

Hazardous Walking Conditions

2018-19 Site Review in Accordance with Section 1006.23 FS

FDOE Station ID: 110033



Prepared for:

**Lake County BCC — Public Works Department
Lake-Sumter MPO
Clermont Police Department**

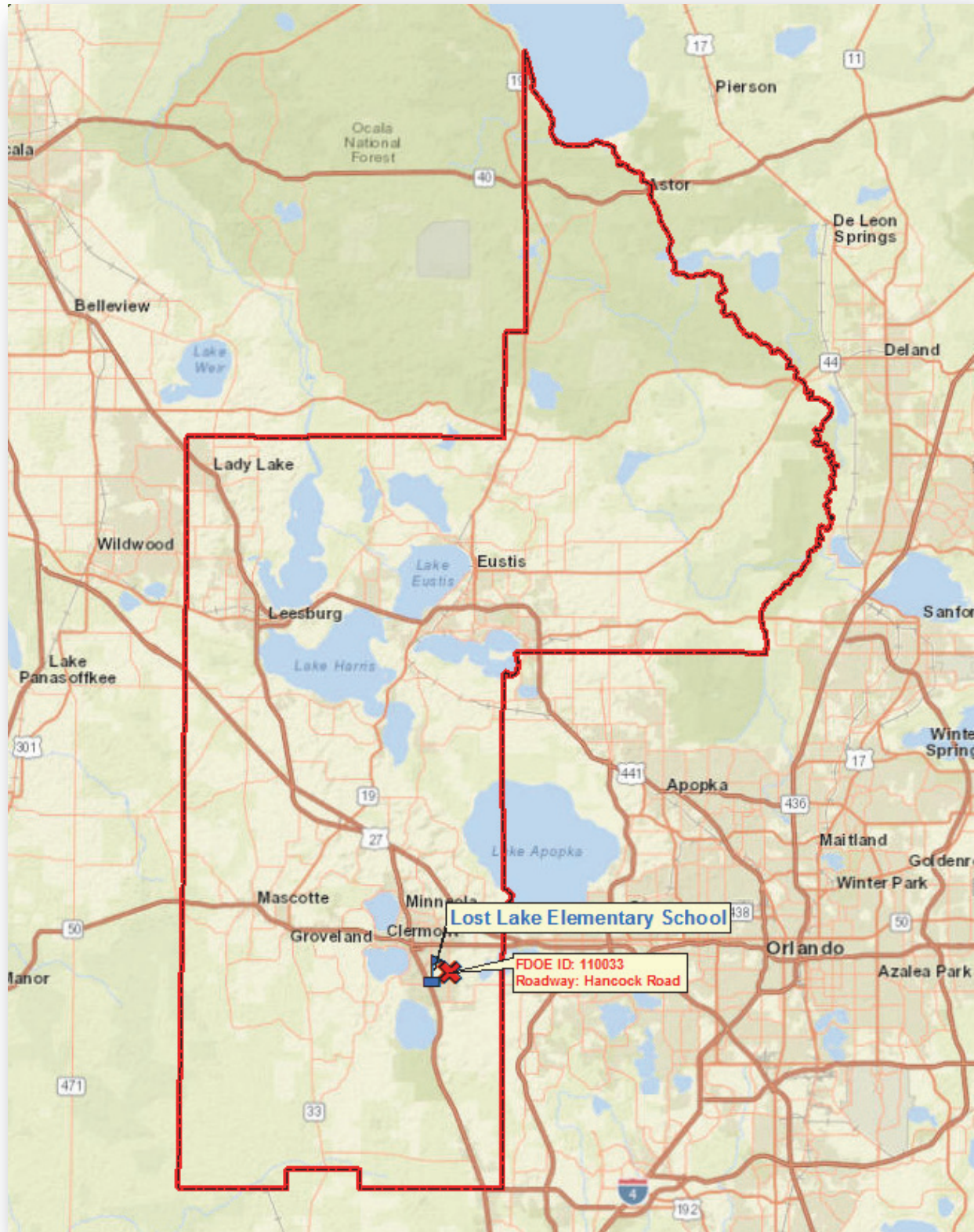
Prepared by:

