

# Hazardous Walking Conditions

2018-19 Site Review in Accordance with Section 1006.23 FS

**FDOE Station ID: 110009**



**Prepared for:**

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

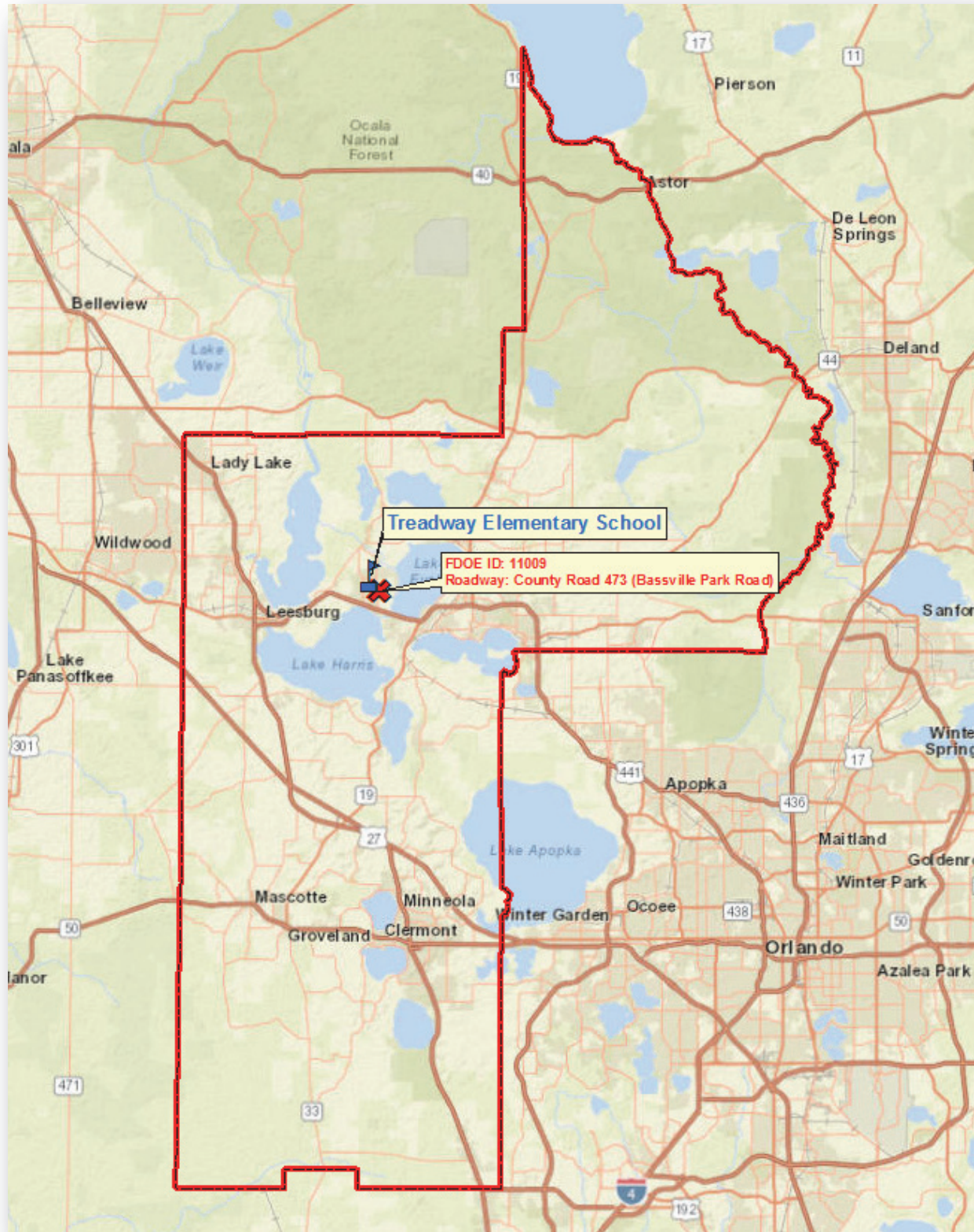
**Prepared by:**

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

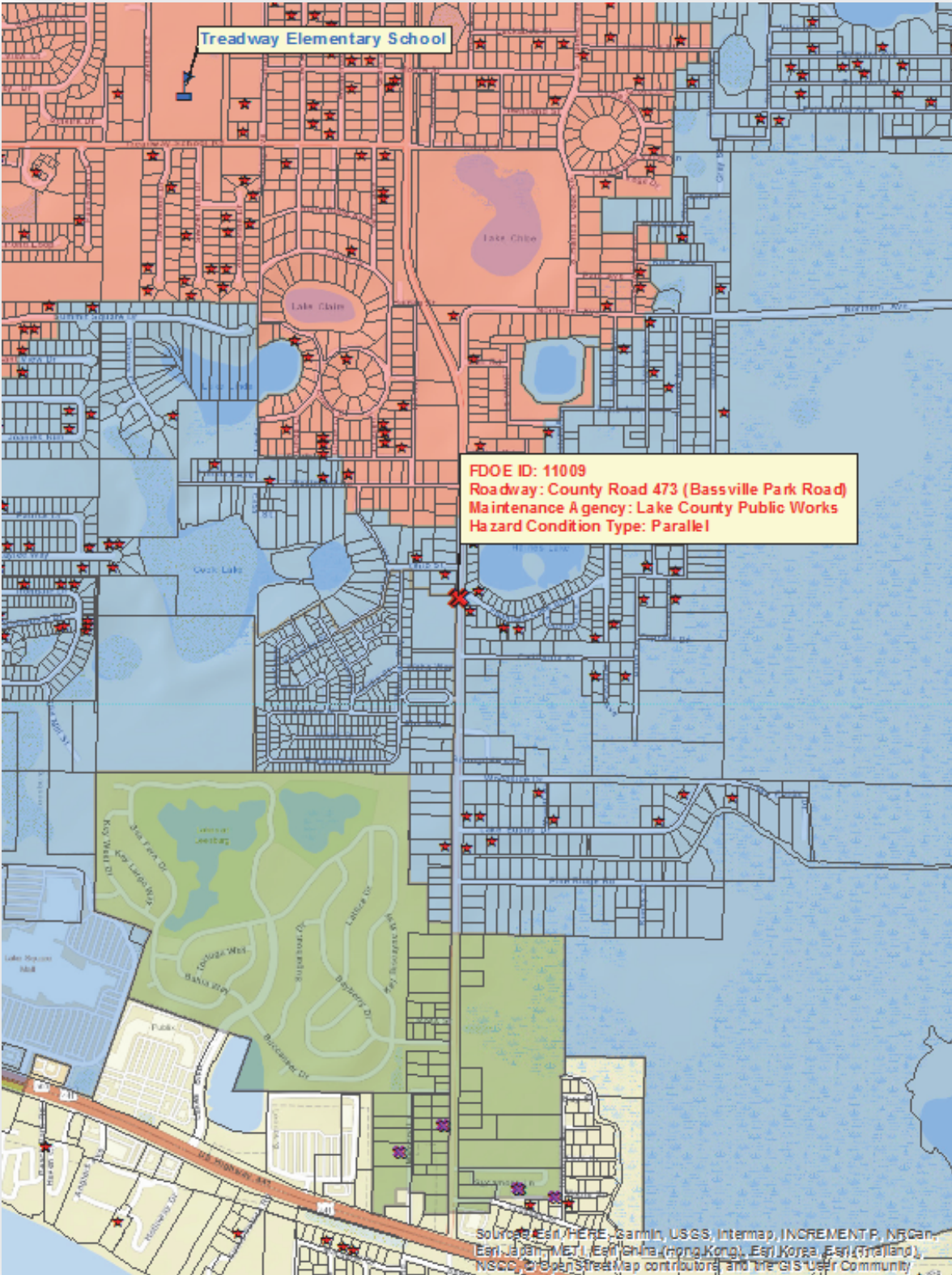


**August 21, 2018**

# FDOT HWC# 110009



# General Overview



# Detailed Hazardous View



**Legend**

<ul style="list-style-type: none"> <li> Impacted Students (March 12th, 2018)</li> <li> All Elementary Students (March 12th, 2018)</li> <li> Elementary School</li> <li> Hazardous Walking Condition Locations</li> <li> Tax Parcel Boundaries</li> </ul>	<p><b>Elementary 2-Mile Walk Zone Status</b></p> <ul style="list-style-type: none"> <li> LC SB Temporary Ridership Zone (1 to 2 Miles)</li> <li> A Local Hazardous Condition</li> <li> FDOE Submitted Hazardous Walking Condition</li> <li> Parent Responsibility Zone (PRZ)</li> </ul>
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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? <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 473 (Bassville Park Road)

Hazard Location Is:  Parallel to the road Traffic Count: 454 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: 110009 Date Entered: 10/08/2015

