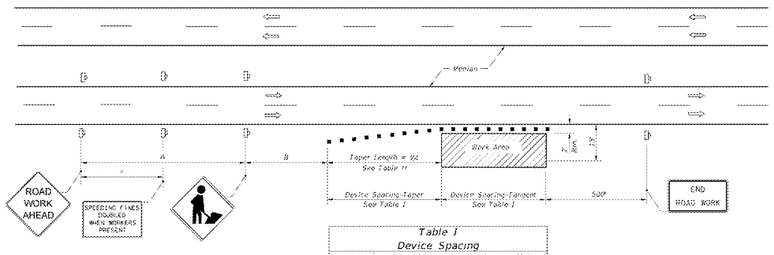


DISTANCE BETWEEN SIGNS		
Speed	Spacing (ft.)	
	A	B
40 mph or less	350	350
45 mph	390	390
50 mph or greater	500	500

*250' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Table I
Device Spacing

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 35	25	50	30	50
40 to 70	25	50	50	100

Table II
Taper Length - Shoulder

Speed (mph)	WA (ft.)			Notes
	6' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	
30	40	50	60	L= WS²/60
35	55	66	62	
40	72	90	107	
45	121	150	180	L=WS
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

6' minimum shoulder width.

WA = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

SYMBOLS

- Work Area
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Lane Identification & Direction of Traffic

GENERAL NOTES

1. When a high volume of work vehicles are entering and leaving the Work Area at speeds slower than 10 MPH below the posted speed, place an W21-5-48 sign in the ROAD WORK AHEAD sign location and shift the ROAD WORK AHEAD sign upstream 500 ft.
2. This TCZ plan also applies to work performed in the median more than 2' but less than 15' from the edge of travelway.
3. When work is being performed on a multilane undivided roadway the signs normally installed in the median (as shown) shall be omitted.
4. WORKERS signs to be removed or fully covered when no work is being performed.
5. SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
6. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
7. For general TCZ requirements and additional information, refer to Index No. 600.

DURATION NOTES

1. Signs and channelizing devices may be omitted if all of the following conditions are met:
   a. Work operations are 60 minutes or less.
   b. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating

CONDITIONS

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

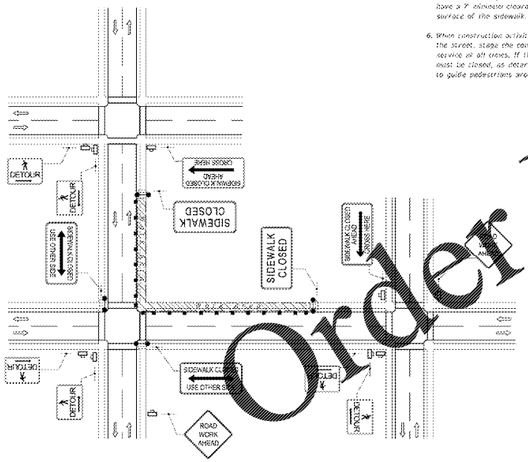
LAST REVISION 01/01/16	DESCRIPTION:	FDOT FY 2017-18 DESIGN STANDARDS	MULTILANE, WORK ON SHOULDER	INDEX NO. 612	SHEET NO. 1 of 1

GENERAL NOTES

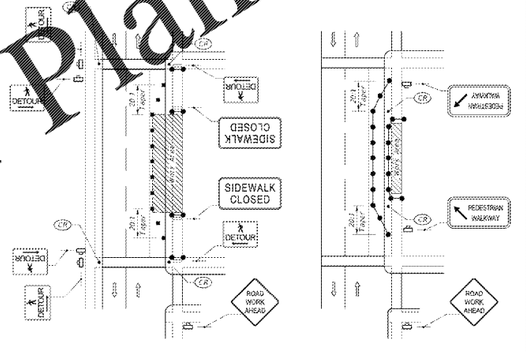
1. Route pedestrian traffic around work areas when construction activities encroach on the sidewalk for more than 60 minutes using the devices and legends shown on this Index. Use project specific designs for scenarios not included on this Index.
2. For spacing of traffic control devices and general TCZ requirements refer to Index 600. The maximum spacing between barricades, vertical panels, drums or tubular markers is 20'.
3. Use delineators on longitudinal channelizing devices separating the work area from vehicular traffic.
4. Cover or deactivate pedestrian traffic signal displays conflicting closed crosswalks.
5. Post mounted signs located near or adjacent to a sidewalk must have a 7' minimum clearance from the bottom of sign to the surface of the sidewalk.
6. When construction activities involve sidewalks on both sides of the street, stage the construction so that one sidewalk is in service at all times. If this is not feasible and both sidewalks must be closed, as determined by the Engineer, provide a detour to guide pedestrians around the construction zone.
7. Provide a 5' wide temporary walkway, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary walkways less than 5' in width at intervals not to exceed 200'.
8. Provide a cross-slope with a maximum value of 2.0% for all temporary walkways.
9. Temporary walkway surfaces and ramps must be stable, firm, slip resistant, kept free of any obstructions and hazards including, but not limited to, debris, mud, construction equipment and shared roadways.
10. Remove temporary walkways immediately after completing the sidewalk, unless otherwise noted in the plans.
11. Meet the requirements of Index 304 for temporary curb ramps.
12. Place pedestrian longitudinal channelizing devices to protect the full width of the closed sidewalk. For temporary walkways, refer to the Sidewalk Diversion, place LCD's at the entrance both sides of the temporary walkway.

SYMBOLS

- Work Area
- Channelizing Device (See Index 600)
- Work Zone Sign
- Required Locations For Either Temporary Or Permanent Curb Ramps
- Lane Identification & Direction of Traffic
- Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign as required Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)



CROSSWALK CLOSURE AND PESESTRIAN DETOUR

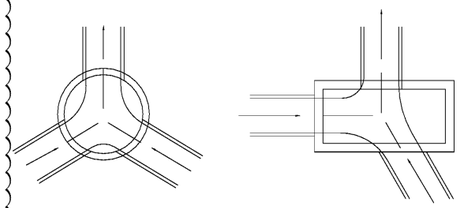


SIDEWALK DETOUR

SIDEWALK DIVERSION

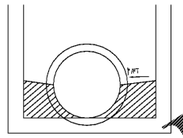
LAST REVISION 11/01/16	DESCRIPTION:	FDOT FY 2017-18 DESIGN STANDARDS	PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS	INDEX NO. 660	SHEET NO. 1 of 1

GENERAL NOTE:
MORTAR USED TO SEAL THE PIPE INTO THE WALLS OF PRECAST UNITS WILL BE OF SUCH A MIX THAT SHRINKAGE WILL NOT CAUSE LEAKAGE INTO OR OUT OF THE UNITS. MAXIMUM OPENING FOR PIPE SHALL BE THE O.D. OF THE PIPE REQUIRED PLUS 6".



DETAIL OF CHANNELIZATION

NOTE: CHANNELIZATION REQUIRED AT ALL DRAINAGE STRUCTURES

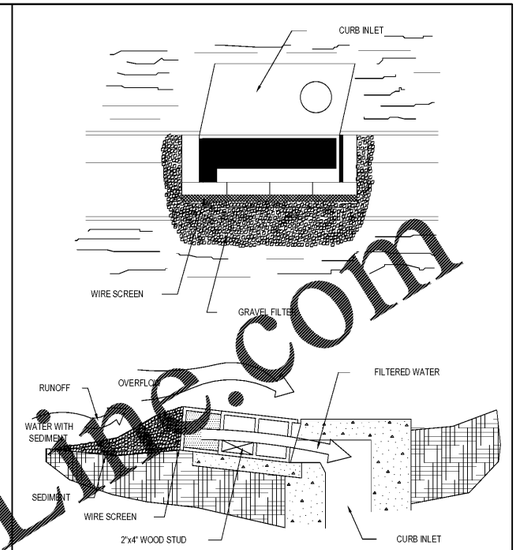


SMOOTH FLOW CHANNELS COMPOSED OF CONCRETE OR BRICK AND MORTAR SHALL BE CONSTRUCTED ON THE BOTTOMS OF ALL STRUCTURES TO A DEPTH EQUAL TO HALF THE DIAMETER OF THE LARGEST PIPE.

