

# Hazardous Walking Conditions

2018-19 Site Review in Accordance with Section 1006.23 FS

**FDOE Station ID: 110011**



Prepared for:

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

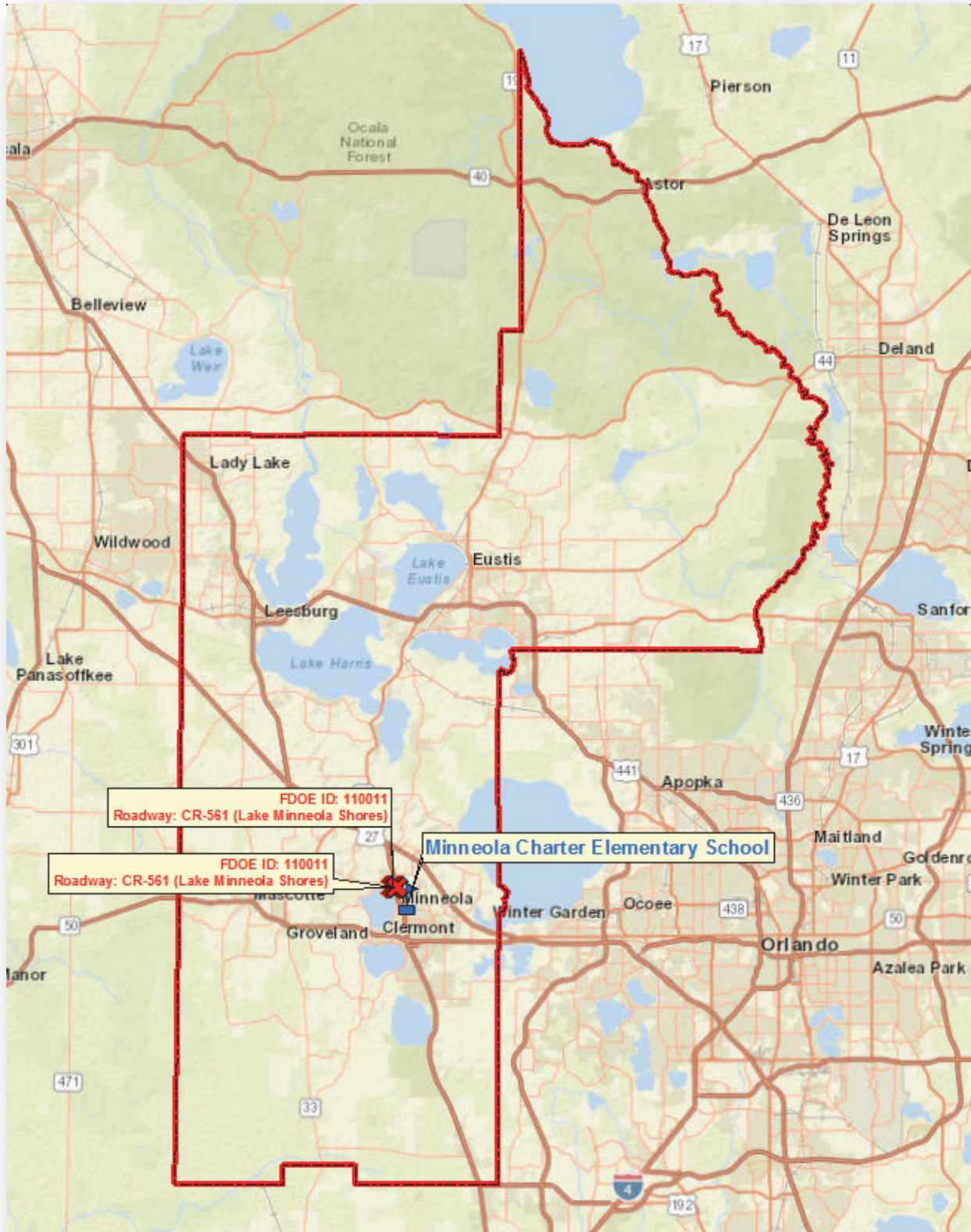
Prepared by:

