

Comparison 2b
2039 Do Minimum vs 2039 Do Something 1 (Without M62 Access Solution)

Severance Effects

WSP Link Ref	TT Link Ref:	Link Description	Receptors	Sensitivity	24hr AADT - All Vehicles			% Change	Magnitude of Change	Significance of effect
					DM	DS	Diff			
23	2	M62 Westbound Off-Slip.	Congested Junction	Medium	7404	7490	86	1%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	12344	11515	-829	-7%	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	21458	19664	-1794	-8%	Negligible	Negligible
2	8	Hareshill Road / Queen Elizabeth II Way Corridor, Between Hareshill Road / QEII / South Heywood residential & local centre (Jct 3) and Manchester Road.	Congested Junction	Medium	11067	11259	193	2%	Negligible	Negligible
3	9	Hareshill Road, between Hareshill Road / Queen Elizabeth II Way / South Heywood residential & local centre (Jct 3) and Hill Top Road.	Congested Junction	Medium	10715	11066	351	3%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	10673	12144	1471	14%	Negligible	Negligible
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	11374	12340	966	8%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	12064	14861	2797	23%	Negligible	Negligible
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19873	20238	365	2%	Negligible	Negligible
6	16	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	11594	15592	3998	34%	Small	Minor
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	11750	15763	4013	34%	Small	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	4855	15003	10148	209%	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	14063	26365	12302	87%	Medium	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	12107	22982	10875	90%	Medium	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	5837	8690	2853	49%	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	7994	9225	1231	15%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	4841	7548	2707	56%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	4260	3302	-959	-23%	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	6479	7752	1273	20%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	15920	16345	425	3%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	29930	31083	1152	4%	Negligible	Negligible

Comparison 2b
2039 Do Minimum vs 2039 Do Something 1 (Without M62 Access Solution)

Pedestrian Delay Effects													
WSP Link Ref	TT Link Ref	Link Description	Receptors	Sensitivity	AM Peak - All Vehicles			PM Peak - All Vehicles			Max Peak hour increase	Magnitude of Change	Significance of effect
					DM	DS	Diff	DM	DS	Diff			
23	2	M62 Westbound Off-Slip.	Congested Junction	Medium	785	751	-34	644	705	61	61	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1335	1135	-200	1011	991	-21	-21	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	2181	1892	-289	1641	1516	-125	-125	Negligible	Negligible
2	8	Hareshill Road / Queen Elizabeth II Way Corridor, Between Hareshill Road / QEII / South Heywood residential & local centre (Jct 3) and Manchester Road.	Congested Junction	Medium	1085	1046	-38	871	924	53	53	Negligible	Negligible
3	9	Hareshill Road, between Hareshill Road / Queen Elizabeth II Way / South Heywood residential & local centre (Jct 3) and Hill Top Road.	Congested Junction	Medium	1035	1057	23	840	888	48	48	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	1021	1098	77	854	1022	168	168	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	1029	1113	84	984	1016	33	84	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	1076	1281	205	972	1215	243	243	Small	Minor
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1614	1629	15	1623	1630	7	15	Negligible	Negligible
6	16	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	1007	1334	326	972	1288	316	326	Small	Minor
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	1017	1345	328	983	1302	319	328	Small	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	403	1173	770	399	1229	829	829	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1172	2114	941	1212	2265	1054	1054	Large	Moderate
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1076	1876	800	997	2011	1014	1014	Large	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	396	702	306	588	819	232	306	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	780	978	198	600	660	60	198	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	440	605	165	329	563	234	234	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	367	341	-27	375	228	-147	-27	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	617	721	103	512	626	114	114	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1227	1320	92	1242	1285	43	92	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2444	2539	95	2459	2551	91	95	Negligible	Negligible

Comparison 2b
2039 Do Minimum vs 2039 Do Something 1 (Without M62 Access Solution)

