
From: MacClellan, Lee
Sent: Thursday, May 07, 2009 11:22 AM
To: Hudson, Joe
Subject: RE: Deviation for Horizontal Stopping Sight Distance and Shoulder Width

Shoulders widths should be the same whether it's a bridge or not. **Median** width can be different for bridges. When there is barrier that the barrier width extends two feet from the face of barrier as shy distance, which will decrease your available shoulder width. DM Section 710.05(1), page 710-6.

Thus...there is four feet from the edge of the fog stripe to the face of barrier measured with a tape measure. This translates into 2' of shy and 2' of shoulder.

apologies for the confusion.

Oh, and you were right about the P-1/Limited Access bit. Not all P roadways are L/A but it appears that P-1 always is.

From: Hudson, Joe
Sent: Thursday, May 07, 2009 9:20 AM
To: MacClellan, Lee
Subject: Deviation for Horizontal Stopping Sight Distance and Shoulder Width

Lee,

I have gone through and updated the Holgate curve deviation with standards according to P1 and added some additional narrative information about an increased left shoulder deviation. You said that bridges don't require the full standard shoulders that roadways do. Do you know where I can find this in the design manual? Also, the alternative for providing full shoulder widths was created for UMA standards but I think this alternative won't be valid anymore because it doesn't display the full ten foot left shoulders. Do you think I will have to create a new alternative? I don't think it is possible to fit the full standard cross-section of the bridge at any bearing without removing the Whatcom Yard or significantly modifying the SIG Yard.

Joe Hudson
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