

# GENERAL NOTES:

ALL DEVICES SHALL COMPLY WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

72-HOUR NOTICE TO CITY IS REQUIRED BEFORE WORK IS STARTED. CONTACT 785-368-3842 FOR TRAFFIC DISRUPTION PERMIT.

72-HOUR NOTICE IS REQUIRED IF TRAFFIC SIGNALS ARE TO BE MODIFIED AS PART OF TRAFFIC CONTROL. CONTACT 785-368-3913.

UNLESS OTHERWISE NOTED, ALL TRAFFIC CONTROL DEVICES SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR.

SIGNS AND TRAFFIC CONTROL DEVICES NEED TO BE PROPERLY MAINTAINED FOR CLEANLINESS, VISIBILITY, AND CORRECT POSITIONING.

CONTRACTOR SHALL OBTAIN UTILITY LOCATES PRIOR TO INSTALLING SIGNPOSTS.

SIGNS LEFT IN PLACE THREE OR FEWER DAYS CAN BE MOUNTED AT ONE FOOT. SIGNS LEFT IN PLACE GREATER THAN THREE DAYS NEED TO BE MOUNTED AT SEVEN FEET. IF THERE ARE NO SIDEWALKS, NO PEDESTRIANS, AND NO PARKING, MOUNTING HEIGHT CAN BE REDUCED TO FIVE FEET. IF SECONDARY SIGN IS NEEDED MINIMUM MOUNTING HEIGHT MAY BE ONE FOOT LOWER.

ALL SIGNS SHALL TO BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC WHEN NOT IN USE.

CONTRACTOR MAY BE REQUIRED TO ADD SNOW FENCE TO PROHIBIT PEDESTRIANS FROM ENTERING THE WORK AREA. FENCING SHOULD NOT CREATE A SIGHT DISTANCE RESTRICTION FOR ROAD USERS.

ALL WORKERS SHALL WEAR HIGH VISIBILITY APPAREL MEETING ANSI 107-2004 CLASS 2 OR 3.

TRAFFIC CONTROL DEVICES SHALL MEET NCHRP REPORT 350 (AND SUPPLEMENTS) OR MASH 2009. NCHRP TESTED DEVICES ARE GRANDFATHERED. NEW DEVICES WILL BE MASH 2009 TESTED.

WHEN ROAD WORK CREATES A DIFFERENCE IN ELEVATION BETWEEN ADJACENT LANES THAT ARE OPEN TO TRAVEL, UNEVEN LANE SIGNS, (W8-11) 36"x36" SHALL BE ADDED. THEY SHALL BE PLACED AT BEGINNING AND AT INTERVALS EQUAL TO APPROXIMATELY 1000', BOTH DIRECTIONS IF APPLICABLE.

A BUMP SIGN (W8-1) 36"x36" SHALL BE INSTALLED TO GIVE WARNING OF A 2" OR MORE RISE OR DEPRESSION IN THE PROFILE OF THE ROADWAY. USE AT BEGINNING AND END OF MILLING EVEN IF WEDGE IS IN PLACE.

## FORMULAS FOR DETERMINING TAPER LENGTH

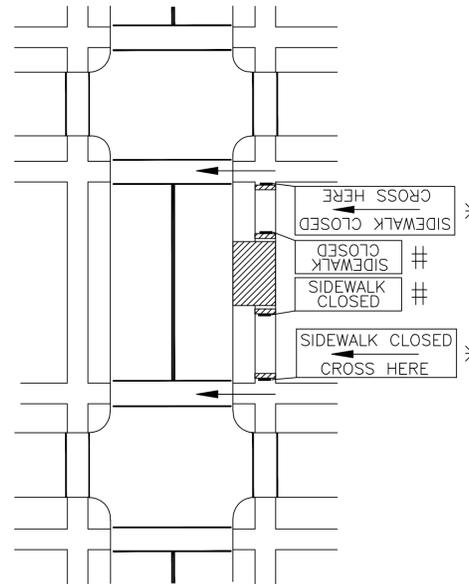
SPEED (S)	TAPER LENGTH (L) IN FEET
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR MORE	$L = WS$

WHERE: L = TAPER LENGTH IN FEET  
 W = WIDTH OF OFFSET IN FEET  
 S = POSTED SPEED LIMIT PRIOR TO WORK STARTING

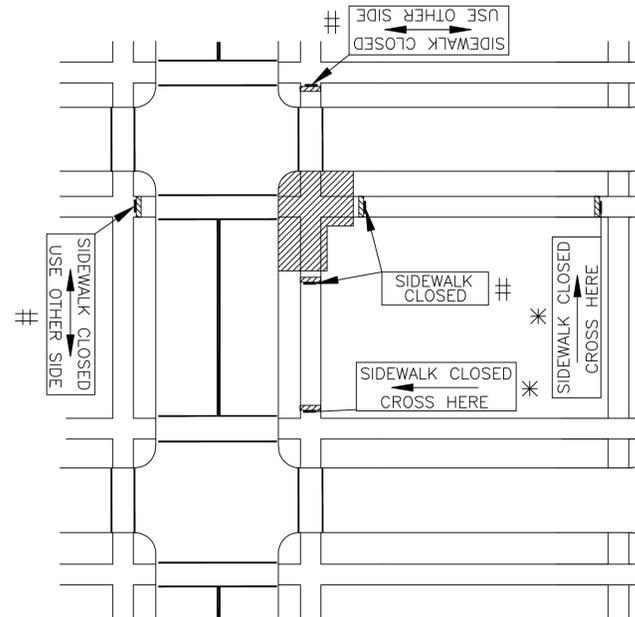
SPEED LIMIT	TAPER (L)	SIGN SPACING (X)
20	80'	100'
25	125'	100'
30	180'	100'
35	245'	100'
40	320'	100'
45	540'	350'

BASED ON W=12'

EXCEPT AS NOTED (DOWNSTREAM TAPER, FLAGGER OPERATIONS, YIELD OPERATION), SPACE CHANNELIZER @ SPEED LIMIT. IF SPEED LIMIT IS 40mph SET DEVICES AT 40'.



