

Treadway Elementary School Leesburg, FL



August 2013

HDR

Lake Sumter



Metropolitan
Planning Organization

Treadway Elementary School Snapshot

December 13, 2012

Grades: Pre-K – 5th

Total Students:	918
▪ Provided Bus Transportation :	483
▪ Not Provided Bus Transportation:	435
▪ Buses Assigned to School (12 reg, 1 ESE)	13

Students Living within the FTE “Walk Zone”:	416
▪ Provided Bus Transportation:	197
▪ Not Provided Bus Transportation:	219

Students Living within the LCS PRZ *	50
▪ Provided Bus Transportation:	3
▪ Not Provided Bus Transportation:	47

Observation Day (Foggy, Misty, Overcast)	
▪ Walkers:	29
▪ Bike Riders:	9



- ✓ Treadway Elementary School website – Click [here](#)
- ✓ City of Leesburg website – Click [here](#)
- ✓ Lake County Schools website – Click [here](#)

*LCS PRZ is the Lake County Schools Designated Parent Responsibility Zone

Treadway Elementary Hazardous Walking Area

Findings:

- ✓ There is a designated Hazardous Walking Area (HWA) between Radio Rd and CR 473 north of US 441 and south of Pleasant View Dr
- ✓ 37 Students reside within the HWA
 - ✓ 17 students are transported
 - ✓ 20 students find their own way
- ✓ Staff at the school reported that in the past two student fatalities had occurred on CR 473
- ✓ There is a section of CR 473 where there is no space adjacent to the roadway, the HWA begins here
- ✓ There are sections of Radio Rd which do not appear to have 4 feet of level space for pedestrians adjacent to the pavement due to berms



