

Hazardous Walking Conditions

2018-19 Site Review in Accordance with Section 1006.23 FS

FDOE Station ID: 110017



Prepared for:

**Lake County BCC — Public Works Department
Lake-Sumter MPO
Lake County Sheriff's Office**

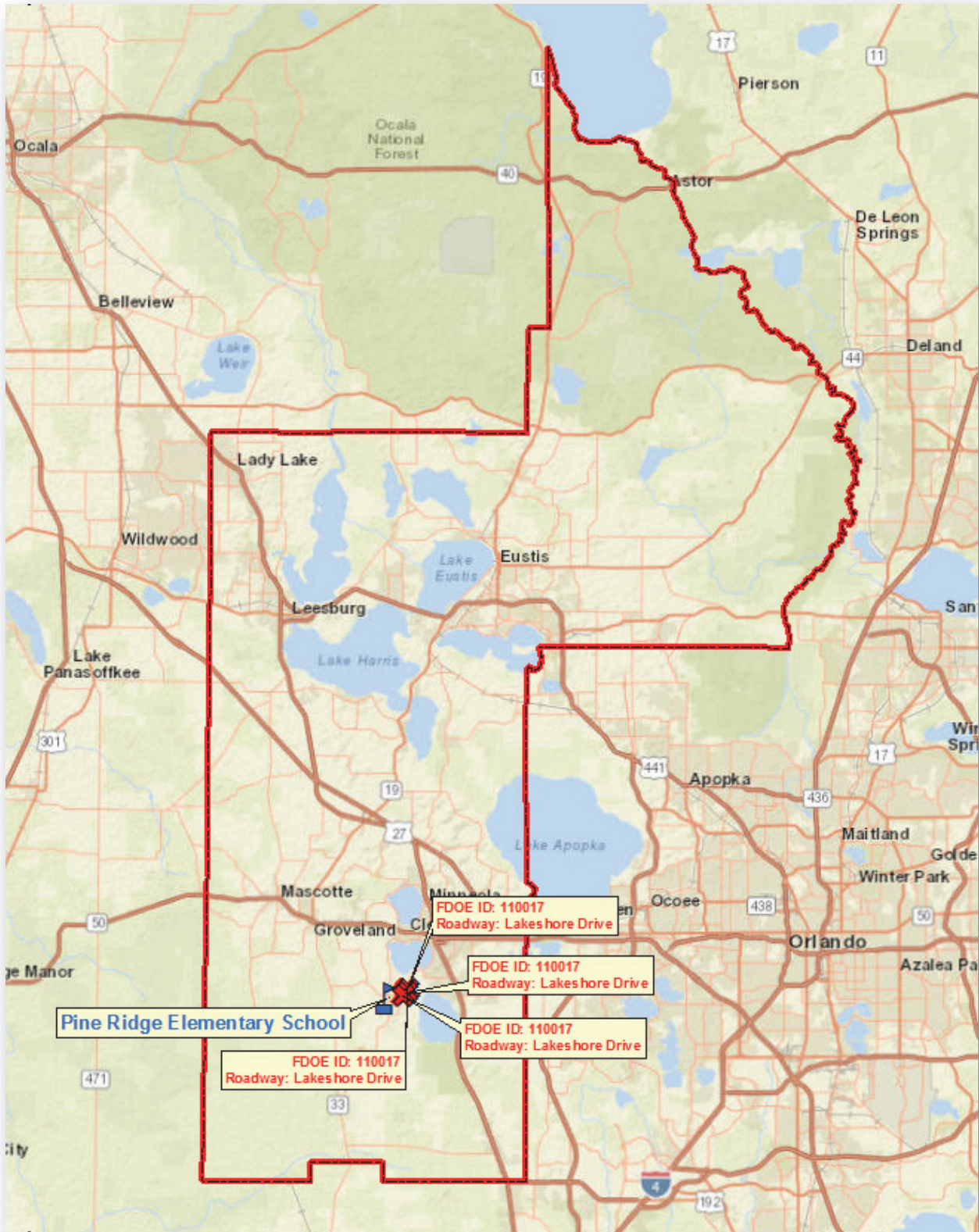
Prepared by:

**William C. "Will" Davis, GISP
Manager, Geographic Information Systems**

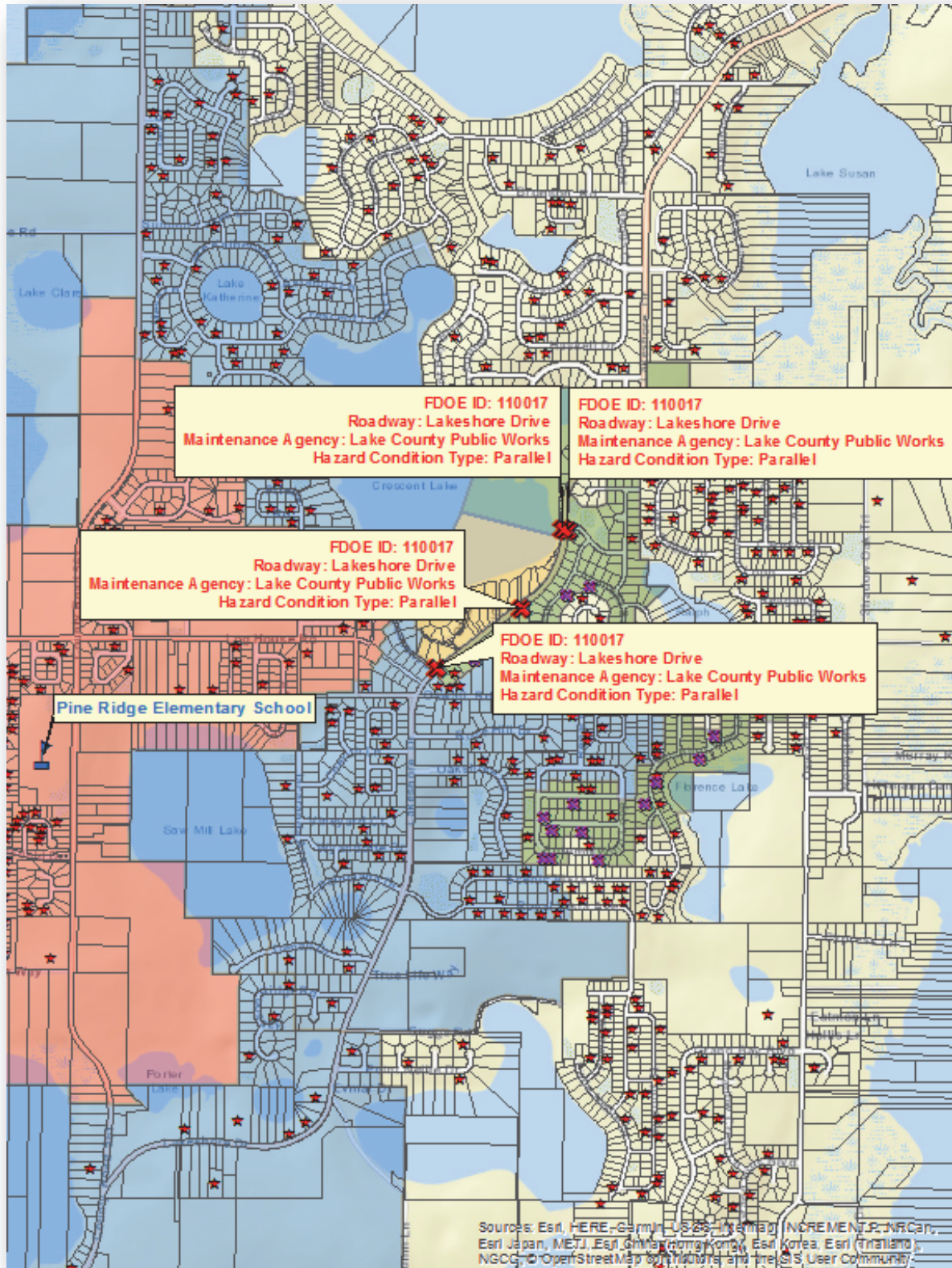


August 21, 2018

FDOT HWC# 110017



General Overview



Detailed (North) Hazardous View



Detailed (Central) Hazardous View



Detailed (South) Hazardous View



Legend

✖	Impacted Students (March 12th, 2018)	Elementary 2-Mile Walk Zone Status
★	All Elementary Students (March 12th, 2018)	Non-Student Impact FDOE Hazardous Walking Condition
🏫	Elementary School	LC SB Temporary Ridership Zone (1 to 2 Miles)
✖	Hazardous Walking Condition Locations	FDOE Submitted Hazardous Walking Condition
□	Tax Parcel Boundaries	Parent Responsibility Zone (PRZ)



