

Doc FEC 04(All Trespasser Injuries) Rev 10/11/2014

Table 5 Trespasser Fatalities
FEC Accident Statistics Miami to Cocoa---Total Number Of Trespasser Fatalities

<u>Year</u>	<u>Miami/Dade</u>	<u>Broward</u>	<u>Palm Beach</u>	<u>Martin</u>	<u>St Lucie</u>	<u>Indian River</u>	<u>Brevard</u>
2013	1	3	4	0	0	0	0
2012	3	1	3	0	0	0	5
2011	1	4	6	1	0	0	0
2010	1	4	3	0	0	1	4
2009	4	1	2	0	0	0	1
2008	2	2	4	0	0	0	1
2007	1	4	5	0	0	4	2
2006	3	3	4	1	0	0	1
2005	0	4	3	0	2	1	5
2004	0	1	2	3	0	1	2
2003	1	3	5	0	1	1	4
2002	0	6	1	1	1	1	2
2001	3	3	3	0	0	1	1
2000	1	3	4	0	1	1	1
1999	1	1	3	0	1	0	2
Totals	22	43	52	6	6	11	31

Total 15 Years Along AAF Corridor: 171 Trespasser Fatalities

Includes all trespasser fatalities on the proposed AAF rail corridor

Doc FEC 05(All Trespasser Fatalities) Rev 10/11/2014