Limited pedestrian space on CR 473

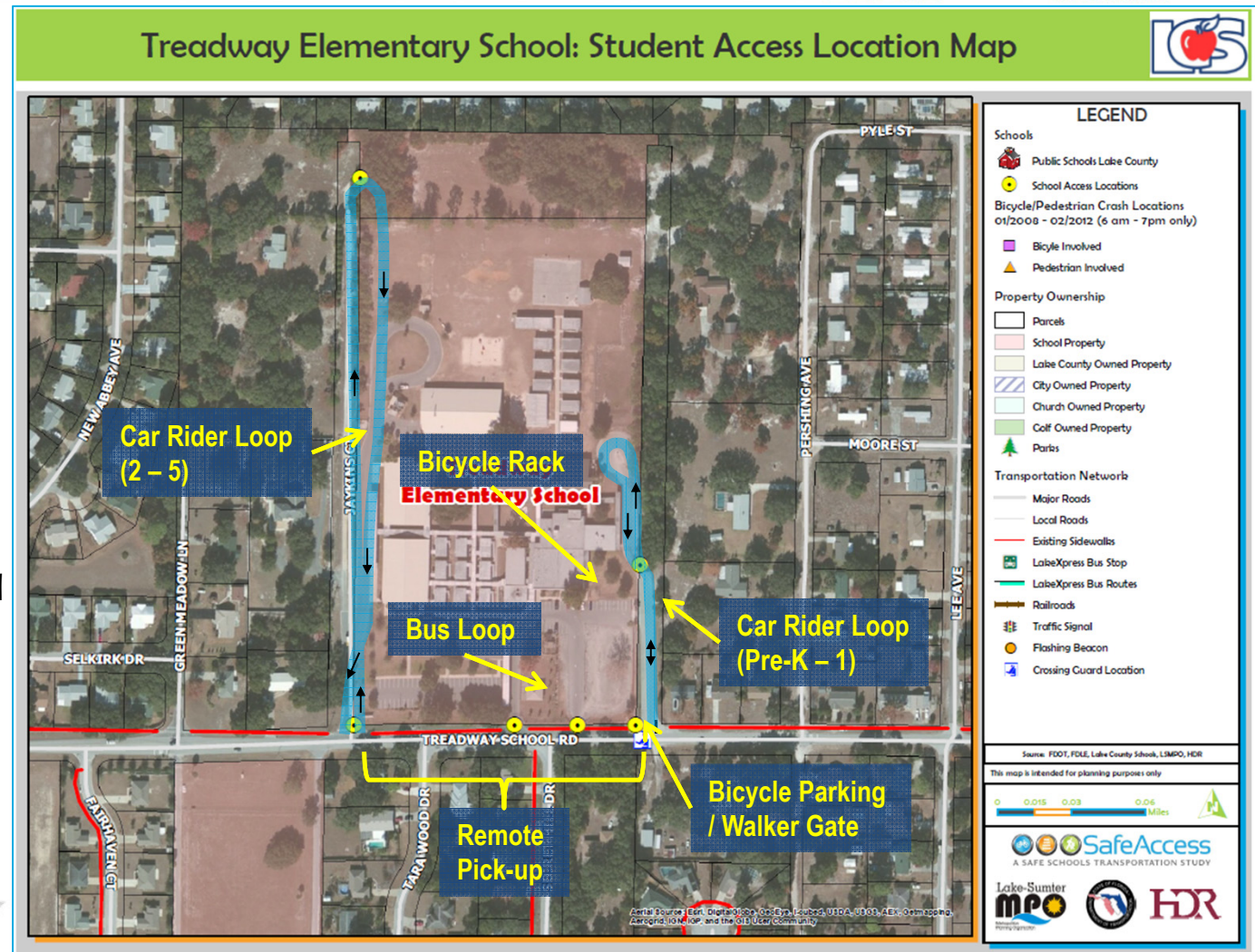


Berm on Radio Rd

Treadway Elementary School

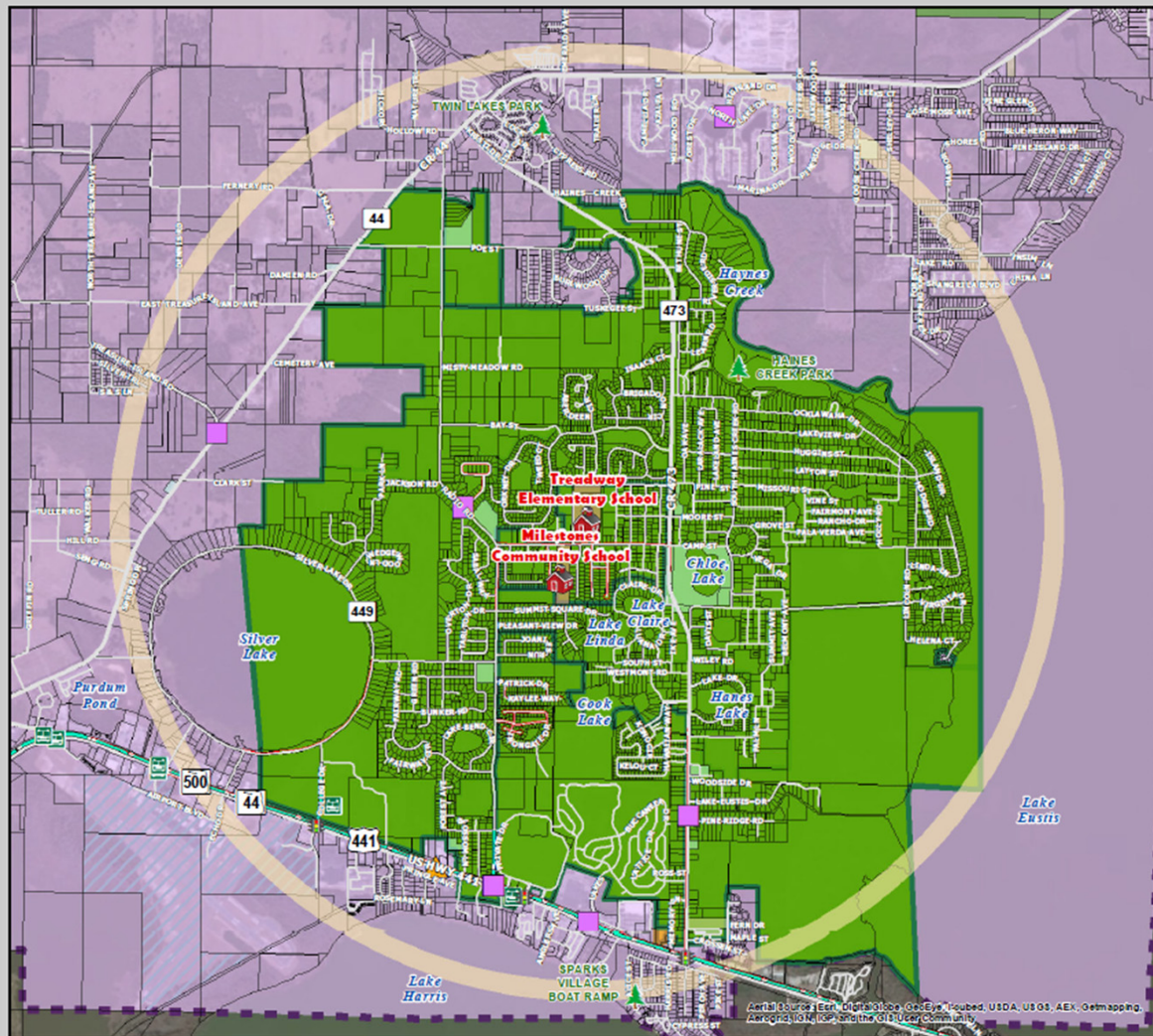
Findings:

- ✓ 2nd -5th grade car riders get out on opposite side of car and cross drop-off lanes
- ✓ Daycare vans (2) use the employee parking by 2nd -5th Grade car loop
- ✓ No storage queue observed at either car loop on Treadway School Rd
- ✓ Campus gates open at 8:00 AM
- ✓ Pedestrian access is fenced on both sides from crossing guard to bicycle rack



Attendance and 2-Mile "Walk" Zone Map

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



LEGEND

Schools

- Public Schools Lake County
- 2-Mile Buffer of Treadway ES
- 2-Mile Walk Zone
- Special Exception Areas
- Treadway ES Attendance Zones (2010-2011)

Bicycle/Pedestrian Crash Locations 01/2008 - 02/2012 (6 am - 7pm only)

- Bicycle Involved
- Pedestrian Involved

Property Ownership

- Parcels
- Parks

Transportation Network

- Major Roads
- Local Roads
- Existing Sidewalks
- LakeXpress Bus Stop
- LakeXpress Bus Routes
- Railroads
- Traffic Signal
- Flashing Beacon

Source: FDOT, FOLE, Lake County Schools, LSMPO, HDR

This map is intended for planning purposes only



SafeAccess
A SAFE SCHOOLS TRANSPORTATION STUDY

Lake Sumter MPO
HDR

Arrival and Dismissal Schedule

- 7:00 am:** ELC starts
- 7:50 am:** Teachers report
- 8:00 – 8:25 am:** Gates open; Breakfast served in classrooms
- 8:00 am:** Classrooms open
- 8:30 am:** School starts; Tardy bell rings
- 2:45 pm:** K-1 car gate open; Pre-K students released
- 2:50 pm:** K-1 car riders dismissed
- 3:00 pm:** 2-5 car riders, walkers, bikes, daycare dismissed; Bus riders dismissed as buses arrive
- 3:20 pm:** Teachers dismissed



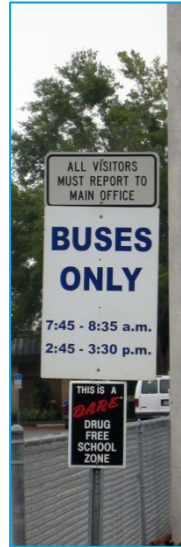
Note: Students are released one hour early on Wednesdays



A SAFE SCHOOLS TRANSPORTATION STUDY

Treadway Elementary School

Bus Access

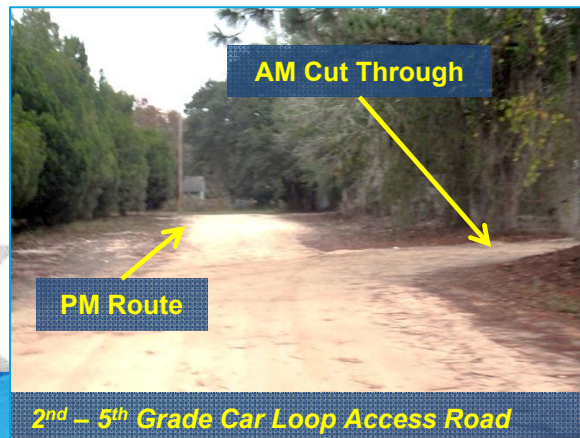
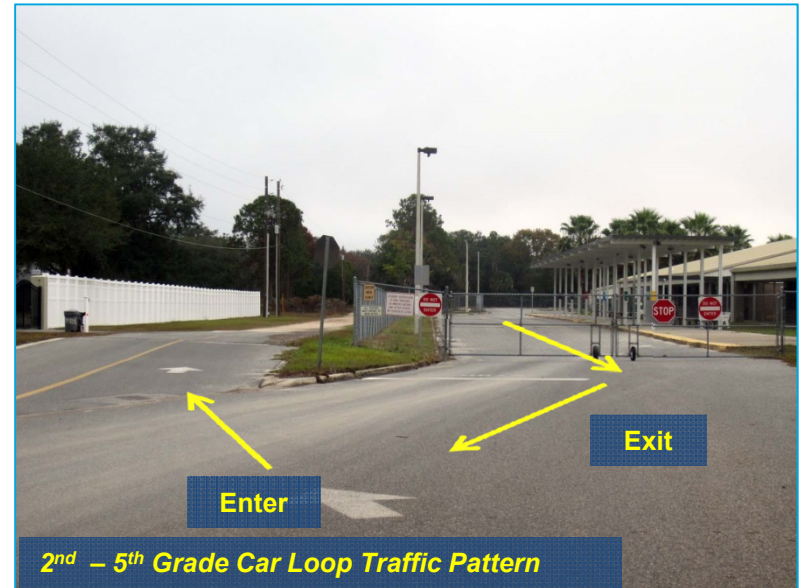


Findings:

- ✓ 12 regular service buses and 1 ESE bus (13 total)
- ✓ Bus riders are released as buses arrive
- ✓ Buses do not arrive at the same time; Sufficient storage observed on site for staggered bus arrival
- ✓ Buses stage / loop through parking lot
- ✓ Bus operations were observed to be well-run and efficient

