

HISTORY KEPT YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	ILLINOIS HIGHWAY INFORMATION SYSTEM STRUCTURE INFORMATION AND PROCEDURE MANUAL		
NBIS REQUIRED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	ITEM NAME	APPROACH ROADWAY ALIGNMENT APPRAISAL	ITEM NO. 72 PAGE 1 of 1 EFF. DATE 07/01/07
ISIS			
RESPONSIBLE FOR UPDATE	District Local Roads	District Maintenance/Operations	
STRUCTURES	Local	State	
UPDATE SCREENS	(12) Inspection / Appraisals		(12) Inspection / Appraisals
INQUIRY SCREENS	(4) Inspection / Appraisals		(4) Inspection / Appraisals

DESCRIPTION AND PURPOSE OF ITEM

This item identifies those bridges that do not function properly or adequately due to the alignment of the approaches.

Code the rating based on the adequacy of the approach roadway alignment. It is not intended that the approach roadway alignment be compared to current standards but rather to the existing highway alignment. This concept differs from other appraisal evaluations. The establishment of set criteria to be used at all bridge sites is not appropriate for this item. The basic criteria are how the alignment of the roadway approaches to the bridge relate to the general highway alignment for the section of highway that the bridge is on.

The individual structure is to be rated in accordance with the general appraisal rating guide given with the composite discussion of Items 67-72 in lieu of specific design values.

The approach roadway alignment will be rated intolerable (a code of 3 or less) only if the horizontal or vertical curvature requires a substantial reduction in the vehicle operating speed from that on the highway section. A very minor speed reduction will be rated a 6, and when a speed reduction is not required, the appraisal code will be an 8. Codes may be selected between these general values. For example, if the highway section requires a substantial speed reduction due to vertical or horizontal alignment, and the roadway approach to the bridge requires only a very minor additional speed reduction at the bridge, the appropriate code would be a 6. This concept shall be used at each bridge site.

The following guidelines may be used as a means of determining the difference between a minor reduction and substantial reduction of operating speed:

- No reduction in the operating speed - Code as an "8"
- Minor reduction in operating speed - ≤ 9 mph (Code "4" or greater)
- Substantial reduction in operating speed - ≥ 10 mph (Code "3" or less)

The remaining codes between these general values should be applied at the inspector's discretion. NOTE: If the location is corrected by proper installation of a warning sign or lowered speed limit sign, the appraisal rating for this item should not be rated down.

Speed reductions necessary because of structure width and not due to alignment shall not be considered in evaluating this item.

An evaluation of each element (riding quality, settlement and structural condition) is determined and recorded using the scale 1 thru 5 on the Bridge Inspection Form. However, these individual elements' evaluation does not contribute to the overall appraisal rating of this item.

History is retained for this item based on each Inspection Date - Item 90.

CODE AND SCREEN ENTRY INSTRUCTIONS

A one-digit code.

Code a value from 0, 2 thru 9 in accordance with the previous discussion.