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

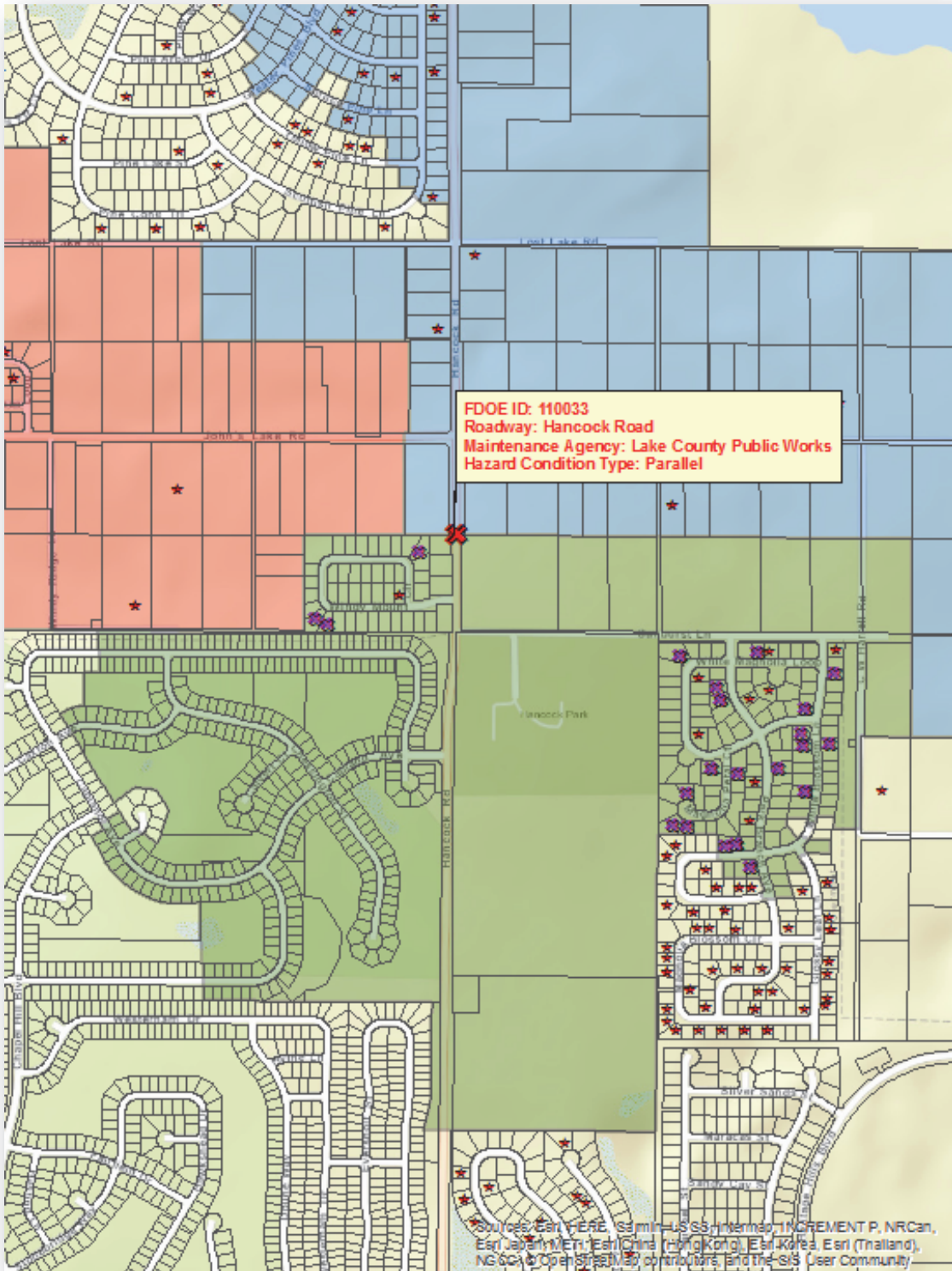


August 21, 2018

FDOT HWC# 110033










General Overview



Detailed Hazardous View



Legend

<ul style="list-style-type: none">  Impacted Students (March 12th, 2018)  All Elementary Students (March 12th, 2018)  Hazardous Walking Condition Locations  Tax Parcel Boundaries 	<p>Elementary 2-Mile Walk Zone Status</p> <ul style="list-style-type: none">  LCSB Temporary Ridership Zone (1 to 2 Miles)  FDOE Submitted Hazardous Walking 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> 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

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: Hancock Road ±429 feet North of Windy Mount Cir. Of Lost Lakes Pines Subdv.

