

# Hazardous Walking Conditions

2018-19 Site Review in Accordance with Section 1006.23 FS

**FDOE Station ID: 110029**



Prepared for:

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

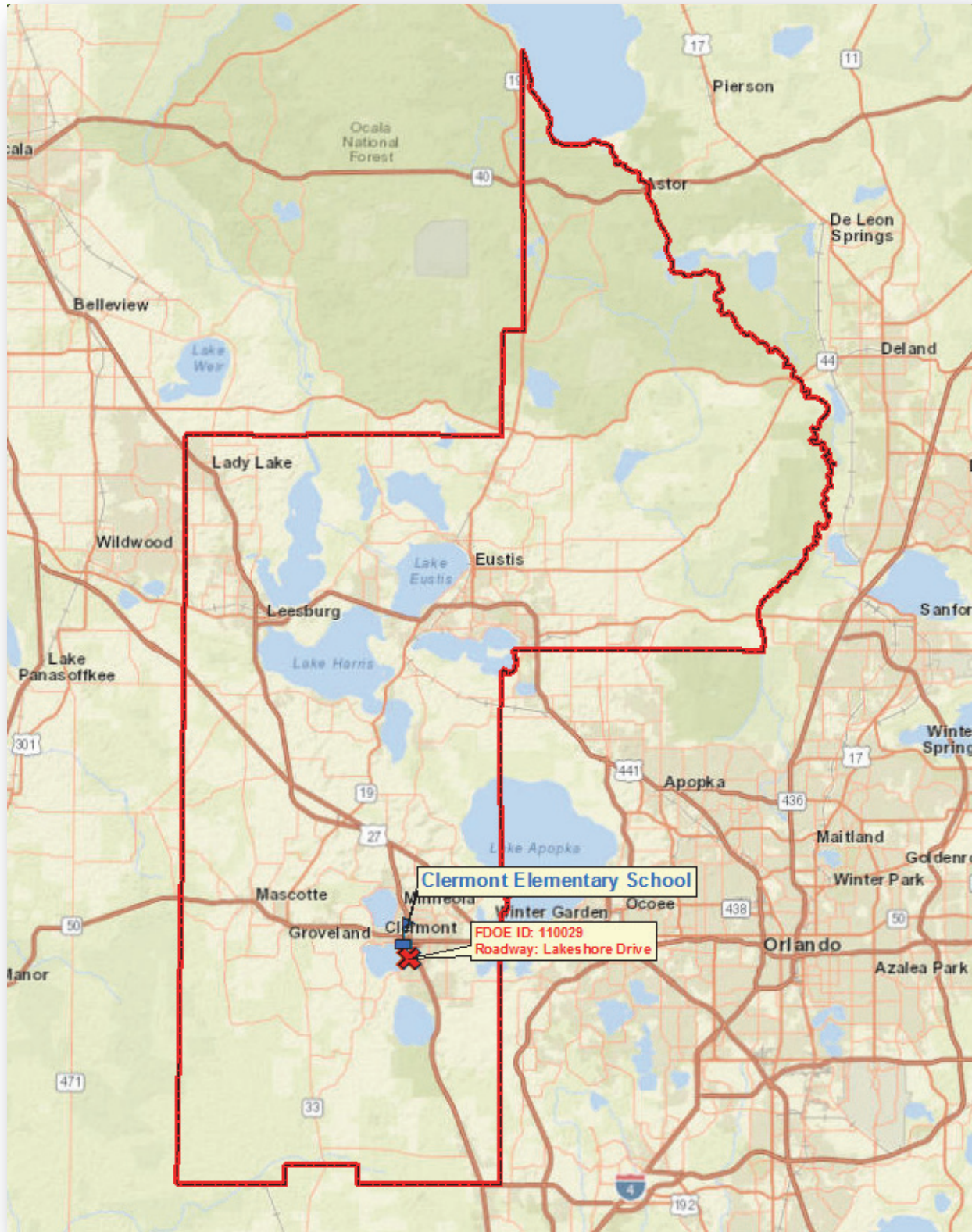
Prepared by:

