

GENERAL NOTES

- If the work operation requires establishing and terminating the work area, requires that two or more work vehicles cross the offset zone in any one hour, traffic control will be in accordance with Index 102-612.
- No special signing is required.
- This Index also applies when work is being performed on a multi-lane undivided highway.
- This Index also applies to work performed in the median behind an existing barrier or more than 15 feet from the edge of travel way, such as shoulders, curb, performed in the median behind curb and gutter shall be in accordance with Index 102-612.
- When a side road intersects the highway within the work area, additional traffic control devices shall be placed in accordance with other applicable TCE Indexes.
- When construction activities encroach on a sidewalk, refer to Index 102-660.
- For general TCE requirements and additional information, refer to Index 102-600.

SYMBOLS

- Work Area
- Channelizing Device
- Work Zone Sign
- Lane Identification + Direction of Traffic

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUCH ON THE CURB, OR IS MORE THAN 15 FEET FROM THE EDGE OF TRAVEL WAY.

LAST REVISION	DESCRIPTION	FY 2019-20 STANDARD PLANS	MULTILANE, WORK OUTSIDE SHOULDER	INDEX 102-611	SHEET 1 of 1
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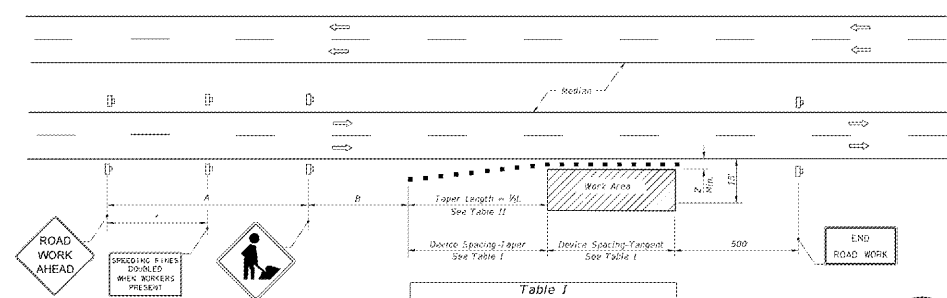


Table I Device Spacing

Speed (mph)	Max. Distance Between Devices (ft.)	
	Cones or Tubular Markers	Baricades or Vertical Panels or Drums
25	20	25
30 to 45	30	30
50 to 70	50	50

Table II Taper Length - Shoulder

Speed (mph)	L (ft.)		
	10'	12'	Notes
25	35	42	S = Posted speed limit (mph)
30	42	50	
35	50	60	L = WS
40	60	75	
45	75	100	WS = Width of total shoulder in feet (longest paved and unpaved width)
50	100	150	
55	150	200	S = Minimum shoulder width
60	200	250	
65	250	300	
70	300	350	

SYMBOLS

- Work Area
- Channelizing Device
- Work Zone Sign
- Lane Identification + Direction of Traffic

GENERAL NOTES

- When a high volume of work vehicles are entering and leaving the work area, the speed limit shall be 10 MPH below the posted speed limit on 100-5-06. The ROAD WORK AHEAD sign location and shall be 500 ft. from the 400-5-06 sign location.
- This TCE also applies to work performed in the median behind an existing barrier or more than 15 feet from the edge of travel way.
- When work is being performed on a multi-lane divided highway, the sign shall be placed in the median behind an existing barrier or more than 15 feet from the edge of travel way.
- WORKERS shall be placed in the work area when work is being performed.
- SHOULDER BARRIERS shall be used on all multi-lane divided highways.
- When a side road intersects the highway within the TCE zone, additional TCE devices shall be placed in accordance with other applicable TCE Indexes.
- For general TCE requirements and additional information, refer to Index 102-600.

DURATION NOTES

- Temporary white edge lines may be omitted if all of the following conditions are met:
 - Work operations are 60 minutes or less.
 - Visibility in the work area has high-intensity, rotating, flashing, oscillating or strobe lights operating.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUCH THE AREA CLOSER THAN 15 FEET BUT NOT CLOSER THAN 2 FEET TO THE EDGE OF TRAVEL WAY.

