ILLINOIS HIGHWAY INFORMATION SYSTEM
ROADWAY INFORMATION AND PROCEDURE MANUAL

ITEM NAME	**SHOULDER OUTSIDE TYPE 1**	ITEM NO. **22A**
		PAGE 1 of 2

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	**O_SHD1_TYP**	**OutsideShoulderType**

DESCRIPTION AND PURPOSE OF ITEM

This item indicates the shoulder type of:

1) the outside shoulder when identifying only the predominant type, or

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

If Shoulder Outside Type 1 on one side of the highway is different than the other side, and neither is predominate, use the lower numbered type code.

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 review. If in question, contact the district Bureau of Program Development.

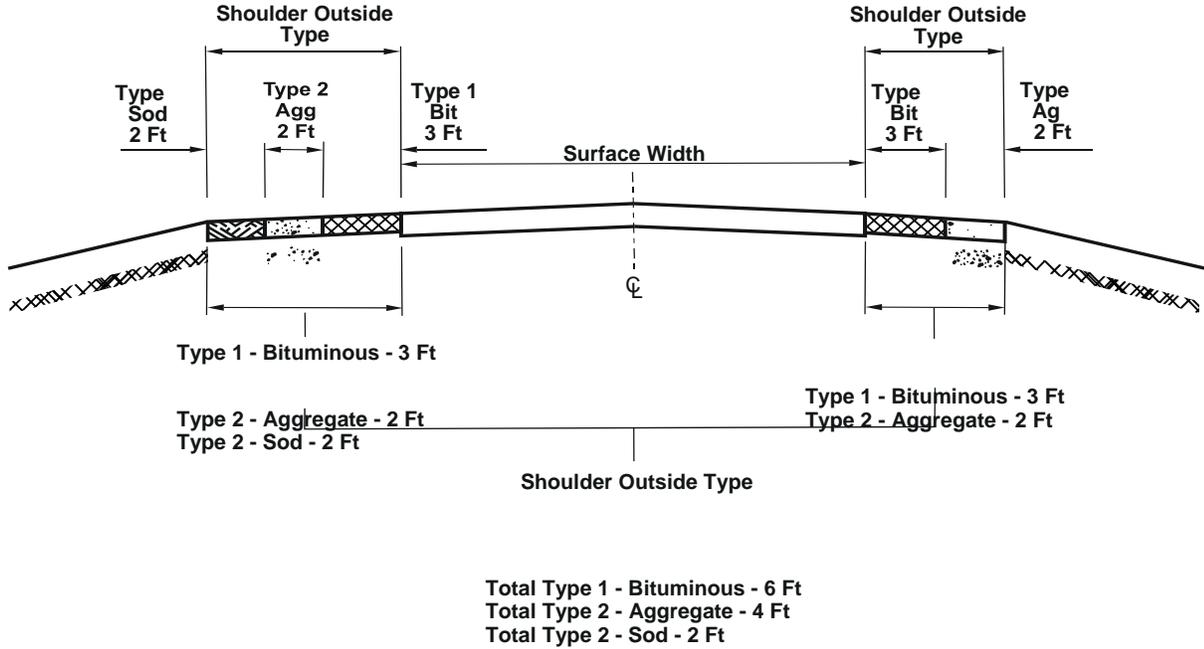### CODE AND SCREEN ENTRY INSTRUCTIONS

A 1-digit numeric code.

Code	Description
0	Not applicable
1	Earth - natural soil with neither turf nor 3 ft wide aggregate wedge on soil.
2	Sod - natural soil covered with turf, when the turf is not removed during regular maintenance operations.
3	Aggregate - gravel, shell, or granular material capable of supporting intermittent traffic loads under most weather condition.
4	Surface treated - treated with bituminous or other stabilizing admixtures.
5	Bituminous - a bituminous surface (includes 1 ft wide shoulder strips).
6	Concrete-untied - a Portland cement concrete surface that is not tied to the mainline pavement.
7	Concrete - tied - a Portland cement concrete surface that is tied to the mainlane pavement.
8	"V" Gutter
9	Curb and Gutter

Shoulder Outside Type

Type Sod 2 Ft **Type 2 Agg 2 Ft** **Type 1 Bit 3 Ft**   **Surface Width**   **Type Bit 3 Ft** **Type Ag 2 Ft**

Shoulder Outside Type

ℂ

Type 1 - Bituminous - 3 Ft

Type 1 - Bituminous - 3 Ft
Type 2 - Aggregate - 2 Ft

Type 2 - Aggregate - 2 Ft
Type 2 - Sod - 2 Ft

Shoulder Outside Type

Total Type 1 - Bituminous - 6 Ft
Total Type 2 - Aggregate - 4 Ft
Total Type 2 - Sod - 2 Ft

Method 1:

       Shoulder Outside Type 1 = 5 - Predominantly Bituminous
  * Shoulder Outside Type 2 = 0 - Not Applicable

*When using Method 1, Shoulder Outside Type 2 (Item 22B) must be Zero.

Method 2:

       Shoulder Outside Type 1 = 5 - Predominantly Bituminous
       Shoulder Outside Type 2 = 3 - Predominantly Aggregate