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

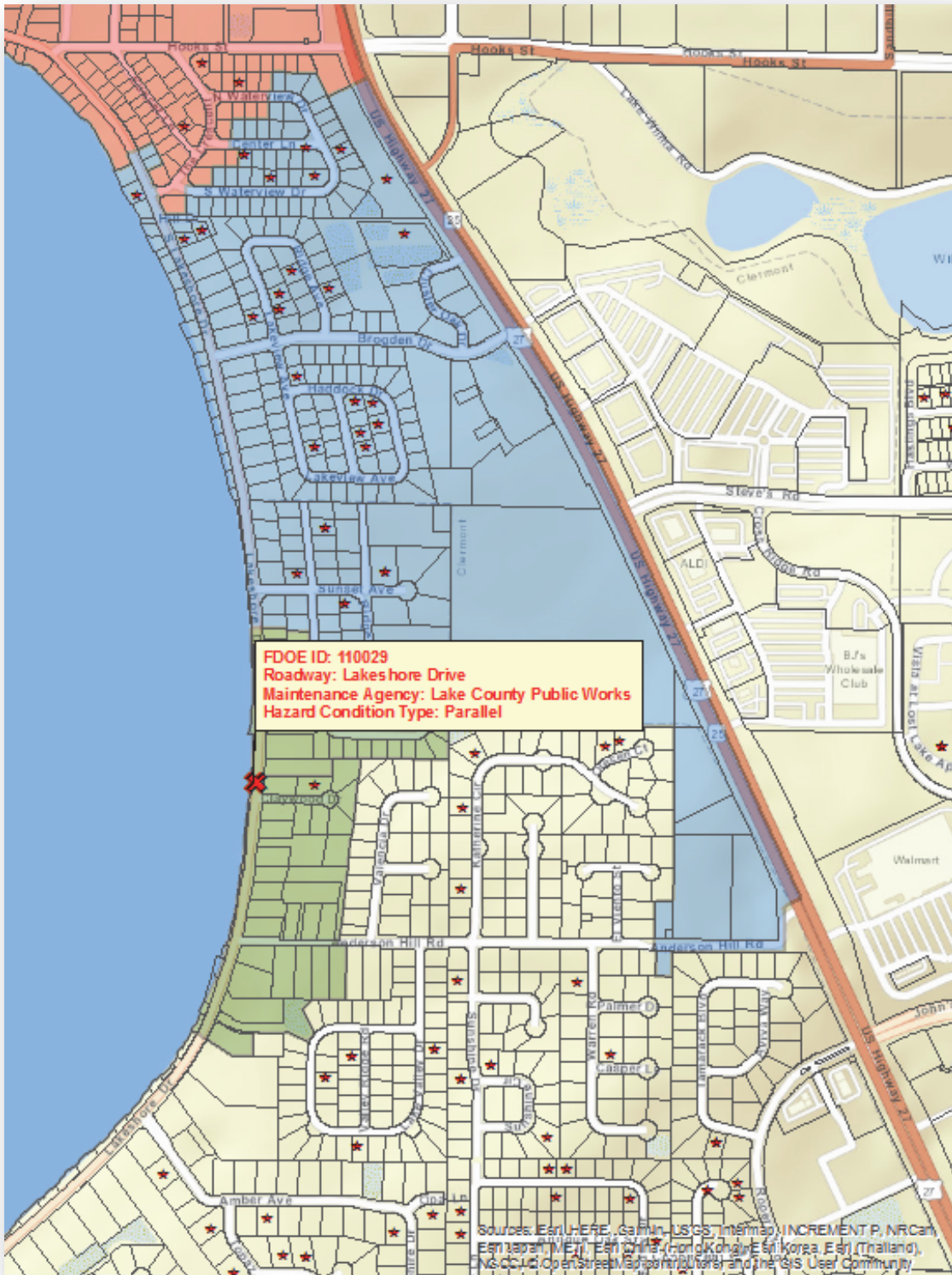


**August 21, 2018**

# FDOT HWC# 110029



# General Overview



# Detailed Hazardous View



**FDOE ID: 110029**  
**Roadway: Lakeshore Drive**  
**Maintenance Agency: Lake County Public Works**  
**Hazard Condition Type: Parallel**  
**Number of Impacted Students: 0**  
**Peak Traffic: 463 AADT**  
**Peak Traffic Time of Day: 7:30 - 8:30 AM**  
**Posted Speed Limit: 35 MPH**

