DBT Geometerics **November 18, 2020 8:30am to Noon**

Day 1 AM Question an Answer Record

Source	Type	Identity	Timestamp	Content
Attendee	Question	Is this session proceeding (Unverified)	11/18/2020 13:31	...
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:42	Session is running currently
Moderator	Announcement (A	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:32	Welcome to Design Basic Training Geometrics
Attendee	Question	Will (Unverified)	11/18/2020 13:32	Is the training started yet?
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:42	Yes, we just started
Attendee	Question	Wioletta Bilan (Unverified)	11/18/2020 13:32	I do not see Join Button
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:38	If you are in the Q&A you are in the session. Nothing further is needed
Attendee	Question	Will (Unverified)	11/18/2020 13:32	*Has
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:44	It has started
Attendee	Question	Anonymous (Unverified)	11/18/2020 13:33	we can see the slides now. audio is good!
Moderator	Response	Julie Townsend	11/18/2020 13:44	thanks for joining us(we can see the slides now. audio is good!)
Attendee	Question	Anonymous (Unverified)	11/18/2020 13:33	is there a way I can call in? I do not have mic.
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:48	I will check. Please make sure you speakers are not muted. You may want to leave the session and rejoin and make sure you use the audio that is part of your computer(is there a way I can call in? I do not have mic.)
Attendee	Response	Anonymous (Unverified)	11/18/2020 13:54	using headphones. TY! :)(is there a way I can call in? I do not have mic.)
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:55	Glad you got it to work. We checked and there is not a call in number for attendees(is there a way I can call in? I do not have mic.)

Attendee	Question	Anonymous (Unverified)	11/18/2020 13:34	Link to the Wiki: http://mdotwiki.state.mi.us/design/index.php/Category:Design_Basic_Training#2020_GEOMETRICS
Attendee	Question	Anonymous (Unverified)	11/18/2020 13:36	The slides aren't advancing
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:46	Are you seeing them advance now? It appears to be working on our end(The slides aren't advancing)
Attendee	Response	Anonymous (Unverified)	11/18/2020 13:48	It looks good now. (The slides aren't advancing)
Moderator	Response	Julie Townsend	11/18/2020 13:49	Great. Enjoy the session(The slides aren't advancing)
Attendee	Question	Wioletta Bilan (Unverified)	11/18/2020 13:39	I do not see Join Button
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:40	If you are in the Q&A you have already joined(Wioletta Bilan (Unverified) asked "I do not see Join Button")
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:40	You don't need to do anything further to attend(Wioletta Bilan (Unverified) asked "I do not see Join Button")
Attendee	Question	Anonymous (Unverified)	11/18/2020 13:39	Can you tell us where to get the worksheets again? Thanks.
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 13:45	There is one pdf for today's and tomorrow's Powerpoint that includes the class exercises. It is posted on the web page/wiki page that was posted in this Q&A earlier
Moderator	Announcement	Julie Townsend	11/18/2020 13:41	Welcome to Design Basic Training Geometrics
Moderator	Announcement	Julie Townsend	11/18/2020 13:41	We are glad you could join us
Moderator	Announcement	Julie Townsend	11/18/2020 13:41	Plese use the Q&A for any questions
Moderator	Announcement	Julie Townsend	11/18/2020 13:41	I can also be reached by text at 517.256.3576
Moderator	Announcement	Julie Townsend	11/18/2020 13:42	Mark Shulick can be reached by text at 517.899.4313
Attendee	Question	Anonymous (Unverified)	11/18/2020 13:44	Link to the Wiki: http://mdotwiki.state.mi.us/design/index.php/Category:Design_Basic_Training#2020_GEOMETRICS
Attendee	Question	Anonymous (Unverified)	11/18/2020 13:46	Can you tell us where to get the worksheets again? Thanks.
Attendee	Question	Anonymous (Unverified)	11/18/2020 14:02	When can we use a Target Speed as our design speed? Do we have guidance or method for arriving at an appropriate Target Speed?
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 14:08	I will ask Bill for you when we get to the end of this section and he calls for questions. Thanks for your question(When can we use a Target Speed as our design speed? Do we have guidance or method for arriving at an appropriate Target Speed?)

Attendee	Question	Anonymous (Unverified)	11/18/2020 14:09	When can we use a Target Speed as our design speed? Do we have guidance or method for arriving at an appropriate Target Speed?
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 14:09	I will ask Bill for you at the end of this section when he calls for questions(When can we use a Target Speed as our design speed? Do we have guidance or method for arriving at an appropriate Target Speed?)
Moderator	Announcement	Mark Shulick (ShulickM@michigan.gov)	11/18/2020 14:14	Class materials for class excercises (later in the presentation) are available on the Wiki website link above.
Moderator	Announcement	Mark Shulick (ShulickM@michigan.gov)	11/18/2020 14:21	There is also a survey link on the wiki website above. Here's the link for your conventience. Please talk a moment to submit any comments about todays training and any future training needs... https://forms.microsoft.com/Pages/ResponsePage.aspx?id=h3D71Xc3rUKWaoku9HIl0TIgoBv-nwdGiQxrvxV8ZhRUQ0ZMUVYySVgzUFJSSkJZNVdaMUs4T08wUS4u
Moderator	Announcement	Julie Townsend	11/18/2020 14:38	We will resume at 9:55 am with Design Speed
Moderator	Announcement	Julie Townsend	11/18/2020 14:39	We are on our 15 minute break
Moderator	Announcement	Julie Townsend	11/18/2020 14:49	We are on break and will resume at 9:55 with Design Speed
Moderator	Announcement	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 14:50	This session acts like a DVR so it can be paused and restarted as needed during the session. The links will be active for about 60 days after the LIVE session.
Moderator	Announcement	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 14:50	Attendees can rewatch at any time. Only persons who attend the LIVE sessions will be eligile for CEH credits though.
Moderator	Announcement	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 14:52	A few weeks after this training, MP4s of sessions with closed captioning will be available to be viewed at any time. The MP4s will be posted on the DBT web site/wiki page
Moderator	Announcement	Julie Townsend	11/18/2020 14:54	We will get started at 9:55
Moderator	Announcement	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 14:55	Welcome back from break. We will continue with Mark Fisher on Design Speed
Attendee	Question	Anonymous (Unverified)	11/18/2020 15:00	When can we use a Target Speed as our design speed? Do we have guidance or method for arriving at an appropriate Target Speed?

Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 15:06	This may be a good question to talk with Mark and Bill about after the session.(When can we use a Target Speed as our design speed? Do we have guidance or method for arriving at an appropriate Target Speed?)
Attendee	Question	Anonymous (Unverified)	11/18/2020 15:06	Can you discuss how design speed is determined for freeway ramps?
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 15:15	Hopefully we answered your question adequately. If not please send in another message and/or feel free to discuss further with Mark or Bill after the session(Can you discuss how design speed is determined for freeway ramps?)
Attendee	Question	Anonymous (Unverified)	11/18/2020 15:15	Can you discuss how design speed is determined for freeway ramps?
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 15:16	Hopefully we addressed your question adequately. If not please, chat again here or feel free to contact Bill and/or Mark after this training session(Can you discuss how design speed is determined for freeway ramps?)
Attendee	Question	Anonymous (Unverified)	11/18/2020 15:27	Bill: You stated that the sight distance manual is based on AASHTO 2004. The definitions of the different signt distances you quote are from AASHTO 2011. Why the difference?
Attendee	Question	Anonymous (Unverified)	11/18/2020 15:35	Bill: You stated that the sight distance manual is based on AASHTO 2004. The definitions of the different signt distances you quote are from AASHTO 2011. Why the difference?
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 15:36	Thanks for your question. I will ask Bill when we get to the questions section(Bill: You stated that the sight distance manual is based on AASHTO 2004. The definitions of the different signt distances you quote are from AASHTO 2011. Why the difference?)
Moderator	Announcement	Julie Townsend	11/18/2020 15:39	We are moving to the class exercises
Moderator	Announcement	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 15:40	We will be silent while everyone is working. Feel free to ask questions in this Q& A as you work the exercises
Attendee	Question	Will (Unverified)	11/18/2020 15:41	In the HSO equation how is "S" computed?
Attendee	Response	Will (Unverified)	11/18/2020 15:43	where is the constant "S" found?(Will (Unverified) asked "In the HSO equation how is "S" computed?")

Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 15:45	Hopefully we answered your question. Thanks for interacting(Will (Unverified) asked "In the HSO equation how is "S" computed?")
Attendee	Response	Will (Unverified)	11/18/2020 15:45	it does, thank you!(Will (Unverified) asked "In the HSO equation how is "S" computed?")
Moderator	Announcement	Mark Shulick (ShulickM@michigan.gov)	11/18/2020 15:41	Here's the link to the WIKI website for class reference materials: http://mdotwiki.state.mi.us/design/index.php/Category:Design_Basic_Training#2020_GEOMETRICS
Attendee	Question	Will (Unverified)	11/18/2020 15:42	In the HSO equation how is "S" computed?
Moderator	Announcement	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 15:43	Please work on the class exercise and Bill will go over the solution at about 10: 52. If you need more time, message here. We are a little ahead of time
Moderator	Announcement	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 15:48	Please continue working on the exercise. Ask any questions you come across
Moderator	Announcement	Julie Townsend	11/18/2020 15:50	We have a couple more minutes on the class exercie
Moderator	Announcement	Julie Townsend	11/18/2020 15:52	We will resume with Bill going through the solution with us
Attendee	Question	Anonymous (Unverified)	11/18/2020 15:56	how can se the calc of question d, pleas
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:03	Thanks for your question and for making this session interactive(how can se the calc of question d, pleas)
Attendee	Question	Daniel (Unverified)	11/18/2020 15:57	For the previous problem question c) While calculating the HSO, what sight distance did we assume?
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:02	Thanks for your question and for making this session interactive(Daniel (Unverified) asked "For the previous problem question c) While calculating the HSO, what sight distance did we assume? ")
Attendee	Question	Anonymous (Unverified)	11/18/2020 15:58	i am getting an error when i click on the links to access sight distance guidelines
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:00	You may want to look up the references straight from the MDOT web site and not use the links (i am getting an error when i click on the links to access sight distance guidelines)
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:06	Sometimes It words better to do a 'control and click'(i am getting an error when i click on the links to access sight distance guidelines)

Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:07	Hopefully you have had luck getting to the reference materials now(i am getting an error when i click on the links to access sight distance guidelines)
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:00	Thanks
Attendee	Question	Daniel (Unverified)	11/18/2020 16:01	Thanks.
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:02	I noticed that answers are being rounded up or down and not on an exact decimal (for construction feasibility, I presume.) Should design values / answers be rounded up to the nearest foot, 5 feet or 10 feet?
Attendee	Question	Perkinsm12@michigan.gov (Unverified)	11/18/2020 16:03	For the HSO, is it preferred to round up, or keep the answer as close to the specific value of 12.5
Attendee	Question	Perkinsm12@michigan.gov (Unverified)	11/18/2020 16:03	For the HSO, is it preferred to round up, or keep the answer as close to the specific value of 12.5
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:04	For the HSO calculation, you should be in degree mode in order for it to work correct?
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:05	Thank you for your question and for interacting with the trainers(For the HSO calculation, you should be in degree mode in order for it to work correct?)
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:04	a. 50, b.45, c. 360, d. 9, e. 500 and 430
Attendee	Question	Perkinsm12@michigan.gov (Unverified)	11/18/2020 16:04	thank you
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:05	You are welcome(Perkinsm12@michigan.gov (Unverified) asked "thank you")
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:06	Oh yes, I understand. I was referencing the calculator mode. My apologies.
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:08	No worries. Thanks for interacting and making this session work well(Oh yes, I understand. I was referencing the calculator mode. My apologies.)
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:07	its taking me to the web link but the document doesn't exist at the link listed in reference document pdf
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:09	We have some web site quirks this week too. Sorry for your difficulties. Hopefully it will work soon(its taking me to the web link but the document doesn't exist at the link listed in reference document pdf)

Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:11	Maybe when we are on lunch you can download some of the needed reference documents. We will need to leave this session and rejoin on the PM link so you will have some time outside of the Teams environment(its taking me to the web link but the document doesn't exist at the link listed in reference document pdf)
Attendee	Question	Perkinsm12@michigan.gov (Unverified)	11/18/2020 16:10	We would use the larger value, correct?
Attendee	Question	Perkinsm12@michigan.gov (Unverified)	11/18/2020 16:10	P2, e)
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:12	so what is required do you use the recommended or minimum?
Attendee	Question	Perkinsm12@michigan.gov (Unverified)	11/18/2020 16:14	thank you
Moderator	Announcement	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:14	Thank you for all the questions and making this an very interactive session!
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:15	shouldn't we use 7.5+0.5 for left turn time gap
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:16	so if this was on a test and you had to choose one, what do you choose?
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:17	talking more about the design speed, do you use minimum or required
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:17	For future training sessions can you include a drawing/diagram of the intersection situations described in the examples?
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:18	shouldn't we use 7.5+0.5 for left turn time gap
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:21	For future training sessions can you include a drawing/diagram of the intersection situations described in the examples?
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:21	talking more about the design speed, do you use minimum or required
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:22	thanks
Moderator	Response	Julie Townsend	11/18/2020 16:22	You are welcome(thanks)
Moderator	Response	Julie Townsend	11/18/2020 16:22	Thanks again for interacting with the trainers(thanks)
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:24	The example had a median. Do you account for the median widith in the left turn movement?
Attendee	Response	Anonymous (Unverified)	11/18/2020 16:27	Ok thanks for the explanation about median storage.(The example had a median. Do you account for the median widith in the left turn movement?)
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:25	The example had a median. Do you account for the median widith in the left turn movement?

Attendee	Question	Anonymous (Unverified)	11/18/2020 16:26	so if there is no storage in the median is it approximately 0.5 secs for 12 feet
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:27	so if there is no storage in the median is it approximately 0.5 secs for 12 feet
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:34	what fmax value is assumed in straightline and R107?
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:35	what fmax value is assumed in straightline and R107?
Moderator	Response	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:35	Thank you for your question. I will ask Mark at the Questions phase(what fmax value is assumed in straightline and R107?)
Attendee	Question	Will (Unverified)	11/18/2020 16:42	Why is this SSD equation different than before?
Attendee	Response	Will (Unverified)	11/18/2020 16:43	Wait I think I understand now(Will (Unverified) asked "Why is this SSD equation different than before?")
Attendee	Question	Perkinsm12@michigan.gov (Unverified)	11/18/2020 16:44	the formula is just rearranged
Attendee	Question	Anonymous (Unverified)	11/18/2020 16:45	Did I hear correctly that no design exception or variance is required for not meeting the minimum horizontal curve length?
Moderator	Announcement	Julie Townsend	11/18/2020 16:48	We are breaking for lunch
Moderator	Announcement	Julie Townsend	11/18/2020 16:48	We will resume at 1 pm with Vertical Alignment
Moderator	Announcement	Julie Townsend (TownsendJ@michigan.gov)	11/18/2020 16:49	You will need to leave this session and rejoin at 1 pm on the pm link
Moderator	Announcement	Julie Townsend	11/18/2020 16:49	Hope to see anyone back at 1 pm