



Florida Department of Transportation

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MIKE DEW
SECRETARY

ROADWAY DESIGN BULLETIN 17-10
PROGRAM MANAGEMENT BULLETIN 17-03
(FHWA Approved: June 21, 2017)

DATE: June 29, 2017

TO: District Directors of Transportation Operations, District Directors of Transportation Development, District Design Engineers, District Construction Engineers, District Geotechnical Engineers, District Structures Design Engineers, District Maintenance Engineers, District Roadway Design Engineers, District Traffic Operations Engineers, Program Management Engineers, District Materials Engineers

FROM: Michael Shepard, P.E., State Roadway Design Engineer
Stefanie D. Maxwell, P.E., State Program Management Engineer

COPIES: Brian Blanchard, Courtney Drummond, Tim Lattner, David Sadler, Rudy Powell, Amy Tootle, Dan Scheer, Greg Davis, Dan Hurtado, Gregory Schiess, Trey Tillander, Erik Fenniman, Chad Thompson (FHWA)

SUBJECT: Pedestrian Longitudinal Channelizing Devices (LCDs)

The Department is changing the unit of measure for pedestrian Longitudinal Channelizing Devices (LCDs) from Each Day (ED) to Linear Foot (LF). In conjunction with this change, additional guidance on the use of pedestrian LCDs is being provided in the Plans Preparation Manual (PPM), and changes will be implemented in the January 2018 Standard Specifications. The purpose of this change is to provide consistency in how LCDs are designed, installed, and paid for statewide.

REQUIREMENTS

1. Replace PPM, Volume 1, Chapter 10, Section 10.12.4.1 with the following:

10.12.4.1 Pedestrian Requirements

Requirements for pedestrian ways in work zones are as follows:

1. Do not lead pedestrians into direct conflicts with worksite vehicles, equipment, or operations.
2. Do not lead pedestrians into direct conflicts with mainline traffic moving through or around the work site.

3. Provide positive protection where necessary.
4. Maintain or replicate existing pedestrian access ways to the greatest extent practical. Pedestrian access ways through work zones must include provisions for the disabled at the same level of accessibility as the existing facility or greater.
5. Ensure passengers have the ability to access transit stops and to board and depart transit vehicles safely. See FDOT's [Accessing Transit](#) for guidance on transit stops.

Use pedestrian Longitudinal Channelizing Devices (LCDs) in the following situations:

- At each closed pedestrian way location, for the full width of the pedestrian way.
- In locations where a drop-off hazard exists (see *Figure 8.8.1* in *Chapter 8* of this Volume).
- When creating a temporary pedestrian walkway. When this is done, use pedestrian LCDs on both sides of the temporary pedestrian walkway.
 - There may be locations where an existing permanent object that meets the height and detection requirements for pedestrian LCDs in [Design Standards, Index 600](#) (e.g., a retaining wall) is adjacent to one side of the temporary walkway. In these locations, pedestrian LCDs are required only on the exposed side of the temporary pedestrian walkway.

When pedestrian LCDs are used, include plan details to show their locations in the TTC plans, and include quantities in the Summary of Quantities in accordance with the *Basis of Estimates Manual* and *Volume 2, Chapter 7* of this manual.

Do not specify or quantify temporary walkway materials. Temporary walkway materials are addressed in the [Standard Specifications](#).

Place work zone signs and pedestrian LCDs in accordance with [Design Standards, Indexes 600](#) and [660](#).

2. Add the following to PPM, Volume 2, Chapter 7:

7.5 Pedestrian Longitudinal Channelizing Devices

Provide the estimated lengths for pedestrian Longitudinal Channelizing Devices (LCDs) in the Summary of Pedestrian Longitudinal Channelizing Devices box. Provide the following for each installation of pedestrian LCD per construction phase (see *Exhibit SQ-2*):

1. Begin and End Station for Longitudinal Run
2. Station Location for Pedestrian Way Closure
3. Side of Road

4. Estimated Quantity, in feet
 - (a) Pedestrian LCDs are quantified for each installation.
 - (b) For pedestrian way closures, the quantity is equal to the width of the pedestrian way that is being closed (e.g., a 5-foot-wide sidewalk will be paid for as 5 linear feet of pedestrian LCD, even if a longer LCD is used).
 - (c) The Design Notes column should be used to clarify the locations of LCD installations that are to remain in place for more than one phase.
3. Add Exhibit SQ-2 to PPM, Volume 2, Chapter 7.
4. Basis of Estimates (BOE) pay items for Pedestrian LCDs have been revised as follows:

Pay item 102-74- A Channelizing Device
6 (Pedestrian LCD) ED valid through December 31, 2017
7 (Pedestrian LCD) LF effective January 1, 2018
5. The table illustrated in Exhibit SQ-2 and associated pay item information for quantities will be added to the FDOT CADD software with the next scheduled Maintenance Release. In the interim, the table and instructions for calculating quantities are available for [download](#).

IMPLEMENTATION

The requirements of this bulletin are effective on projects let January 2018 and later.

CONTACTS

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MS/SM/mjh

Attachments

- Attachment A: Exhibit SQ-2

Attachment 'A'

Exhibit SQ-2

SUMMARY OF PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICES

CONST. PHASE	LOCATION	SIDE	QUANTITY		DESIGN NOTES	CONSTRUCTION REMARKS
	STA. TO STA.		0102 74 7			
			LF			
			P	F		
1	160+00 TO 161+50	Lt.	150		REMAINING IN PLACE FROM PHASE 1 THRU PHASE 3	
1	161+50 TO 165+00	Rt.	350			
1	163+00 TO 164+00	Lt.	100			
1	166+00 TO 166+00	Lt.	5		SIDEWALK CLOSURE	
2	164+00 TO 165+00	Rt.	100		REMAINING IN PLACE FROM PHASE 2 THRU PHASE 3	
3	164+00 TO 165+00	Lt.	200		100' x 2 SIDES OF TEMPORARY WALKWAY	
3	166+00 TO 166+00	Rt.	5		SIDEWALK CLOSURE	
		TOTAL	910			

Exhibit SQ-2
Date: 1/1/18

<p align="center">REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					LUKE S. WALKER, P.E. P.E. NO.: 99991 ROADWAY ENGINEERS, INC. 123 MAIN STREET TALLAHASSEE, FL 32301 CERTIFICATE OF AUTHORIZATION: 12345	<p align="center">STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>FINANCIAL PROJECT ID</th> </tr> </thead> <tbody> <tr> <td>SR 22</td> <td>BAY</td> <td>123456-1-52-01</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	SR 22	BAY	123456-1-52-01	<p align="center">SUMMARY OF QUANTITIES</p>	SHEET NO. SQ-2
DATE	DESCRIPTION	DATE	DESCRIPTION																		
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