**Legend**

<ul style="list-style-type: none"> <li> Impacted Students (March 12th, 2018)</li> <li> All Elementary Students (March 12th, 2018)</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> LCSB Temporary Ridership Zone (1 to 2 Miles)</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: Lakeshore Drive just 930 ft. North of Anderson Hill Road

Hazard Location Is:  Parallel to the road Traffic Count: 463 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: Sgt. J.S. DeSantis (818)

*Print Name*

*Signature*

Agency/Entity: Lake County Sheriff's Office Title: T.E.U./SWAT

Email: Jeff.DeSantis@lcso.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: 110029 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: #LC285**

**Hourly Directional Summary**

Hour	Volume		Total
	EB	WB	
0:00	12	33	45
1:00	8	22	30
2:00	9	10	19
3:00	11	13	24
4:00	28	6	34
5:00	80	24	104
6:00	192	63	255
7:00	400	103	503
8:00	432	182	614
9:00	267	199	466
10:00	219	182	401
11:00	248	230	478
12:00	222	287	509
13:00	262	276	538
14:00	299	340	639
15:00	256	378	634
16:00	278	454	732
17:00	298	469	767
18:00	213	397	610
19:00	160	337	497
20:00	124	330	454
21:00	84	184	268
22:00	50	108	158
23:00	28	71	99
<b>Total</b>	<b>4,180</b>	<b>4,698</b>	<b>8,878</b>

**LC285 Summary**

Date of Count	3/30/2017
Total Volume	8,878
EB Volume	4,180
WB Volume	4,698
Bi-direction PH Time	16:30
Bi-direction PH Volume	823
PM PH (3:00 PM - 7:00 PM)	16:30
PM PH Bi-direction Volume	823
EB PM PH Direction Volume	319
WB PM PH Direction Volume	504
Peak Direction	WB
% Change Daily from 2012	Calc in Sheet
"K" Factor	0.0927
"D" Factor (calculated)	0.61

*Notes:*

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

Hour	Volume		Total
	EB	WB	
15	2	7	9
30	4	8	12
45	4	6	10
100	2	12	14
115	2	8	10
130	1	4	5
145	3	6	9
200	2	4	6
215	1	3	4
230	2	2	4
245	2	3	5
300	4	2	6

Hourly Vols at 15 minute increments

	EB Volume	WB Volume	
45	0:00	12	33
46	0:15	12	34
39	0:30	9	30
38	0:45	8	30
30	1:00	8	22
24	1:15	7	17
23	1:30	8	15
19	1:45	7	12
19	2:00	9	10
22	2:15	11	11
23	2:30	11	12
25	2:45	13	12



**Lake County Pubic Works  
Annual Traffic Count Report for 2017  
Traffic Station: #LC285**

Hour	Volume		Total	Hourly Vols at 15 minute increments	EB Volume WB Volum		
	EB	WB			EB	WB	
315	3	4	7	24	3:00	11	13
330	2	3	5	22	3:15	10	12
345	4	3	7	22	3:30	13	9
400	2	3	5	27	3:45	19	8
415	2	3	5	34	4:00	28	6
430	5	0	5	50	4:15	39	11
445	10	2	12	67	4:30	52	15
500	11	1	12	81	4:45	62	19
515	13	8	21	104	5:00	80	24
530	18	4	22	120	5:15	92	28
545	20	6	26	149	5:30	116	33
600	29	6	35	200	5:45	151	49
615	25	12	37	255	6:00	192	63
630	42	9	51	313	6:15	245	68
645	55	22	77	374	6:30	289	85
700	70	20	90	441	6:45	354	87
715	78	17	95	503	7:00	400	103
730	86	26	112	585	7:15	453	132
745	120	24	144	621	7:30	463	158
800	116	36	152	632	7:45	450	182
815	131	46	177	614	8:00	432	182
830	96	52	148	544	8:15	361	183
845	107	48	155	521	8:30	335	186
900	98	36	134	478	8:45	298	180
915	60	47	107	466	9:00	267	199
930	70	55	125	452	9:15	258	194
945	70	42	112	434	9:30	248	186
1000	67	55	122	431	9:45	236	195
1015	51	42	93	401	10:00	219	182
1030	60	47	107	426	10:15	234	192
1045	58	51	109	435	10:30	234	201
1100	50	42	92	452	10:45	248	204
1115	66	52	118	478	11:00	248	230
1130	60	56	116	482	11:15	236	246
1145	72	54	126	502	11:30	240	262
1200	50	68	118	505	11:45	218	287
1215	54	68	122	509	12:00	222	287
1230	64	72	136	523	12:15	240	283
1245	50	79	129	543	12:30	250	293
1300	54	68	122	539	12:45	261	278
1315	72	64	136	538	13:00	262	276
1330	74	82	156	542	13:15	254	288
1345	61	64	125	538	13:30	256	282
1400	55	66	121	575	13:45	283	292
1415	64	76	140	639	14:00	299	340

