

Hazardous Walking Conditions

2018-19 Site Review in Accordance with Section 1006.23 FS

FDOE Station ID: 110035



Prepared for:

Lake County BCC — Public Works Department
Lake-Sumter MPO
Mount Dora Police Department

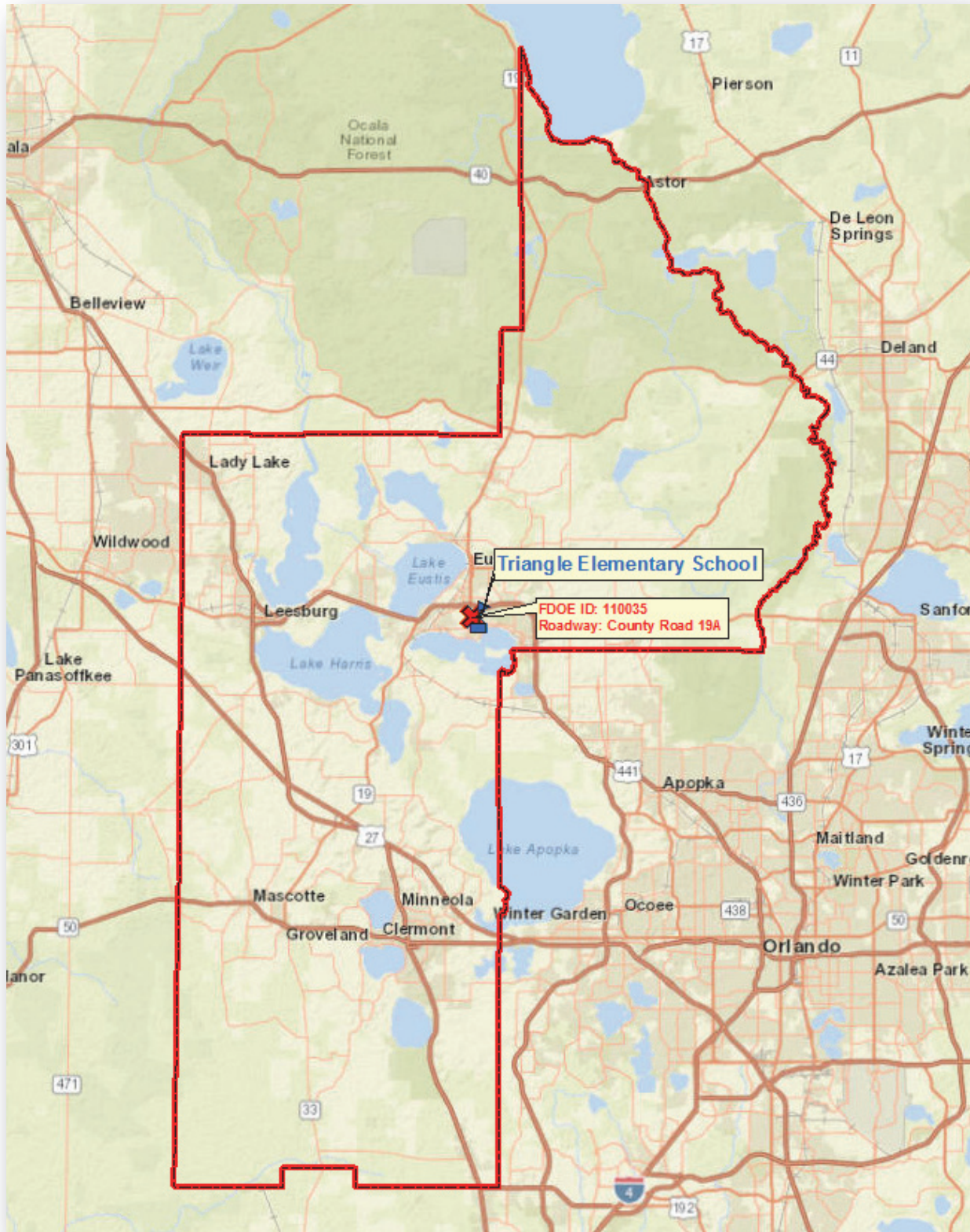
Prepared by:

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

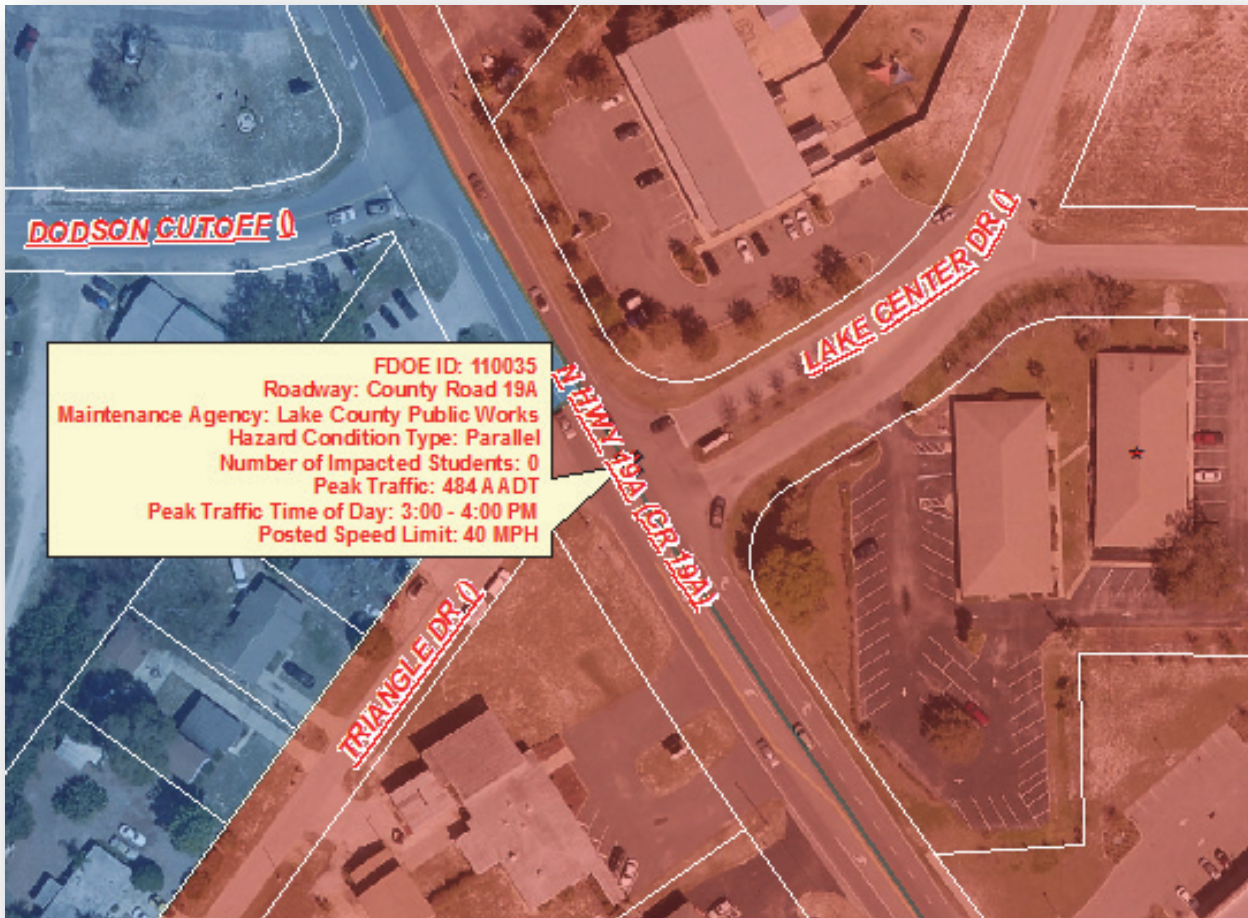


August 21, 2018

FDOT HWC# 110035



Detailed Hazardous View



Legend

<ul style="list-style-type: none"> Impacted Students (March 12th, 2018) All Elementary Students (March 12th, 2018) Elementary School Hazardous Walking Condition Locations Tax Parcel Boundaries 	<p>Elementary 2-Mile Walk Zone Status</p> <ul style="list-style-type: none"> Non-Student Impact FDOE Hazardous Walking Condition LCSB Temporary Ridership Zone (1 to 2 Miles) A Local Hazardous Condition Parent Responsibility Zone (PRZ)
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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>N/A</u> | <u>N/A</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>N/A</u> | <u>N/A</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: 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." |
| <u>N/A</u> | <u>N/A</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>N/A</u> | <u>N/A</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: 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 <u>not</u> a walkway. |
|------------|------------|---|

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):

- | <u>YES</u> | <u>NO</u> | |
|------------|-----------|---|
| <u>X</u> | _____ | 1. Does the traffic volume exceed 360 vehicles per direction, per hour (either direction, including all lanes in each direction)? |
| _____ | <u>X</u> | 2. Does the road have a posted speed limit of 50 MPH or greater? |
| _____ | <u>X</u> | 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:

- | | | |
|------------|------------|---|
| <u>N/A</u> | <u>N/A</u> | 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 19A at intersection of Lake Center Drive & Triangle Drive

Hazard Location Is: Parallel to the road Traffic Count: _____

Crossing over the road Traffic Count: Estimated: 742 VPH (afternoon)