Hazard Location Is: Parallel to the road Traffic Count: 742 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@lakecountvfl.gov Phone: 352-253-9052

Law Enforcement Representative: _____

Print Name

Signature

Agency/Entity: Clermont 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: 110033 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: #LC180

Hourly Directional Summary

Hour	Volume		Total
	SB	NB	
0:00	40	26	66
1:00	16	21	37
2:00	14	12	26
3:00	21	14	35
4:00	38	28	66
5:00	100	76	176
6:00	194	224	418
7:00	368	414	782
8:00	402	521	923
9:00	354	322	676
10:00	282	278	560
11:00	297	279	576
12:00	298	287	585
13:00	303	301	604
14:00	421	337	758
15:00	410	472	882
16:00	489	464	953
17:00	420	539	959
18:00	409	398	807
19:00	315	326	641
20:00	228	194	422
21:00	229	138	367
22:00	93	87	180
23:00	50	74	124
Total	5,791	5,832	11,623

LC180 Summary

Date of Count	3/30/2017
Total Volume	11,623
SB Volume	5,791
NB Volume	5,832
Bi-direction PH Time	15:45
Bi-direction PH Volume	972
PM PH (3:00 PM - 7:00 PM)	15:45
PM PH Bi-direction Volume	972
SB PM PH Direction Volume	485
NB PM PH Direction Volume	487
Peak Direction	NB
% Change Daily from 2012	Calc in Sheet
"K" Factor	0.0836
"D" Factor (calculated)	0.50

Notes:

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

Hour	Volume		Total
	SB	NB	
15	13	11	24
30	12	6	18
45	7	4	11
100	8	5	13
115	4	8	12
130	5	4	9
145	5	6	11
200	2	3	5
215	5	3	8
230	0	1	1
245	1	5	6
300	8	3	11

Hourly Vols at 15 minute increments

	SB Volume	NB Volume	
66	0:00	40	26
54	0:15	31	23
45	0:30	24	21
45	0:45	22	23
37	1:00	16	21
33	1:15	17	16
25	1:30	12	13
20	1:45	8	12
26	2:00	14	12
24	2:15	13	11
39	2:30	19	20
39	2:45	24	15

**Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC180**

Hour	Volume		Total	Hourly Vols at 15 minute increments	SB Volume NB Volume		
	SB	NB			SB	NB	
315	4	2	6	35	3:00	21	14
330	6	10	16	41	3:15	23	18
345	6	0	6	33	3:30	19	14
400	5	2	7	47	3:45	27	20
415	6	6	12	66	4:00	38	28
430	2	6	8	81	4:15	46	35
445	14	6	20	104	4:30	58	46
500	16	10	26	140	4:45	78	62
515	14	13	27	176	5:00	100	76
530	14	17	31	222	5:15	130	92
545	34	22	56	276	5:30	162	114
600	38	24	62	322	5:45	170	152
615	44	29	73	418	6:00	194	224
630	46	39	85	517	6:15	220	297
645	42	60	102	612	6:30	266	346
700	62	96	158	696	6:45	312	384
715	70	102	172	782	7:00	368	414
730	92	88	180	896	7:15	442	454
745	88	98	186	966	7:30	462	504
800	118	126	244	966	7:45	448	518
815	144	142	286	923	8:00	402	521
830	112	138	250	845	8:15	362	483
845	74	112	186	757	8:30	346	411
900	72	129	201	750	8:45	366	384
915	104	104	208	676	9:00	354	322
930	96	66	162	612	9:15	322	290
945	94	85	179	576	9:30	294	282
1000	60	67	127	545	9:45	284	261
1015	72	72	144	560	10:00	282	278
1030	68	58	126	555	10:15	276	279
1045	84	64	148	573	10:30	278	295
1100	58	84	142	570	10:45	277	293
1115	66	73	139	576	11:00	297	279
1130	70	74	144	593	11:15	313	280
1145	83	62	145	595	11:30	321	274
1200	78	70	148	590	11:45	310	280
1215	82	74	156	585	12:00	298	287
1230	78	68	146	580	12:15	289	291
1245	72	68	140	586	12:30	279	307
1300	66	77	143	609	12:45	297	312
1315	73	78	151	604	13:00	303	301
1330	68	84	152	634	13:15	329	305
1345	90	73	163	642	13:30	350	292
1400	72	66	138	698	13:45	377	321
1415	99	82	181	758	14:00	421	337