Pedestrian Amenity Effects

WSP Link Ref	TT Link Ref:	Link Description	Receptors	Sensitivity	AM Peak - All Vehicles				PM Peak - All Vehicles				Max Peak hour increase	Magnitude of Change	Significance of effect
					DM	DS	Diff	% increase	DM	DS	Diff	% increase			
23	2	M62 Westbound Off-Slip.	Congested Junction	Medium	785	751	-34	-4%	644	705	61	9%	9%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1335	1135	-200	-15%	1011	991	-21	-2%	-2%	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	2181	1892	-289	-13%	1641	1516	-125	-8%	-8%	Negligible	Negligible
2	8	Hareshill Road / Queen Elizabeth II Way Corridor, Between Hareshill Road / QEII / South Heywood residential & local centre (Jct 3) and Manchester Road.	Congested Junction	Medium	1085	1046	-38	-4%	871	924	53	6%	6%	Negligible	Negligible
3	9	Hareshill Road, between Hareshill Road / Queen Elizabeth II Way / South Heywood residential & local centre (Jct 3) and Hill Top Road.	Congested Junction	Medium	1035	1057	23	2%	840	888	48	6%	6%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	1021	1098	77	8%	854	1022	168	20%	20%	Negligible	Negligible
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	1029	1113	84	8%	984	1016	33	3%	8%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	1076	1281	205	19%	972	1215	243	25%	25%	Negligible	Negligible
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1614	1629	15	1%	1623	1630	7	0%	1%	Negligible	Negligible
6	16	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	1007	1334	326	32%	972	1288	316	32%	32%	Negligible	Negligible
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	1017	1345	328	32%	983	1302	319	32%	32%	Negligible	Negligible
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	403	1173	770	191%	399	1229	829	208%	208%	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1172	2114	941	80%	1212	2265	1054	87%	87%	Small	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1076	1876	800	74%	997	2011	1014	102%	102%	Medium	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	396	702	306	77%	588	819	232	39%	77%	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	780	978	198	25%	600	660	60	10%	25%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	440	605	165	38%	329	563	234	71%	71%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	367	341	-27	-7%	375	228	-147	-39%	-7%	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	617	721	103	17%	512	626	114	22%	22%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1227	1320	92	8%	1242	1285	43	3%	8%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2444	2539	95	4%	2459	2551	91	4%	4%	Negligible	Negligible

Comparison 2b
2039 Do Minimum vs 2039 Do Something 1 (Without M62 Access Solution)
Fear & Intimidation Effects

WSP Link Ref	TT Link Ref:	Link Description	Receptors	Sensitivity	AAWT18 - DS				Degree of Hazard Score			Total Score	Magnitude of Change	Significance of effect
					Total Vehicles	(a) Ave. Hourly Vehs	(b) Total HGV	(c) Speed	(a) Ave. Hourly Vehs	(b) Total HGV	(c) Speed			
23	2	M62 Westbound Off-Slip.	Congested Junction	Medium	6805	378	837	35	0	0	20	20	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	10108	562	1662	64	0	10	30	40	Small	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	18321	1018	1714	38	10	10	20	40	Small	Minor
2	8	Hareshill Road / Queen Elizabeth II Way Corridor, Between Hareshill Road / QEII / South Heywood residential & local centre (Jct 3) and Manchester Road.	Congested Junction	Medium	9872	548	1639	44	0	10	30	40	Small	Minor
3	9	Hareshill Road, between Hareshill Road / Queen Elizabeth II Way / South Heywood residential & local centre (Jct 3) and Hill Top Road.	Congested Junction	Medium	9674	537	1640	45	0	10	30	40	Small	Minor
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	10719	596	1691	34	0	10	20	30	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	11690	649	870	35	10	0	20	30	Small	Minor
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	13144	730	2042	31	10	20	20	50	Medium	Moderate
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19580	1088	994	27	10	0	10	20	Negligible	Negligible
6	16	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	13592	755	2353	44	10	20	30	60	Medium	Minor
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	13721	762	2399	36	10	20	20	50	Medium	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	13443	747	1877	26	10	10	10	30	Small	Minor
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	23486	1305	3443	53	20	30	30	80	Large	Moderate
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	20672	1148	2790	59	10	20	30	60	Medium	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	8079	449	776	40	0	0	20	20	Negligible	Negligible
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	8285	460	1133	84	0	10	30	40	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	7223	401	456	85	0	0	30	30	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	3347	186	0	23	0	0	10	10	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	7754	431	111	33	0	0	20	20	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	16082	893	517	19	10	0	0	10	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	30905	1717	642	19	20	0	0	20	Negligible	Negligible