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: #LC173**

**Hourly Directional Summary**

Hour	Volume		Total
	SB	NB	
0:00	17	20	37
1:00	13	16	29
2:00	10	8	18
3:00	10	14	24
4:00	19	23	42
5:00	74	58	132
6:00	171	134	305
7:00	264	174	438
8:00	255	193	448
9:00	237	170	407
10:00	250	221	471
11:00	216	206	422
12:00	189	231	420
13:00	224	262	486
14:00	201	249	450
15:00	261	282	543
16:00	276	363	639
17:00	287	369	656
18:00	236	275	511
19:00	164	185	349
20:00	93	163	256
21:00	78	106	184
22:00	52	83	135
23:00	36	42	78
<b>Total</b>	<b>3,633</b>	<b>3,847</b>	<b>7,480</b>

**LC173 Summary**

Date of Count	3/7/2017
Total Volume	7,480
SB Volume	3,633
NB Volume	3,847
Bi-direction PH Time	16:45
Bi-direction PH Volume	686
PM PH (3:00 PM - 7:00 PM)	16:45
PM PH Bi-direction Volume	686
SB PM PH Direction Volume	284
NB PM PH Direction Volume	402
Peak Direction	NB
% Change Daily from 2012	Calc in Sheet
"K" Factor	0.0917
"D" Factor (calculated)	0.59

*Notes:*

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

Hour	Volume		Total
	SB	NB	
15	5	5	10
30	2	7	9
45	5	5	10
100	5	3	8
115	8	3	11
130	1	3	4
145	2	8	10
200	2	2	4
215	4	1	5
230	4	4	8
245	1	3	4
300	1	0	1

Hourly Vols at 15 minute increments

	SB Volume	NB Volume	
37	0:00	17	20
38	0:15	20	18
33	0:30	19	14
33	0:45	16	17
29	1:00	13	16
23	1:15	9	14
27	1:30	12	15
21	1:45	11	10
18	2:00	10	8
15	2:15	7	8
8	2:30	3	5
12	2:45	6	6



**Lake County Pubic Works**  
**Annual Traffic Count Report for 2017**  
**Traffic Station: #LC173**

Hour	Volume		Total	Hourly Vols at 15 minute increments	SB Volume NB Volume		
	SB	NB			SB	NB	
315	1	1	2	24	3:00	10	14
330	0	1	1	24	3:15	10	14
345	4	4	8	32	3:30	14	18
400	5	8	13	35	3:45	15	20
415	1	1	2	42	4:00	19	23
430	4	5	9	59	4:15	29	30
445	5	6	11	74	4:30	43	31
500	9	11	20	111	4:45	60	51
515	11	8	19	132	5:00	74	58
530	18	6	24	170	5:15	93	77
545	22	26	48	201	5:30	101	100
600	23	18	41	239	5:45	117	122
615	30	27	57	305	6:00	171	134
630	26	29	55	353	6:15	210	143
645	38	48	86	414	6:30	242	172
700	77	30	107	434	6:45	264	170
715	69	36	105	438	7:00	264	174
730	58	58	116	440	7:15	261	179
745	60	46	106	435	7:30	265	170
800	77	34	111	430	7:45	256	174
815	66	41	107	448	8:00	255	193
830	62	49	111	439	8:15	249	190
845	51	50	101	438	8:30	247	191
900	76	53	129	439	8:45	254	185
915	60	38	98	407	9:00	237	170
930	60	50	110	455	9:15	253	202
945	58	44	102	459	9:30	255	204
1000	59	38	97	458	9:45	251	207
1015	76	70	146	471	10:00	250	221
1030	62	52	114	436	10:15	231	205
1045	54	47	101	420	10:30	210	210
1100	58	52	110	415	10:45	213	202
1115	57	54	111	422	11:00	216	206
1130	41	57	98	397	11:15	203	194
1145	57	39	96	424	11:30	219	205
1200	61	56	117	430	11:45	206	224
1215	44	42	86	420	12:00	189	231
1230	57	68	125	454	12:15	193	261
1245	44	58	102	467	12:30	200	267
1300	44	63	107	472	12:45	204	268
1315	48	72	120	486	13:00	224	262
1330	64	74	138	456	13:15	218	238
1345	48	59	107	434	13:30	200	234
1400	64	57	121	439	13:45	208	231
1415	42	48	90	450	14:00	201	249