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

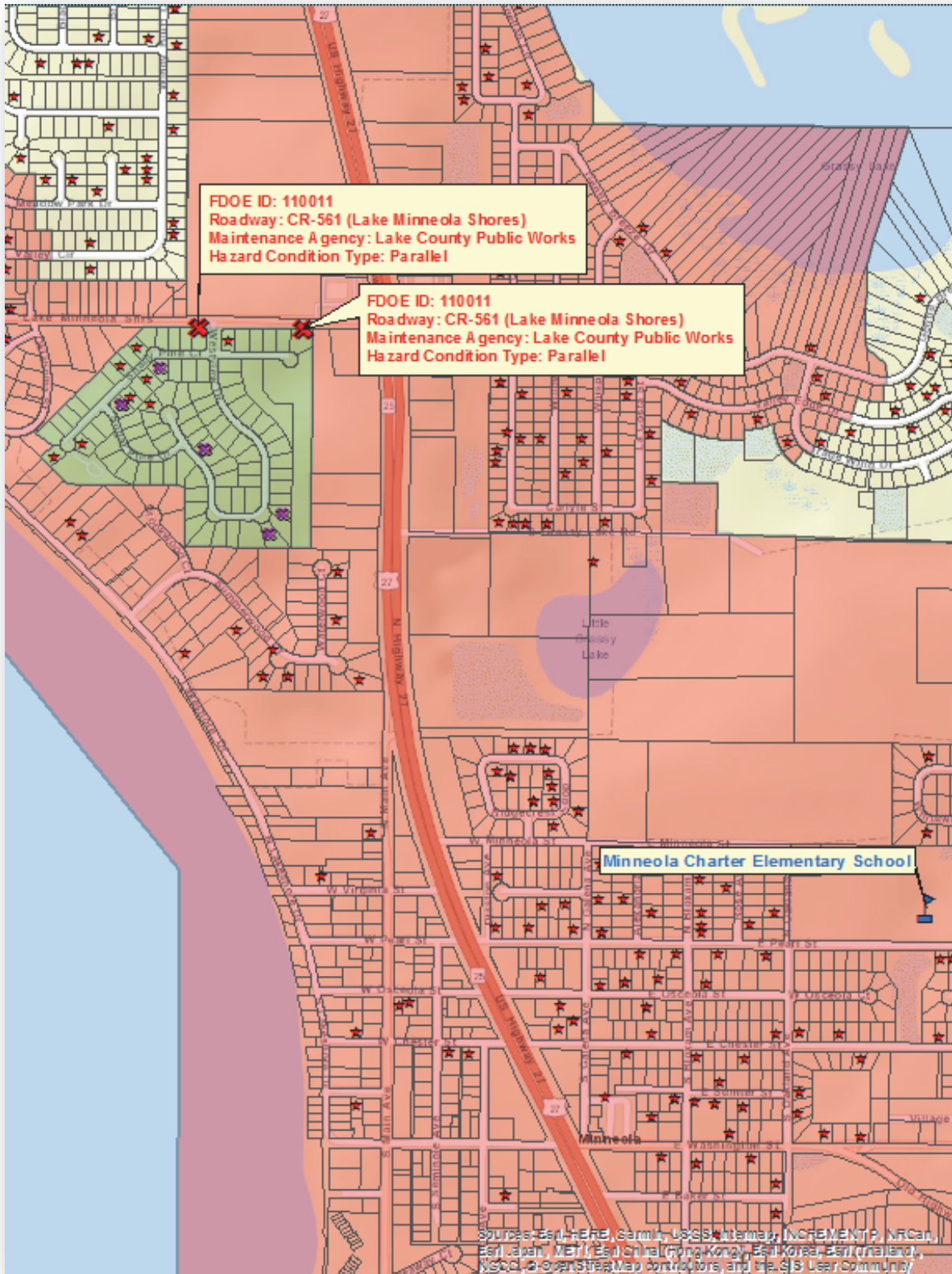


**August 21, 2018**

# FDOT HWC# 110011



# General Overview





# 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? <b>Note:</b> <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? <b>Note:</b> <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 <b>not</b> 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

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: County Road 561 (Lake Minneola Shores) North Minneola

Hazard Location Is:  Parallel to the road Traffic Count: 536 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@lakesumtermmpo.com Phone: 352-315-0170

