

Table 4-2: 3R Design Guidelines for Rural Two-Lane Highways^a

(Metric)			
Design Element	Current Average Daily Traffic		
-	0 – 400	400 – 1500	1500 or more
Design Speed ^b	50 km/h	50 km/h	60 km/h
Shoulder Width	0 m	0.3 m	0.9 m
Lane Width	3.0 m	3.3 m	3.3 m
Surfaced Roadway	6.0 m	7.2 m	8.4 m
Turn Lane Width ^c	3.0 m	3.0 m	3.0 m
Horizontal Clearance	2.1 m	2.1 m	4.9 m
Bridges ^d : Width to be retained	6.0 m	7.2 m	7.2 m ^e

^a These values are intended for use on rehabilitation projects. However, the designer may select higher values to provide consistency with adjoining roadway sections, to provide consistency with prevailing conditions on similar roadways in the area or to provide operational improvements at specific locations.

^b Considerations in selecting design speeds for the project should include the roadway alignment characteristics as discussed in this chapter.

^c For two-way left turn lanes, 3.3 m - 4.2 m usual.

^d Where structures are to be modified, bridges should meet approach roadway width as a minimum. (Approach roadway width is the total width of the lanes and shoulders.) Greater bridge widths may be appropriate if the rehabilitation project increases roadway life significantly or if higher design values are selected for the remainder of the project. Existing structure widths less than those shown may be retained if the total lane width is not reduced across or in the vicinity of the structure.

^e For current ADT exceeding 2000, minimum width of bridge to be retained is 8.4 m.