Detectable Warning Panels – Revised

Effective immediately, the 1996 Metric Edition Construction and Traffic Standard Details and the 1997 [English Edition] Construction Standards are amended with the following revised drawings (attached):

M/E 107.2.1R Wheelchair Ramp on Narrow Sidewalk
M/E 107.6.5R Detectable Warning Panel for Wheelchair Ramps

These drawings supersede drawings dated April 2004, issued under Engineering Directive E-04-003. These drawings shall be used immediately on all design and construction projects.

The depth of Detectable Warning Panels shall be 24 inches (610 mm) in the direction of travel. All other guidance provided in the text of Engineering Directive E-04-003 dated April 16, 2004 remains in effect.

Attachments

Distribution: ____  Please Post: ____  Do Not Post: ____
WHEELCHAIR RAMP ON NARROW SIDEWALK WITH DETECTABLE WARNING PANEL

LEGEND

HSL = HIGH SIDE TRANSITION LENGTH
(SEE M/E 107.9.0)
W = SIDEWALK WIDTH
Wc = CURB WIDTH
* = TOLERANCE FOR CONSTRUCTION ±0.5%
USABLE SIDEWALK WIDTH PER AAB = W - Wc
USABLE SIDEWALK WIDTH PER AAB IS NOT TO BE LESS THAN 4'0" (1.22m)
SEE M/E 107.6.5R FOR DETAILS OF DETECTABLE WARNING PANEL

M/E107.2.1R

DRAWING NUMBER

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"LEVEL LANDING" WITH DETECTABLE WARNING PANEL
1.5% SLOPE FOR DRAINAGE

HSL
HIGH SIDE TRANSITION
5'-0"
1.525 m MIN.
LOW SIDE TRANSITION
6'-0" (2.0 m)
6" (150 mm)
CURB REVEAL (TYP.)

PLAIN CEMENT CONCRETE

ROADWAY DOWNGRADE

LIMITS OF CEMENT CONCRETE RAMP

W = SIDEWALK WIDTH

DETECTABLE WARNING PANEL

CC=4" (100 mm)

SIDEBAND

FOUNDERATION

SECTION A-A

1.5%
24" (610mm) DEPTH OF DETECTABLE WARNING PANEL

SEE DETAIL BELOW

6" (152mm) DEPTH OF PLAIN CEMENT CONCRETE

TYPICAL INSTALLATION

DETAILED OF DETECTABLE WARNING PANEL

50% TO 60% OF THE BASE DIAMETER

- 0.2" (5.1mm)

- 0.9" - 1.4" (23mm - 36mm)

NOTE:
PANELS MAY BE CONCRETE PRECAST OR CAST IN PLACE OR OTHER SUITABLE MATERIAL PERMANENTLY APPLIED TO THE RAMP. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT