

Beckermert

85th Percentile Speed Survey Summary

Survey Start: Thursday 29th September 2022

Day	Direction of Travel	
	SE bound	NW bound
Thursday	28.5	27.4
Friday	29.8	28.0
Saturday	29.8	28.8
Sunday	30.5	29.2
Monday	28.9	27.8
Tuesday	28.3	27.6
Wednesday	28.5	27.9
Average 85th %ile	29.2	28.1
Average 85th %ile	47	45
Visi Splay (m)	41	39

Speeds in Mph

Speeds in Kph

From MfS

Note: The visibility splay is plotted in the opposite direction to the direction of travel.

Formula from Manual for Streets for Calculating SSD

$$SSD = vt + v^2 / 2d$$

v = speed (m/s)

t = driver preception-reaction time (s)

d = deceleration (m/s²)

SE bound

29 mph = 13

1.5 s

4.41 m/s²

$$SSD = vt + v^2 / 2d$$

SSD = 39 m

Adjusted for bonnet (SSD + 2.4m) =

41 m

NW bound

28 mph = 13

1.5 s

4.41 m/s²

$$SSD = vt + v^2 / 2d$$

SSD = 37 m

Adjusted for bonnet (SSD + 2.4m) =

39 m