Hazard Jurisdiction: Municipal (Identify: Mount Dora Police) 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@lakecountvfl.gov Phone: 352-253-9052

Law Enforcement Representative: _____

Print Name

Signature

Agency/Entity: Mount Dora Police Department Title: _____

Email: _____ Phone: _____

Metropolitan Planning

Organization Representative: Michael F. Woods

(If applicable)

Print Name

Signature

Agency/Entity: Lake-Sumter MPO Title: Interim Executive Director

Email: mwoods@lakesumtermo.com Phone: 352-315-0170

Assigned FDOE Hazardous Walking Database Location Code: 110035 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: #LC105

Hourly Directional Summary

Hour	Volume		Total
	NB	SB	
0:00	46	30	76
1:00	14	12	26
2:00	22	9	31
3:00	12	9	21
4:00	23	17	40
5:00	79	57	136
6:00	217	215	432
7:00	427	470	897
8:00	511	548	1,059
9:00	479	519	998
10:00	538	600	1,138
11:00	550	607	1,157
12:00	604	665	1,269
13:00	616	599	1,215
14:00	586	608	1,194
15:00	653	610	1,263
16:00	636	647	1,283
17:00	638	731	1,369
18:00	459	472	931
19:00	352	324	676
20:00	222	255	477
21:00	201	199	400
22:00	113	97	210
23:00	62	79	141
Total	8,060	8,379	16,439

LC105 Summary

Date of Count	2/23/2017
Total Volume	16,439
NB Volume	8,060
SB Volume	8,379
Bi-direction PH Time	16:45
Bi-direction PH Volume	1,407
PM PH (3:00 PM - 7:00 PM)	16:45
PM PH Bi-direction Volume	1,407
NB PM PH Direction Volume	696
SB PM PH Direction Volume	711
Peak Direction	SB
% Change Daily from 2012	Calc in Sheet
"K" Factor	0.0856
"D" Factor (calculated)	0.51

Notes:

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

Hour	Volume		Total
	NB	SB	
15	16	9	25
30	12	9	21
45	12	8	20
100	6	4	10
115	6	4	10
130	3	2	5
145	4	5	9
200	1	1	2
215	5	2	7
230	8	2	10
245	5	2	7
300	4	3	7

Hourly Vols at 15 minute increments

	NB Volume	SB Volume
76	0:00	46 30
61	0:15	36 25
45	0:30	27 18
34	0:45	19 15
26	1:00	14 12
23	1:15	13 10
28	1:30	18 10
26	1:45	19 7
31	2:00	22 9
28	2:15	19 9
23	2:30	14 9
24	2:45	13 11

**Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC105**

Hour	Volume		Total	Hourly Vols at 15 minute increments			
	NB	SB		NB Volume	SB Volume		
315	2	2	4	21	3:00	12	9
330	3	2	5	24	3:15	14	10
345	4	4	8	26	3:30	16	10
400	3	1	4	28	3:45	18	10
415	4	3	7	40	4:00	23	17
430	5	2	7	53	4:15	29	24
445	6	4	10	73	4:30	43	30
500	8	8	16	107	4:45	61	46
515	10	10	20	136	5:00	79	57
530	19	8	27	195	5:15	113	82
545	24	20	44	248	5:30	136	112
600	26	19	45	313	5:45	163	150
615	44	35	79	432	6:00	217	215
630	42	38	80	495	6:15	244	251
645	51	58	109	610	6:30	293	317
700	80	84	164	743	6:45	353	390
715	71	71	142	897	7:00	427	470
730	91	104	195	1019	7:15	490	529
745	111	131	242	1076	7:30	523	553
800	154	164	318	1101	7:45	537	564
815	134	130	264	1059	8:00	511	548
830	124	128	252	1028	8:15	493	535
845	125	142	267	1016	8:30	475	541
900	128	148	276	1000	8:45	483	517
915	116	117	233	998	9:00	479	519
930	106	134	240	1023	9:15	483	540
945	133	118	251	1071	9:30	519	552
1000	124	150	274	1116	9:45	522	594
1015	120	138	258	1138	10:00	538	600
1030	142	146	288	1161	10:15	556	605
1045	136	160	296	1150	10:30	550	600
1100	140	156	296	1137	10:45	546	591
1115	138	143	281	1157	11:00	550	607
1130	136	141	277	1220	11:15	592	628
1145	132	151	283	1255	11:30	600	655
1200	144	172	316	1268	11:45	612	656
1215	180	164	344	1269	12:00	604	665
1230	144	168	312	1241	12:15	574	667
1245	144	152	296	1255	12:30	604	651
1300	136	181	317	1254	12:45	615	639
1315	150	166	316	1215	13:00	616	599
1330	174	152	326	1178	13:15	604	574
1345	155	140	295	1144	13:30	566	578
1400	137	141	278	1138	13:45	555	583
1415	138	141	279	1194	14:00	586	608

AVG = 484
616 & 352

616
599

Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC105

Hour	Volume NB	Volume SB	Total
1430	136	156	292
1445	144	145	289
1500	168	166	334
1515	197	170	367
1530	151	156	307
1545	164	146	310
1600	141	138	279
1615	156	162	318
1630	154	178	332
1645	154	138	292
1700	172	169	341
1715	224	186	410
1730	178	178	356
1745	122	178	300
1800	114	189	303
1815	148	137	285
1830	130	118	248
1845	85	116	201
1900	96	101	197
1915	110	98	208
1930	86	82	168
1945	84	79	163
2000	72	65	137
2015	50	57	107
2030	67	69	136
2045	60	69	129
2100	45	60	105
2115	43	42	85
2130	54	48	102
2145	48	58	106
2200	56	51	107
2215	46	34	80
2230	32	26	58
2245	17	19	36
2300	18	18	36
2315	26	25	51
2330	14	20	34
2345	14	18	32
2400	8	16	24

Hourly Vols at 15 minute increments

Hourly Vols at 15 minute increments	NB Volume	SB Volume	
1282	14:15	645	637
1297	14:30	660	637
1318	14:45	680	638
1263	15:00	653	610
1214	15:15	612	602
1239	15:30	615	624
1221	15:45	605	616
1283	16:00	636	647
1375	16:15	704	671
1399	16:30	728	671
1407	16:45	696	711
1369	17:00	638	731
1244	17:15	562	682
1136	17:30	514	622
1037	17:45	477	560
931	18:00	459	472
854	18:15	421	433
774	18:30	377	397
736	18:45	376	360
676	19:00	352	324
575	19:15	292	283
543	19:30	273	270
509	19:45	249	260
477	20:00	222	255
455	20:15	215	240
421	20:30	202	219
398	20:45	190	208
400	21:00	201	199
395	21:15	204	191
351	21:30	182	169
281	21:45	151	130
210	22:00	113	97
181	22:15	93	88
157	22:30	75	82
153	22:45	72	81
141	23:00	62	79
	23:15	36	54

**Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC258**

Hourly Directional Summary

Hour	Volume		Total
	WB	EB	
0:00	18	20	38
1:00	17	11	28
2:00	11	8	19
3:00	4	6	10
4:00	14	11	25
5:00	38	55	93
6:00	80	113	193
7:00	274	244	518
8:00	320	300	620
9:00	297	297	594
10:00	318	328	646
11:00	332	348	680
12:00	353	383	736
13:00	352	348	700
14:00	396	388	784
15:00	387	368	755
16:00	366	392	758
17:00	314	388	702
18:00	250	261	511
19:00	192	150	342
20:00	132	121	253
21:00	95	89	184
22:00	95	61	156
23:00	35	31	66
Total	4,690	4,721	9,411

LC258 Summary

Date of Count	2/28/2017
Total Volume	9,411
WB Volume	4,690
EB Volume	4,721
Bi-direction PH Time	14:30
Bi-direction PH Volume	787
PM PH (3:00 PM - 7:00 PM)	16:30
PM PH Bi-direction Volume	786
WB PM PH Direction Volume	365
EB PM PH Direction Volume	421
Peak Direction	EB
% Change Daily from 2012	Calc in Sheet
"K" Factor	0.0835
"D" Factor (calculated)	0.54

Notes:

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

Hour	Volume		Total
	WB	EB	
15	8	7	15
30	4	3	7
45	3	4	7
100	3	6	9
115	6	4	10
130	4	5	9
145	2	1	3
200	5	1	6
215	6	2	8
230	0	4	4
245	1	2	3
300	4	0	4

Hourly Vols at 15 minute increments

	WB Volum	EB Volume
38	0:00	18 20
33	0:15	16 17
35	0:30	16 19
31	0:45	15 16
28	1:00	17 11
26	1:15	17 9
21	1:30	13 8
21	1:45	12 9
19	2:00	11 8
15	2:15	8 7
14	2:30	8 6
13	2:45	8 5

**Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC258**

Hour	Volume		Total	Hourly Vols at 15 minute increments	WB Volum EB Volume		
	WB	EB			WB	EB	
315	3	1	4	10	3:00	4	6
330	0	3	3	8	3:15	1	7
345	1	1	2	13	3:30	5	8
400	0	1	1	17	3:45	8	9
415	0	2	2	25	4:00	14	11
430	4	4	8	38	4:15	21	17
445	4	2	6	40	4:30	23	17
500	6	3	9	71	4:45	28	43
515	7	8	15	93	5:00	38	55
530	6	4	10	110	5:15	43	67
545	9	28	37	145	5:30	59	86
600	16	15	31	160	5:45	74	86
615	12	20	32	193	6:00	80	113
630	22	23	45	250	6:15	114	136
645	24	28	52	309	6:30	146	163
700	22	42	64	398	6:45	198	200
715	46	43	89	518	7:00	274	244
730	54	50	104	623	7:15	326	297
745	76	65	141	654	7:30	344	310
800	98	86	184	649	7:45	332	317
815	98	96	194	620	8:00	320	300
830	72	63	135	573	8:15	309	264
845	64	72	136	587	8:30	301	286
900	86	69	155	599	8:45	309	290
915	87	60	147	594	9:00	297	297
930	64	85	149	591	9:15	288	303
945	72	76	148	606	9:30	296	310
1000	74	76	150	629	9:45	317	312
1015	78	66	144	646	10:00	318	328
1030	72	92	164	677	10:15	330	347
1045	93	78	171	673	10:30	346	327
1100	75	92	167	665	10:45	329	336
1115	90	85	175	680	11:00	332	348
1130	88	72	160	720	11:15	345	375
1145	76	87	163	732	11:30	339	393
1200	78	104	182	750	11:45	341	409
1215	103	112	215	736	12:00	353	383
1230	82	90	172	707	12:15	342	365
1245	78	103	181	701	12:30	340	361
1300	90	78	168	686	12:45	346	340
1315	92	94	186	700	13:00	352	348
1330	80	86	166	706	13:15	352	354
1345	84	82	166	722	13:30	362	360
1400	96	86	182	744	13:45	378	366
1415	92	100	192	784	14:00	396	388

