



Florida Department of
TRANSPORTATION

**2016 Florida Section ITE Summer Meeting
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Roundabouts: A Cultural Change

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- **1996 One of two States with a Roundabout Design Guide**
 - » PPM stated roundabouts are the preferred intersection control on SHS
- **2007 Roundabout Guide Sunsetting and Adopted FHWA Guide**
 - » PPM stated that roundabouts shall be considered.
- **2012 Formally adopted NCHRP 672**
 - » PPM stated that roundabouts must be evaluated.
- **2014 Provided tools for Evaluation**
 - » PPM dropped “preferred”
 - » Given “equal consideration”



Roundabouts on SHS

2012 – 7 after 16 years of “preferred”

2014 – 13

2015 – 21

2016 – 29 projected





Where are we now?

End of year 2015:

- **8,483 Signals on SHS**
 - » An Increase of 9 from 2014
- **21 Roundabouts on SHS**
 - » An Increase of 8 from 2014

(according to RCI)

District	Constructed	Planned
1	3	4
2	7	1
3	0	2
4	9	2
5	0	6
6	0	0
7	2	0
FTE	0	0



Why should we want more?

Vehicles

- 35% reduction in total crashes
- 75% reduction in injury crashes
- 90% reduction in fatal crashes

(over stop control)

Pedestrians & Cyclists

- 54% reduction in total crashes



Why are we not building more?

Perceived Barriers

- Initial Investment
- Resistance from Public or Businesses
- Project Schedule (R/W, Utilities)
- Not safe for Pedestrians and Cyclists
- ADA concerns (2-Lane)





NO BAD ROUNDABOUTS !!!

Central Office Peer Review

- For Roundabouts on SHS only
- Focus is on Geometrics
- Requires State Roadway Design Engineer Approval

Common Errors

- Entry or Exit Speeds are too High
- Design Vehicle WB-67FL not Accommodated
- No Landscaping / Visual Screening

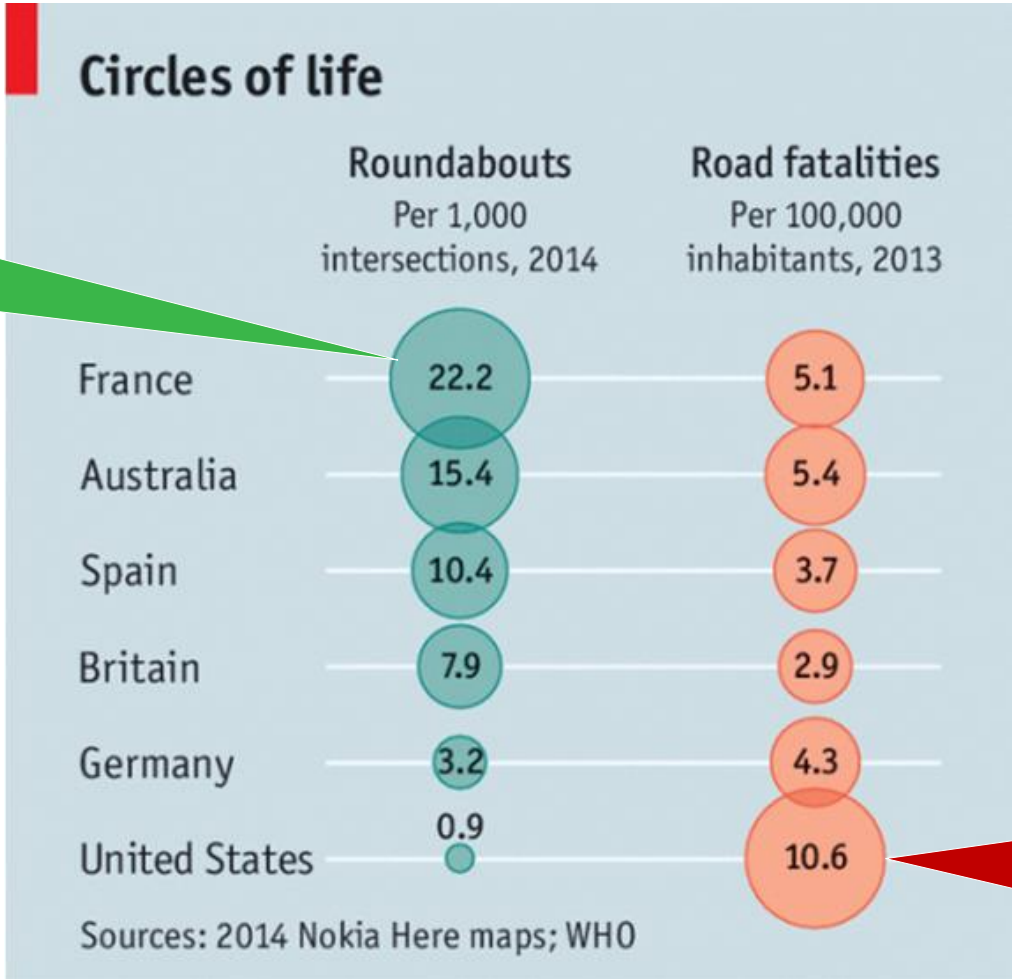
Off-system Roads:

- Approximately 300 “roundabouts”
- The Villages has 30 two-lane modern roundabouts.
- Downtown Ft. Pierce:



How the U.S. Compares?

**FRANCE –
300 NEW
ROUNDBABOUT
S EACH YEAR**



**US – 8,200
INTERSECTION
RELATED
FATALITIES
EACH YEAR**

Complete Streets Update

www.flcompletestreets.com

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