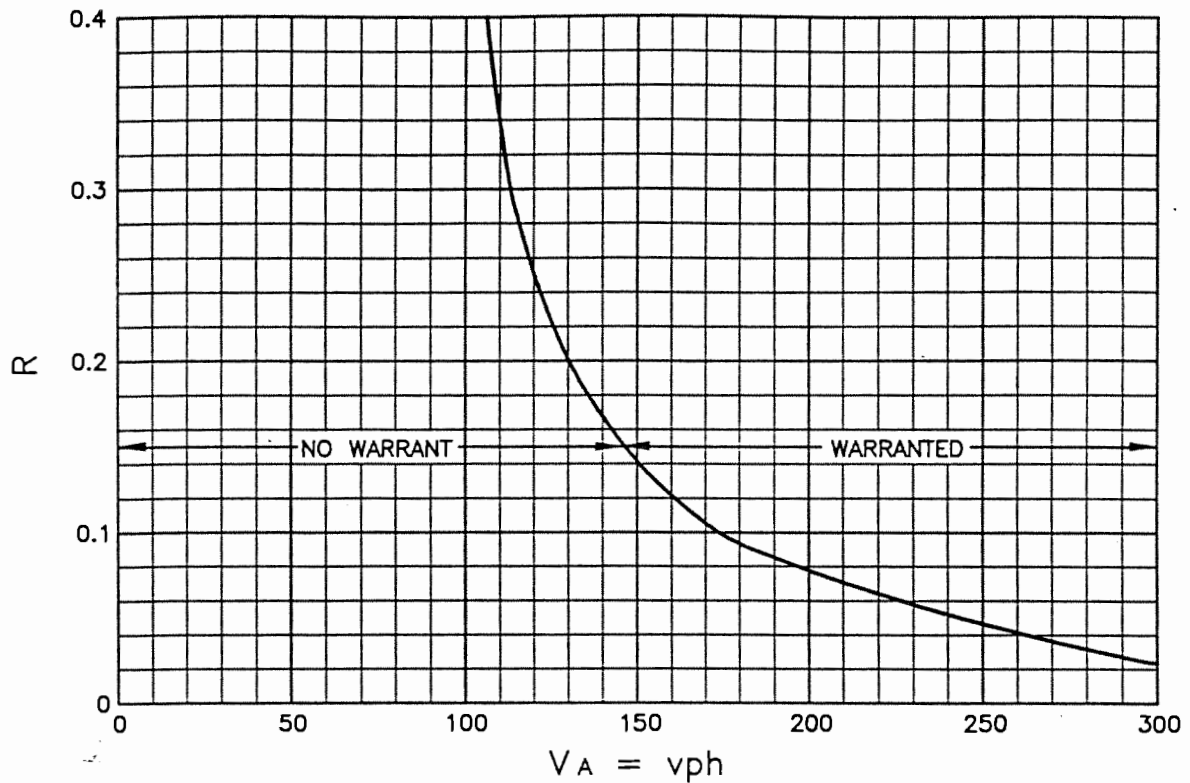




Warrants are based on Design Hourly Volumes

V_A = Advancing Volume, includes Volume Right and Volume Left unless exclusive left turn lane.

V_R = Right Turn Volume, vph.

$$R = V^R / V^A$$

Warrants: NON FLARED INTERSECTION – Provide 3.7 m turning lane.

FLARED INTERSECTION – Lengthen deceleration lane to meet the right turn lane standard.



Saskatchewan
Highways and
Transportation

WARRANTS FOR RIGHT TURN LANES RURAL HIGHWAYS

RECOMMENDED BY:	<i>Richard</i>	DIRECTOR TECH. STDS. & POLICIES	DATE	95.12.24	STANDARD PLAN NO	20614
APPROVED BY:	<i>[Signature]</i>	ASSIST. DEPUTY MINISTER OPERATIONS DIVISION	DATE	95-02-28	SHEET	1 of 2

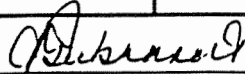
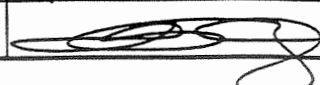
NOTES:

1. Right turn lanes are warranted at the following locations:
 - intersections with other Provincial Highways.
 - Industrial Access Roads.
 - Provincial Campgrounds and Picnic Sites.
2. Use corrected peak hourly volumes (vph) projected to the 10th year after the proposed construction date. Refer to correction factors under DM 502-3 for further information.
3. Normally 0.6 m shoulder will be provided on turning lane.
4. 1.5 m shoulder may be provided on divided highways and at intersections where truck volumes are higher than normal, for example, at scale sites and access to industrial sites generating heavy truck volumes.
5. Length of the turning lane will be related to highway design speed and turning speed. See Standard Plan No. 20618.
6. For 4 lane highways, the advancing volume should be based on 50% of the total directional volume (vph) or 25% of the total volume (where directional split is not a factor), with no further reduction for left turn vehicles.



Saskatchewan
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WARRANTS FOR RIGHT TURN LANES
RURAL HIGHWAYS

RECOMMENDED BY:		DIRECTOR TECH. STDS. & POLICIES	DATE	95-02-24	STANDARD PLAN NO	20614
APPROVED BY:		ASSIST. DEPUTY MINISTER OPERATIONS DIVISION	DATE	95-02-28	SHEET	2 of 2

LAST REV DATE: FEB.14,1995

1-2

ACAD DW