



A SAFE SCHOOLS TRANSPORTATION STUDY

Lost Lake Elementary School Clermont, FL

DRAFT

LOST LAKE ELEMENTARY SCHOOL
10-PT03'30 SAC6PM
16 NO SHCOOL
17-18&19 EARLY RELEASE
26-FCAT NIGHT 6-7'30

May 2012



Lost Lake Elementary School

Lost Lake Elementary School Snapshot

January 12, 2012

Grades: Pre-Kindergarten – 5th

Total Students:	1,103
▪ Provided Bus Transportation :	579
▪ Not Provided Bus Transportation:	524
▪ Buses assigned to school (11 reg, 2 ESE)	13

Students Living within the “Walk Zone”:	494
▪ Provided Bus Transportation:	226
▪ Not Provided Bus Transportation:	268

Observation Day (Sunny)

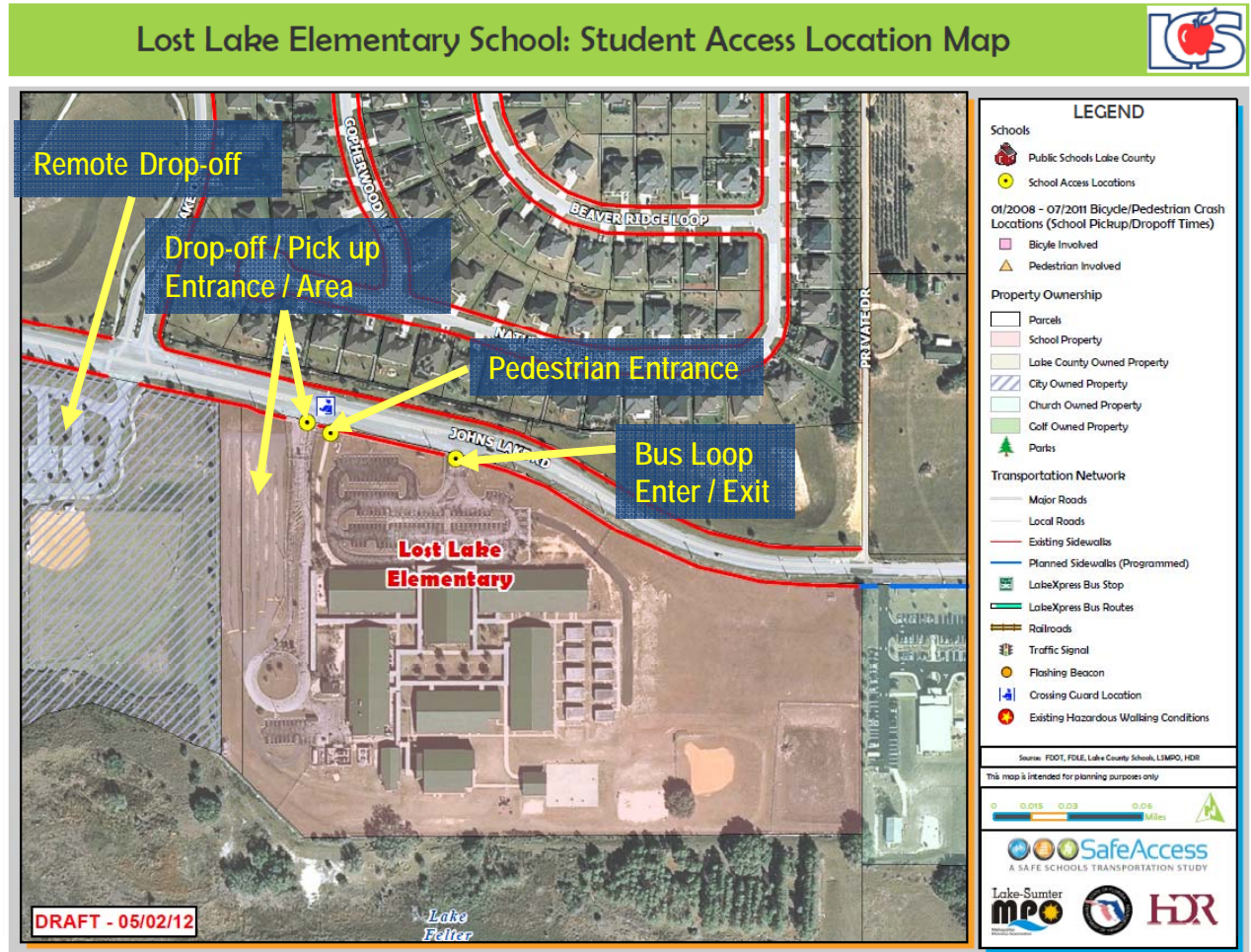
▪ Walkers:	over 100
▪ Bike Riders:	0



- ✓ Lost Lake Elementary website – Click [here](#)
- ✓ City of Clermont website – Click [here](#)
- ✓ Lake County Schools website – Click [here](#)

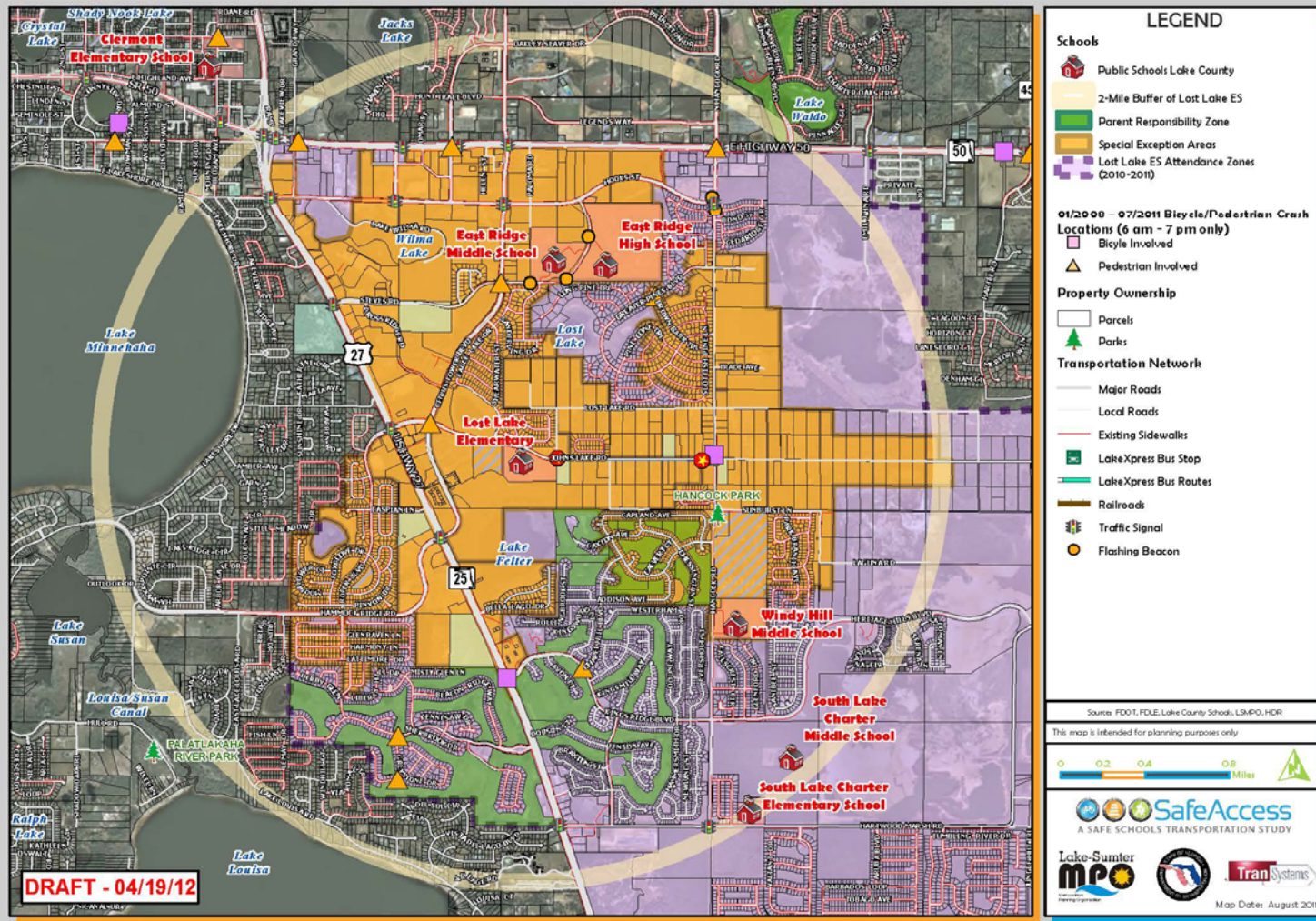
Findings:

- ✓ This school is located with subdivisions to the north and an apartment complex to the west. Most arrive by bus or car.
- ✓ The drop-off / pick-up queue area has a large onsite storage area.
- ✓ The bus loop is separate from the drop-off / pick-up loop, and is through the front parking area.
- ✓ There is one pedestrian access point.
- ✓ A large number of parents use the adjacent park as a remote pick-up / drop-off area.
- ✓ There is no bicycling permitted.



Attendance and 2-Mile "Walk" Zone Map

Lost Lake Elementary School: Attendance and 2-Mile "Walk" Zone Map



Arrival and Dismissal Schedule

- 7:00 am:** Breakfast - 200 students attend breakfast on average
- 8:00 am:** Students may be dropped off
- 8:30 am:** School Starts
- 2:45- 3:10 pm:** Release – Staggered for:
Walkers and Car Riders by Grade/Class
- 2:45 – 3:30 pm:** Bus Riders are called by bus as buses arrive
- 6:00 pm:** ELC ends



Note: Students are released one hour early on Wednesdays



Findings:

- ✓ The bus loading and unloading is very organized and efficient.
- ✓ Buses generally arrive between 8:00 am and 8:20 am, typically two waves.
- ✓ Bus queue on observed day was contained onsite.
- ✓ Some buses had to briefly enter opposing travel lane to enter bus loop.
- ✓ Several left turning buses were 'let out' by other drivers.

Findings:

- ✓ The campus has a large queue area that allows for significant queuing.
- ✓ The curb-side drop-off works efficiently like most campuses in the district.
- ✓ A staff person is required to operate the queue bays.
- ✓ Queuing into the load zone is significant over 1400' to west and 800' to east.
- ✓ Driveway exit has long queues and delays.
- ✓ Police officers are required to maintain traffic control and flow. School crossing guards or staff are not legally permitted to direct traffic.
- ✓ Pick-up at the queues are designated by grades and operate well.



Student Drop-off and Pick-up Recommendations



Recommendations:

- ✓ Study the addition of a signal to replace the requirement of officers, particularly as they are sometimes unavailable or are called away. Signal should only operate during drop-off and pick up times.

Alternatively

- ✓ Brainstorm idea: Consider adding a new inbound driveway to the car lot at the west property line to separate some of the inbound and outbound traffic.
 - ✓ Pros – able to process traffic into stacking area faster
 - ✓ Potentially able to process exiting traffic faster
 - ✓ Cons – Additional driveway for pedestrians to cross
 - ✓ Safety issues with pedestrian / vehicle conflict



Findings:

- ✓ A number of students (50 or more) and parents park at Lake Felter Park and walk to the school entrance
- ✓ These parents also walk through the congested intersection

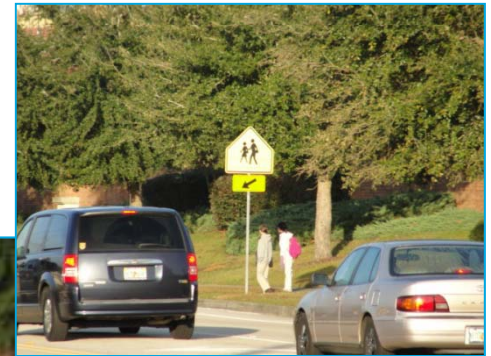




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Lost Lake Elementary School

Bicycle/Pedestrian “Walkers” Access



School Existing Conditions and Procedures:

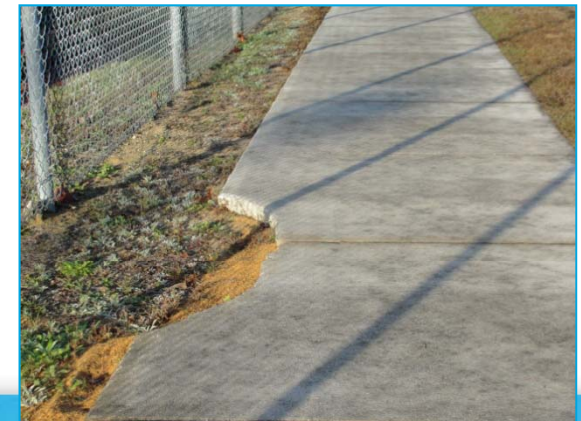
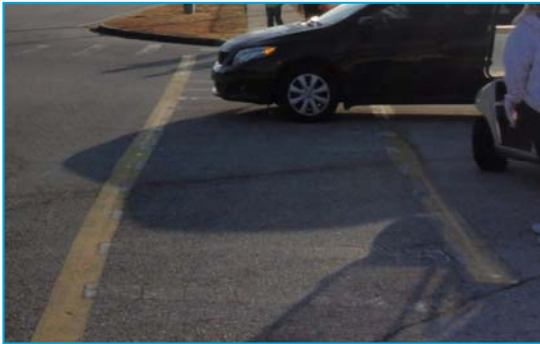
- ✓ Walkers released at 2:45 pm
- ✓ Police required to operate driveway and assist with crossing guard.
- ✓ Bicycles are not allowed on campus.
- ✓ Crosswalks are faded and in need of repainting.
- ✓ Sidewalk in front of school is in need of maintenance.



