

NEW JERSEY DEPARTMENT OF TRANSPORTATION

RIDE QUALITY REQUIREMENTS (RQR) SOFTWARE

Version: 4.31

Information last updated on: December 13, 2021

GUIDELINES FOR ENTERING LOCALIZED FACTORS

IMPEDIMENTS (IM)

- 1 IMs are utility covers, manholes, catch basins, inlets, and any other feature that may cause poor ride quality.
- 2 Enter approximate location of the IM. Length/diameter of the manhole/inlet/utility covers is not required. RQR will add the appropriate threshold length for each IM entered.
- 3 All IMs should be counted no matter the distance between the IMs. For example, if there is any combination of IMs at one location, enter the location of each IM.
- 4 If the travel lane is paved with the adjacent shoulder or parking lane, all IMs located in the shoulder or parking lane are to be counted as IMs in the travel lane.

Note: Unmarked shoulder is additional area adjacent to the travel way and is used for parking without the use of striping.

SHORT SECTION (SS)

- 1 SSs are measured locations where difficulties exist to achieve the target International Roughness Index (IRI), for example: intersections and turn lanes.
- 2 Enter actual limits of the short section to be considered for exclusion. RQ Exclusions will add the threshold length of the SS to the length of the short section.

STRUCTURE (SR)

- 1 SR is any bridge structure where the approach slabs are paved.
- 2 Enter approximate locations of SR.
- 3 RQR will add the threshold length for each entered structure. If there are multiple lanes on the SR, enter the location for each lane separately.

TRANSEVERSE JOINT (TJ)

- 1 TJs are breaks in the continuous paving operation.
- 2 Enter TJ for every break in the paving operation. RQR will add the threshold length for each entered TJ.
- 3 Do not enter "TJ" for construction joint at the end of a day's paving operation.
- 4 Do not enter "TJ" for the joints at the beginning or end of the project because it is automatically added by software.
- 5 If any approach of a bridge deck is not being paved and causing break in continue paving operation, enter "TJ".
- 6 Enter "TJ" for change in surface course thickness or mix.
- 7 Do not enter "TJ" for change in milling depth.

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RAIL ROAD (RR)

- 1 RR is any railroad crossing in transverse direction that are excluded from rest of the project due to difficulties associated with achieving target IRI because of the break in continual paving operation.
- 2 Enter RR for rail road. RQR will add the threshold length similar to TJ.
- 3 Enter "RR" for each lane separately. For Example: If any project has three lanes at location of RR crossing, enter "RR" for Lane 1, Lane 2 and Lane 3 separately.

NOTE:- If you prefer to enter localized factors based on number of counts, use above guide lines to determine number of impediments, structures and length of short sections. You are advised to save survey sheet for future review.

For any question, send email to RQSPECSUPPORT@DOT.STATE.NJ.US