LAST REVISION	DESCRIPTION	FY 2019-20 STANDARD PLANS	MULTILANE, WORK ON SHOULDER	INDEX 102-612	SHEET 1 of 1
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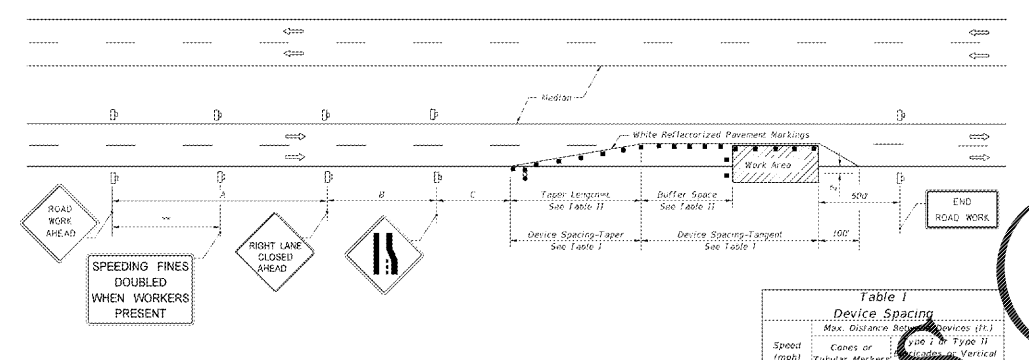


Table II Buffer Space and Taper Length

Speed (mph)	Buffer Space (ft.)	Taper Length (ft.)	
		12' Lane	10' Lane
25	135	125	125
30	200	180	180
35	230	245	245
40	260	310	310
45	300	380	380
50	330	450	450
55	370	520	520
60	410	600	600
65	450	680	680
70	500	750	750

Table I Device Spacing

Speed (mph)	Max. Distance Between Devices (ft.)	
	Cones or Tubular Markers	Baricades or Vertical Panels or Drums
25	20	25
30 to 45	30	30
50 to 70	50	50

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 or divided highways, the channelizing device plan is to be used and left lane closed and lane end signs substituted for the right lane closed and lane end signs.
 - The same signages in undivided highways with the following exceptions:
 - Work shall be confined within one traffic lane.
 - Additional barricades, cones, or drums shall be placed along the centerline at the beginning and end of the work area across the trailing end of the work area.
 - When work on undivided highways occurs across the centerline so as to encroach on the adjacent lane, the inverted plan is applied to the approach of both roadways.
 - Signs and traffic control devices are to be installed in accordance with the INTERMITTENT WORK ZONE PALETTE details (sheet 2 of 2) since no work is being performed and the way is open to traffic.
 - The two channelizing devices (Type II) shall be placed in the work area to delineate the work area and to provide advance warning to approaching vehicles in the work area have high-intensity, rotating, flashing, oscillating or strobe lights operating.
 - When point shoulders having a width of 10 feet or more are present, channelizing devices shall be used to close the shoulder in advance of the work area.
 - When work is performed in the median lane of a six or more lane highway, see Index 102-612 for the work area.
 - This TCE also applies to work performed in the median lanes of a six or more lane highway. See Index 102-612.
- For general TCE requirements and additional information, refer to Index 102-600.

DISTANCE BETWEEN SIGNS

Speed	Spacing (ft.)		
	A	B	C
NO SIGN OR FLAG	200	200	200
45 mph or less	250	250	250
50 mph	300	300	300
55 mph	350	350	350
60 mph or greater	400	400	400

SYMBOLS

- Work Area
- Channelizing Device
- Work Zone Sign
- Advance Warning Arrow Boards