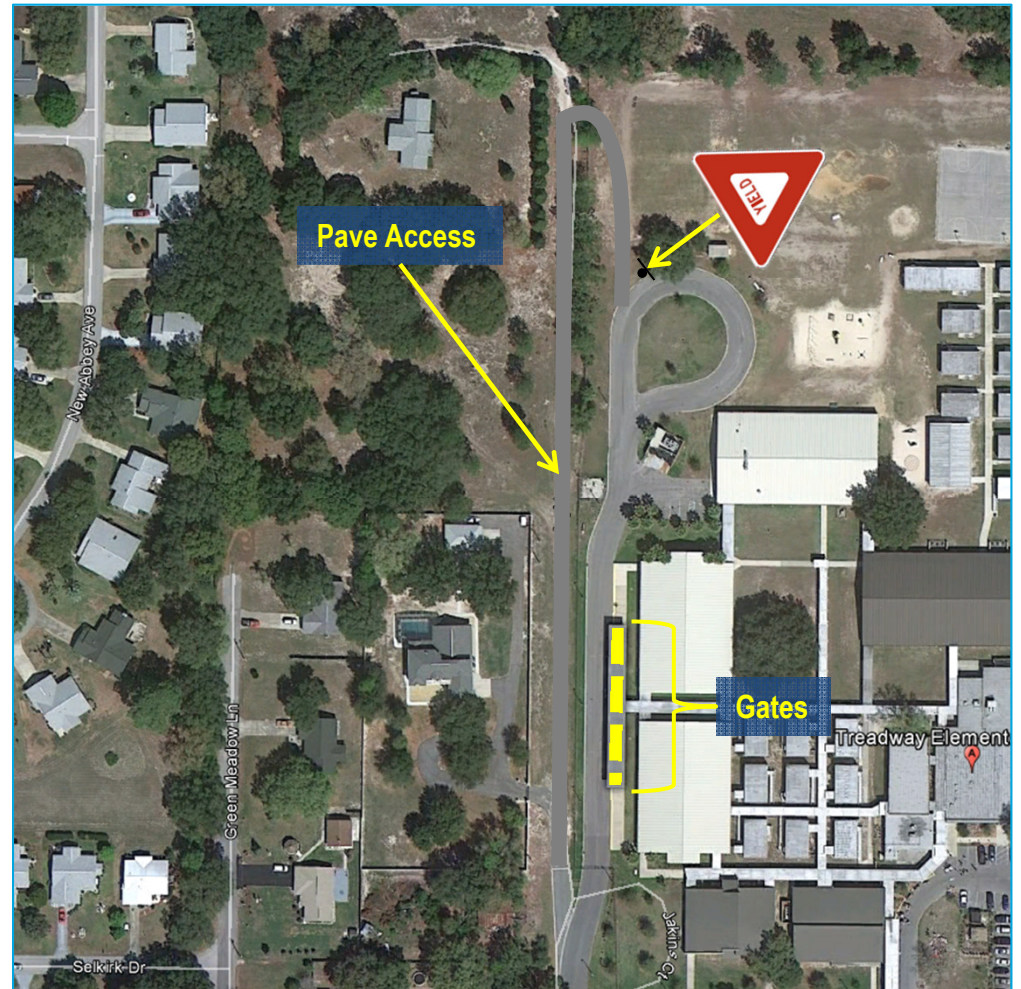
Findings:

- ✓ 2 car loops on campus: pre-K – 1st grade on east side of campus; 2nd – 5th grade on west side of campus
- ✓ 2nd – 5th grade car loop was reversed to address queuing issues on Treadway School Rd
- ✓ 2nd – 5th grade car loop road is non-maintained County road; Poor road conditions (pot holes) cause parents to remote drop off in front of school on Treadway School Rd
- ✓ Gates on pre-K – 1st grade loop; no gates on 2nd – 5th grade loop
- ✓ School utilizes safety patrol to assist with arrival / dismissal
- ✓ AM 2nd – 5th grade loop, cars cut through tree line to shorten trip



Recommendations:

- ✓ Install gates along 2nd – 5th grade car ramp
 - ✓ Note: This project was completed after observations were complete
- ✓ Pave 2nd – 5th grade car loop access to reduce remote pick-up / drop-off on Treadway School Rd



Findings:

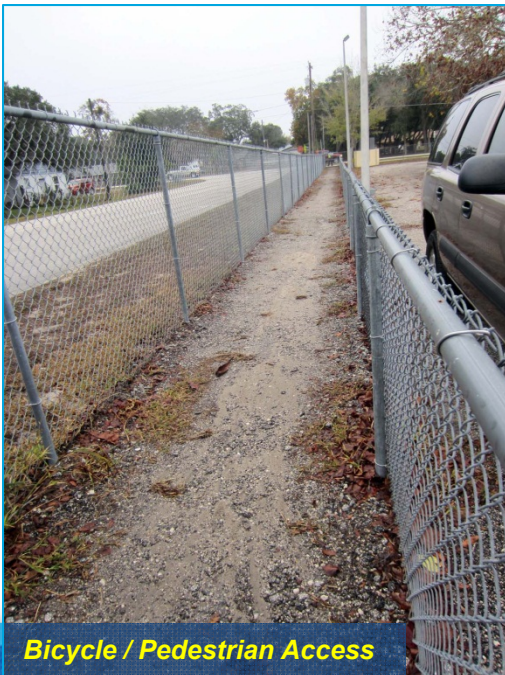
- ✓ Ten parents observed to remote drop-off / pick-up on Treadway School Rd
 - ✓ Conditions of 2-5 car loop access road contribute to remote drop-off / pick-up
- ✓ 5 students observed to wait for parents on Treadway School Rd at Secret Hill Dr; Observed to rough house near street





Findings:

- ✓ Primary bike / pedestrian access is located on southeast corner of campus near crossing guard
 - ✓ Unpaved fenced access
- ✓ Pavement markings within immediate area of school are faded / missing; Sidewalk connections also missing within immediate area
- ✓ Speeding on Treadway School Rd is issue, particularly when beacons are not on (beacons observed to be working during observation but have had issues)



Bicycle / Pedestrian Access



Boys and Girls Club Students



Findings:

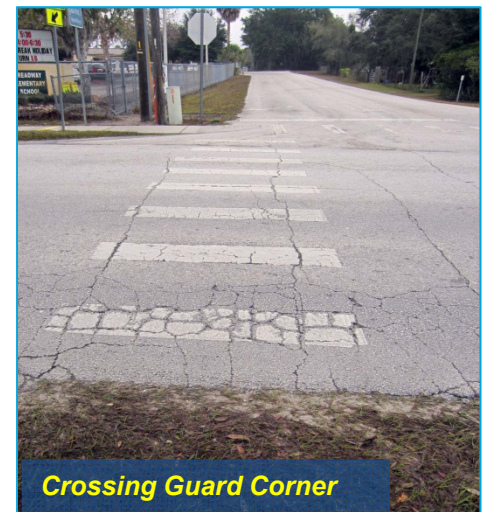
- ✓ Approximately 20 – 25 students cross with crossing guard on Treadway School Rd / pre-K – 1st grade car loop intersection
 - ✓ Crossing guard provided by Sheriff's Department
 - ✓ Crossing guard talks to kids about safety during first week of school
- ✓ Students not allowed to ride bikes without helmets
- ✓ Boys and Girls Club sends staff to school to cross students on Treadway School Rd to aftercare program on west side of campus
- ✓ No sidewalk on south side of Treadway School Rd



South Side of Treadway School Rd

Recommendations:

- ✓ Repaint / install crosswalks on all Treadway School Rd cross streets
- ✓ Construct sidewalk along south side of Treadway School Rd
- ✓ Install “Higher Fines Zone” signs at start and end of school zone
- ✓ Install concrete pad with inverted “U” or ribbon style bicycle rack
- ✓ Pave existing pedestrian access
- ✓ Construct new pedestrian access on west side of campus with mid-block crossing on Treadway School Rd for access to Boys and Girls Club



Crossing Guard Corner



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Treadway Elementary School

Bike/Walk Access

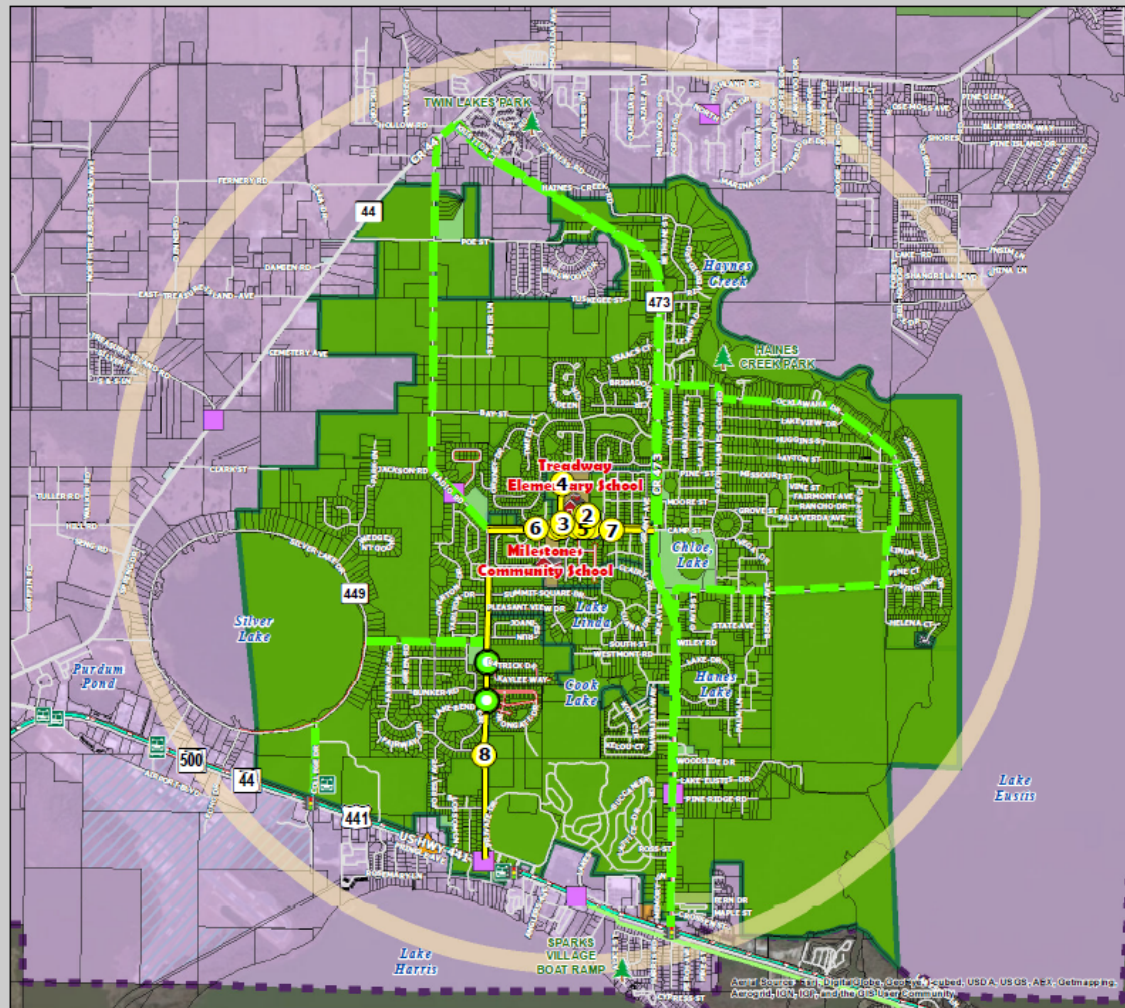
Recommendations:

- ✓ Install crosswalk for Boys and Girls Club student access with additional warning signs regarding speeding



Transportation Access Master Plan

Treadway Elementary School: Transportation Access Master Plan



- Schools**
- Public Schools Lake County
 - Crossing Guard Locations
 - Libraries
 - 2-Mile Buffer of Treadway ES
 - Parent Responsibility Zone
 - Special Exception Areas
 - Treadway ES Attendance Zones (2010-2011)
- Bicycle/Pedestrian Crash Locations 01/2008 - 02/2012 (6 am - 7pm only)**
- 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
 - Existing Sidewalks
 - Existing Trails
 - LakeXpress Bus Routes & Stops
- Identified Improvement Projects**
- Priority Projects (by Project ID)
 - Recommended Projects

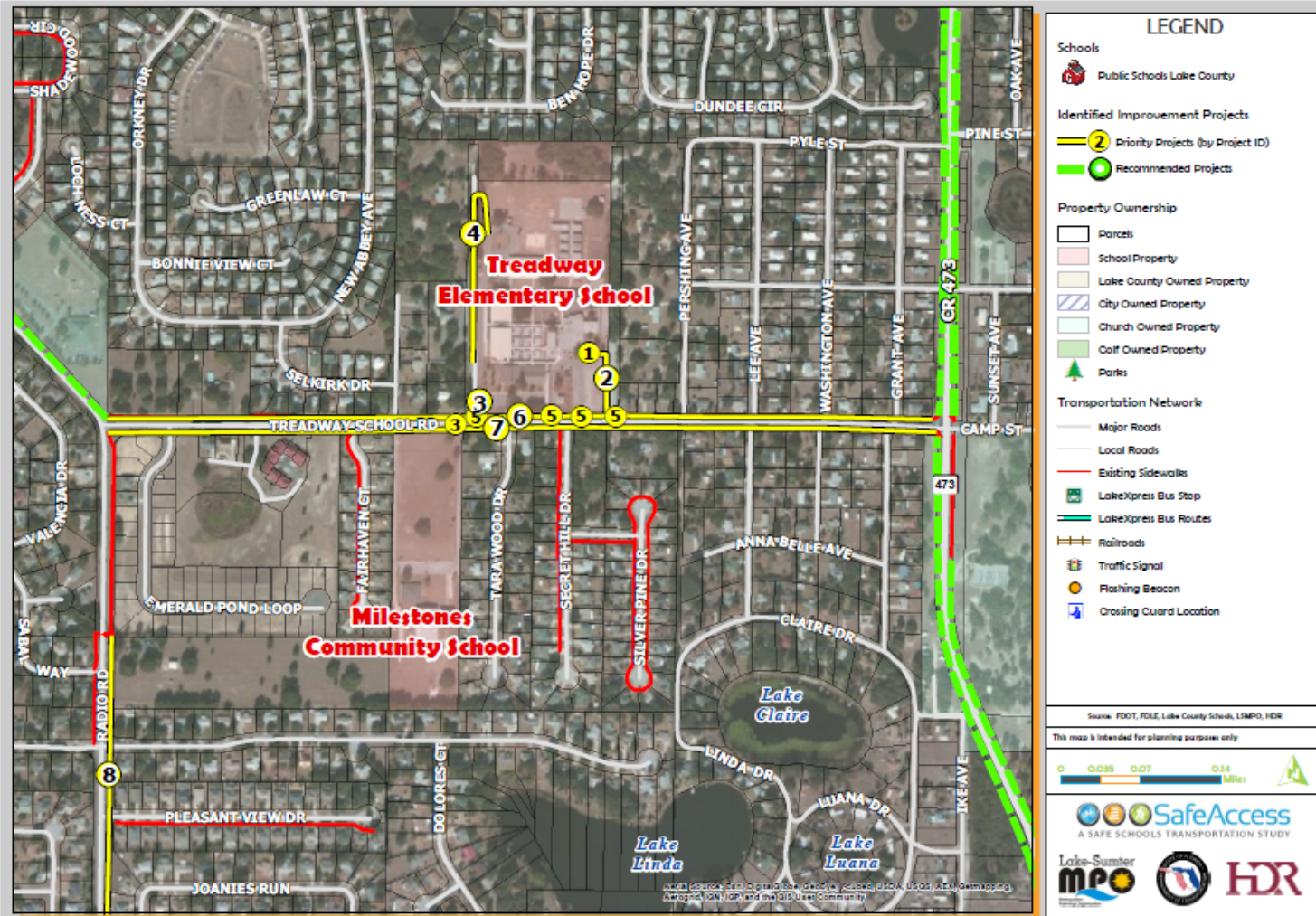
Source: FDOT, FOLE, Lake County Schools, LSMPO, HDR