316

220

AVG=454

688 & 220

224

262

**Lake County Pubic Works  
Annual Traffic Count Report for 2017  
Traffic Station: #LC173**

Hour	Volume		Total	Hourly Vols at 15 minute increments	SB Volume NB Volume		
	SB	NB			SB Volume	NB Volume	
1430	46	70	116	486	14:15	219	267
1445	56	56	112	516	14:30	243	273
1500	57	75	132	549	14:45	256	293
1515	60	66	126	543	15:00	261	282
1530	70	76	146	558	15:15	263	295
1545	69	76	145	574	15:30	269	305
1600	62	64	126	577	15:45	268	309
1615	62	79	141	639	16:00	276	363
1630	76	86	162	654	16:15	280	374
1645	68	80	148	657	16:30	268	389
1700	70	118	188	686	16:45	284	402
1715	66	90	156	656	17:00	287	369
1730	64	101	165	652	17:15	293	359
1745	84	93	177	607	17:30	285	322
1800	73	85	158	543	17:45	251	292
1815	72	80	152	511	18:00	236	275
1830	56	64	120	468	18:15	219	249
1845	50	63	113	422	18:30	199	223
1900	58	68	126	389	18:45	182	207
1915	55	54	109	349	19:00	164	185
1930	36	38	74	292	19:15	127	165
1945	33	47	80	278	19:30	114	164
2000	40	46	86	274	19:45	109	165
2015	18	34	52	256	20:00	93	163
2030	23	37	60	261	20:15	97	164
2045	28	48	76	247	20:30	92	155
2100	24	44	68	215	20:45	81	134
2115	22	35	57	184	21:00	78	106
2130	18	28	46	176	21:15	75	101
2145	17	27	44	172	21:30	71	101
2200	21	16	37	156	21:45	66	90
2215	19	30	49	135	22:00	52	83
2230	14	28	42	111	22:15	46	65
2245	12	16	28	90	22:30	43	47
2300	7	9	16	76	22:45	37	39
2315	13	12	25	78	23:00	36	42
2330	11	10	21		23:15	288	200
2345	6	8	14				
2400	6	12	18				
3190	265	170					

**Lake County Pubic Works**  
**Annual Traffic Count Report for 2017**  
**Traffic Station: #LC032**

**Hourly Directional Summary**

Hour	Volume		Total
	NB	SB	
0:00	46	25	71
1:00	25	17	42
2:00	20	9	29
3:00	17	28	45
4:00	23	65	88
5:00	50	177	227
6:00	107	386	493
7:00	268	680	948
8:00	342	702	1,044
9:00	427	570	997
10:00	503	654	1,157
11:00	482	563	1,045
12:00	589	543	1,132
13:00	548	525	1,073
14:00	588	527	1,115
15:00	707	543	1,250
16:00	775	512	1,287
17:00	848	523	1,371
18:00	635	408	1,043
19:00	486	291	777
20:00	361	213	574
21:00	227	106	333
22:00	138	77	215
23:00	101	46	147
<b>Total</b>	<b>8,313</b>	<b>8,190</b>	<b>16,503</b>

**LC032 Summary**

Date of Count	3/7/2017
Total Volume	16,503
NB Volume	8,313
SB Volume	8,190
Bi-direction PH Time	16:45
Bi-direction PH Volume	1,383
PM PH (3:00 PM - 7:00 PM)	16:45
PM PH Bi-direction Volume	1,383
NB PM PH Direction Volume	863
SB PM PH Direction Volume	520
Peak Direction	NB
% Change Daily from 2012	Calc in Sheet
"K" Factor	0.0838
"D" Factor (calculated)	0.62

*Notes:*

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

Hour	Volume		Total
	NB	SB	
15	14	9	23
30	16	10	26
45	8	5	13
100	8	1	9
115	8	8	16
130	8	3	11
145	4	2	6
200	5	4	9
215	6	1	7
230	14	2	16
245	0	4	4
300	0	2	2

Hourly Vols at 15 minute increments

	NB Volume	SB Volume	
71	0:00	46	25
64	0:15	40	24
49	0:30	32	17
42	0:45	28	14
42	1:00	25	17
33	1:15	23	10
38	1:30	29	9
36	1:45	25	11
29	2:00	20	9
30	2:15	17	13
22	2:30	6	16
36	2:45	12	24

