

Vehicle Trip Budget Topic Paper

Submission Document

Medway Council

Regulation 22
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Contents

Contents	2
1 Introduction	3
1.1 Definition and purpose	3
1.2 Background.....	3
2 Vehicle Trip Budget	4
2.1 Mode Shares and Trip Rate Assessment Tool	4

Appendix: Mode Shares and Trip Rate Assessment Tool

1 Introduction

1.1 Definition and purpose

- 1.1.1 Topic papers set out written material produced by the local planning authority to be submitted with a local plan for examination.
- 1.1.2 The purpose of this Topic Paper is to set out a vehicle trip budget as per paragraph 9.2.3 of the Medway Local Plan 2041 - Proposed Submission Draft, Regulation 19 (June 2025).

1.2 Background

- 1.2.1 The Strategic Transport Assessment (STA) informed the preparation of the Medway Local Plan 2041. It involved iterative assessments of cumulative impacts associated with committed development and future development up to 2041. The STA has identified what and when mitigations will be required. The STA was published in June 2025, along with other evidence base work.
- 1.2.2 The STA was tailored to meet the requirements of National Highways and the neighbouring local transport authority, Kent County Council. It is the basis for statements of common ground with prescribed bodies.
- 1.2.3 As part of the STA, the 'Mode Shares and Trip Rate Assessment Tool (Stages 1 and 2)' and the 'Mode Share Strategy (Stage 3)' identified site allocations with opportunities to reduce the number of car trips and the potential interventions, such as a Bus Rapid Transit scheme.
- 1.2.4 The STA provides a foundation for an emerging Local Transport Plan.

2 Vehicle Trip Budget

2.1 Mode Shares and Trip Rate Assessment Tool

- 2.1.1 The 'Mode Shares and Trip Rate Assessment Tool (Stages 1 and 2)' defines a vehicle trip budget in the '*Site Info tab.*'
- 2.1.2 The outputs of the Tool are presented in the Appendix of this document, while the spreadsheet itself is available on request.
- 2.1.3 Appendix A of the 'Mode Shares and Trip Rate Assessment Tool (Stages 1 and 2)' sets out instructions for users.

Appendix

Mode Shares and Trip Rate Assessment Tool

"Site info" tab

ID		Group	Development Information			Network Inputs			AM Peak (08:00 - 09:00)						PM Peak (17:00 - 18:00)					
Site_ID	Reference (Plan)	Group	HH, Dwellings	No Jobs	HH + Jobs	Location	Explicitly	Final Zone	Trip Rate			Trip Generation			Trip Rate			Trip Generation		
									Destinatic	Origins (D	Two-Way	Destinatic	Origins (D	Two-Way	Destinatic	Origins (D	Two-Way	Destinatic	Origins (D	Two-Way
2063	SNF15	1	350.00	0.00	350.00	Town Centre	Y	400033	0.05	0.13	0.18	17.5	43.8	61.3	0.18	0.20	0.38	61.3	70.0	131.3
2016	SNF41	1	216.00	0.00	216.00	Edge of Town Centre	Y	400006	0.04	0.19	0.23	9.3	40.8	50.1	0.17	0.08	0.25	36.7	17.7	54.4
2017	SNF35	1	171.00	0.00	171.00	Neighbourhood Centre	Y	400007	0.00	0.11	0.11	0.0	19.0	19.0	0.22	0.00	0.22	38.0	0.0	38.0
2079	SNF34	1	52.00	0.00	52.00	Town Centre		115001	0.05	0.13	0.18	2.6	6.5	9.1	0.18	0.20	0.38	9.1	10.4	19.5
2003	SNF9	1	40.00	0.00	40.00	Town Centre		115001	0.05	0.13	0.18	2.0	5.0	7.0	0.18	0.20	0.38	7.0	8.0	15.0
2077	SNF8	1	19.00	0.00	19.00	Town Centre		115000	0.05	0.13	0.18	1.0	2.4	3.3	0.18	0.20	0.38	3.3	3.8	7.1
2061	SNF20	1	15.00	0.00	15.00	Edge of Town Centre		110025	0.04	0.19	0.23	0.6	2.8	3.5	0.17	0.08	0.25	2.6	1.2	3.8
2092	SNF38	1	12.00	0.00	12.00	Town Centre		110022	0.12	0.39	0.51	1.4	4.7	6.1	0.37	0.19	0.56	4.5	2.2	6.7
2075	SNF30	1	9.00	0.00	9.00	Town Centre		115001	0.05	0.13	0.18	0.5	1.1	1.6	0.18	0.20	0.38	1.6	1.8	3.4
2022	AS25	2	34.00	0.00	34.00	Neighbourhood Centre		110002	0.14	0.30	0.44	4.7	10.1	14.8	0.27	0.14	0.41	9.2	4.8	14.0
2042	AS28	2	9.00	0.00	9.00	Neighbourhood Centre		110002	0.14	0.30	0.44	1.3	2.7	3.9	0.27	0.14	0.41	2.4	1.3	3.7
2045	AS21	3	50.00	0.00	50.00	Neighbourhood Centre		110001	0.14	0.30	0.44	7.0	14.8	21.8	0.27	0.14	0.41	13.6	7.1	20.6
4014	RN9	4	800.00	0.00	800.00	Edge of Town Centre	Y	400063	0.14	0.29	0.43	110.40	232.80	343.20	0.28	0.17	0.45	226.4	136.0	362.4
2012	HHH26	5	760.00	0.00	760.00	Neighbourhood Centre	Y	400002	0.14	0.30	0.44	105.6	225.0	330.6	0.27	0.14	0.41	206.0	107.2	313.1
2019	HHH29	5	55.00	0.00	55.00	Neighbourhood Centre		115002	0.14	0.30	0.44	7.6	16.3	23.9	0.27	0.14	0.41	14.9	7.8	22.7
2025	AS6	5	40.00	0.00	40.00	Neighbourhood Centre		115021	0.14	0.30	0.44	5.6	11.8	17.4	0.27	0.14	0.41	10.8	5.6	16.5
4005	HHH15	5	5.00	0.00	5.00	Neighbourhood Centre		115002	0.14	0.30	0.44	0.70	1.48	2.18	0.27	0.14	0.41	1.4	0.7	2.1
2000	AS2	5	4.00	0.00	4.00	Neighbourhood Centre		115021	0.14	0.30	0.44	0.6	1.2	1.7	0.27	0.14	0.41	1.1	0.6	1.6
