

Using Modified PV² method to Assess Pedestrian Crossing Justification - Fortis Green Site 2

Crossing Movements from 02/07/2025

Survey Periods	Adults (1)		Under 16s (4)		Over 65s (4)		Disabled (6)		Total with Weighting
	Count	Weighted	Count	Weighted	Count	Weighted	Count	Weighted	
08:00 to 09:00	37	37	16	64		0	1	6	107
15:00 to 16:00	30	30	13	52		0		0	82
16:00 to 17:00	31	31	15	60		0		0	91
17:00 to 18:00	40	40	17	68		0	1	6	114

Eastbound Traffic from : 02/07/2025

Survey Periods	Vehicle Count
08:00 to 09:00	265
15:00 to 16:00	349
16:00 to 17:00	329
17:00 to 18:00	360

Westbound Traffic from : 02/07/2025

Survey Periods	Vehicle Count
08:00 to 09:00	447
15:00 to 16:00	381
16:00 to 17:00	323
17:00 to 18:00	365

Combined Traffic from : 02/07/2025

Survey Periods	Vehicle Count
08:00 to 09:00	712
15:00 to 16:00	730
16:00 to 17:00	652
17:00 to 18:00	725

Total road width, taken as a single crossing point in the middle of the Sector, is 9.10
Hence, difficulty rating is Rd Width divided by 7.3, equalling 1.247
No. of recorded accidents in last 3 years (If none value is 1). 3

Combined ADPV²:

Survey Periods	A	D	P	V	ADPV ²	ADPV ²
08:00 to 09:00	3	1.247	107	712	202,853,989	2.029 x10⁸
09:00 to 10:00	3	1.247	82	730	163,417,800	1.634 x10⁸
15:00 to 16:00	3	1.247	91	652	144,669,297	1.447 x10⁸
16:00 to 17:00	3	1.247	114	725	224,089,058	2.241 x10⁸

mean: 183,757,536 **1.838 x10⁸** Signal Controlled Crossing F

Values for which signal-controlled crossing is recommended: 1.0 x10⁸ or higher
Values for which signal-controlled crossing should be considered: 0.7 x10⁸ - 1.0 x10⁸
Values for which zebra or refuge island are recommended: 0.2 x10⁸ - 0.7 x10⁸