Assigned FDOE Hazardous Walking Database Location Code: 110011 Date Entered: N/A

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

# Detailed (West) Hazardous View



# Detailed (East) Hazardous View



## Legend

- ⊗ Impacted Students (March 12th, 2018)
- ★ All Elementary Students (March 12th, 2018)
- 🚩 Elementary School
- ⊗ Hazardous Walking Condition Locations
- Tax Parcel Boundaries

### Elementary 2-Mile Walk Zone Status

- FDOE Submitted Hazardous Walking Condition
- Parent Responsibility Zone (PRZ)



**Lake County Pubic Works  
Annual Traffic Count Report for 2017  
Traffic Station: #LC066**

**Hourly Directional Summary**

Hour	Volume		Total
	EB	WB	
0:00	15	28	43
1:00	18	23	41
2:00	18	22	40
3:00	23	8	31
4:00	55	16	71
5:00	119	34	153
6:00	295	114	409
7:00	511	210	721
8:00	433	243	676
9:00	355	202	557
10:00	280	183	463
11:00	300	202	502
12:00	273	252	525
13:00	272	228	500
14:00	301	272	573
15:00	313	353	666
16:00	347	390	737
17:00	331	456	787
18:00	323	370	693
19:00	190	233	423
20:00	159	226	385
21:00	111	174	285
22:00	78	115	193
23:00	32	63	95
<b>Total</b>	<b>5,152</b>	<b>4,417</b>	<b>9,569</b>

**LC066 Summary**

Date of Count	3/23/2017
Total Volume	9,569
EB Volume	5,152
WB Volume	4,417
Bi-direction PH Time	7:30
Bi-direction PH Volume	800
PM PH (3:00 PM - 7:00 PM)	17:00
PM PH Bi-direction Volume	787
EB PM PH Direction Volume	331
WB PM PH Direction Volume	456
Peak Direction	WB
% Change Daily from 2012	Calc in Sheet
"K" Factor	0.0822
"D" Factor (calculated)	0.58

*Notes:*

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

Hour	Volume		Total
	EB	WB	
15	6	5	11
30	4	7	11
45	4	10	14
100	1	6	7
115	6	6	12
130	3	9	12
145	6	5	11
200	3	3	6
215	5	4	9
230	4	5	9
245	6	9	15
300	3	4	7

Hourly Vols at 15 minute increments

	EB Volume	WB Volume
43	0:00	15 28
44	0:15	15 29
45	0:30	14 31
42	0:45	16 26
41	1:00	18 23
38	1:15	17 21
35	1:30	18 17
39	1:45	18 21
40	2:00	18 22
39	2:15	17 22
36	2:30	15 21
25	2:45	13 12

**Lake County Pubic Works  
Annual Traffic Count Report for 2017  
Traffic Station: #LC066**

Hour	Volume		Total	Hourly Vols at 15 minute increments	EB Volume WB Volum		
	EB	WB			EB	WB	
315	4	4	8	31	3:00	23	8
330	2	4	6	35	3:15	29	6
345	4	0	4	51	3:30	43	8
400	13	0	13	64	3:45	54	10
415	10	2	12	71	4:00	55	16
430	16	6	22	84	4:15	62	22
445	15	2	17	102	4:30	80	22
500	14	6	20	125	4:45	97	28
515	17	8	25	153	5:00	119	34
530	34	6	40	185	5:15	138	47
545	32	8	40	231	5:30	166	65
600	36	12	48	296	5:45	209	87
615	36	21	57	409	6:00	295	114
630	62	24	86	496	6:15	363	133
645	75	30	105	566	6:30	413	153
700	122	39	161	642	6:45	473	169
715	104	40	144	721	7:00	511	210
730	112	44	156	782	7:15	540	242
745	135	46	181	800	7:30	536	264
800	160	80	240	787	7:45	503	284
815	133	72	205	676	8:00	433	243
830	108	66	174	611	8:15	397	214
845	102	66	168	589	8:30	395	194
900	90	39	129	559	8:45	367	192
915	97	43	140	557	9:00	355	202
930	106	46	152	525	9:15	316	209
945	74	64	138	495	9:30	294	201
1000	78	49	127	472	9:45	288	184
1015	58	50	108	463	10:00	280	183
1030	84	38	122	473	10:15	290	183
1045	68	47	115	471	10:30	282	189
1100	70	48	118	484	10:45	292	192
1115	68	50	118	502	11:00	300	202
1130	76	44	120	506	11:15	300	206
1145	78	50	128	517	11:30	293	224
1200	78	58	136	513	11:45	279	234
1215	68	54	122	525	12:00	273	252
1230	69	62	131	521	12:15	265	256
1245	64	60	124	533	12:30	275	258
1300	72	76	148	536	12:45	280	256
1315	60	58	118	500	13:00	272	228
1330	79	64	143	509	13:15	287	222
1345	69	58	127	501	13:30	289	212
1400	64	48	112	526	13:45	290	236
1415	75	52	127	573	14:00	301	272