**Lake County Pubic Works  
Annual Traffic Count Report for 2017  
Traffic Station: #LC032**

Hour	Volume		Total	Hourly Vols at 15 minute increments			
	NB	SB		NB Volume	SB Volume		
315	3	5	8	45	3:00	17	28
330	3	5	8	52	3:15	19	33
345	6	12	18	58	3:30	20	38
400	5	6	11	63	3:45	20	43
415	5	10	15	88	4:00	23	65
430	4	10	14	114	4:15	28	86
445	6	17	23	154	4:30	38	116
500	8	28	36	197	4:45	44	153
515	10	31	41	227	5:00	50	177
530	14	40	54	267	5:15	58	209
545	12	54	66	313	5:30	64	249
600	14	52	66	376	5:45	82	294
615	18	63	81	493	6:00	107	386
630	20	80	100	635	6:15	152	483
645	30	99	129	776	6:30	205	571
700	39	144	183	863	6:45	233	630
715	63	160	223	948	7:00	268	680
730	73	168	241	958	7:15	278	680
745	58	158	216	983	7:30	295	688
800	74	194	268	1019	7:45	319	700
815	73	160	233	1044	8:00	342	702
830	90	176	266	1028	8:15	347	681
845	82	170	252	1018	8:30	368	650
900	97	196	293	1028	8:45	406	622
915	78	139	217	997	9:00	427	570
930	111	145	256	1067	9:15	489	578
945	120	142	262	1098	9:30	488	610
1000	118	144	262	1133	9:45	499	634
1015	140	147	287	1157	10:00	503	654
1030	110	177	287	1124	10:15	477	647
1045	131	166	297	1091	10:30	495	596
1100	122	164	286	1053	10:45	482	571
1115	114	140	254	1045	11:00	482	563
1130	128	126	254	1060	11:15	498	562
1145	118	141	259	1068	11:30	510	558
1200	122	156	278	1099	11:45	544	555
1215	130	139	269	1132	12:00	589	543
1230	140	122	262	1141	12:15	605	536
1245	152	138	290	1154	12:30	595	559
1300	167	144	311	1096	12:45	569	527
1315	146	132	278	1073	13:00	548	525
1330	130	145	275	1037	13:15	534	503
1345	126	106	232	1034	13:30	526	508
1400	146	142	288	1093	13:45	552	541
1415	132	110	242	1115	14:00	588	527

295

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525

**Lake County Pubic Works**  
**Annual Traffic Count Report for 2017**  
**Traffic Station: #LC032**

Hour	Volume NB	Volume SB	Total
1430	122	150	272
1445	152	139	291
1500	182	128	310
1515	164	132	296
1530	191	134	325
1545	182	156	338
1600	170	121	291
1615	198	126	324
1630	176	135	311
1645	198	117	315
1700	203	134	337
1715	206	136	342
1730	238	117	355
1745	216	133	349
1800	188	137	325
1815	154	119	273
1830	163	94	257
1845	158	111	269
1900	160	84	244
1915	129	91	220
1930	136	68	204
1945	125	72	197
2000	96	60	156
2015	93	53	146
2030	118	38	156
2045	92	62	154
2100	58	60	118
2115	86	40	126
2130	57	20	77
2145	38	16	54
2200	46	30	76
2215	50	14	64
2230	38	22	60
2245	26	12	38
2300	24	29	53
2315	29	14	43
2330	28	10	38
2345	18	12	30
2400	26	10	36

Hourly Vols at 15 minute increments

Hourly Vols at 15 minute increments	NB Volume	SB Volume
1169	14:15	620 549
1222	14:30	689 533
1269	14:45	719 550
1250	15:00	707 543
1278	15:15	741 537
1264	15:30	726 538
1241	15:45	742 499
1287	16:00	775 512
1305	16:15	783 522
1349	16:30	845 504
1383	16:45	863 520
1371	17:00	848 523
1302	17:15	796 506
1204	17:30	721 483
1124	17:45	663 461
1043	18:00	635 408
990	18:15	610 380
937	18:30	583 354
865	18:45	550 315
777	19:00	486 291
703	19:15	450 253
655	19:30	432 223
612	19:45	399 213
574	20:00	361 213
554	20:15	354 200
475	20:30	293 182
375	20:45	239 136
333	21:00	227 106
271	21:15	191 80
254	21:30	172 82
238	21:45	160 78
215	22:00	138 77
194	22:15	117 77
172	22:30	107 65
164	22:45	99 65
147	23:00	101 46
	23:15	72 32

# FDOE HWC# 110009



**Hazardous Walking Condition ID: 110009**

**Field Inspection Photos**



**Photo No. 1:** Date & Time: 2018:07:19 09:58:46 / Photo Direction of View: 175°



**Photo No. 2:** Date & Time: 2018:07:19 09:59:33 / Photo Direction of View: 181°

**Hazardous Walking Condition ID: 110009**  
**Field Inspection Photos -- Continued**



Photo No. 3: Date & Time: 2018:07:19 10:06:43 / Photo Direction of View: 8°



# FDOE HWC# 110009



**Hazardous Walking Condition ID: 110009**  
**Field Inspection Photos**



**Photo No. 2:** Photo Direction of View: 335°



**Photo No. 3:** Photo Direction of View: 358°

**Hazardous Walking Condition ID: 110009**  
**Field Inspection Photos -- Continued**



**Photo No. 4:** Photo Direction of View: 218°



**Photo No. 5:** Photo Direction of View: 211°