

A presentation to the Lake Morton Neighborhood Association

Lake Morton Drive – Traffic Safety for <u>All</u>

Success House, 1001 Success Avenue September 25, 2018 Lakeland, Florida

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Why are we here?

 Safety of <u>all</u> roadway users on Lake Morton Drive has been voiced as a concern

These users include wildlife – particularly water fowl

• I personally promise you: we are depending on YOUR comments tonight to help us solve these issues!!!



For Lake Morton Drive, this presentation explores:

- ➤ What safety concerns have been detailed?
- >"Who" is affected by these safety concerns?
- ➤ Why these safety issues/concerns may have manifested?
- ➤ Which tools are available and **viable** to deal with these concerns?
- ➤ Where do we go from here?

❖ Please keep in mind that the Public Works Department is planning on resurfacing Lake Morton Drive this fall.

For Lake Morton Drive, this presentation explores:

➤ What safety concerns have been detailed?



CRASH DATA

LOCATION LAKE MORTON DRIVE

TOTAL CRA	ASHES	ANGLE	REAR END	SIDESWIPE	PED/BIKE	OTHER	PROP(INJ/FATAL
2015	4	0	0	1	0/0	3	4/0/0
2016	3	0	0	0	2/0	1	120
2017	0	0	0	0	0/0	0	0/0/0
2018 (TO 8/31)	3	1	0	1	0/0	1	2 1 0

NOTES:

- 1. There were three reported crashes (all rear end) on the side streets entering Lake Morton Drive.
- 2. Pedestrian injury 9/5/2018.
- Three to four swans on average killed each year (Parks & Recreation).
- Three to four swans on average injured each year (Parks & Recreation)

For Lake Morton Drive, this presentation explores:

"Who" is affected by these safety concerns?

The City of Lakeland is guided by specific transportation user

priorities



<u>City of Lakeland</u> – A Bird Sanctuary

RESOLUTION NO. 338

A RESOLUTION DECLARING ALL OF THE AREA WITHIN THE CORPORATE LIMITS OF THE CITY OF LAKELAND, FLORIDA, AS A BIRD SANCTUARY, AND REQUESTING THE CITIZENS OF SAID CITY TO AID IN THE CONSERVATION OF ALL BIRD LIFE THROUGH CARE OF ALL BIRDS BY FEEDING AND PROTECTING THEM FROM DANGER OF ANY AND ALL KINDS.

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF LAKELAND, FLORIDA:

That all of the area within the corporate limits of the City of Lakeland, Florida, be, and the same is hereby officially declared to be a bird sanctuary for the protection of all bird life.

BE IT FURTHER RESOLVED that every citizen and visitor living and residing within the City of Lakeland be, and they are hereby respectfully urged and requested to exert every effort in the conservation of bird life by feeding and protecting from danger the birds within the City of Lakeland.

PASSED AND CERTIFIED AS TO PASSAGE, this the 1st day of April,

The City of Lakeland has been designated a

"Bird Sanctuary"

 The City of Lakeland has adopted the notion of these friendly birds representing part of the rich tapestry of the Community

 we celebrate their name.

 We have them as our logo; we respect them and cherish their place in our City.

 We therefore have a responsibility to protect these birds in their best interest it's only the fair thing to do - otherwise it's entrapment!

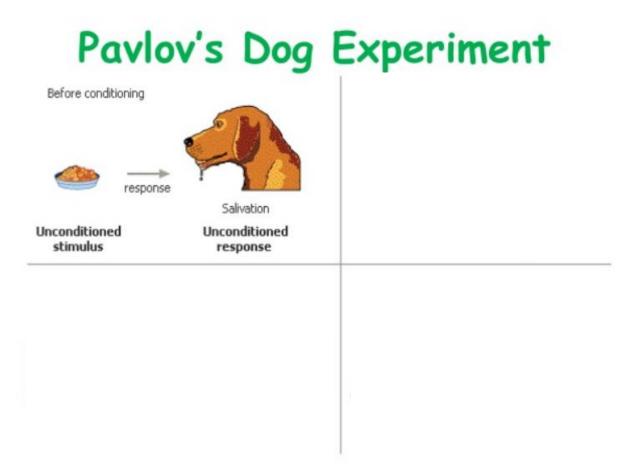


For Lake Morton Drive, this presentation explores:

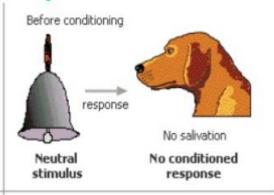
➤ Why these safety issues/concerns may have manifested?