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Lost Lake Elementary School

Bicycle/Pedestrian “Walkers” Access

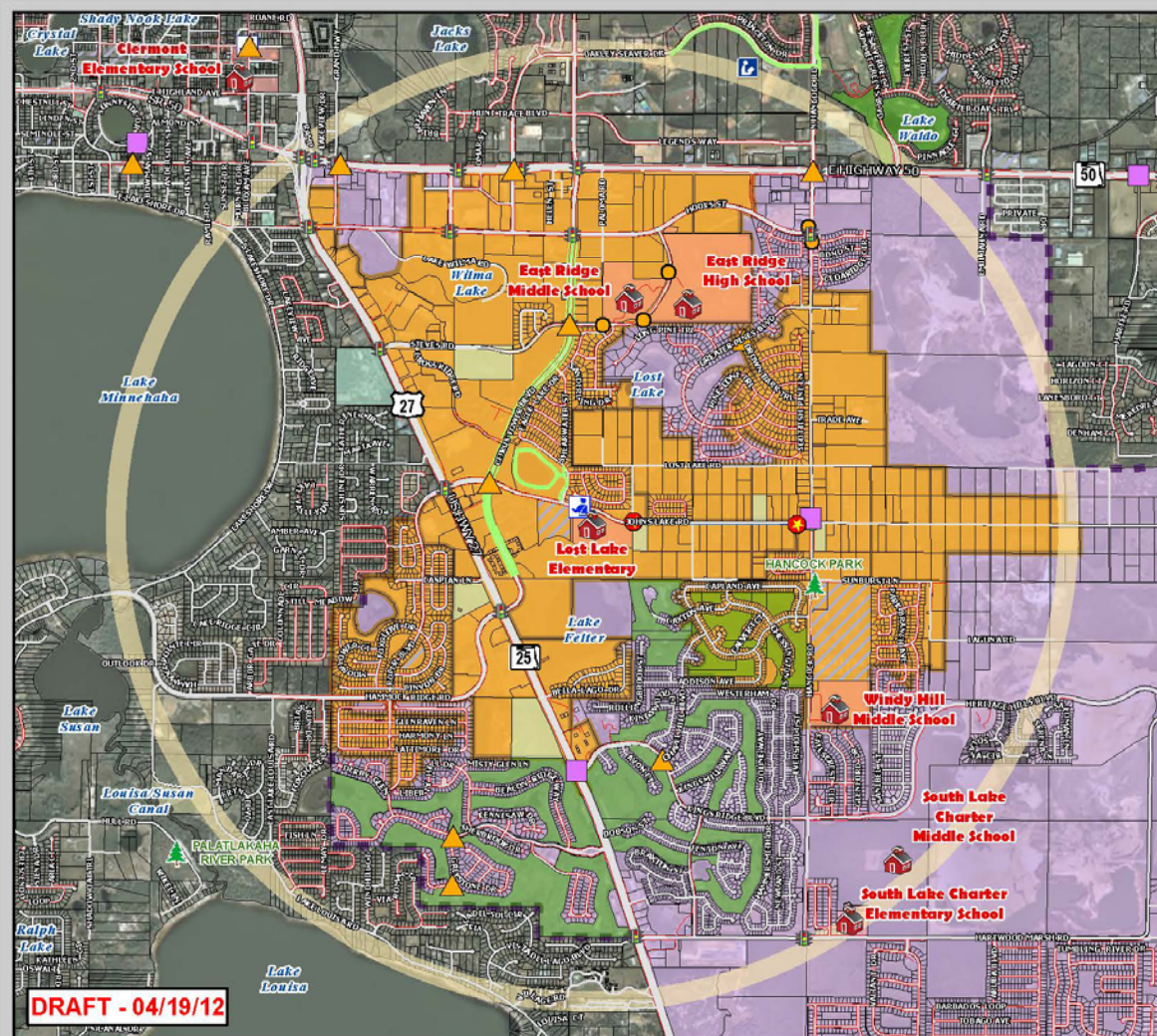


Recommendations:

- ✓ Repaint or refurbish crosswalks. Repair sidewalk.
- ✓ Continue to enforce the motorist speed limit.
- ✓ Add a bicycle path or widen sidewalk from school pedestrian access to apartment complex.
- ✓ Consider traffic signal at drop-off / pick-up location.

Lost Lake Elementary School

Lost Lake Elementary School: Existing Conditions Map



DRAFT - 04/19/12

Schools

- Public Schools Lake County
- Crossing Guard Locations
- Libraries
- 2-Mile Buffer of Lost Lake ES
- Parent Responsibility Zone
- Special Exception Areas
- Lost Lake ES Attendance Zones (2010-2011)
- 01/2008 - 07/2011 Bicycle/Pedestrian Crash Locations (School Pickup/Dropoff Times)
 - Bicycle Involved
 - Pedestrian Involved

Property Ownership

- Parcels
- School Property
- Lake County Owned Property
- City Owned Property
- Church Owned Property
- Golf Owned Property
- Parks

Transportation Network

- Major Roads
- Local Roads
- Existing Sidewalks
- Existing Trails
- LakeXpress Bus Routes & Stops
- Railroads
- Traffic Signal
- Flashing Beacon

Source: FDOT, RIDE, Lake County Schools, LCMPO, HDR

This map is intended for planning purposes only.

0 0.2 0.4 0.8 Miles

SafeAccess
A SAFE SCHOOLS TRANSPORTATION STUDY

Lake-Sumter

Map Date: August 2011

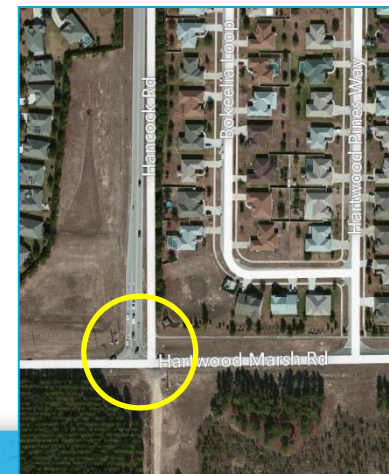
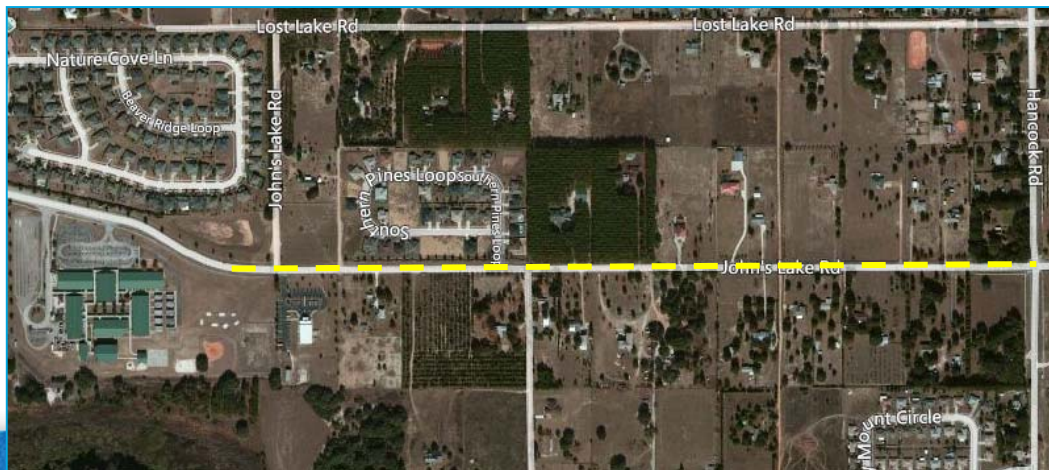
Lost Lake Elementary School