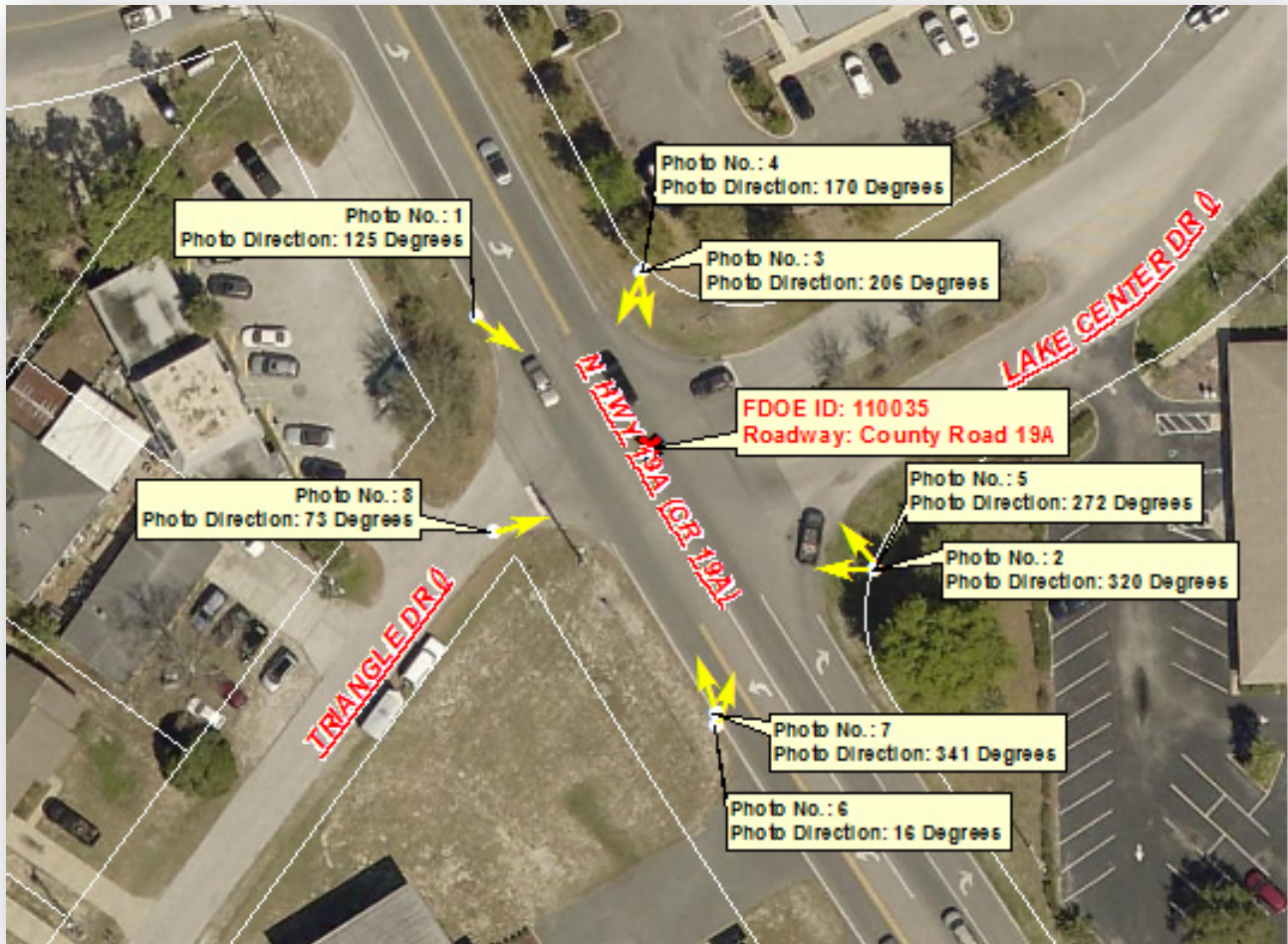
**Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC258**