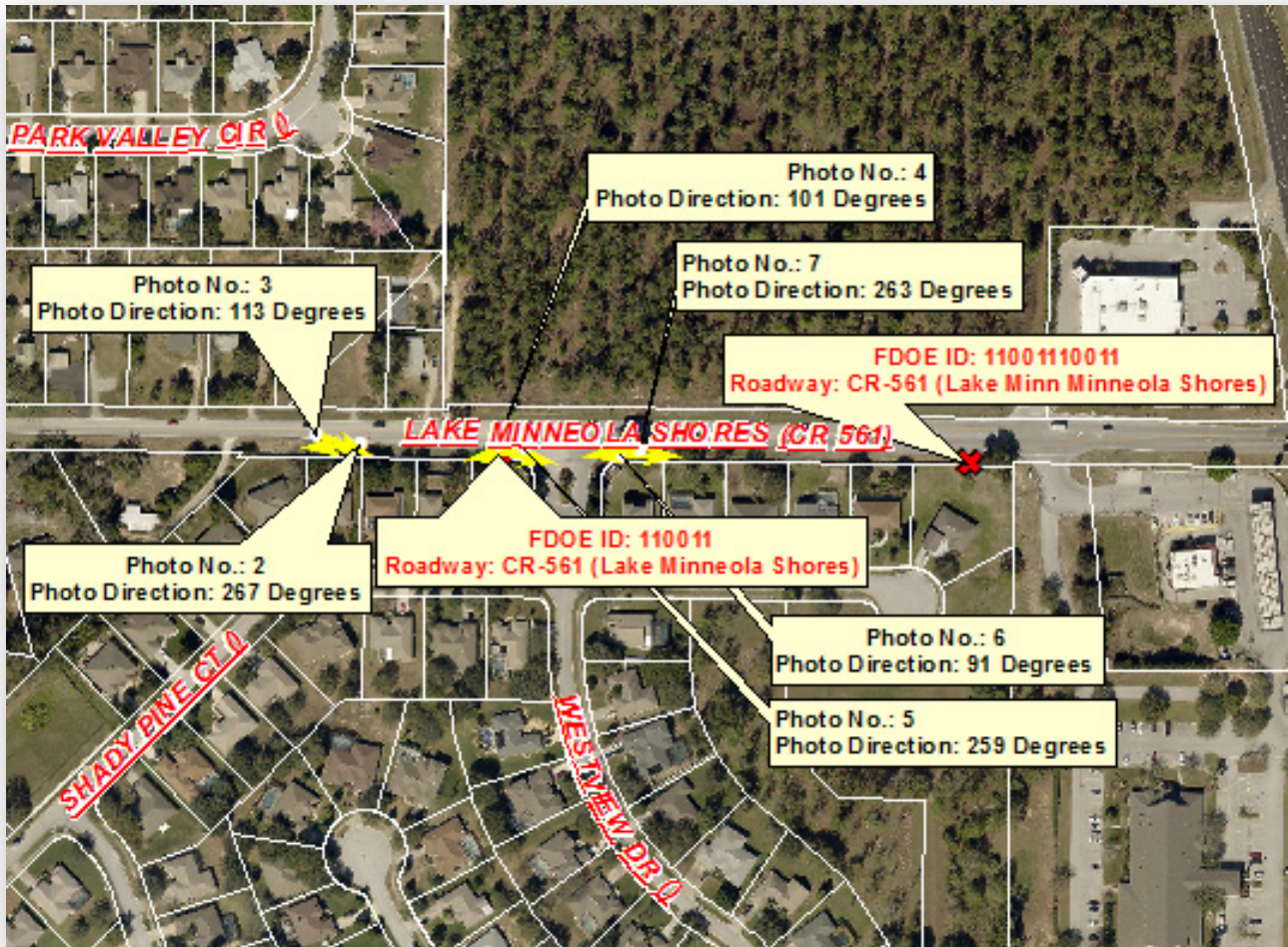
**Lake County Pubic Works  
Annual Traffic Count Report for 2017  
Traffic Station: #LC066**