Hazardous Walking Site Review Checklist

(To assist in determining eligibility for school transportation based on hazardous walking conditions in accordance with section 1006.23, Florida Statutes)

Walkways Parallel To The Road

- | <u>YES</u> | <u>NO</u> | |
|------------|--------------|---|
| _____ | <u> X </u> | 1. Is the location in a residential area with little or no traffic? Is the location in a residential area and on a road or street that is not used as a major artery or cut-through? |
| _____ | <u> X </u> | 2. Is the location on a road where the traffic volume is fewer than 180 vehicles per direction per hour at 6:00 am - 9:00 am and 2:00 pm - 4:00 pm? Note: <i>If the traffic count during the times students must walk is <u>180 vehicles per hour or more, in either direction</u>, the answer to this question is "no."</i> |
| _____ | <u> X </u> | 3. Is the area located in a residential area and on a road that has a posted speed limit of 30 miles per hour or less? |

**If the answer to either 1., 2. or 3. is "YES," the area does not qualify as a hazardous walking location.
If the answers to 1., 2. and 3. are all "NO," continue to next question.**

If the posted speed limit is less than 50 mph:

- | | | |
|-------|--------------|--|
| _____ | <u> X </u> | 4. Is there an area at least four feet wide with a "surface upon which students may walk" that prevents the students from having to walk on the road? Note: <i>The surface does not have to be a sidewalk, but simply a surface upon which the students may walk. Weeds, tall grass or flooding may be temporary maintenance problems that do not constitute a hazardous walking area. A walking surface does not include drainage ditches, sluiceways, swales or channels. A paved area contiguous with the paved roadway or extended shoulder (also known as a "breakdown lane"), with no separation from the driving area or raised curb, is not a walkway.</i> |
|-------|--------------|--|

If the posted speed limit is 50 mph or greater:

- | | | |
|----------------|----------------|---|
| <u> N/A </u> | <u> N/A </u> | 5. Is the road uncurbed with a four-foot wide walking surface (as defined in 4. above) separated from the road by an additional three or more feet? |
| <u> N/A </u> | <u> N/A </u> | 6. Is the road curbed with at least a four-foot wide walking surface (as defined in 4. above)? |

If the answer to 4., 5. or 6. is "YES," the area does not qualify as a hazardous walking location.

Walkways Crossing Over The Road

(When students must cross the road)

A. For an “uncontrolled crossing site” (no crossing guard, traffic enforcement officer, stop sign or other traffic control signal present during student walk times):

YES

NO

N/A

N/A

1. Does the traffic volume exceed 360 vehicles per direction, per hour (either direction, including all lanes in each direction)?

N/A

N/A

2. Does the road have a posted speed limit of 50 MPH or greater?

N/A

N/A

3. Does the road have six or more lanes (not including turning lanes)?

If the answers to the above questions are “NO,” the area does not qualify as a hazardous walking location. If the answer to any of the above questions is “YES,” the area would qualify as a hazardous walking location.

B. For an intersection or crossing site controlled by a stop sign or other traffic control signal, but without crossing guards or traffic enforcement officers during the times students must walk:

N/A

1. Does the total traffic volume (total of both directions) exceed 4,000 vehicles per hour?

If the answer is “NO,” the area does not qualify as a hazardous walking location.

C. Any intersection or other crossing site with a crossing guard or other traffic enforcement officer does not qualify as a hazardous walking location, regardless of the posted speed limit.

D. Comments/Notes/Diagrams:

See attached materials.

Hazardous Walking Site Review - Documentation and Authorization

School District: Lake Site Review Date: 7/10/2018

Hazard Location: Lakeshore Drive Northeast of Log House Road

Hazard Location Is: Parallel to the road Traffic Count: 689 VPH (morning)
 Crossing over the road Traffic Count: _____

Hazard Jurisdiction: Municipal (Identify: _____) County State

Permanent Hazard? Yes No If no, anticipated correction date: _____

School District Representative: William C. Davis, GISP
Print Name *Signature*

Email: davisw@lake.k12.fl.us Phone: 352-253-6707

Roadway Jurisdiction Representative: Seth Lynch
Print Name *Signature*

Agency/Entity: Lake County Public Works Title: Engineer III
Email: slynch@lakecountyfl.gov Phone: 352-253-9052