Findings:

- ✓ Lake County has a planned project to improve Johns Lake Road from Lost Lake Elementary to Hancock Road in 2014. This improvement will widening the existing travel lanes, conversion to a curb and gutter section and the addition of sidewalks.
- ✓ Lake County has an intersection improvement scheduled for 2012 at Hancock Road and Hartwood Marsh Road. This improvement may include the addition of sidewalk in the southeast quadrant of the intersection.

Recommendations:

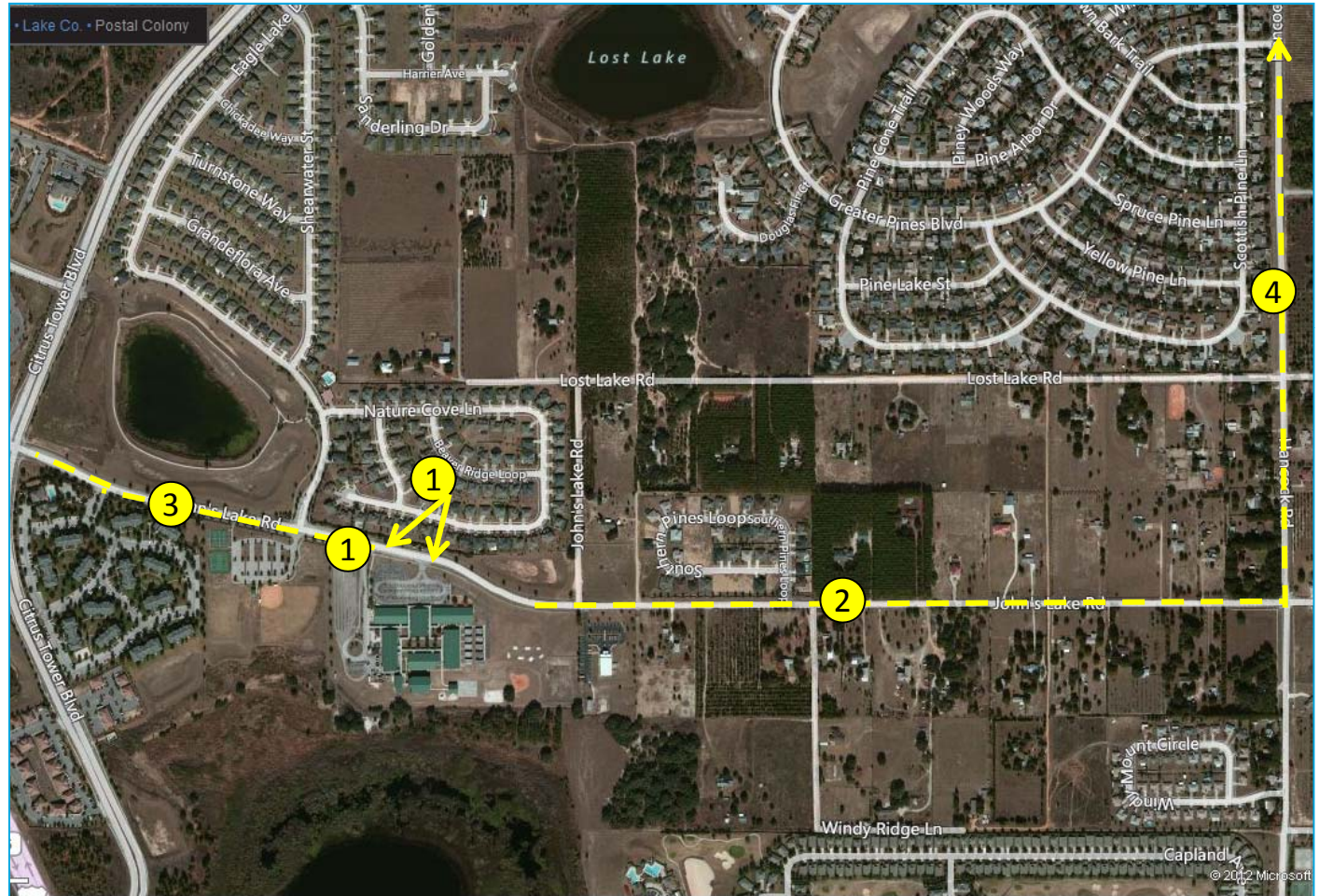
- ✓ Coordinate with the County on the planned improvement of these roadways to included needed school projects or elements.