Hour	Volume EB	Volume WB	Total
1430	81	54	135
1445	70	82	152
1500	75	84	159
1515	82	66	148
1530	87	107	194
1545	64	78	142
1600	80	102	182
1615	84	94	178
1630	100	95	195
1645	83	102	185
1700	80	99	179
1715	92	108	200
1730	87	110	197
1745	72	114	186
1800	80	124	204
1815	85	95	180
1830	89	80	169
1845	87	95	182
1900	62	100	162
1915	62	74	136
1930	36	52	88
1945	46	49	95
2000	46	58	104
2015	63	64	127
2030	38	54	92
2045	28	58	86
2100	30	50	80
2115	30	48	78
2130	22	42	64
2145	29	42	71
2200	30	42	72
2215	24	40	64
2230	16	27	43
2245	20	20	40
2300	18	28	46
2315	10	20	30
2330	11	10	21
2345	5	14	19
2400	6	19	25

Hourly Vols at 15 minute  
increments

Hourly Vols at 15 minute increments	EB Volume	WB Volume	
594	14:15	308	286
653	14:30	314	339
643	14:45	308	335
666	15:00	313	353
696	15:15	315	381
697	15:30	328	369
740	15:45	347	393
737	16:00	347	390
759	16:15	355	404
761	16:30	342	419
762	16:45	331	431
787	17:00	331	456
767	17:15	324	443
739	17:30	326	413
735	17:45	341	394
693	18:00	323	370
649	18:15	300	349
568	18:30	247	321
481	18:45	206	275
423	19:00	190	233
414	19:15	191	223
418	19:30	193	225
409	19:45	175	234
385	20:00	159	226
336	20:15	126	210
308	20:30	110	198
293	20:45	111	182
285	21:00	111	174
271	21:15	105	166
250	21:30	99	151
219	21:45	90	129
193	22:00	78	115
159	22:15	64	95
137	22:30	59	78
116	22:45	44	72
95	23:00	32	63
	23:15	22	43

# FDOE HWC# 110011



**Hazardous Walking Condition ID: 110011**  
**Field Inspection Photos**



Photo No. 2: Date & Time: 2018:07:18 11:07:41 / Photo Direction of View: 267°



Photo No. 3: Date & Time: 2018:07:18 11:08:17 / Photo Direction of View: 113°

**Hazardous Walking Condition ID: 110011**  
**Field Inspection Photos -- Continued**



Photo No. 4: Date & Time: 2018:07:18 11:09:39 / Photo Direction of View: 101°



Photo No. 5: Date & Time: 2018:07:18 11:10:00 / Photo Direction of View: 259°

**Hazardous Walking Condition ID: 110011**  
**Field Inspection Photos -- Continued**



Photo No. 6: Date & Time: 2018:07:18 11:11:13 / Photo Direction of View: 91°



Photo No.7: Date & Time: 2018:07:18 11:11:34 / Photo Direction of View: 263°

# FDOE HWC# 110011





**Hazardous Walking Condition ID: 110011**  
**Field Inspection Photos**



**Photo No. 2:** Photo Direction of View: 235°



**Photo No. 3:** Photo Direction of View: 240°

**Hazardous Walking Condition ID: 110011**  
**Field Inspection Photos -- (Continued)**



**Photo No. 4: Photo Direction of View: 236°**



**Photo No. 5: Photo Direction of View: 242°**

**Hazardous Walking Condition ID: 110011**  
**Field Inspection Photos -- (Continued)**



**Photo No. 6:** Photo Direction of View: 134°



**Photo No. 7:** Photo Direction of View: 165°

**Hazardous Walking Condition ID: 110011**  
**Field Inspection Photos -- (Continued)**



**Photo No. 8:** Photo Direction of View: 132°