**Lake County Pubic Works  
Annual Traffic Count Report for 2017  
Traffic Station: #LC285**

Hour	Volume		Total	Hourly Vols at 15 minute increments	EB Volume WB Volum		
	EB	WB			EB	WB	
1430	76	76	152	637	14:15	291	346
1445	88	74	162	665	14:30	283	382
1500	71	114	185	671	14:45	263	408
1515	56	82	138	634	15:00	256	378
1530	68	112	180	647	15:15	253	394
1545	68	100	168	646	15:30	254	392
1600	64	84	148	691	15:45	268	423
1615	53	98	151	732	16:00	278	454
1630	69	110	179	804	16:15	304	500
1645	82	131	213	823	16:30	319	504
1700	74	115	189	775	16:45	298	477
1715	79	144	223	767	17:00	298	469
1730	84	114	198	707	17:15	274	433
1745	61	104	165	671	17:30	250	421
1800	74	107	181	636	17:45	237	399
1815	55	108	163	610	18:00	213	397
1830	60	102	162	588	18:15	209	379
1845	48	82	130	558	18:30	187	371
1900	50	105	155	556	18:45	181	375
1915	51	90	141	497	19:00	160	337
1930	38	94	132	481	19:15	144	337
1945	42	86	128	486	19:30	152	334
2000	29	67	96	463	19:45	130	333
2015	35	90	125	454	20:00	124	330
2030	46	91	137	412	20:15	116	296
2045	20	85	105	340	20:30	85	255
2100	23	64	87	309	20:45	87	222
2115	27	56	83	268	21:00	84	184
2130	15	50	65	234	21:15	73	161
2145	22	52	74	212	21:30	70	142
2200	20	26	46	173	21:45	57	116
2215	16	33	49	158	22:00	50	108
2230	12	31	43	145	22:15	44	101
2245	9	26	35	127	22:30	39	88
2300	13	18	31	112	22:45	36	76
2315	10	26	36	99	23:00	28	71
2330	7	18	25		23:15	18	45
2345	6	14	20				
2400	5	13	18				

# FDOE HWC# 110029



**Hazardous Walking Condition ID: 110029**

**Field Inspection Photos**



**Photo No. 1:** Date & Time: 2018:07:18 10:31:00 / Photo Direction of View: 21°



**Photo No. 2:** Date & Time: 2018:07:18 10:32:15 / Photo Direction of View: 177°

**Hazardous Walking Condition ID: 110029**  
**Field Inspection Photos -- Continued**



Photo No.3: Date & Time: 2018:07:18 10:32:33 / Photo Direction of View: 187°

# FDOE HWC# 110029



**Hazardous Walking Condition ID: 110029**  
**Field Inspection Photos**



**Photo No. 2:** Photo Direction of View: 205°



**Photo No. 3:** Photo Direction of View: 41°

**Hazardous Walking Condition ID: 110029**  
**Field Inspection Photos -- (Continued)**



**Photo No. 4:** Photo Direction of View: 38°



**Photo No. 5:** Photo Direction of View: 218°