

Shuler,Dana

From: Shuler,Dana
Sent: Monday, April 21, 2014 2:26 PM
To: 'Cathey, Ryan'
Cc: Russ Watts; Rick Everson; Andersen,Jared
Subject: RE: K value

Ryan,

While we are willing to accept your proposal of posting 15 mph speed limit signs with a design speed of 20 mph on the private roads, we maintain that we believe people will travel these private streets faster. The signage will need to be shown on your revised set of plans.

Regarding Spring Park, you may reduce the k-values to the values recommended for 30 mph design speed.

Please let me know if you have any questions.

Thanks,

Dana

From: Cathey, Ryan [<mailto:Ryan.Cathey@nv5.com>]
Sent: Friday, April 18, 2014 9:51 AM
To: Shuler,Dana
Cc: Russ Watts; Rick Everson; Andersen,Jared
Subject: RE: K value

Dana

We would like to post a speed limit of 15-20MPH for these roadways.

Would that make alleviate your concerns?

Regarding the steep downgrades note we will consider this as we fine tune the design revisions. The difference in minimum K-value between low-risk and high-risk is fairly insignificant at the proposed design speed.

Please let me know about the signage.

Thanks

Ryan Cathey, PE | Engineering Manager | www.NV5.com

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From: Shuler,Dana [<mailto:dshuler@co.weber.ut.us>]
Sent: Wednesday, April 16, 2014 5:16 PM
To: Cathey, Ryan
Cc: Russ Watts; Rick Everson; Andersen,Jared
Subject: RE: K value

Ryan,

After discussing with Jared, we feel like the design speed of 20 is too low. County ordinance lists a default speed limit of 25 for unposted roads. Then assume people will travel faster, more like 30-35. Based on the roads, we think people will

be traveling more in the 30 mph range. I would also advise you to consider note (2), on page 39 of the AASHTO Design Guidelines, defining what constitutes “higher risk”, particularly the “steep downgrade” part.

I didn’t look at the sags in detail.

Your thoughts?

Thanks,

Dana

From: Cathey, Ryan [<mailto:Ryan.Cathey@nv5.com>]

Sent: Wednesday, April 16, 2014 2:57 PM

To: Shuler,Dana

Cc: Russ Watts; Rick Everson

Subject: RE: K value

Dana

See attached PDF of the K Value exhibit that we submitted in the meeting today.

Ryan Cathey, PE | Engineering Manager | www.NV5.com

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From: Shuler,Dana [<mailto:dshuler@co.weber.ut.us>]

Sent: Tuesday, March 25, 2014 4:15 PM

To: Cathey, Ryan

Cc: Russ Watts

Subject: K value

Ryan,

Can you please provide me with a summary of each curve including the projected ADT, the design speed, “lower” or “higher” risk designation, and the proposed K value?

Thanks,

Dana

Dana Q. Shuler, P.E.

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