This map is intended for planning purposes only



Acrobat Reader - This document is a PDF file. To view this document, you must have Adobe Acrobat Reader installed on your computer. For more information, visit www.adobe.com. The map data is derived from the USGS National Wetlands Inventory (NWI) and the USGS National Hydrography Dataset (NHD).

Treadway Elementary School: Priority Projects



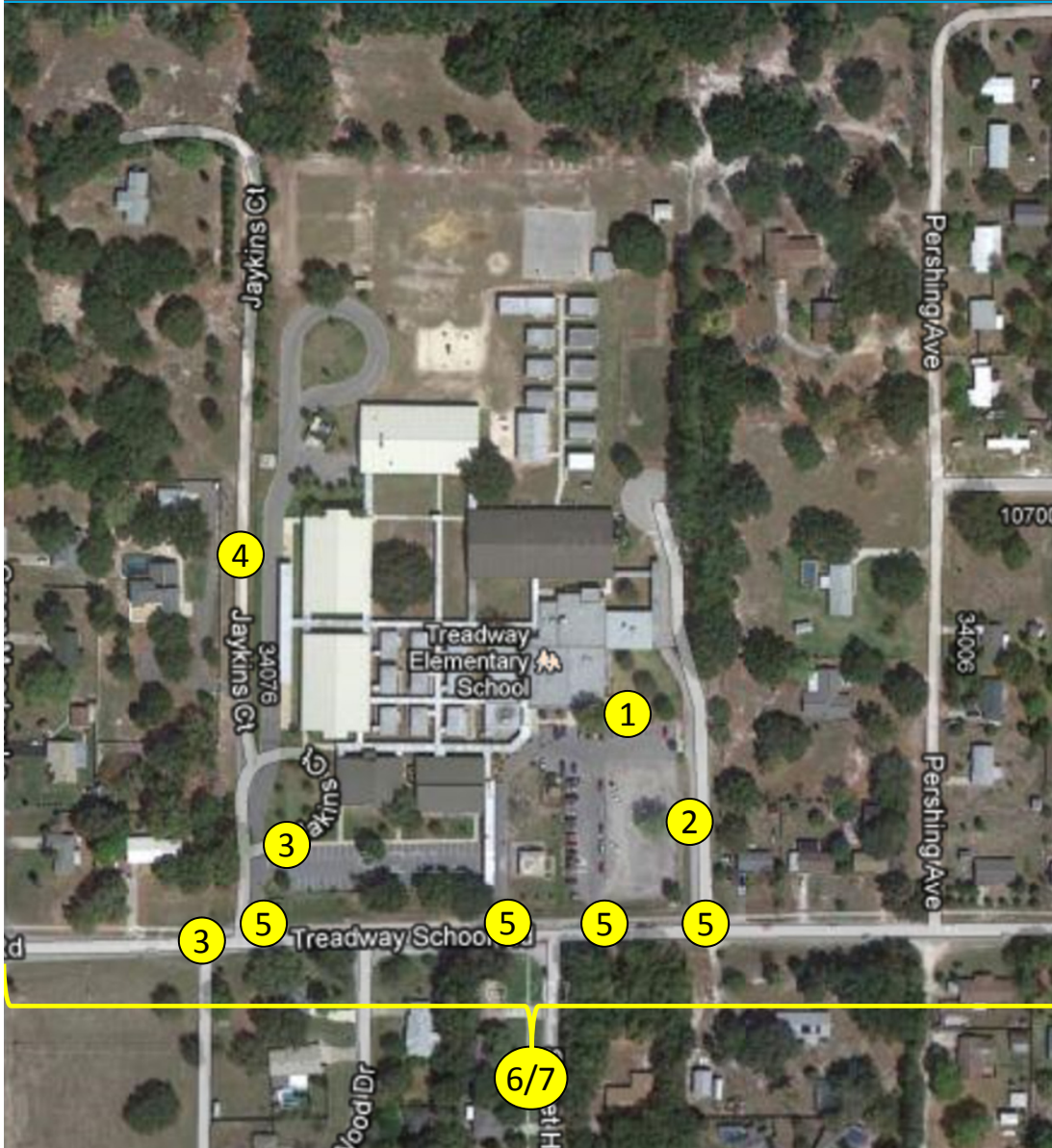


SafeAccess

A SAFE SCHOOLS TRANSPORTATION STUDY

Treadway Elementary School

Recommended Priority Projects



Recommendations:

1. Upgrade bicycle rack
2. Pave pedestrian access into school
3. Add sidewalk / west pedestrian access along Jaykins Ct; New crosswalk across Treadway School Rd
4. Pave / improve Jaykins Ct
5. Add / upgrade school driveway crosswalks
6. Treadway School Rd add / upgrade crosswalks and ADA compliant ramps at cross streets between Radio Rd and CR 473 at the existing sidewalk, upgrade existing school signs
7. New Treadway School Rd sidewalk (south side from Radio Rd to CR 473)
8. Add sidewalk on Radio Rd from US 441 to Clark St (off map)

Recommended Project List

Project Number	Roadway	Location	Project
1	At School	Bicycle Rack	Install new bike rack with concrete pad
2	Bike / Ped Access	At School's pre-K – 1st grade Car Loop	Pave pedestrian access into campus
3	Jaykins Ct	Staff Parking Lot	Add pedestrian access on west side of campus; add sidewalk from school to Treadway School Rd
	Treadway School Rd	At Jaykins Ct	New crosswalk to across Treadway School Rd
4	Jaykins Ct	At School's 2 nd -5 th grade Car Loop	Pave Jaykins Ct
5	School Driveways		Add/upgrade all driveway crosswalks
6	Treadway School Rd	Radio Rd to CR 473	Install crosswalks and ADA ramps on all cross streets at existing sidewalk; install new school zone signs
7	Treadway School Rd	Radio Rd to CR 473	Install new sidewalk on south side of Treadway School Rd
8	Radio Rd	US 441 to Jackson Rd	Install new sidewalk on the east side of Radio Rd

Recommended Project #1

Upgrade Bicycle Parking

Findings:

- ✓ School regularly has a full bicycle rack
- ✓ Bicycle rack located in grass near school

Recommendation:

- ✓ Install concrete pad with inverted “U” or ribbon style bicycle rack
 - ✓ Provide enough for 10 bikes minimum



Recommended Project #2

Pave Pedestrian Access

Findings:

- ✓ All walkers / bikers must access school using designated pedestrian gate / access

Recommendations:

- ✓ Pave pedestrian access from Treadway School Rd to bicycle rack / school building

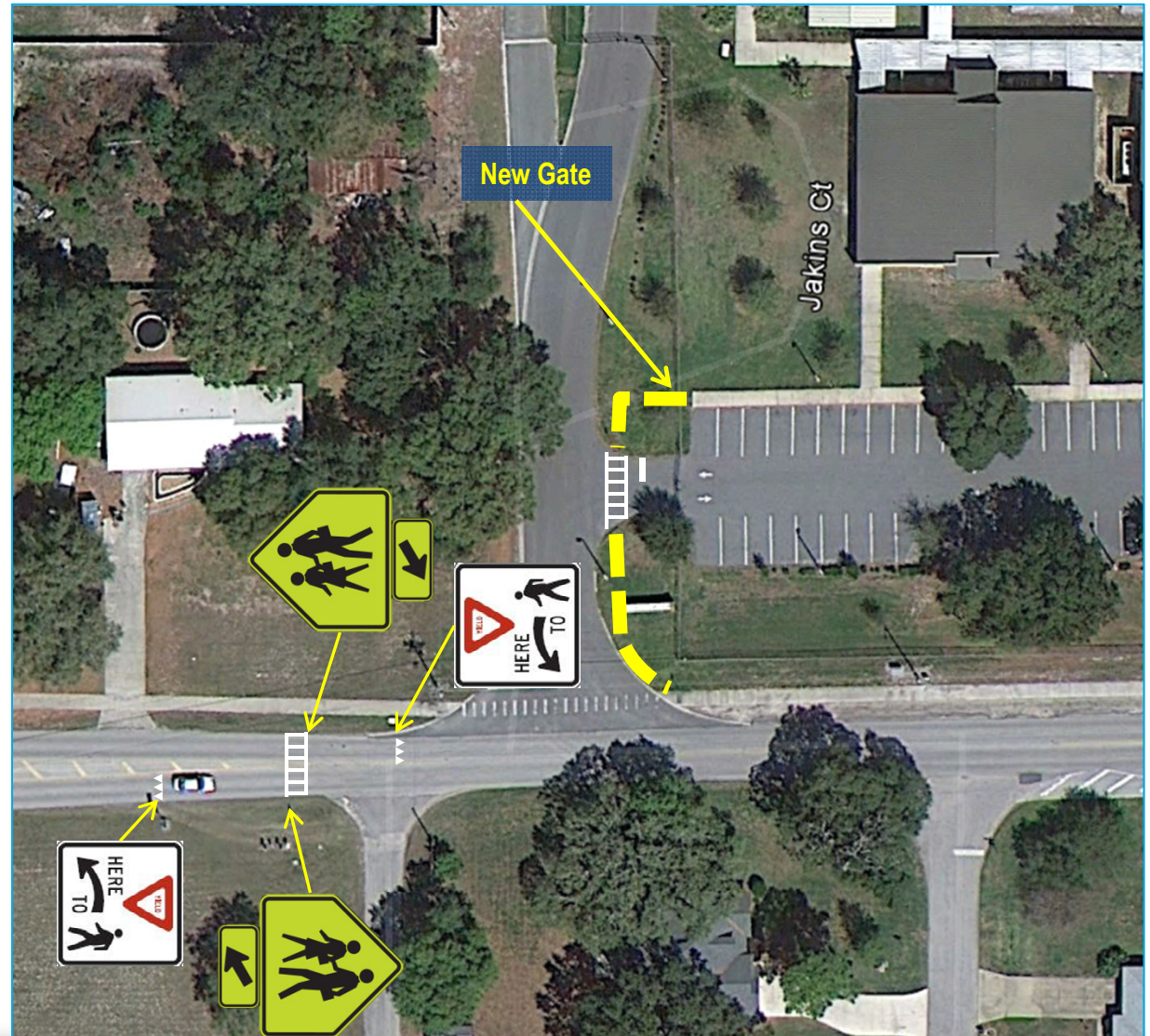


Findings:

- ✓ Boys and Girls Club escorts students out of campus on the west side
 - ✓ No existing sidewalk connection to Treadway School Rd

Recommendations:

- ✓ Construct new sidewalk connection from campus sidewalk to Treadway School Rd
 - ✓ Install new pedestrian gate
 - ✓ Install crosswalk; move stop bar / sign at staff parking driveway
- ✓ Install mid-block crossing west of Jakins Ct to Boys and Girls Club

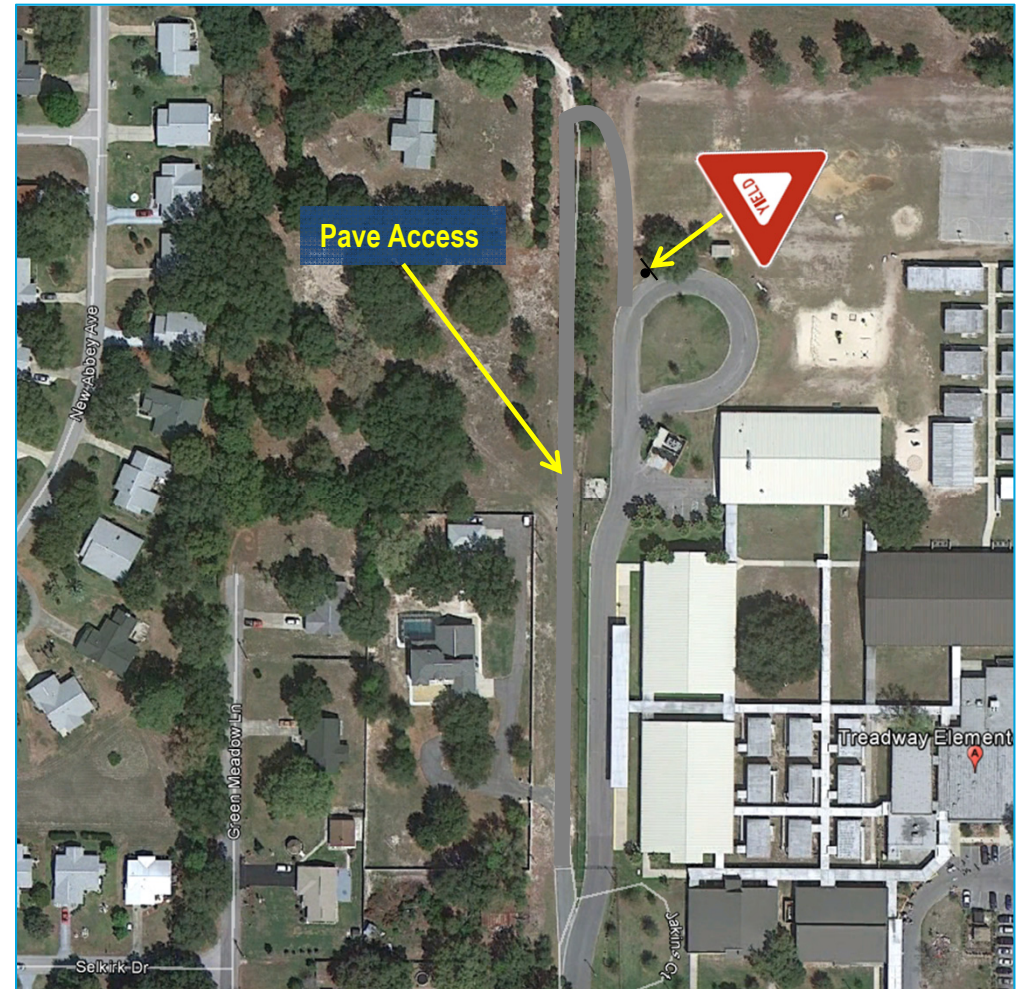


Recommended Project #4

Pave Jaykins Court

Recommendations:

- ✓ Pave 2nd – 5th grade car loop access (Jaykins Court)
- ✓ May reduce remote pick-up / drop-off on Treadway School Rd
- ✓ Install yield sign for loop traffic



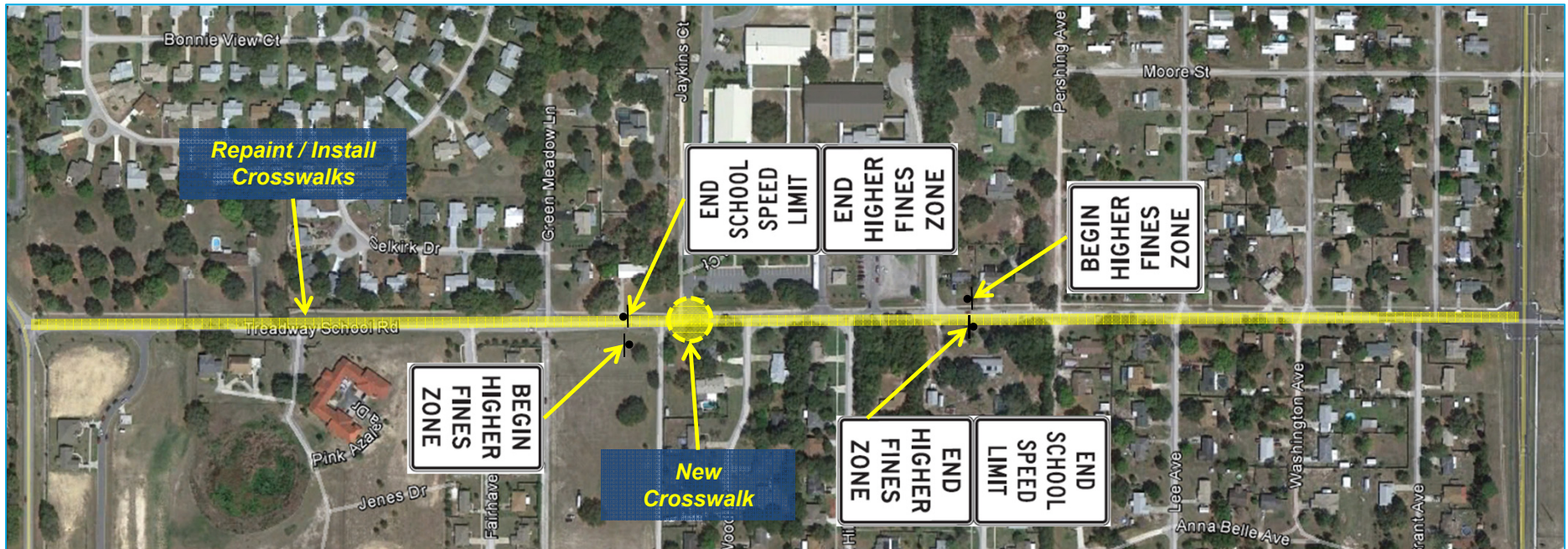
Recommendations:

- ✓ Install or repaint all driveway crosswalks at school site



Recommendations:

- ✓ Repaint / install crosswalks on all cross streets along Treadway School Rd between Radio Rd and CR 473
 - ✓ Include detectable warning mats on all sidewalk ramps
- ✓ Install “Higher Fines Zone” signs at start and end of school zone
- ✓ Install crosswalk for Boys and Girls Club student access (if priority project #3 is not complete)



Recommended Project #7

New Sidewalk on Treadway School Road

Findings:

- ✓ Several students observed to arrive / depart school from south side of Treadway School Rd
- ✓ Boy and Girls Club located on south side of roadway

Recommendations:

- ✓ Construct new sidewalk along south side of Treadway School Rd from Radio Rd to CR 473



Recommended Project #8

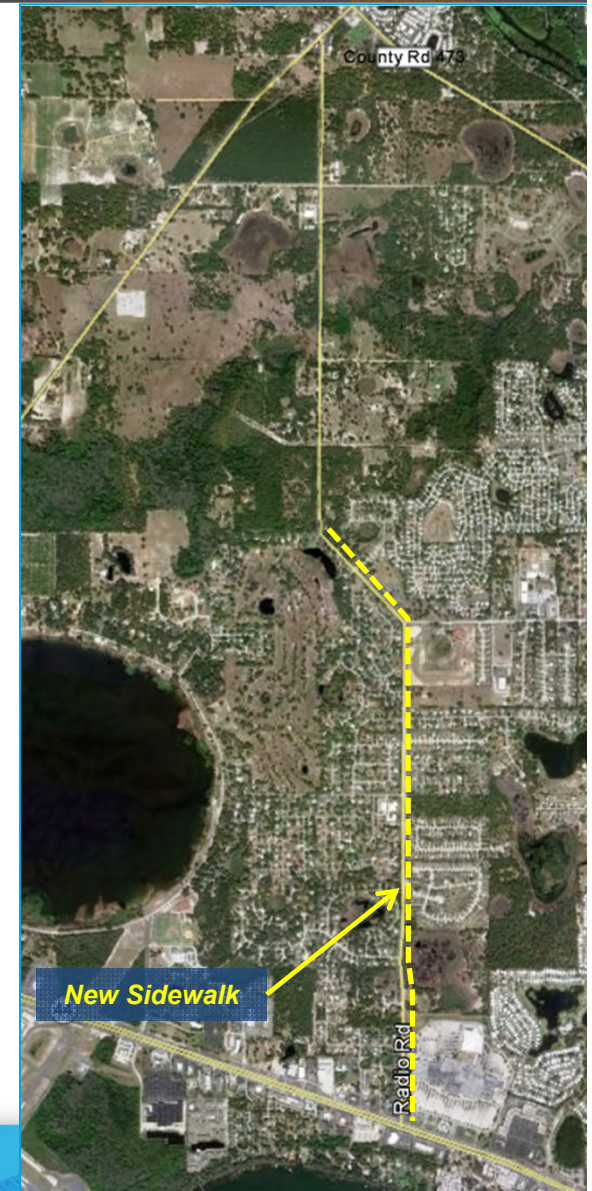
New Sidewalk on Radio Road

Findings:

- ✓ Many students live along Radio Rd south of Treadway School Rd

Recommendations:

- ✓ Construct new sidewalk along east side of Radio Rd from Clark St to US 441; this is currently part of an unfunded County project, LCS, the Lake~Sumter MPO and the school should coordinate with Lake County on this project