Law Enforcement Representative: Sgt. J.S. DeSantis (818)
Print Name *Signature*

Agency/Entity: Lake County Sheriff's Office Title: T.E.U./SWAT
Email: Jeff.DeSantis@lcsso.org Phone: 352-606-9722

Metropolitan Planning Organization Representative: Michael F. Woods
(If applicable) *Print Name* *Signature*

Agency/Entity: Lake-Sumter MPO Title: Interim Executive Director
Email: mwoods@lakesumtermpo.com Phone: 352-315-0170

Assigned FDOE Hazardous Walking Database Location Code: 110017 Date Entered: N/A

Staff assigning and entering hazardous walking location into the database: William C. Davis

Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC177

Hourly Directional Summary

Hour	Volume		Total
	WB	EB	
0:00	70	31	101
1:00	39	14	53
2:00	23	7	30
3:00	16	26	42
4:00	18	63	81
5:00	43	240	283
6:00	102	460	562
7:00	217	637	854
8:00	263	589	852
9:00	230	397	627
10:00	217	325	542
11:00	282	331	613
12:00	302	332	634
13:00	320	317	637
14:00	421	365	786
15:00	470	377	847
16:00	620	329	949
17:00	684	377	1,061
18:00	551	338	889
19:00	403	268	671
20:00	389	199	588
21:00	276	99	375
22:00	171	60	231
23:00	142	55	197
Total	6,269	6,236	12,505

LC177 Summary

Date of Count	3/30/2017
Total Volume	12,505
WB Volume	6,269
EB Volume	6,236
Bi-direction PH Time	16:45
Bi-direction PH Volume	1,079
PM PH (3:00 PM - 7:00 PM)	16:45
PM PH Bi-direction Volume	1,079
WB PM PH Direction Volume	715
EB PM PH Direction Volume	364
Peak Direction	WB
% Change Daily from 2012	Calc in Sheet
"K" Factor	0.0863
"D" Factor (calculated)	0.66

Notes:

- PH (Peak Hour)
- K (Planning Analysis Factor)
- D (Directional Factor)

Hour	Volume		Total
	WB	EB	
15	21	9	30
30	20	6	26
45	17	14	31
100	12	2	14
115	16	4	20
130	8	3	11
145	11	3	14
200	4	4	8
215	5	1	6
230	6	2	8
245	11	2	13
300	1	2	3

Hourly Vols at 15 minute increments

	WB Volum	EB Volume	
101	0:00	70	31
91	0:15	65	26
76	0:30	53	23
59	0:45	47	12
53	1:00	39	14
39	1:15	28	11
36	1:30	26	10
35	1:45	26	9
30	2:00	23	7
35	2:15	24	11
35	2:30	21	14
32	2:45	13	19

**Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC177**

Hour	Volume		Total	Hourly Vols at 15 minute increments	WB Volum EB Volume		
	WB	EB			WB	EB	
315	6	5	11	42	3:00	16	26
330	3	5	8	45	3:15	15	30
345	3	7	10	53	3:30	15	38
400	4	9	13	70	3:45	16	54
415	5	9	14	81	4:00	18	63
430	3	13	16	130	4:15	22	108
445	4	23	27	169	4:30	27	142
500	6	18	24	208	4:45	34	174
515	9	54	63	283	5:00	43	240
530	8	47	55	327	5:15	50	277
545	11	55	66	398	5:30	58	340
600	15	84	99	486	5:45	79	407
615	16	91	107	562	6:00	102	460
630	16	110	126	635	6:15	127	508
645	32	122	154	694	6:30	151	543
700	38	137	175	771	6:45	171	600
715	41	139	180	854	7:00	217	637
730	40	145	185	936	7:15	258	678
745	52	179	231	971	7:30	282	689
800	84	174	258	941	7:45	283	658
815	82	180	262	852	8:00	263	589
830	64	156	220	767	8:15	242	525
845	53	148	201	710	8:30	235	475
900	64	105	169	662	8:45	234	428
915	61	116	177	627	9:00	230	397
930	57	106	163	587	9:15	229	358
945	52	101	153	565	9:30	223	342
1000	60	74	134	551	9:45	229	322
1015	60	77	137	542	10:00	217	325
1030	51	90	141	572	10:15	232	340
1045	58	81	139	562	10:30	234	328
1100	48	77	125	594	10:45	260	334
1115	75	92	167	613	11:00	282	331
1130	53	78	131	612	11:15	277	335
1145	84	87	171	637	11:30	302	335
1200	70	74	144	612	11:45	290	322
1215	70	96	166	634	12:00	302	332
1230	78	78	156	625	12:15	311	314
1245	72	74	146	608	12:30	304	304
1300	82	84	166	638	12:45	310	328
1315	79	78	157	637	13:00	320	317
1330	71	68	139	694	13:15	353	341
1345	78	98	176	714	13:30	372	342
1400	92	73	165	727	13:45	384	343
1415	112	102	214	786	14:00	421	365