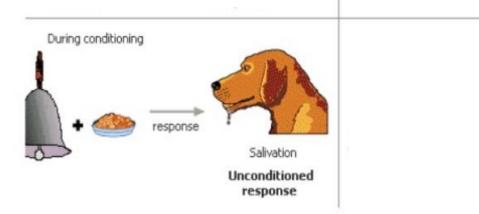
Ivan Pavlov's Dog Experiment (1902) - Classical conditioning



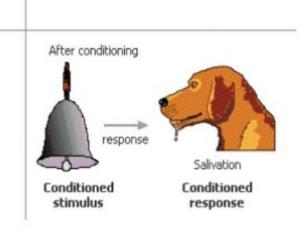
Pavlov's Dog Experiment

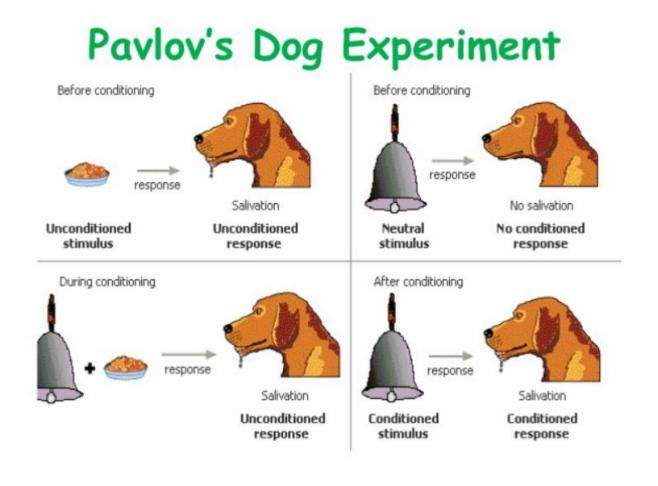


Pavlov's Dog Experiment

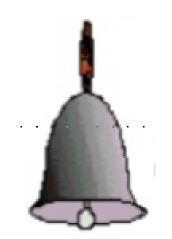


Pavlov's Dog Experiment





We - parkers, feeders, visitors, etc. - may be the "Bell"!!

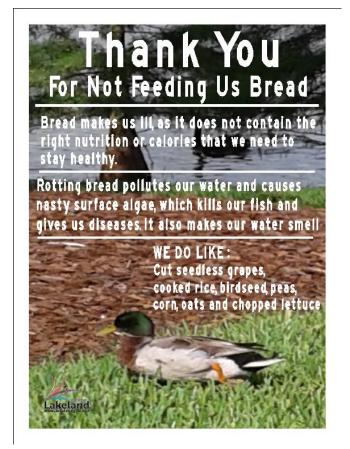


We may need solutions to change motorists' behavior as well.

Data driven Study (Quantitative/Qualitative)

