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REV.	DATE	COMMENT	BY
1	03/07/18	ISSUED 75% RESUBMITTAL	MAT
2	09/25/18	ISSUED 75% RESUBMITTAL	MAT
3	11/06/18	RESPONSE TO 75% COMMENTS	MAT
4	01/04/19	ADDRESS TRAFFIC ENG. CONDITIONS	MAT

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PROJECT No:	F150057
DRAWN BY:	JVF
CHECKED BY:	MAT
DATE:	09/11/2019
CAD I.D.:	F150057-FDOT DETAILS

PROJECT:  
**CUMBERLAND FARMS**  
 SUNRISE BLVD. & NE 4TH AVENUE

FOR  
**CUMBERLAND FARMS**

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SHEET TITLE:  
**FDOT DETAILS**  
 SHEET NUMBER:  
**CFG16.0**

**Table I Device Spacing**

Speed (mph)	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels on Drums	
	Taper	Tangent	Taper	Tangent
25	75	50	20	20
30 to 45	75	50	30	30
50 to 70	75	50	50	200

**Table II Buffer Space and Taper Length**

Speed (mph)	Buffer Space (ft.)	Taper Length (ft.)	
		12" Lateral Transition	Notes (Merge)
25	125	125	WS
30	250	180	WS
35	350	245	WS
40	500	310	WS
45	600	360	WS
50	625	600	L = WS
55	695	600	L = WS
60	570	720	L = WS
65	645	780	L = WS
70	720	840	L = WS

**GENERAL NOTES:**

- Work operations shall be confined to one traffic lane, leaving the adjacent lane open to traffic.
- On undivided highways the median signs as shown are to be omitted.
- When work is performed in the median lane on divided highways, the channelizing device plan is inverted and left face closed and lane work signs substituted for the right lane closed and lane work signs.
- The same applies to undivided highways with the following exceptions:
  - Work shall be confined within one median lane.
  - Additional barricades, cones, or drums shall be placed along the centerline adjacent the work area and across the trailing end of the work area.
- Signs and traffic control devices are to be installed in accordance with INTERMITTENT WORK STOPPAGE details Table 2 of 23 when no work is being performed and the highway is open to traffic.
- When work on undivided highways occurs across the centerline so as to encroach on both median lanes, the inverted plan is applied to the approach of both roadways.
- Signs and traffic control devices are to be installed in accordance with INTERMITTENT WORK STOPPAGE details Table 2 of 23 when no work is being performed and the highway is open to traffic.
- The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity flashing, flashing, oscillating, or strobe lights operating.
- When paved shoulders having a width of 8 ft. or more are closed, channelizing devices shall be used to close the shoulder in advance of the tapering lanes to direct vehicular traffic to remain within the travel way. See Index 102-612 for alternate taper formulas.
- When a side road intersects the highway within the TWC zone, additional TWC devices shall be placed in accordance with other applicable TWC indexes.
- This TWC plan also applies when work is being performed in the inside lanes of a six or more lane highway. See Index 102-614.
- For general TWC requirements and additional information, refer to Index 102-600.

**SYMBOLS**

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Advance Warning Arrow Board

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENDOUR ON THE LANE ADJACENT TO EITHER SHOULDER AND THE AREA 2' OUTSIDE THE EDGE OF TRAVEL WAY.

INDEX: 102-613 SHEET: 1 of 2

**GENERAL NOTES:**

- When used on high side of roadway, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the top shall be 6" unless otherwise shown on plans.
- Ensure inside section of the gutter cross slope matches circulating roadway pavement.
- For use adjacent to concrete or flexible pavement, the concrete dropping usage adjacent to flexible pavement. See Sheet 2. Expansion joint, preformed joint filler and joint seal are required between curb and pavement only. See Sheet 2.

**TRAFFIC REMAINING SECTION FOR USE IN ROUNDABOUT CENTRAL ISLAND CONSTRUCTION TYPE RA**

INDEX: 520-001 SHEET: 1 of 2

INDEX: 520-001 SHEET: 1 of 2

**SYMBOLS**

- Work Area
- Channelizing Device
- Work Zone Sign
- Analysis Locations For Either Temporary or Permanent Curb Flares
- Lane Configuration + Direction of Traffic
- Pedestrian Longitudinal Channelizing Device (L.C.D.) with Mounted Work Zone Sign or separate Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (L.C.D.)
- Temporary Sidewalk

**GENERAL NOTES:**

- When channelizing work requires a sidewalk closure for 60 minutes or greater, provide an alternate pedestrian route.
- For spacing of vehicular channelizing devices, see applicable vehicular temporary traffic control indexes.
- Cover or deactivate pedestrian traffic signal displays controlling closed crosswalks.
- For short mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
- Provide a 5' wide temporary sidewalk, except where space restrictions require a minimum width of 4'. Provide a 3' x 3' parking space for temporary walkways less than 5' in width at intervals not to exceed 200'.
- Provide a cross-slope with a maximum value of 0.02 for all temporary walkways.
- Maintain temporary walkway surfaces and ramps that are stable, firm, slip-resistant, and free of any obstructions or hazards such as holes, potholes, mud, construction equipment, and stored material.
- Remove temporary walkways immediately after reopening of the sidewalk, unless otherwise noted in the plans.
- Meet the requirements of Index 522-002 for temporary curb ramps.
- Place pedestrian longitudinal channelizing devices across the full width of the closed sidewalk. For temporary walkways adjacent to the sidewalk, diversion, closed L.C.D.s to delineate both sides of the temporary walkway.
- For sidewalk diversions, ensure that there is sufficient R/W for placement of temporary vehicular and pedestrian longitudinal channelizing devices.

INDEX: 102-660 SHEET: 1 of 1

**GENERAL NOTES:**

- Construct sidewalks in accordance with Index 522, use of concrete for sidewalks and curbs located within curb ramps. See Plan Views, Detail all other concrete with 18" x 18" rebar, unless otherwise detailed in the Plans.
- Include curb ramps on sidewalk curb ramps in accordance with Index 522-002.
- Driveways shall be per Index 522-003.
- Use of any material that is not permeable or that is not preformed material having a strength of not less than 6,000 psi and not more than 10'.
- Construct sidewalks with Edge Beam through the limits of any surface mounted Pedestrian/Bicycle Railing or Pipe Guardrail shown in the plans. (See RAILING DETAILS)

**LEGEND:**

- 4" Thick Sidewalk
- 6" Thick Sidewalk
- Utility Strip

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