2058	SR4	6	130.00	0.00	130.00	Neighbourhood Centre	Y	400030	0.14	0.30	0.44	18.1	38.5	56.6	0.27	0.14	0.41	35.2	18.3	53.6
4015	SR14	6	62.00	0.00	62.00	Neighbourhood Centre		110006	0.14	0.30	0.44	8.62	18.35	26.97	0.27	0.14	0.41	16.8	8.7	25.5
2035	SR7	6	44.00	0.00	44.00	Neighbourhood Centre		110006	0.14	0.30	0.44	6.1	13.0	19.1	0.27	0.14	0.41	11.9	6.2	18.1
2043	RN30	7	90.00	0.00	90.00	Edge of Town		110103	0.12	0.39	0.51	10.5	35.5	46.0	0.37	0.19	0.56	33.4	16.8	50.2
2044	RN31	7	80.00	0.00	80.00	Edge of Town		110103	0.12	0.39	0.51	9.4	31.5	40.9	0.37	0.19	0.56	29.7	15.0	44.6
2002	RN29	7	14.00	0.00	14.00	Suburban Area		110103	0.12	0.39	0.51	1.6	5.5	7.2	0.37	0.19	0.56	5.2	2.6	7.8
2069	RN22	7	8.00	0.00	8.00	Town Centre		110102	0.12	0.39	0.51	0.9	3.2	4.1	0.37	0.19	0.56	3.0	1.5	4.5
2161	RWB5	8	0.00	100.00	100.00	Edge of Town	Y	400052	0.71	0.21	0.92	26.14	7.72	33.86	0.12	0.81	0.93	4.3	30.0	34.2
2008	CHR14	9	49.00	0.00	49.00	Neighbourhood Centre		110117	0.14	0.30	0.44	6.8	14.5	21.3	0.27	0.14	0.41	13.3	6.9	20.2
2162	CHR18	10	0.00	95.00	95.00	Town Centre		110045	0.94	0.04	0.98	33.01	1.33	34.34	0.11	0.79	0.91	4.0	27.7	31.7
2163	CHR17	10	0.00	397.00	397.00	Town Centre	Y	400054	0.94	0.04	0.98	137.68	5.55	143.23	0.11	0.79	0.91	16.5	115.6	132.1
2164	CHR16	10	0.00	688.00	688.00	Town Centre	Y	400055	0.94	0.04	0.98	238.58	9.61	248.19	0.11	0.79	0.91	28.6	200.4	229.0
4007	SW6	11	6.00	0.00	6.00	Suburban Area		110041	0.12	0.39	0.51	0.70	2.36	3.07	0.37	0.19	0.56	2.2	1.1	3.3
2148	SNF44	12	6.00	0.00	6.00	Suburban Area		110022	0.12	0.39	0.51	0.7	2.4	3.1	0.37	0.19	0.56	2.2	1.1	3.3
2014	SR37	13	428.00	0.00	428.00	Suburban Area	Y	400004	0.05	0.18	0.23	21.4	77.9	99.3	0.15	0.08	0.24	64.6	36.0	100.6
2020	SR31	13	311.00	0.00	311.00	Town Centre	Y	400009	0.99	0.16	1.16	15.6	38.9	54.4	0.29	0.99	1.28	54.4	62.2	116.6
2004	SR36	13	300.00	0.00	300.00	Town Centre	Y	400000	0.99	0.16	1.16	15.0	37.5	52.5	0.29	0.99	1.28	52.5	60.0	112.5
2030	SR40	13	200.00	0.00	200.00	Town Centre	Y	400013	0.99	0.16	1.16	10.0	25.0	35.0	0.29	0.99	1.28	35.0	40.0	75.0
2005	SR38	13	150.00	0.00	150.00	Town Centre	Y	400001	0.99	0.16	1.16	7.5	18.8	26.3	0.29	0.99	1.28	26.3	30.0	56.3
2021	SR30	13	102.00	0.00	102.00	Town Centre	Y	400010	1.06	0.43	1.49	11.9	40.2	52.1	0.48	0.98	1.46	37.8	19.1	56.9
2006	SR34	13	50.00	0.00	50.00	Suburban Area		115025	0.05	0.18	0.23	2.5	9.1	11.6	0.15	0.08	0.24	7.6	4.2	11.8
2149	GS37	14	136.00	0.00	136.00	Suburban Area	Y	400044	0.05	0.18	0.23	6.8	24.8	31.6	0.15	0.08	0.24	20.5	11.4	32.0
4009	GS8	14	6.00	0.00	6.00	Town Centre		110049	0.12	0.39	0.51	0.70	2.36	3.07	0.37	0.19	0.56	2.2	1.1	3.3