Birds learn the speed limits





On street parking



Lots of shade on the roadway





Recent Swan Zone of Concerns



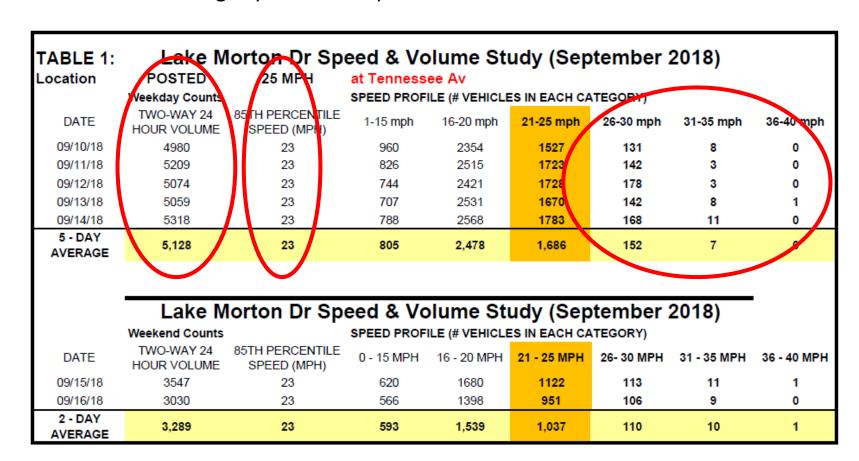


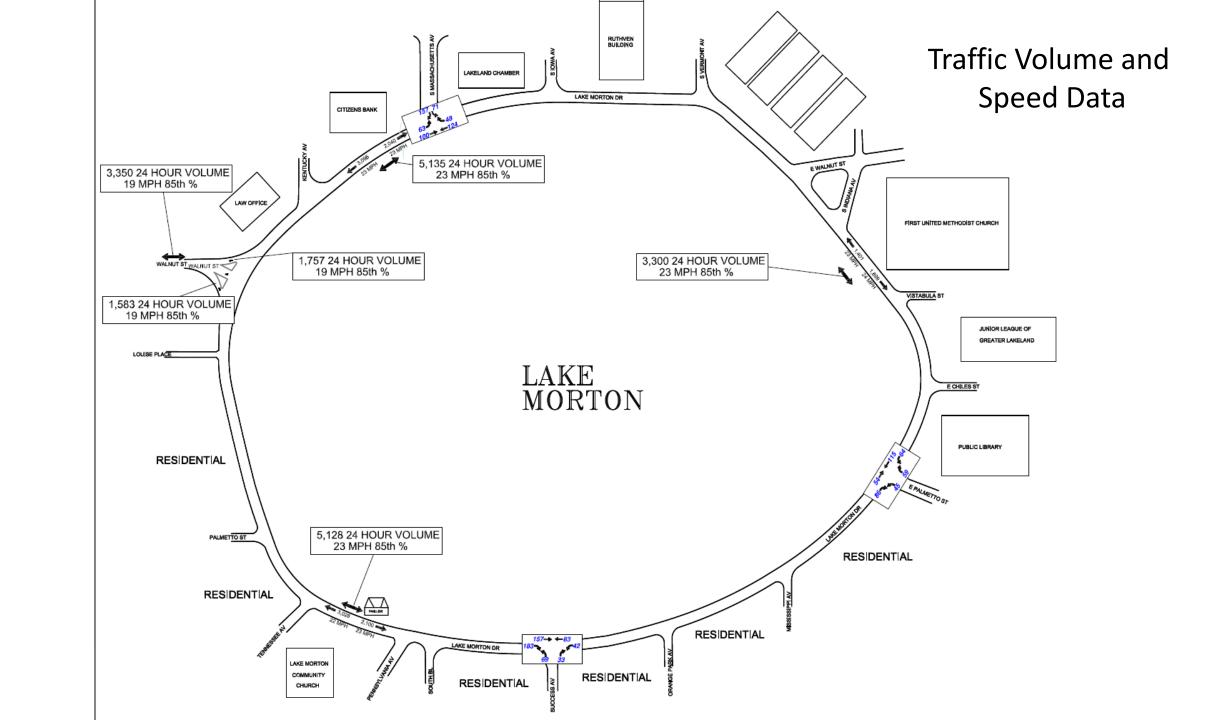