Comparison 2b

2039 Do Minimum vs 2039 Do Something 1 (Without M62 Access Solution)

Driver Delay

TT Link Ref.	Link Description	Receptors	Sensitivity	Delay - AM Peak			Delay PM Peak			Max Delay Increase	Magnitude of Change	Significance of effect
				DM	DS	Diff	DM	DS	Diff			
2 -WB	M62 Westbound Off-Slip.	Congested Junction	Medium	22	18	-4	28	18	-10	-4	Negligible	Negligible
4 - EB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	25	26	2	30	16	-14	2	Negligible	Negligible
4 - WB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	31	31	0	31	37	5	5	Negligible	Negligible
7 - SWB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	25	24	-1	26	31	5	5	Negligible	Negligible
7 - NEB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	38	42	4	38	34	-4	4	Negligible	Negligible
8 - EB	Hareshill Road / Queen Elizabeth II Way Corridor, Between Hareshill Road / QEII / South Heywood residential & local centre (Jct 3) and Manchester Road.	Congested Junction	Medium	33	32	-1	33	40	7	7	Negligible	Negligible
9 - NWB	Hareshill Road, between Hareshill Road / Queen Elizabeth II Way / South Heywood residential & local centre (Jct 3) and Hill Top Road.	Congested Junction	Medium	5	4	-1	3	4	1	1	Negligible	Negligible
11- SEB	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	21	14	-7	26	20	-6	-6	Negligible	Negligible
11 - NWB	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	12	18	6	10	14	3	6	Negligible	Negligible
12 - SWB	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	22	29	7	29	35	7	7	Negligible	Negligible
12 - NB	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	463	497	34	92	115	23	34	Negligible	Negligible
13 - NEB	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	23	36	13	17	20	4	13	Negligible	Negligible
13 - SWB	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	14	10	-4	14	11	-3	-3	Negligible	Negligible
15 - WB	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	10	10	0	12	11	0	0	Negligible	Negligible
16 - NEB	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	27	35	7	33	31	-2	7	Negligible	Negligible
16 - SWB	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	17	21	4	15	15	0	4	Negligible	Negligible
17 - EB	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	10	9	-2	10	7	-3	-2	Negligible	Negligible
17 - WB	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	0	4	4	0	3	3	4	Negligible	Negligible
18 - NB	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	159	4	-155	50	7	-43	-43	Negligible	Negligible
19 - SEB	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	7	6	-1	10	5	-5	-1	Negligible	Negligible
19 - NWB	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	46	3	-43	42	5	-37	-37	Negligible	Negligible
20 -EB	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	67	5	-62	58	5	-53	-53	Negligible	Negligible
20 -WB	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	No delay results within VISSIM model								
21 - SB	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	50	9	-41	30	4	-26	-26	Negligible	Negligible
22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	No delay results within VISSIM model								
23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium									
33 - SEB	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	13	11	-2	20	14	-5	-2	Negligible	Negligible
38 - WB	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	25	47	22	19	27	8	22	Negligible	Negligible
39 - NEB	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	23	98	74	14	18	5	74	Small	Minor
39 - SWB	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	70	304	233	87	138	51	233	Large	Moderate
41 - SB	Manchester Road, north of Hollins Brow	Retail Park	Medium	49	269	220	58	136	78	220	Large	Moderate