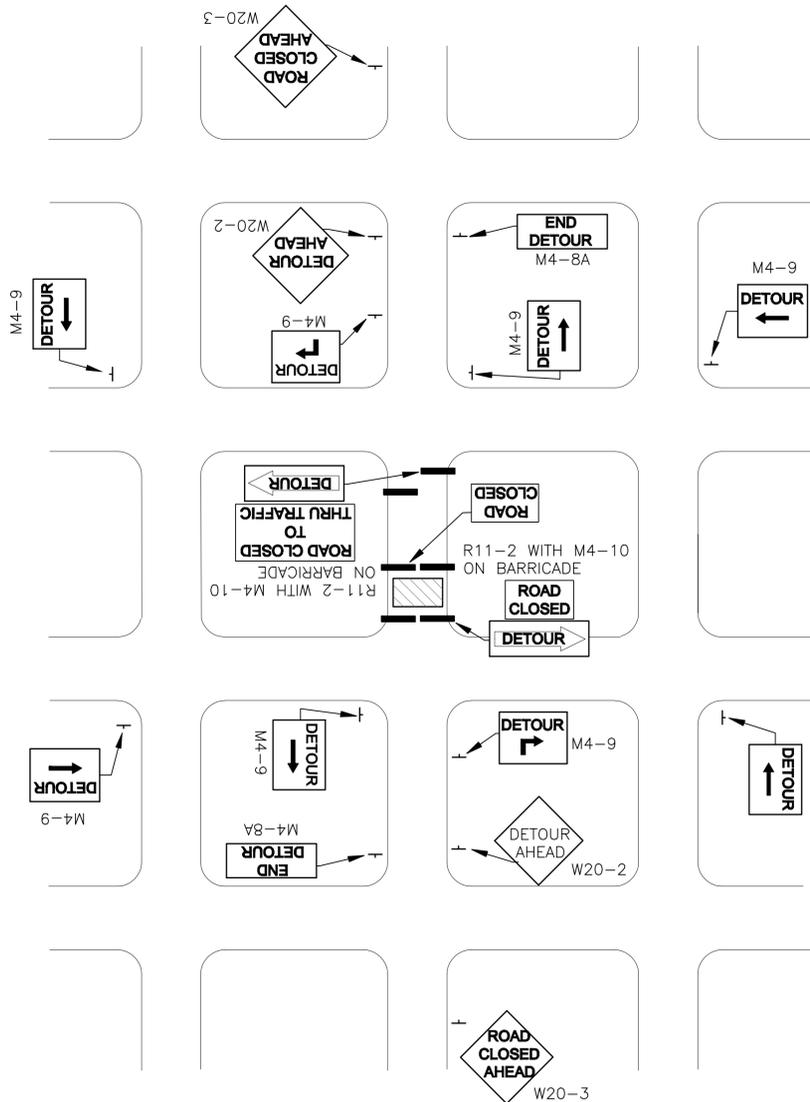
## MID-BLOCK SIDEWALK CLOSURE WITH PEDESTRIAN DETOUR



## CORNER SIDEWALK CLOSURE WITH PEDESTRIAN DETOUR

\* ADVANCE SIGNS TO BE PLACED ON TYPE I OR TYPE II BARRICADES. PLACE SO THAT AT LEAST 48" OF SIDEWALK IS AVAILABLE FOR PEDESTRIAN USE.

# SIGNS TO BE PLACED ON CONTINUOUS DETECTABLE DEVICES. DEVICE CAN BE TYPE I, TYPE II, TYPE III OR OTHER TYPE WALLS OR RAILS AS PER MUTCD. THEY WILL HAVE ORANGE AND WHITE STRIPES. THE BOTTOM EDGING WILL BE AT LEAST 6 INCHES IN WIDTH AND PLACED A MAXIMUM OF 2 1/2 INCHES ABOVE THE SIDEWALK, SO AS TO BE DETECTABLE BY PEDESTRIANS WITH LONG CANE.



## DETOUR SIGNING-STREET CONSTRUCTION IN A STREET GRID

STREET NAME SIGN (D-3) TO BE PLACED ABOVE THE DETOUR SIGN (M4-9) TO INDICATE THE NAME OF THE ROADWAY FOR WHICH THE DETOUR WAS ESTABLISHED.

LEGEND	
	= SIGN
	= ARROW PANEL BOARD
	= TYPE III BARRICADE
	= WORK SPACE
	= REFLECTORIZED DRUMS OR FLUORESCENT ORANGE CONES OR SLIMLINE CHANNELIZERS
	= FLAGGER

NO.	DATE:	REVISION	BY:	APP'D
2	02/27/12	ADD ADA DETECTABLE WARNING NOTES	KAP	LGV
1	01/30/12	UPDATE SPECIFICATIONS	KAP	LGV

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## TRAFFIC CONTROL

DATE: \_\_\_\_\_  
 PAGE: \_\_\_\_\_ OF \_\_\_\_\_  
 DRAWING: DT-118  
 PROJ: \_\_\_\_\_