2073	W4	14	5.00	0.00	5.00	Suburban Area		110053	0.12	0.39	0.51	0.6	2.0	2.6	0.37	0.19	0.56	1.9	0.9	2.8
2154	GN15	15	1100.00	0.00	1100.00	Suburban Area	Y	400046	0.05	0.18	0.23	55.0	200.2	255.2	0.15	0.08	0.24	166.1	92.4	258.5
2056	GN6	15	400.00	0.00	400.00	Suburban Area	Y	400029	0.05	0.18	0.23	20.0	72.8	92.8	0.15	0.08	0.24	60.4	33.6	94.0
2157	GN3	15	176.00	0.00	176.00	Suburban Area	Y	400048	0.12	0.39	0.51	20.59	69.34	89.94	0.37	0.19	0.56	65.3	32.9	98.2
2062	GN8	15	17.00	0.00	17.00	Suburban Area		115008	0.12	0.39	0.51	2.0	6.7	8.7	0.37	0.19	0.56	6.3	3.2	9.5
2023	SM16	16	2750.00	843.00	3593.00	Town Centre	Y	400011	0.99	0.16	1.16	429.8	355.5	785.4	0.29	0.99	1.28	516.3	795.5	1311.8
2165	CCB35	17	79.00	0.00	79.00	Town Centre		115023	1.06	0.43	1.49	9.24	31.13	40.37	0.48	0.98	1.46	29.3	14.8	44.1
2166	CCB25	17	78.00	0.00	78.00	Town Centre		115023	1.06	0.43	1.49	9.13	30.73	39.86	0.48	0.98	1.46	28.9	14.6	43.5
2053	CCB37	18	200.00	0.00	200.00	Town Centre	Y	400026	0.05	0.13	0.18	10.0	25.0	35.0	0.18	0.20	0.38	35.0	40.0	75.0
2145	CCB49	18	150.00	0.00	150.00	Town Centre	Y	400042	0.05	0.13	0.18	7.5	18.8	26.3	0.18	0.20	0.38	26.3	30.0	56.3
2055	FP10	18	139.00	0.00	139.00	Suburban Area	Y	400028	0.12	0.39	0.51	16.3	54.8	71.0	0.37	0.19	0.56	51.6	26.0	77.6
2040	FP11	18	123.00	0.00	123.00	Town Centre	Y	400020	0.99	0.16	1.16	6.2	15.4	21.5	0.29	0.99	1.28	21.5	24.6	46.1
2150	FP25	18	121.00	0.00	121.00	Town Centre	Y	400045	0.05	0.13	0.18	6.1	15.1	21.2	0.18	0.20	0.38	21.2	24.2	45.4
2070	FP1	18	111.00	0.00	111.00	Town Centre	Y	400034	0.05	0.13	0.18	5.6	13.9	19.4	0.18	0.20	0.38	19.4	22.2	41.6
2156	RWB25	18	106.00	0.00	106.00	Neighbourhood Centre	Y	400047	0.00	0.11	0.11	0.00	11.77	11.77	0.22	0.00	0.22	23.5	0.0	23.5
2146	FP6	18	103.00	0.00	103.00	Town Centre	Y	400043	0.12	0.39	0.51	12.1	40.6	52.6	0.37	0.19	0.56	38.2	19.3	57.5
2074	FP12	18	70.00	0.00	70.00	Town Centre		115011	0.05	0.13	0.18	3.5	8.8	12.3	0.18	0.20	0.38	12.3	14.0	26.3
2015	CCB15	18	60.00	0.00	60.00	Town Centre		400005	0.99	0.16	1.16	3.0	7.5	10.5	0.29	0.99	1.28	10.5	12.0	22.5
2078	GS2	18	45.00	0.00	45.00	Town Centre		110067	0.12	0.39	0.51	5.3	17.7	23.0	0.37	0.19	0.56	16.7	8.4	25.1
2060	CCB12	18	24.00	0.00	24.00	Town Centre		115026	0.99	0.16	1.16	1.2	3.0	4.2	0.29	0.99	1.28	4.2	4.8	9.0
2072	CCB39	18	24.00	0.00	24.00	Town Centre		110063	0.05	0.13	0.18	1.2	3.0	4.2	0.18	0.20	0.38	4.2	4.8	9.0
2066	CCB30	18	21.00	0.00	21.00	Town Centre		115026	0.05	0.13	0.18	1.1	2.6	3.7	0.18	0.20	0.38	3.7	4.2	7.9
2048	CCB27	18																		

