ILLINOIS HIGHWAY INFORMATION SYSTEM
ROADWAY INFORMATION AND PROCEDURE MANUAL

ITEM NAME	**SHOULDER INSIDE WIDTH 1**	ITEM NO. **21C**
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ENTERED BY	STATE	NON-STATE	HPMS	MUNI	EFFECTIVE DATE
District Program Development	**YES**	**YES**	**YES**	**OPT**	**7/1/2014**

UPDATE	GIS NAME	DATABASE NAME
Shoulders	**I_SHD1_WTH**	**InsideShoulder1Width**

DESCRIPTION AND PURPOSE OF ITEM

This item indicates, for <u>divided highways only</u>, the average width of:

1) the inside (median) shoulder when identifying only the predominant type, or

2) optionally, when identifying composite shoulder types, the inside (median) shoulder type immediately adjacent to the driving surface.

Shoulder Inside Width 1 is measured from the edge of pavement to the point where there is a change from shoulder slope to foreslope or, if using Method 2 above, a change in the shoulder surface type. Using either method, Shoulder Inside Widths 1 and 2, added together, must equal one-half the sum of the full inside shoulder widths from both the left and right sides of the median.

This information is used to determine highway cross sections for safety analysis and other special studies.

This item can be obtained from construction plans or, if plans are unavailable, field measurement. If in question, contact the district Bureau of Program Development.

CODE AND SCREEN ENTRY INSTRUCTIONS

A 2-digit number, right justified.

Enter the width and, if Shoulder Inside Width 1 is not uniform, record the average width.

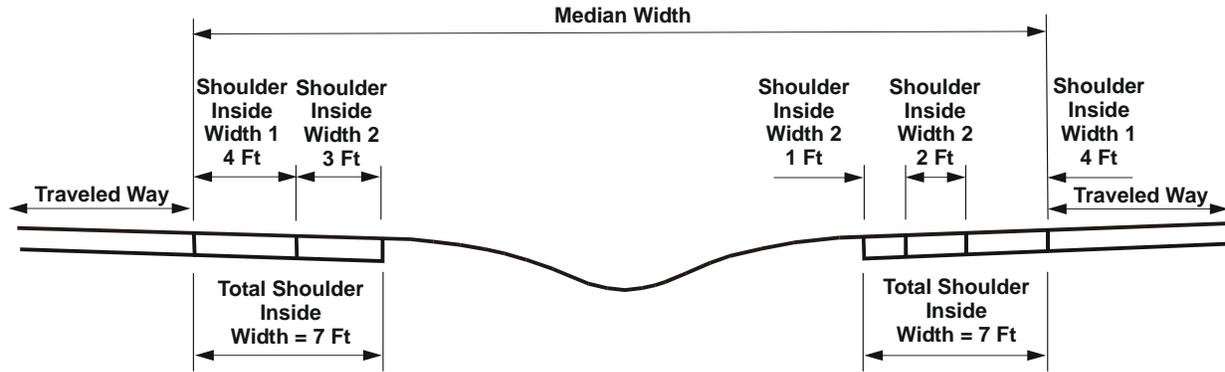Round dimension measurements down to the nearest foot.

If Shoulders Inside Type 1 (Item 22C) is curb and gutter or V-gutter, enter Zero.

Method 1:

      7 ft + 7 ft = 14 ft   14/2 = 7.0 ft   Shoulder Inside Width 1 = 7 ft
                                          * Shoulder Inside Width 2 = Zero

*When using Method 1, Shoulder Inside Width 2 (Item 21B) must be Zero.

Method 2:

      4 ft + 4 ft = 8 ft   8/2 = 4.0 ft   Shoulder Inside Width 1 = 4 ft
      3 ft + 1 ft + 2 ft = 6 ft   6/2 = 3.0 ft   Shoulder Inside Width 2 = 3 ft