Hour	Volume WB	Volume EB	Total
1430	90	92	182
1445	100	88	188
1500	114	108	222
1515	108	86	194
1530	83	100	183
1545	96	90	186
1600	100	92	192
1615	87	108	195
1630	92	82	174
1645	98	92	190
1700	89	110	199
1715	88	93	181
1730	90	126	216
1745	76	85	161
1800	60	84	144
1815	68	74	142
1830	62	73	135
1845	54	52	106
1900	66	62	128
1915	54	38	92
1930	46	48	94
1945	47	30	77
2000	45	34	79
2015	42	27	69
2030	27	32	59
2045	31	26	57
2100	32	36	68
2115	24	21	45
2130	29	34	63
2145	26	18	44
2200	16	16	32
2215	32	22	54
2230	36	15	51
2245	14	14	28
2300	13	10	23
2315	10	13	23
2330	7	6	13
2345	10	6	16
2400	8	6	14

Hourly Vols at 15 minute increments

Hourly Vols at 15 minute increments	WB Volum	EB Volume	
786	14:15	412	374
787	14:30	405	382
785	14:45	401	384
755	15:00	387	368
756	15:15	366	390
747	15:30	375	372
751	15:45	377	374
758	16:00	366	392
744	16:15	367	377
786	16:30	365	421
757	16:45	343	414
702	17:00	314	388
663	17:15	294	369
582	17:30	266	316
527	17:45	244	283
511	18:00	250	261
461	18:15	236	225
420	18:30	220	200
391	18:45	213	178
342	19:00	192	150
319	19:15	180	139
284	19:30	161	123
264	19:45	145	119
253	20:00	132	121
229	20:15	114	115
233	20:30	116	117
220	20:45	111	109
184	21:00	95	89
193	21:15	103	90
181	21:30	110	71
165	21:45	98	67
156	22:00	95	61
125	22:15	73	52
87	22:30	44	43
75	22:45	40	35
66	23:00	35	31
	23:15	25	18

