

From: [Jennifer Lange \(x6542\)](#)
To: [Turcott, Mike \(UTC\)](#)
Subject: RE: Spanish Castle Proposed QZ
Date: Tuesday, August 10, 2021 12:49:32 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[21_0701 CRP 945 QZ Diag Mtg Notes.pdf](#)

External Email

Mr. Turcott –

At the on-site meeting issues with the Quiet Zone Calculator were discussed and included in the summary (full notes attached and snippet) below:

J. Lange (DC) conveyed that she has been able to run the improvement through the Quiet Zone Calculator, but was having some difficulty in running the “pre-existing” condition. J. Stewart (FRA) noted that since the improvements were in place, that inclusion of the pre-existing Quiet Zone Calculations seemed unwarranted.

Below is a snippet of the Quiet Zone Risk Index, although, my proficiency with the QZ Risk Index calculation is quiet limited, any comments / review would be appreciated.

Crossing	Street	Traffic	Warning Device	Pre-SSM	SSM	Risk	
065809D	SPANISH CASTLE RD	693	Gates	0	9	1,646.19	<input type="button" value="MODIFY"/>

* Only Public At Grade Crossings are listed.

ALERT: Quiet Zone qualifies because SSM has been applied in each crossing.

Click for [Supplementary Safety Measures \[SSM\]](#)

Click for ASM spreadsheet: * Note: The use of ASMs requires an application to and approval from the FRA.

Summary	
Proposed Quiet Zone:	DC Spanish Castle Road 065809D
Type:	New 24-hour QZ
Scenario:	DC SPANISH_64744
Estimated Total Cost:	\$295,000.00
Nationwide Significant Risk Threshold:	15488 .00
Risk Index with Horns:	12336.56
Quiet Zone Risk Index:	1646.19
<input type="button" value="Select"/>	

If additional information is needed, please let me know and I will work at compiling any information requested.

Thank you,

Jennifer Lange, P.E.
 Assistant County Engineer

140 19TH ST NW SUITE A
 EAST WENATCHEE WA 98802
PHONE: (509) 884-7173
E-MAIL: JLANGE@CO.DOUGLAS.WA.US

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From: Turcott, Mike (UTC) <mike.turcott@utc.wa.gov>
Sent: Tuesday, August 10, 2021 12:37 PM
To: Jennifer Lange (x6542) <jlange@co.douglas.wa.us>
Subject: Spanish Castle Proposed QZ

[EXTERNAL MESSAGE]

Hi Jennifer,

Douglas County's notice of intent refers to the Quiet Zone Risk Index calculations. Can you please provide those calculations (or a screen shot) for the crossing both before and after installation of the SSMS?

Mike Turcott

Transportation Planning Specialist
Rail Safety Section
360-664-1119
mike.turcott@utc.wa.gov
www.utc.wa.gov



This email states the informal opinion of commission staff, offered as technical assistance, and is not intended as legal advice. We reserve the right to amend these opinions should circumstances change or additional information be brought to our attention. Staff's opinions are not binding on the commission.