Priority #	Item	Quantity	Units	Total
2	Sidewalk	350	ft	\$50,000.00
3	Sidewalk	110	ft	\$29,700.00
3	Crosswalk	55	ft	\$123.00
3	Stop Bar	22	ft	\$85.00
3	Crosswalk Signs	4	Signs	\$1,200.00
4	Roadway	950	ft	\$98,800.00
4	Yield Sign	1	Signs	\$300.00
5	Crosswalk	265	ft	\$592.00
6	School Zone Sign	6	Signs	\$1,800.00
6	Crosswalk	160	ft	\$357.00
7	Sidewalk	3520	ft	\$303,400.00
7	Crosswalk	255	ft	\$569.00

ESTIMATE BASIS AND ASSUMPTIONS:

- Sidewalk estimates based on estimating tool developed for Phase 1, Estimates for all other improvements based on Unit Costs per FDOT Lake County (Area 7) averages (07/2011 - 06/2012).
- Estimate does not include design costs, CEI costs, or utility relocation costs, utility relocation assumed by others.
- The mobilization costs are based on 15% of the construction cost and estimates include maintenance of traffic costs (15% of construction costs).
- Regular excavation & embankment to 1 ft depth is assumed
- No R/W costs included
- No specialized landscaping (beyond sodding) is included.
- Sidewalk is assumed to be 5 feet wide, unit given is in linear feet.

Roadway	From/To	Project
Radio Rd	Jackson Rd to SR 44	Add sidewalk on east side
CR 44	Radio Rd to CR 473	Add sidewalk on south side
Morningside Dr	Radio Rd to CR 449	Add sidewalk on north side
Silver Lake Trail	Stonepark Dr to Patrick Dr	Add sidewalk connections to proposed trail alignment
College Dr	US 441 to CR 449	Add sidewalk
CR 473	CR 44 to California St	Add sidewalks to both sides
CR 473	California St to US 441	Add sidewalk
Bell Rd / Northern Ave	CR 473 to Lincoln Rd	Add sidewalk
Lincoln Rd	Northern Ave to Lake Pines / Carl Rd	Add sidewalk
Lake Pines / Carl Rd	Lincoln Ave to Ocklawaha Dr	Add sidewalk



A SAFE SCHOOLS TRANSPORTATION STUDY

Treadway Elementary School

Other Recommendations

Roadway	From/To	Project
Ocklawaha Dr	Carl Rd to S Haines Creek Rd	Add sidewalk
S Haines Creek Rd	Ocklawaha Dr to CR 473	Add sidewalk





A SAFE SCHOOLS TRANSPORTATION STUDY

Treadway Elementary School

Other Sidewalk Projects

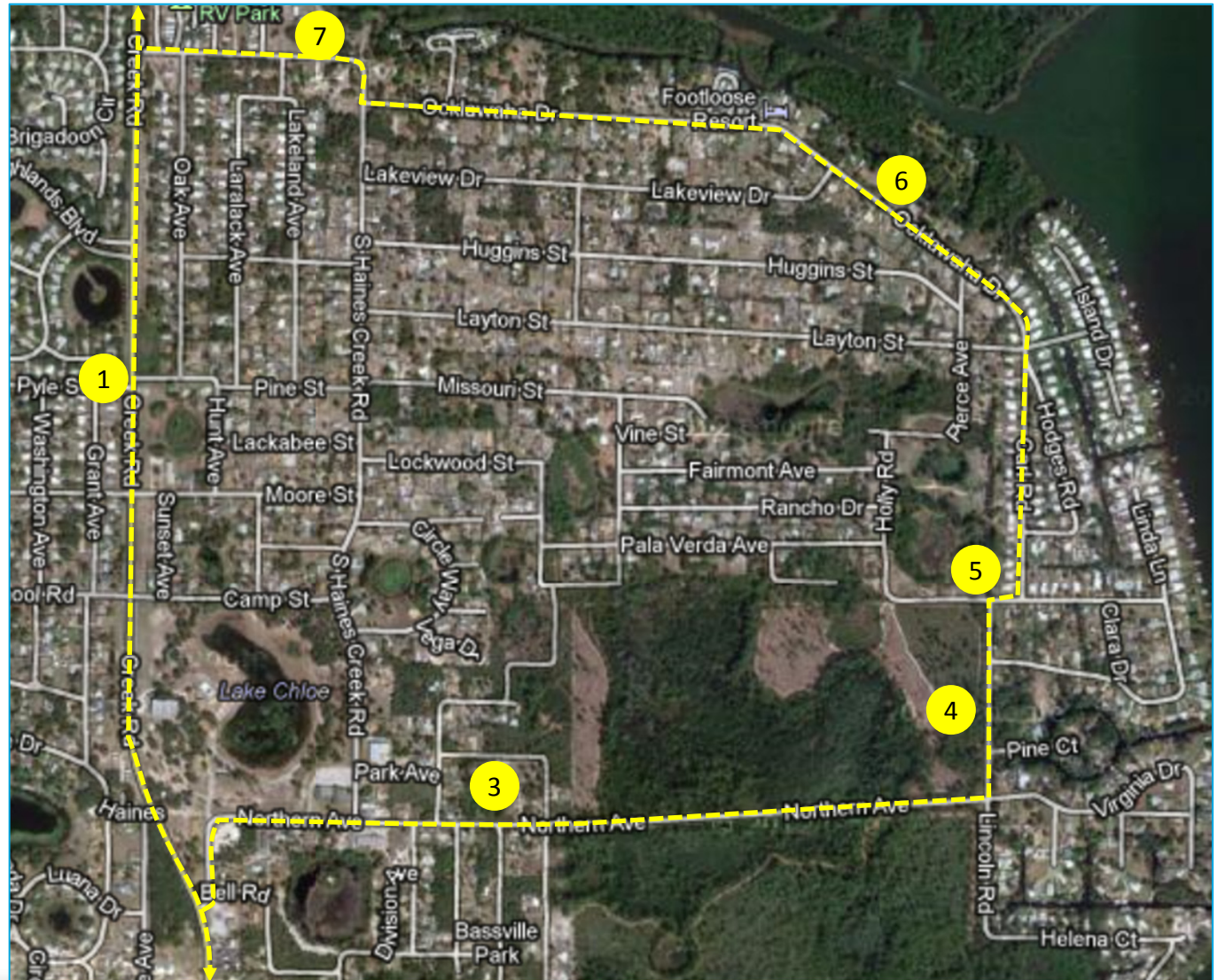
Recommendations:

1. East side of Radio Rd from Jackson Rd to CR 44
2. South side of CR 44 from Radio Rd to CR 473
3. North side of Morningside Dr from Radio Rd to CR 449 / Silver Lake Dr
4. Include sidewalk connection on Silver Lake Tr from Stonepark Dr to Patrick Dr to proposed trail project (not shown)
5. College Dr from US 441 to CR 449 / Silver Lake Dr



Recommendations:

1. Both sides of CR 473 from CR 44 to California St
2. CR 473 from California St to US 441 (not shown)
3. Bell Rd / Northern Ave from CR 473 to Lincoln Rd
4. Lincoln Rd from Northern Ave to Lake Pines / Carl Rd
5. Lake Pines / Carl Rd from Lincoln Ave to Ocklawaha Dr
6. Ocklawaha Dr from Carl Rd to S Haines Creek Rd
7. S Haines Creek Rd from Ocklawaha Dr to CR 473





Treadway Elementary School

Contact Information

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*