INVERT DETAIL

CITY OF JACKSONVILLE STANDARD

N.T.S.	PLATE D-212
DATE DRAWN	8-6-1979
REVISED DATE	5-12-94



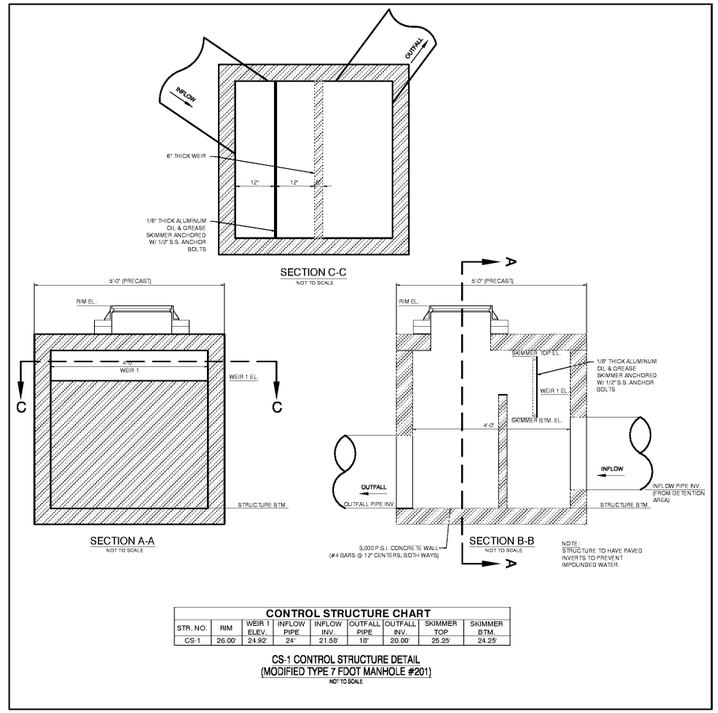
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE AN OVERFLOW CAPABILITY IS NECESSARY TO PREVENT EXCESSIVE PONDING IN FRONT OF THE STRUCTURE.

BLOCK AND GRAVEL CURB INLET SEDIMENT FILTER

CITY OF JACKSONVILLE STANDARD

N.T.S.	PLATE D-902
DATE DRAWN	8-4-79
REVISED DATE	5-12-94



CONTROL STRUCTURE CHART

STR. NO.	RIM	WEIR 1 ELEV.	INFLOW PIPE	INFLOW INV.	OUTFALL PIPE	OUTFALL INV.	SKIMMER TOP	SKIMMER BTM.
CS-1	26.00	24.92	24"	21.58	18"	20.00	25.25	24.25

CS-1 CONTROL STRUCTURE DETAIL
(MODIFIED TYPE 7 FDOT MANHOLE #201)
NOT TO SCALE

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REVISIONS

REV	DATE	COMMENT	BY
1	01/08/18	PER CITY & JEA COMMENTS	JRT
2	03/06/18	PER CITY & FDOT COMMENTS	JRT
3	04/16/18	PER FDOT COMMENTS	JRT
4	01/28/20	FORCE MAIN & IRRIGATION REVISION	ASZ
5	02/11/20	EQD COMMENTS	ASZ
6	09/25/20	PER WAWA	KM

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DRAWN BY:	JRT
CHECKED BY:	ASZ
DATE:	9/26/20
SCALE:	AS NOTED
CAD I.D.:	OIDD

PROJECT:
Wawa
FOR
BRIGHTWORK REAL ESTATE
LOCATION OF SITE
1004 EDGEWOOD AVE NORTH
JACKSONVILLE, FL 32254
CITY OF JACKSONVILLE

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FLORIDA BUSINESS (CERT OF AUTH. No. 30760
LANDSCAPE ARCHITECTURE BUSINESS LIC. No LC26000551

SHEET TITLE:
CONSTRUCTION DETAILS

SHEET NUMBER:
D-5