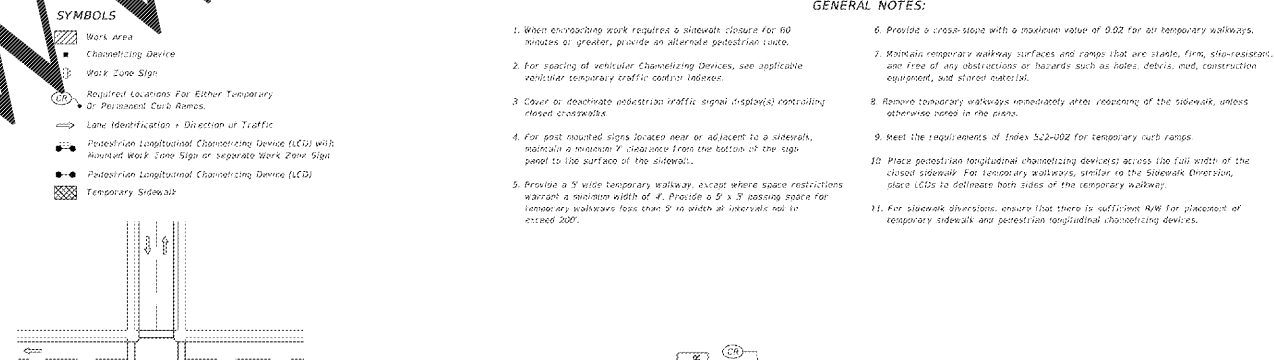
DURATION NOTES

- Temporary white edge lines may be omitted for work operations less than 2 consecutive calendar days.
- For work operations up to approximately 15 minutes, signs, channelizing devices, arrow boards, and buffer space may be omitted if all of the following conditions are met:
 - Speed limit is 45 mph or less.
 - No sight obstructions to vehicles approaching the work area for a distance equal to the buffer space and the taper length combined.
 - Volume and complexity of the roadway has been considered.
 - The closed lane is occupied by a class 5 or larger, medium duty trucks with a minimum gross weight vehicle rating (GVWR) of 15,000 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab hinged and operating.
- For work operations up to 60 minutes, arrow board and buffer space may be omitted if conditions a, b, and c on Duration Note 2 are met and vehicles in the work area have high-intensity, rotating, flashing, oscillating or strobe lights operating.

CONDITIONS

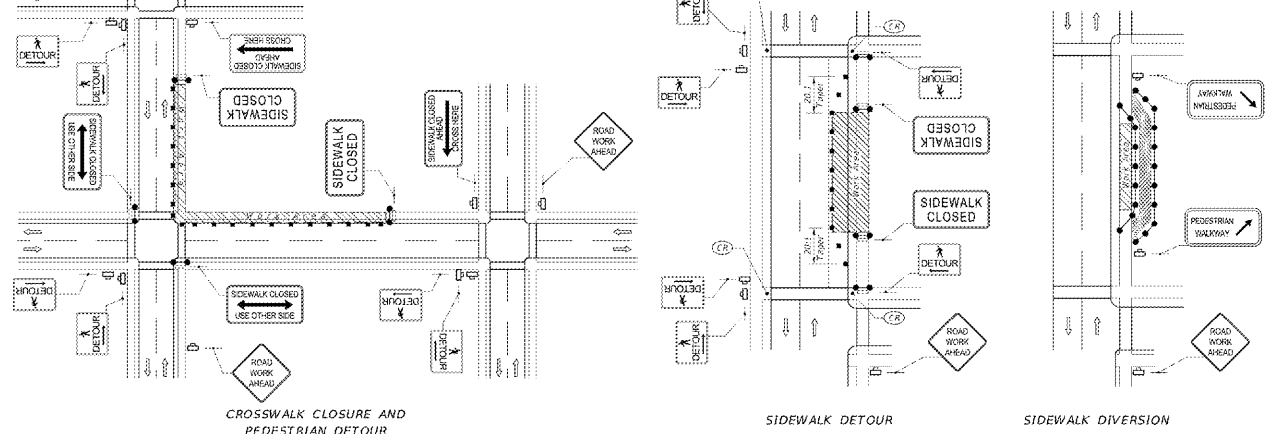
WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUCH ON THE CURB ADJACENT TO EITHER SHOULDER AND THE AREA 2' OUTSIDE THE EDGE OF TRAVEL WAY.

LAST REVISION	DESCRIPTION	FY 2019-20 STANDARD PLANS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX 102-613	SHEET 1 of 2
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GENERAL NOTES:

- When encroaching work requires a sidewalk closure for 60 minutes or greater, provide an alternate pedestrian route.
- Provide temporary walkway surfaces and ramps that are stable, firm, slip-resistant, and free of any obstructions or hazards such as holes, debris, mud, construction equipment, and stored material.
- Cover or deactivate pedestrian traffic signal (if applicable) controlling closed crosswalks.
- For post-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 walkway, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 3' opening space for temporary walkways less than 5' in width at intervals not in excess of 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, debris, 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, similar to the Sidewalk Diversion, place LCDs to delineate both sides of the temporary walkway.
- For sidewalk diversions, ensure that there is sufficient R/W for placement of temporary sidewalk and pedestrian longitudinal channelizing devices.



LAST REVISION	DESCRIPTION	FY 2019-20 STANDARD PLANS	PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS	INDEX 102-660	SHEET 1 of 1
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REV.	DATE	DRN	CHK	DESCRIPTION
	05/18/2019	CTD	CTD	PER CITY OF OCOEE COMMENTS 5/13/19
	01/17/2019	AG	CTD	PER CITY OF OCOEE COMMENTS 3/29/19
		DRN		DESCRIPTION
				DOCUMENT CONTROL

DARREN L. BYRNE, P.E.
FLORIDA LICENSE NO. 77996
FLORIDA BUSINESS CERT. OF AUTH. NO. 27268

DOLLAR TREE
OCOEE, FL
TRAFFIC CONTROL PLAN
PROJ. NO. FT180086
DWG. NO. C-13.0