462

504

AVG = 742

1,022 & 642

**Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC180**

Hour	Volume		Total	Hourly Vols at 15 minute increments	SB Volume NB Volume		
	SB	NB			SB	NB	
1430	89	71	160	779	14:15	432	347
1445	117	102	219	827	14:30	445	382
1500	116	82	198	840	14:45	424	416
1515	110	92	202	882	15:00	410	472
1530	102	106	208	892	15:15	398	494
1545	96	136	232	941	15:30	444	497
1600	102	138	240	972	15:45	485	487
1615	98	114	212	953	16:00	489	464
1630	148	109	257	970	16:15	499	471
1645	137	126	263	965	16:30	471	494
1700	106	115	221	950	16:45	436	514
1715	108	121	229	959	17:00	420	539
1730	120	132	252	950	17:15	418	532
1745	102	146	248	874	17:30	386	488
1800	90	140	230	852	17:45	408	444
1815	106	114	220	807	18:00	409	398
1830	88	88	176	741	18:15	371	370
1845	124	102	226	732	18:30	366	366
1900	91	94	185	684	18:45	336	348
1915	68	86	154	641	19:00	315	326
1930	83	84	167	619	19:15	329	290
1945	94	84	178	544	19:30	294	250
2000	70	72	142	460	19:45	242	218
2015	82	50	132	422	20:00	228	194
2030	48	44	92	382	20:15	201	181
2045	42	52	94	392	20:30	225	167
2100	56	48	104	397	20:45	241	156
2115	55	37	92	367	21:00	229	138
2130	72	30	102	335	21:15	208	127
2145	58	41	99	281	21:30	160	121
2200	44	30	74	228	21:45	128	100
2215	34	26	60	180	22:00	93	87
2230	24	24	48	159	22:15	75	84
2245	26	20	46	144	22:30	66	78
2300	9	17	26	135	22:45	51	84
2315	16	23	39	124	23:00	50	74
2330	15	18	33		23:15	34	51
2345	11	26	37				
2400	8	7	15				

Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC165

Hourly Directional Summary

Hour	Volume		Total
	NB	SB	
0:00	47	60	107
1:00	27	31	58
2:00	20	27	47
3:00	31	28	59
4:00	77	43	120
5:00	212	94	306
6:00	628	218	846
7:00	1,008	465	1,473
8:00	955	570	1,525
9:00	801	447	1,248
10:00	650	454	1,104
11:00	633	528	1,161
12:00	638	580	1,218
13:00	661	614	1,275
14:00	689	680	1,369
15:00	718	724	1,442
16:00	820	859	1,679
17:00	762	962	1,724
18:00	607	869	1,476
19:00	536	652	1,188
20:00	310	471	781
21:00	292	351	643
22:00	139	220	359
23:00	78	142	220
Total	11,339	10,089	21,428

LC165 Summary

Date of Count	3/28/2017
Total Volume	21,428
NB Volume	11,339
SB Volume	10,089
Bi-direction PH Time	17:00
Bi-direction PH Volume	1,724
PM PH (3:00 PM - 7:00 PM)	17:00
PM PH Bi-direction Volume	1,724
NB PM PH Direction Volume	762
SB PM PH Direction Volume	962
Peak Direction	SB
% Change Daily from 2012	Calc in Sheet
"K" Factor	0.0805
"D" Factor (calculated)	0.56

Notes:

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

Hour	Volume		Total
	NB	SB	
15	10	19	29
30	14	17	31
45	12	13	25
100	11	11	22
115	6	10	16
130	11	7	18
145	5	8	13
200	5	6	11
215	3	8	11
230	3	10	13
245	11	4	15
300	3	5	8

Hourly Vols at 15 minute increments

	NB Volume	SB Volume	
107	0:00	47	60
94	0:15	43	51
81	0:30	40	41
69	0:45	33	36
58	1:00	27	31
53	1:15	24	29
48	1:30	16	32
50	1:45	22	28
47	2:00	20	27
53	2:15	27	26
49	2:30	25	24
50	2:45	26	24

**Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC165**

Hour	Volume		Total	Hourly Vols at 15 minute increments	NB Volume SB Volume		
	NB	SB			NB	SB	
315	10	7	17	59	3:00	31	28
330	1	8	9	63	3:15	30	33
345	12	4	16	88	3:30	49	39
400	8	9	17	94	3:45	53	41
415	9	12	21	120	4:00	77	43
430	20	14	34	148	4:15	102	46
445	16	6	22	190	4:30	130	60
500	32	11	43	247	4:45	170	77
515	34	15	49	306	5:00	212	94
530	48	28	76	391	5:15	288	103
545	56	23	79	515	5:30	398	117
600	74	28	102	675	5:45	511	164
615	110	24	134	846	6:00	628	218
630	158	42	200	1026	6:15	754	272
645	169	70	239	1226	6:30	867	359
700	191	82	273	1318	6:45	935	383
715	236	78	314	1473	7:00	1008	465
730	271	129	400	1571	7:15	1025	546
745	237	94	331	1566	7:30	1022	544
800	264	164	428	1607	7:45	1023	584
815	253	159	412	1525	8:00	955	570
830	268	127	395	1482	8:15	939	543
845	238	134	372	1409	8:30	897	512
900	196	150	346	1319	8:45	825	494
915	237	132	369	1248	9:00	801	447
930	226	96	322	1175	9:15	744	431
945	166	116	282	1099	9:30	658	441
1000	172	103	275	1097	9:45	662	435
1015	180	116	296	1104	10:00	650	454
1030	140	106	246	1086	10:15	624	462
1045	170	110	280	1124	10:30	640	484
1100	160	122	282	1139	10:45	631	508
1115	154	124	278	1161	11:00	633	528
1130	156	128	284	1191	11:15	641	550
1145	161	134	295	1225	11:30	653	572
1200	162	142	304	1232	11:45	650	582
1215	162	146	308	1218	12:00	638	580
1230	168	150	318	1202	12:15	622	580
1245	158	144	302	1224	12:30	628	596
1300	150	140	290	1217	12:45	633	584
1315	146	146	292	1275	13:00	661	614
1330	174	166	340	1299	13:15	673	626
1345	163	132	295	1295	13:30	663	632
1400	178	170	348	1363	13:45	693	670
1415	158	158	316	1369	14:00	689	680

Lake County Pubic Works
Annual Traffic Count Report for 2017
Traffic Station: #LC165

Hour	Volume		Total	Hourly Vols at 15 minute increments	NB Volume SB Volume		
	NB	SB			NB	SB	
1430	164	172	336	1370	14:15	694	676
1445	193	170	363	1418	14:30	720	698
1500	174	180	354	1417	14:45	715	702
1515	163	154	317	1442	15:00	718	724
1530	190	194	384	1525	15:15	727	798
1545	188	174	362	1556	15:30	754	802
1600	177	202	379	1638	15:45	785	853
1615	172	228	400	1679	16:00	820	859
1630	217	198	415	1715	16:15	828	887
1645	219	225	444	1690	16:30	773	917
1700	212	208	420	1675	16:45	764	911
1715	180	256	436	1724	17:00	762	962
1730	162	228	390	1711	17:15	742	969
1745	210	219	429	1667	17:30	736	931
1800	210	259	469	1608	17:45	676	932
1815	160	263	423	1476	18:00	607	869
1830	156	190	346	1352	18:15	565	787
1845	150	220	370	1284	18:30	523	761
1900	141	196	337	1239	18:45	551	688
1915	118	181	299	1188	19:00	536	652
1930	114	164	278	1127	19:15	534	593
1945	178	147	325	1070	19:30	497	573
2000	126	160	286	914	19:45	373	541
2015	116	122	238	781	20:00	310	471
2030	77	144	221	731	20:15	286	445
2045	54	115	169	687	20:30	299	388
2100	63	90	153	656	20:45	303	353
2115	92	96	188	643	21:00	292	351
2130	90	87	177	564	21:15	237	327
2145	58	80	138	490	21:30	186	304
2200	52	88	140	426	21:45	162	264
2215	37	72	109	359	22:00	139	220
2230	39	64	103	315	22:15	122	193
2245	34	40	74	273	22:30	104	169
2300	29	44	73	250	22:45	90	160
2315	20	45	65	220	23:00	78	142
2330	21	40	61		23:15	58	97
2345	20	31	51				
2400	17	26	43				

FDOE HWC# 110033



Hazardous Walking Condition ID: 110033

Field Inspection Photos



Photo No. 1: Date & Time: 2018:07:18 10:46:38 / Photo Direction of View: 164°



Photo No. 3: Date & Time: 2018:07:18 10:47:13 / Photo Direction of View: 4°

FDOE HWC# 110033



Hazardous Walking Condition ID: 110033
Field Inspection Photos



Photo No. 2: Photo Direction of View: 217°



Photo No. 3: Photo Direction of View: 334°