FDOE HWC# 110035



Hazardous Walking Condition ID: 110035

Field Inspection Photos



Photo No. 1: Date & Time: 2018:07:18 15:10:01 / Photo Direction of View: 125°



Photo No. 2: Date & Time: 2018:07:18 15:08:43 / Photo Direction of View: 320°

Hazardous Walking Condition ID: 110035
Field Inspection Photos -- Continued



Photo No. 3: Date & Time: 2018:07:18 15:08:06 / Photo Direction of View: 206°



Photo No. 4: Date & Time: 2018:07:18 15:08:09 / Photo Direction of View: 170°

Hazardous Walking Condition ID: 110035
Field Inspection Photos -- Continued



Photo No. 5: Date & Time: 2018:07:18 15:08:47 / Photo Direction of View: 272°



Photo No. 6: Date & Time: 2018:07:18 15:09:13 / Photo Direction of View: 16°

Hazardous Walking Condition ID: 110035
Field Inspection Photos -- Continued

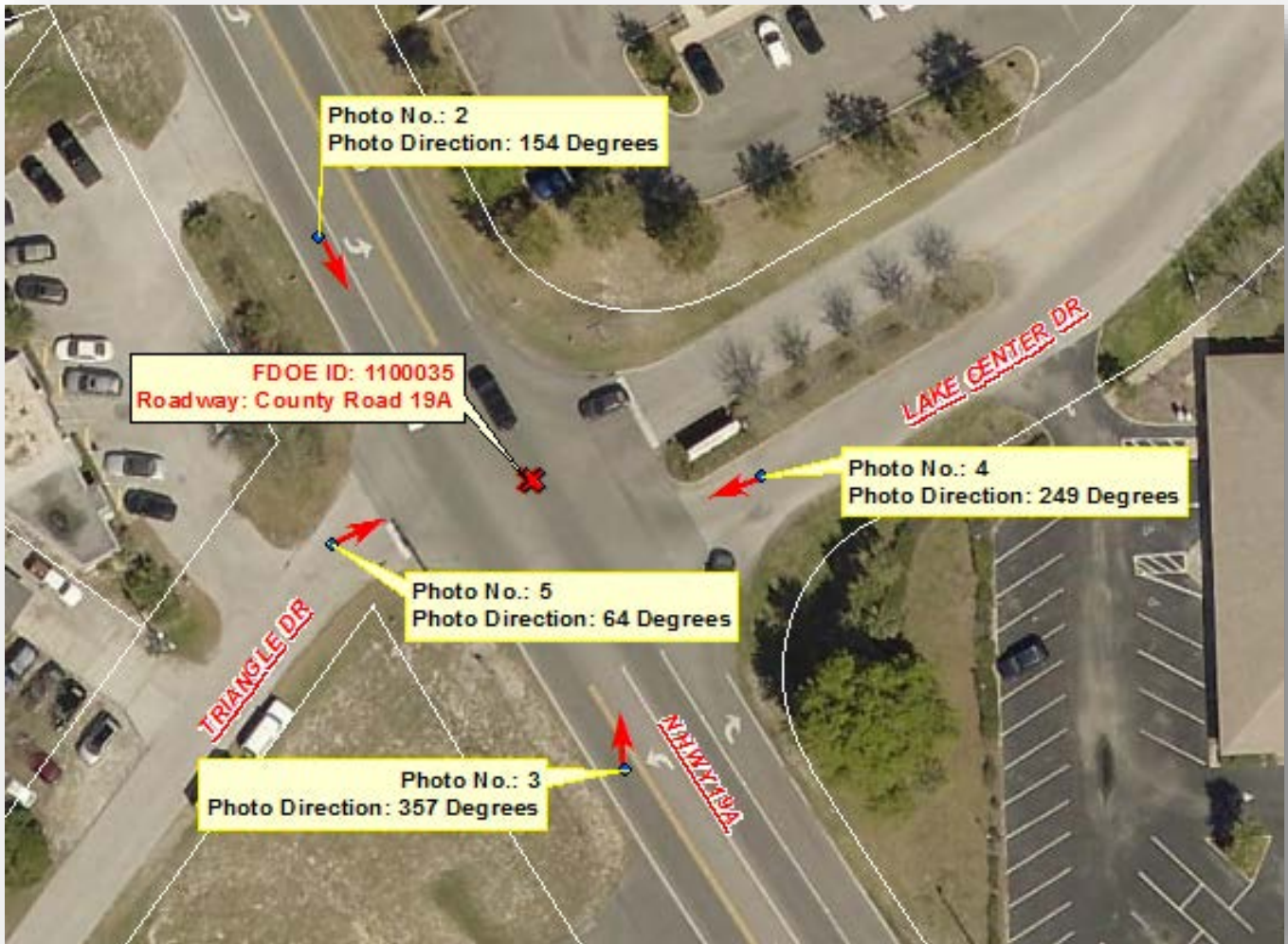


Photo No. 7: Date & Time: 2018:07:18 15:09:17 / Photo Direction of View: 341°



Photo No. 8: Date & Time: 2018:07:18 15:09:43 / Photo Direction of View: 73°

FDOE HWC# 110035



Hazardous Walking Condition ID: 110035
Field Inspection Photos



Photo No. 2: Photo Direction of View: 154°



Photo No. 3: Photo Direction of View: 357°

Hazardous Walking Condition ID: 110035
Field Inspection Photos -- (Continued)



Photo No. 4: Photo Direction of View: 249°



Photo No. 5: Photo Direction of View: 64°