"Group info summary" tab

Development Information						Assessment Summary			Reduction Opportunity Summary			
Group	Sites in Group	Group Name	HH, Dwellings	No Jobs	HH + Jobs	Stage 1 Assessment - Existing conditions (no intervention reduction opportunities)	Stage 2 Assessment - Future conditions (new measures creating add'l reduction opportunities)	Improved in Stage 2?	Improved from base 70% car mode share?	HH, Dwellings with reduction opportunity	No Jobs with reduction opportunity	HH + Jobs with reduction opportunity
1	SNF15, SNF41, SNF35, SNF34, SNF9, SNF8	Strood Centre	884	0	884	Tier 1: 50% car	Tier 1: 50% car	No change	Yes	884	0	884
2	AS25, AS28	Isle of Grain	43	0	43	Tier 3: 70% car	Tier 2: 60% car	Improved	Yes	43	0	43
3	AS21	Allhallows	50	0	50	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
4	RN9	Lower Rainham	800	0	800	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
5	HHH26, HHH29, AS6, HHH15, AS2	High Halstow	864	0	864	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
6	SR4, SR14, SR7	Cliffe Woods	236	0	236	Tier 3: 70% car	Tier 2: 60% car	Improved	Yes	236	0	236
7	RN30, RN31, RN29, RN22	Rainham Suburban	192	0	192	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
8	RWB5	Rochester Industrial	0	100	100	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
9	CHR14	Cuxton	49	0	49	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
10	CHR18, CHR17, CHR16	Sundridge Hill	0	1180	1180	Tier 3: 70% car	Tier 2: 60% car	Improved	Yes	0	1180	1180
11	SW6	Strood Suburban	6	0	6	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
12	SNF44	Frindsbury	6	0	6	Tier 2: 60% car	Tier 1: 50% car	Improved	Yes	6	0	6
13	SR37, SR31, SR36, SR40, SR38, SR30, SR34	Medway City Estate	1541	0	1541	Tier 3: 70% car	Tier 2: 60% car	Improved	Yes	1541	0	1541
14	GS37, GS8, W4	Gillingham Centre	147	0	147	Tier 1: 50% car	Tier 1: 50% car	No change	Yes	147	0	147
15	GN15, GN6, GN3, GN8	Gillingham Gads Hill	1693	0	1693	Tier 2: 60% car	Tier 1: 50% car	Improved	Yes	1693	0	1693
16	SMI6	Chatham Docks	2750	843	3593	Tier 2: 60% car	Tier 1: 50% car	Improved	Yes	2750	843	3593
17	CCB35, CCB25	Brompton Dock Road	157	0	157	Tier 1: 50% car	Tier 1: 50% car	No change	Yes	157	0	157
18	CCB37, CCB49, FP10, FP11, FP25, FP1, RWE	Chatham-Rochester Centres	1365	0	1365	Tier 1: 50% car	Tier 1: 50% car	No change	Yes	1365	0	1365
19	L9, L12, GS35, L11, L7	Chatham Suburban	60	0	60	Tier 2: 60% car	Tier 1: 50% car	Improved	Yes	60	0	60
20	AS14, AS16, AS11	Lower Stoke	60	0	60	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
21	HHH35	Kingsnorth	0	6901	6901	Tier 3: 70% car	Tier 2: 60% car	Improved	Yes	0	6901	6901
22	HHH12, HHH22 & HHH31, HHH6, HHH8, HHH1	Hoo Peninsula	5239	0	5239	Tier 3: 70% car	Tier 2: 60% car	Improved	Yes	5239	0	5239
23	LW8, LW4, LW10	Capstone Farm Country Park	2675	0	2675	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
24	HW6	Hempstead M2 / A278	88	0	88	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
25	SNF3, SNF1, SR5	Strood North	1280	0	1280	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
26	CHR4, CHR6	Halling	1088	0	1088	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
27	HW11	Hempstead Rural	60	0	60	Tier 3: 70% car	Tier 2: 60% car	Improved	Yes	60	0	60
28	LW5	Lordswood	5	0	5	Tier 3: 70% car	Tier 3: 70% car	No change	No car trip rate red			
			21,338	9,024	30,362				Total no. where reduction possible -->	14,181	8,924	23,105
									% total where reduction possible -->	66%	99%	76%

