



VALUES FOR LENGTH OF ROADSIDE TRAVEL

Average Daily Traffic (ADT)	Design Speed < 45	Design Speed > 45
ADT < 750	$L_{RT} = 150$	$L_{RT} = 200$
ADT > 750	$L_{RT} = 190$	$L_{RT} = 250$

CZ = CLEAR ZONE WIDTH

CZ_{SB} = CLEAR ZONE FOR SOUTHBOUND TRAFFIC

CZ_{NB} = CLEAR ZONE FOR NORTHBOUND TRAFFIC

L_{RT} = LENGTH OF ROADSIDE TRAVEL

D_{SB} = DISTANCE FROM EDGE OF SOUTHBOUND TRAVEL LANE TO FAR SIDE OF AREA OF CONCERN OR TO OUTSIDE EDGE OF CLEAR ZONE WHICHEVER IS LEAST.

D_{NB} = DISTANCE FROM EDGE OF NORTHBOUND TRAVEL LANE TO FAR SIDE OF AREA OF CONCERN OR TO OUTSIDE EDGE OF CLEAR ZONE WHICHEVER IS LEAST.

L_U = GUARD FENCE LENGTH UPSTREAM OF AREA OF CONCERN

L_P = GUARD FENCE LENGTH PARALLEL TO AREA OF CONCERN

L_D = GUARD FENCE LENGTH DOWNSTREAM FROM AREA OF CONCERN

L_{TOTAL} = LENGTH OF GUARD FENCE NEEDED ($L_U + L_P + L_D$)