Lost Lake Elementary School

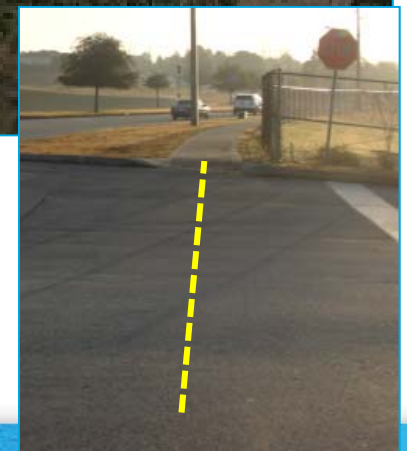
Priority Projects:

1. Update / repaint crosswalks, study signaling intersection.
2. Add sidewalk on Johns Lake Road from existing sidewalk to Hancock Road with additional pedestrian access.
3. Widen sidewalk on Johns Lake Road from School to Citrus Tower Blvd and add bicycle parking at school.
4. Add sidewalk on Hancock Road north to Hook Street.



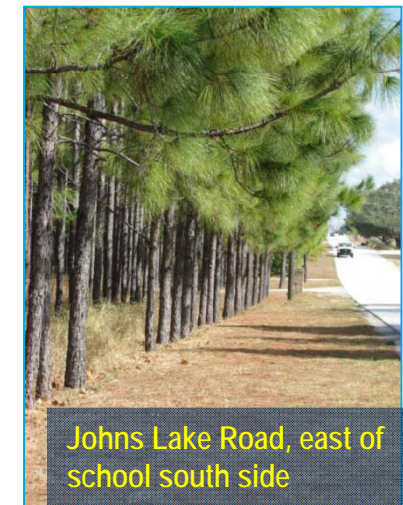
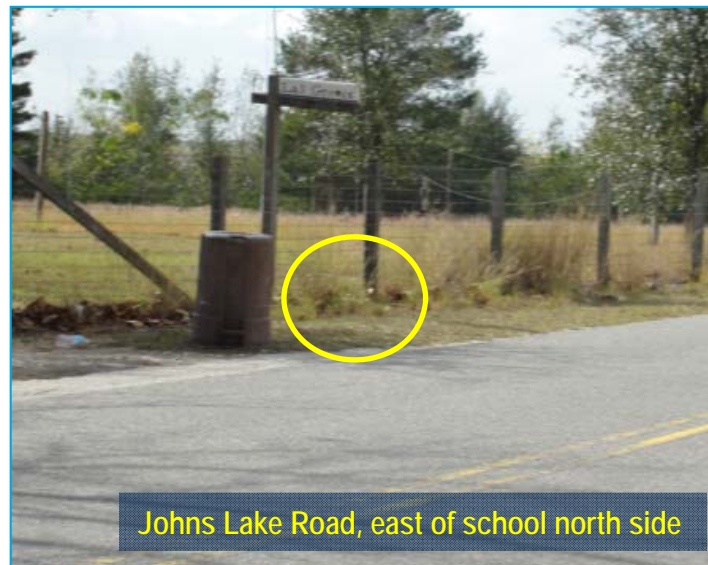
Findings and Recommendations:

- ✓ The existing crosswalks are quite faded. Update and repaint the crosswalks to ladder style at the two school driveways and across Johns Lake Road at the crossing guard.
- ✓ Current queuing at the drop-off area is significant, particularly in the morning. Traffic control is provided by Clermont Police, but they may be called out and unavailable at times. Conduct a study to consider the benefits / drawbacks of a potential signal at the drop-off / pick-up area entrance.