Traffic Engineering

834 E. Rose St Lakeland, Florida 33801 Phone: (863)-603-6310 Fax: (863)-682-3498

> 9/18/2018 2:17 PM

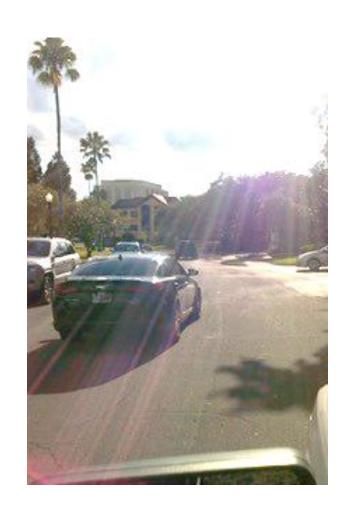
Average Speed = 18 mph



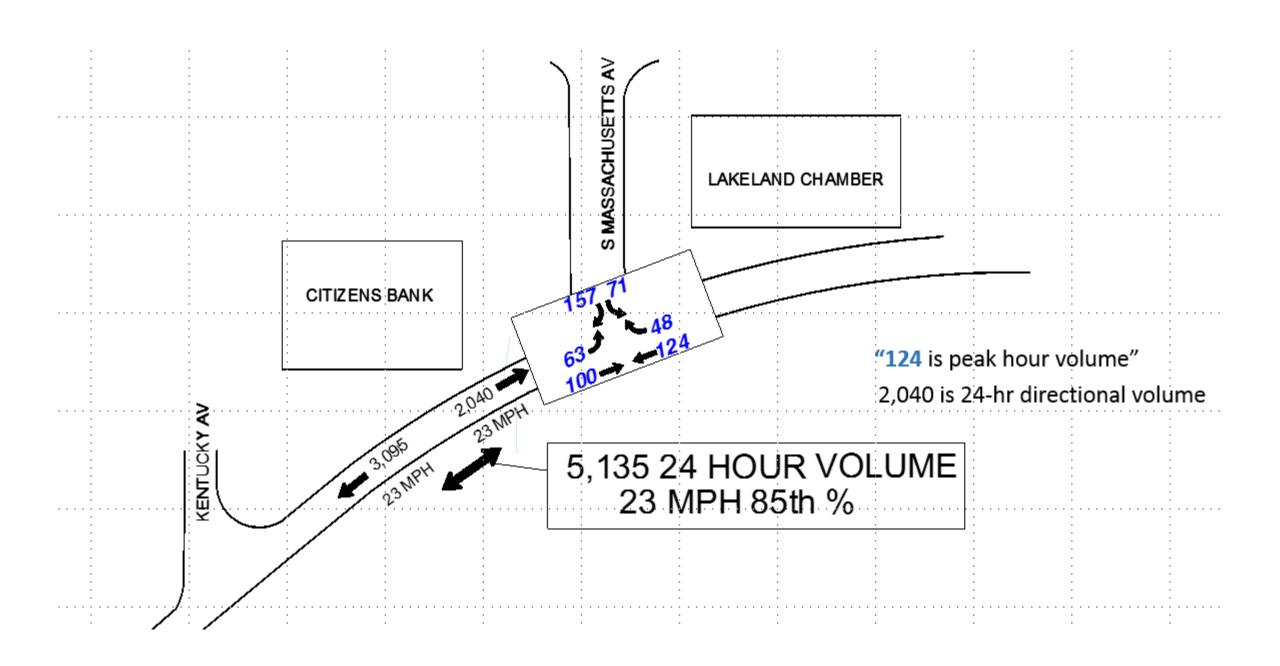


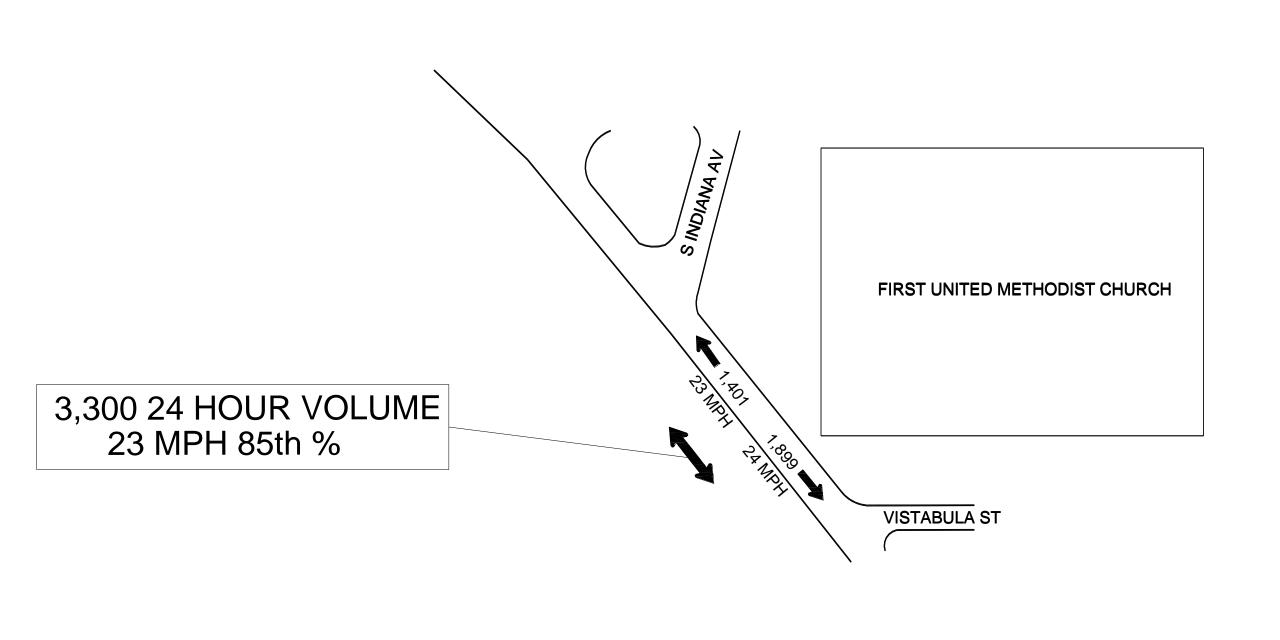


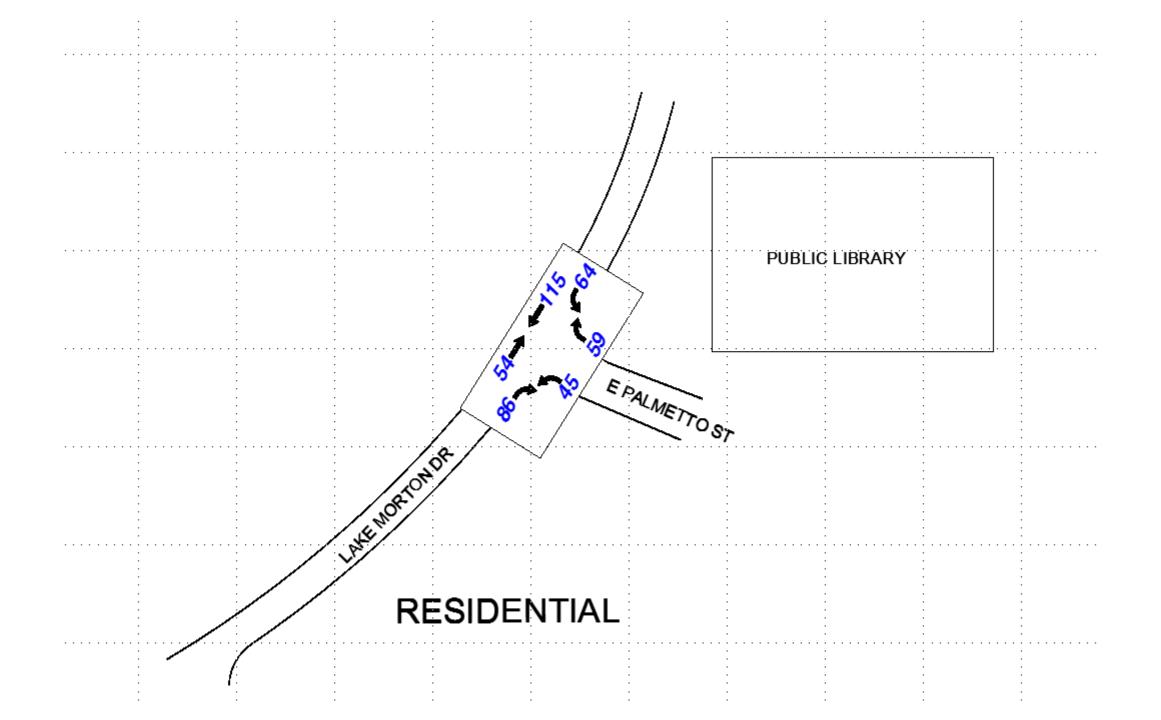
Lake Morton Dr. @ Massachusetts Av 9/12/18