282

689

**Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC177**

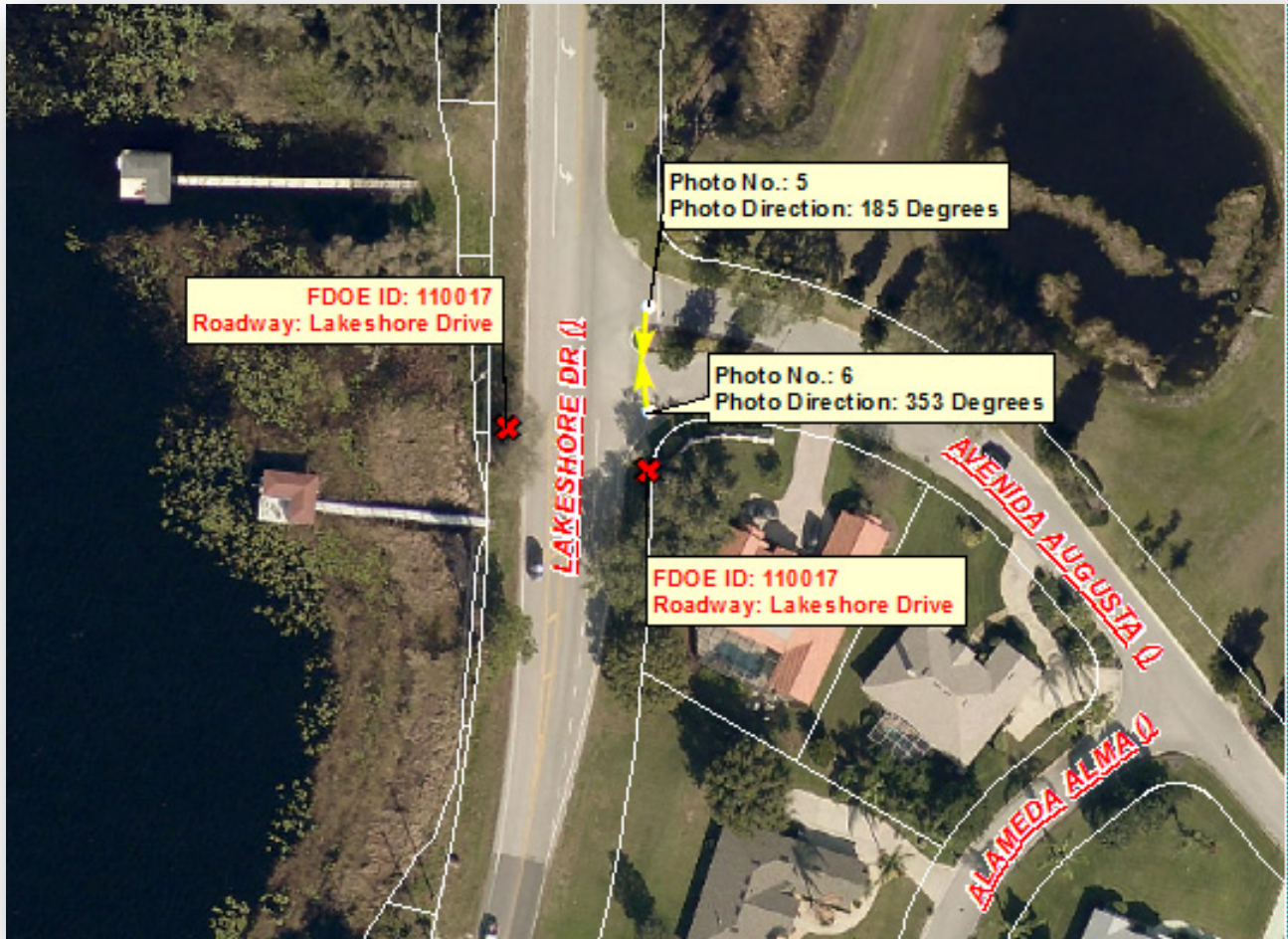
Hour	Volume WB	Volume EB	Total
1430	90	69	159
1445	90	99	189
1500	129	95	224
1515	120	111	231
1530	122	104	226
1545	110	94	204
1600	118	68	186
1615	144	68	212
1630	125	82	207
1645	176	84	260
1700	175	95	270
1715	164	85	249
1730	212	80	292
1745	164	104	268
1800	144	108	252
1815	150	106	256
1830	145	84	229
1845	118	65	183
1900	138	83	221
1915	105	90	195
1930	116	58	174
1945	88	68	156
2000	94	52	146
2015	104	64	168
2030	110	48	158
2045	101	36	137
2100	74	51	125
2115	76	26	102
2130	77	25	102
2145	77	22	99
2200	46	26	72
2215	54	18	72
2230	43	14	57
2245	46	12	58
2300	28	16	44
2315	44	16	60
2330	32	13	45
2345	40	20	60
2400	26	6	32

