
From: Hudson, Joe
Sent: Tuesday, May 12, 2009 2:48 PM
To: MacClellan, Lee
Subject: RE: median width & shy distance

Lee,

So according to figure 440-4 we need a median that is at least the width required for shoulders and barriers. I don't think that you need to provide shy distance on UMA roads when a traffic barrier over 2 feet is used. This is what the design manual states in 440.09:

When traffic barrier with a height of 2 feet or greater is used adjacent to the roadway, the minimum shoulder width from the edge of traveled way to the face of the traffic barrier is 4 feet. Additional width for traffic barrier shy distance (see Chapter 710) is normally not required on urban managed access highways.

Now that we are P1 I don't think this applies anymore. This doesn't explain why a inside shoulder width of 5.5 ft is being used however for UMA standards however. Seems like it could be 4 ft instead. Did you find out about if we might have a median deviation stemming from a non-standard?

Is the minimum median width 10+10+barrier
or
is it set by what what shoulders we use + including barrier width?

From: MacClellan, Lee
Sent: Monday, May 11, 2009 5:07 PM
To: Hudson, Joe
Subject: median width & shy distance

Per figure 440-4 (note 1), the minimum width is the width required for shoulders and barriers (including shy distance).

Shy distance: provide two feet of additional widening for shy distance when a barrier is to be installed in areas where...the shoulder width is less than 8 feet. (Ch 710.05(1)). What's the height of the barrier? If it's two feet or more, the minimum shoulder width has to be four feet.

Thank you,

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"If one learns from others but does not think, one will be bewildered. If, on the other hand, one thinks but does not learn from others, one will be in peril."
--K'ung-fu-tzu (Confucious)