Findings / Recommendations:

- ✓ Currently there is no sidewalk, and fencing is very close to the roadway on Johns Lake Road east of the School. Currently there may be limited ROW.
- ✓ In coordination with Lake Count and future roadway projects on Johns Lake Road (or as a stand along project if ROW is available) Construct a sidewalk from the existing sidewalk to Hancock Road.
- ✓ This road is designated a hazardous walk zone due to the close proximity of the fence to the roadway.
- ✓ Lake County is currently pursuing a project along Johns Lake Road.



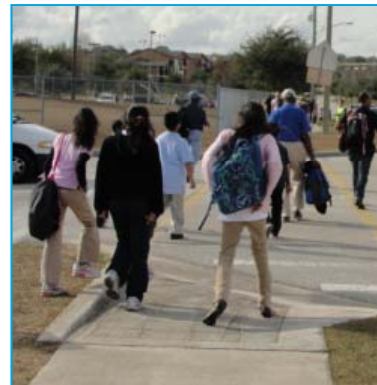
Priority Project #3

Widen Sidewalk on Johns Lake Road

From school drop-off / pick-up to Apartment Complex

Findings / Recommendations:

- ✓ The current standard width sidewalk does not have the capacity for the number of walkers and accompanying parents that travel to the school from the west.
- ✓ This is currently a downhill sidewalk, under congested conditions a child on a bicycle may lose control trying to pass pedestrians and enter the roadway, or may strike the pedestrians.
- ✓ The morning roadway traffic queue for the school extends past the apartment complex.
- ✓ Current administration does not allow bicycles due to stated safety concerns.
- ✓ Widen sidewalk and restripe with a marked outside bicycle lane, or add a separate bicycle path.



Mark widened sidewalk as bicycle lane to outside, farthest from vehicle travel lane



Findings / Recommendations:

- ✓ There are several local collectors without sidewalks that limit the opportunities for students to walk.
- ✓ Currently there are small sections of sidewalk on Hancock Road at Hook Street, and for one property on the east side at Johns Lake Road.
- ✓ Construct a sidewalk on Hancock Road from Johns Lake Road to Hook Street, priority is on the west side.
- ✓ This project should be staged after the sidewalk project on Johns Lake Road, or with other maintenance activities on this roadway.



Lost Lake Elementary School

ID #	Location	Limits	Improvement
1	Johns Lake Road	School property (end of existing sidewalk) to Hancock Road	Add Sidewalk
2	Hancock Road	Johns Lake Road north to Hook Street	Add Sidewalk (stage 1 greater pines connection)
3	Johns Lake Road	School Entrance to Apt. Complex/Citrus Tower Blvd	Widen Sidewalk / add bicycle lane / markings
4	Add crossing guard	US 27 and Johns Lake, Citrus Tower Blvd & Johns Lake Rd	Only if busing is being reduced or eliminated, would need exclusive pedestrian phase.
5	School Entrance for drop-off / pick-up	School entrance	Could replace police control - may not help queuing, but more reliable. Only operate during arrival and dismissal periods, keep crossing guard
6	Bus loop and drop-off / pick-up driveway	At school driveways	Restripe to ladder style crosswalks
7	In front of school at bus loop and parking entrance	End of turn lane to drop-off / pick-up to bus loop turn lane	Restripe existing crosshatch to a continuous left turn lane
8	East side of school	Add pedestrian access	Add an additional pedestrian access on east side of school after sidewalks are added on Johns Lake Road.
9	School Entrance	Designated area	Add covered, fenced hitch style bicycle parking on a concrete pad near the entrance of the school. Do this in conjunction with widening the sidewalk between the school and the apartment complex.

This website represents an ongoing commitment to increase safe access to schools within the Lake~Sumter Metropolitan Planning Organization Planning Area.

Updates to data, and suggestions for programming and project ideas are welcome from all agencies and the general public.

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Transportation Partnerships*