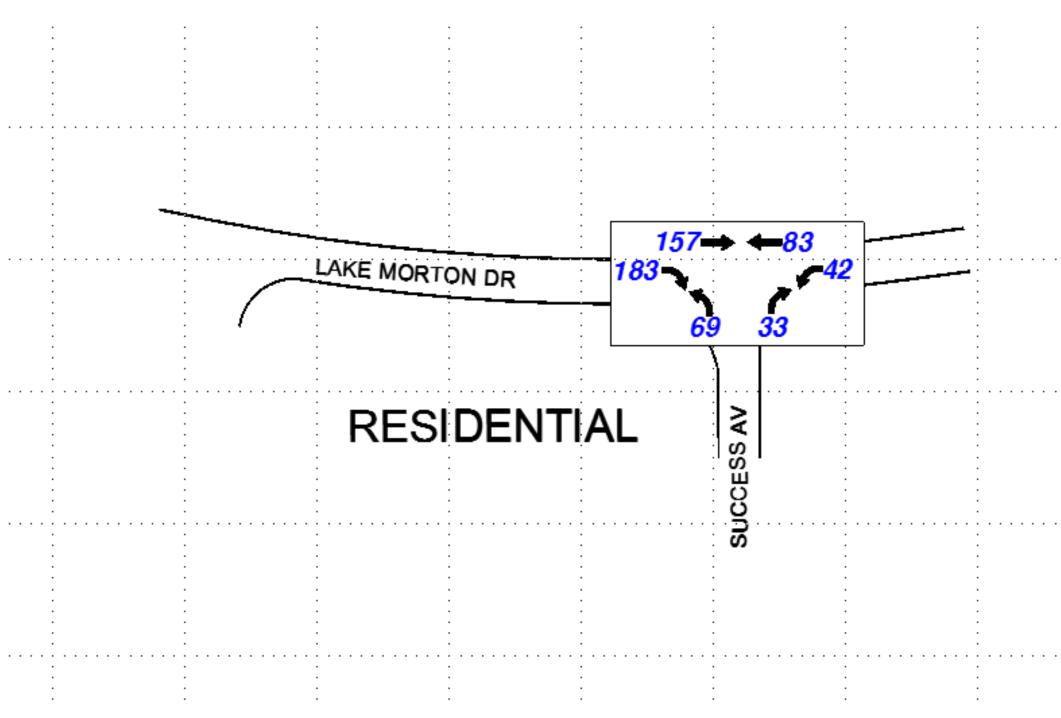


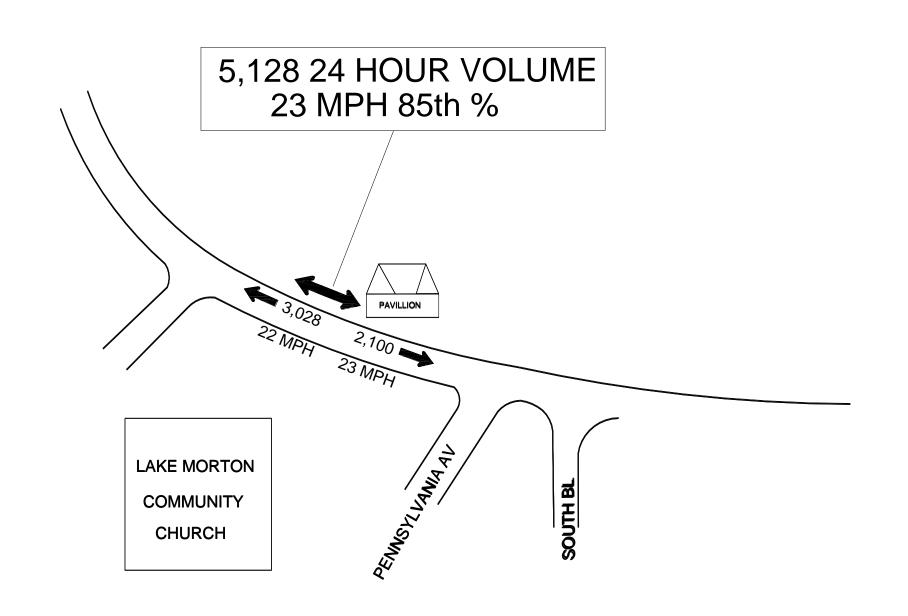




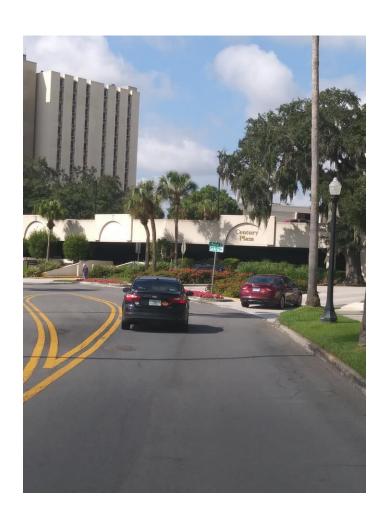
Lake Morton Dr. @ Success Av 4pm-6pm 9/11/18



