



Northbound	Southbound
85%ile : 39.10 mph 62.91 kph	85%ile : 37.80 mph 60.82 kph
$SSD=vt+v^2/2(d+0.1a)$	$SSD=vt+v^2/2(d+0.1a)$
where: v = speed (m/s) t = driver reaction time (s) d = deceleration (m/s ²) 1kph= 0.278 m/s	where: v = speed (m/s) t = driver reaction time (s) d = deceleration (m/s ²) 1kph= 0.278 m/s
v= 17.48 t= 2 d= 3.68 a= 0	v= 16.89 t= 2 d= 3.68 a= 0
vt= 34.95 v ² = 305.39 2(d+0.1a)= 7.36	vt= 33.79 v ² = 285.42 2(d+0.1a)= 7.36
SSD= 76.44 m plus 2.4 78.84 inc bonnet length	SSD= 72.57 m plus 2.4 74.97 inc bonnet length

ONLY SCALE FOR PLANNING PURPOSES

- Notes:
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 - A week-long ATC traffic survey was completed at South Street by K&M Traffic Surveys LTD on March 14th 2025, monitoring and recording 85th percentile speeds in both directions. The recorded average speed data of 39.1mph northbound and 37.8mph southbound will be used to inform the required visibility splays for the proposed access using standardised calculations from Manual for Streets 2.

P1	25.03.25	HL	First Issue	JM	JM
REV	DATE	BY	DESCRIPTION	CHK	APD

client
ESQUIRE DEVELOPMENTS LTD

project
BLACKTHORN FARM, MEOPHAM

title
PROPOSED ACCESS ARRANGEMENT

project 35076		drwg H-01		rev P1
Drawn HL	Checked JM	Approved JM	scale @ A3 1:500	date 25.03.2025
status FOR INFORMATION				P



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