Hourly Vols at 15 minute increments

Hourly Vols at 15 minute increments	WB Volum	EB Volume	
803	14:15	429	374
870	14:30	461	409
885	14:45	481	404
847	15:00	470	377
828	15:15	494	334
809	15:30	497	312
865	15:45	563	302
949	16:00	620	329
986	16:15	640	346
1071	16:30	727	344
1079	16:45	715	364
1061	17:00	684	377
1068	17:15	670	398
1005	17:30	603	402
920	17:45	557	363
889	18:00	551	338
828	18:15	506	322
773	18:30	477	296
746	18:45	447	299
671	19:00	403	268
644	19:15	402	242
628	19:30	396	232
609	19:45	409	200
588	20:00	389	199
522	20:15	361	161
466	20:30	328	138
428	20:45	304	124
375	21:00	276	99
345	21:15	254	91
300	21:30	220	80
259	21:45	189	70
231	22:00	171	60
219	22:15	161	58
207	22:30	150	57
209	22:45	144	65
197	23:00	142	55
	23:15	98	39

FDOE HWC# 110017

(North Area View)



FDOE HWC# 110017 (Continued)

(Central Area View)



FDOE HWC# 110017 (Continued)

(South Area View)



Hazardous Walking Condition ID: 110017
Field Inspection Photos



Photo No. 1: Date & Time: 2018:07:18 10:10:54 / Photo Direction of View: 216°



Photo No. 2: Date & Time: 2018:07:18 10:11:16 / Photo Direction of View: 63°

Hazardous Walking Condition ID: 110017
Field Inspection Photos -- Continued



Photo No. 3: Date & Time: 2018:07:18 10:15:40 / Photo Direction of View: 216°



Photo No. 4: Date & Time: 2018:07:18 10:15:50 / Photo Direction of View: 71°

Hazardous Walking Condition ID: 110017
Field Inspection Photos -- Continued



Photo No. 5: Date & Time: 2018:07:18 10:20:17 / Photo Direction of View: 185°



Photo No. 6: Date & Time: 2018:07:18 10:20:45 / Photo Direction of View: 353°

FDOE HWC# 110017

(North Area View)



FDOE HWC# 110017 (Continued)

(Central Area View)



FDOE HWC# 110017 (Continued)

(South Area View)



Hazardous Walking Condition ID: 110017
Field Inspection Photos



Photo No. 2: Photo Direction of View: 31°



Photo No. 3: Photo Direction of View: 210°

Hazardous Walking Condition ID: 110017
Field Inspection Photos -- (Continued)



Photo No. 4: Photo Direction of View: 190°



Photo No. 5: Photo Direction of View: 85°

Hazardous Walking Condition ID: 110017
Field Inspection Photos -- (Continued)



Photo No. 6: Photo Direction of View: 29°



Photo No. 7: Photo Direction of View: 275°

Hazardous Walking Condition ID: 110017
Field Inspection Photos -- (Continued)



Photo No. 8: Photo Direction of View: 188°



Photo No. 9: Photo Direction of View: 89°