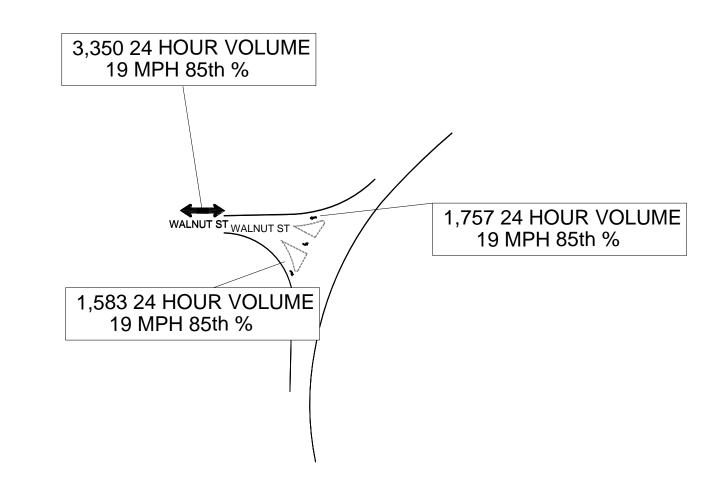




Lake Morton @ Walnut St







Data considerations

- Traffic volumes are somewhat high
- Operating speeds are relatively low some speeding does take place
- Turning movements are relatively high in the peak hour
- Crashes appear to be related to distracted driving or "sudden" movements

How do we solve these issues/concerns?



Objective statement – guiding beacon



Objective statement – guiding beacon



The formulation of an objective is paramount in finding a beacon to look to, that ensures we create sustainable, real, and effective solutions. Key words:

- <u>safer access for all roadway users</u> (accessible needs; pedestrians; bicyclists; transit patrons; wildlife; and motorists) to/from the lake
- <u>effective mobility</u> throughout Lake Morton Drive and its intersecting streets
- respecting the needs of <u>emergency services</u>;
- respecting the <u>relationship between wildlife and devoted patrons</u>
- respecting the <u>City's treasure</u>
- enhances current activity centers "fits in with the community".



Proposed Objective for Discussion Purposes:



- Proposed Objective for Discussion Purposes:
- To enhance the safety,



- Proposed Objective for Discussion Purposes:
- To enhance the safety, accessibility,



- Proposed Objective for Discussion Purposes:
- To enhance the safety, accessibility, and mobility of all roadway users and wildlife on Lake Morton Drive and its environs,



- Proposed Objective for Discussion Purposes:
- To enhance the safety, accessibility, and mobility of all roadway users and wildlife on Lake Morton Drive and its environs, in a sustainable (long-lasting),



- Proposed Objective for Discussion Purposes:
- To enhance the safety, accessibility, and mobility of all roadway users and wildlife on Lake Morton Drive and its environs, in a sustainable (long-lasting), aesthetically pleasing,



- Proposed Objective for Discussion Purposes:
- To enhance the safety, accessibility, and mobility of all roadway users and wildlife on Lake Morton Drive and its environs, in a sustainable (long-lasting), aesthetically pleasing, cost-effective manner,



- Proposed Objective for Discussion Purposes:
- To enhance the safety, accessibility, and mobility of all roadway users and wildlife on Lake Morton Drive and its environs, in a sustainable (long-lasting), aesthetically pleasing, cost-effective manner, and compatible with local activity centers.

• We may need solutions to change motorists' behavior as well.

For Lake Morton Drive, this presentation explores:

- ➤ Which tools are available and **viable** to deal with these concerns?
- There are a few concepts that are NOT viable.

Not supportable ideas:

- It has been technically/professionally determined that the following suggested solutions should NOT be further considered (they do not meet any or many of the project objective's components):
- One-way operation
- Installation of "Parabolic Speed Humps"
- Installation of a formalized bicycle path.

Supportable/viable ideas:

Suggested Solutions for Discussion Purposes:

This objective can be met by managing:

- > operating speeds
- riangleright accessibility from the mainland to the lake
- moderating motorist behavior while minimizing frustrations/poor drivers' behavior.

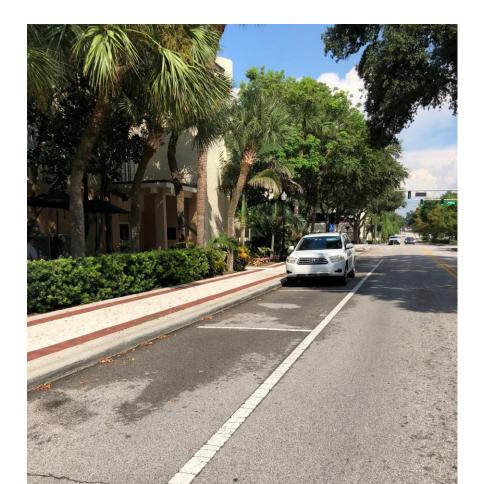
Create a *Place* for Lake Morton Drive

Supportable/viable ideas: "Paint saves lives"

- > Reducing the regulatory posted speed limit to 20 MPH
- ➤ Re-organizing on-street parking by marking the stalls on the outside perimeter of the road (box style)
- ➤ New "Swan Zone" pavement marking scheme
- > Enhance existing crosswalks
- ➤ Installing a painted "Bicycle Boulevard" system
- > Paint "double-yellow" line "Tiger tails" at key intersections

Paint parking spaces (box style)



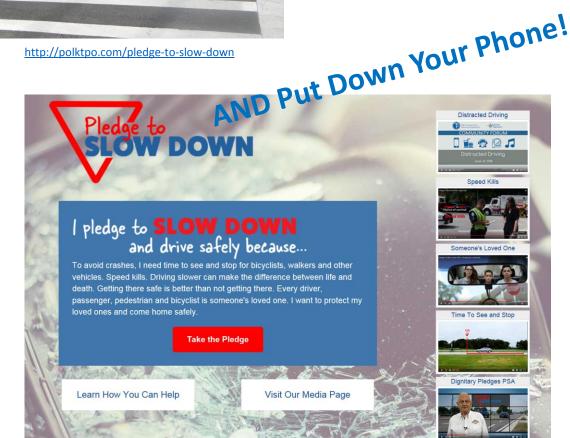








http://polktpo.com/pledge-to-slow-down



Colorized intersection:



Supportable/viable "construction" ideas:

- "Raised Crosswalks" w/ or w/o landscaped "Z" medians at strategic locations
- "Rectangular Reflective Flashing Beacon" (RRFB) systems at key pedestrian crossing locations
- "Raised Intersections" at strategic locations
- "Bulb-out" installations at key locations
- Landscaped "mini-medians" at wider intersections
- Exploring installing colorized concrete sections (brick installation may be considered only at strategic intersections)
- Installing aesthetically pleasing wildlife sensitive decorative fencing

Raised crosswalks (RP Funding Center) – W. Lime Street with RRFB's



Raised Intersections

Raised Intersections



Figure 85. Intersection in West Palm Beach.



Figure 86. Illustration of alternative intersection.

RAISED INTERSECTION:

Downtown Deland, FL (E. Howry Avenue and S. Woodland Boulevard)



Bulb outs – "Book end parking"



Landscaped medians – Parker Street



Where do we go from here:

• Public input is key - Respond here tonight - Take the "Citizen Perspectives" survey:

 https://lakelandflorida.maps.arcgis.com/apps/Casca de/index.html?appid=ff81e67f39b949f5be3d3ac301 c4efc1 – Story Map

- https://arcg.is/195n9W Direct Link to Survey
- http://www.lakelandgov.net/citizenperspectives
- Google: Lakeland citizen perspectives
- Develop a priorities program
- Develop a funding plan
- IMPLEMENT along with the upcoming resurfacing project!!



Courtesy Promotes Safety: Please give pedestrians and bicyclists a BRAKE!

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