

Comparison 2a
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	8737	1333	18%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	12344	16708	4364	35%	Small	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	21458	22750	1291	6%	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	13921	2855	26%	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	13484	2770	26%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	10673	14033	3360	31%	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	11374	11409	35	0%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	12064	16494	4430	37%	Small	Minor
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19873	20270	396	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	15593	3999	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	15787	4037	34%	Small	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	4855	18817	13962	288%	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	14063	25468	11405	81%	Medium	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	12107	21853	9746	80%	Medium	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	5837	8610	2773	48%	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	7994	9226	1232	15%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	4841	7626	2785	58%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	4260	7279	3019	71%	Medium	Minor
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	6479	7881	1402	22%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	15920	15651	-268	-2%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	29930	30951	1020	3%	Negligible	Negligible

Comparison 2a
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	831	47	644	675	31	47	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1335	1506	171	1011	1380	369	369	Medium	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	2181	2171	-10	1641	1708	67	67	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	1266	182	871	1082	211	211	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	1035	1210	175	840	1046	206	206	Small	Minor
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	1021	1236	215	854	1149	295	295	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	1029	965	-64	984	962	-22	-22	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	1076	1440	364	972	1307	336	364	Medium	Moderate
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1614	1658	43	1623	1615	-7	43	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	1352	345	972	1293	320	345	Small	Minor
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	1017	1364	347	983	1307	324	347	Small	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	403	1352	948	399	1369	969	969	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1172	1963	790	1212	2103	891	891	Large	Moderate
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1076	1663	587	997	1912	915	915	Large	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	396	618	222	588	794	207	222	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	780	990	210	600	678	79	210	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	440	804	364	329	451	122	364	Medium	Moderate
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	367	607	240	375	429	53	240	Small	Minor
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	617	739	122	512	641	129	129	Small	Minor
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1227	1289	61	1242	1161	-81	61	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2444	2492	48	2459	2587	127	127	Small	Minor

Comparison 2a
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	831	47	6%	644	675	31	5%	6%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1335	1506	171	13%	1011	1380	369	37%	37%	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	2181	2171	-10	0%	1641	1708	67	4%	4%	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	1266	182	17%	871	1082	211	24%	24%	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	1210	175	17%	840	1046	206	25%	25%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	1021	1236	215	21%	854	1149	295	35%	35%	Negligible	Negligible
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	1029	965	-64	-6%	984	962	-22	-2%	-2%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	1076	1440	364	34%	972	1307	336	35%	35%	Negligible	Negligible
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1614	1658	43	3%	1623	1615	-7	0%	3%	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	1352	345	34%	972	1293	320	33%	34%	Negligible	Negligible
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	1017	1364	347	34%	983	1307	324	33%	34%	Negligible	Negligible
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	403	1352	948	235%	399	1369	969	243%	243%	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1172	1963	790	67%	1212	2103	891	74%	74%	Small	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1076	1663	587	55%	997	1912	915	92%	92%	Small	Minor
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	396	618	222	56%	588	794	207	35%	56%	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	780	990	210	27%	600	678	79	13%	27%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	440	804	364	83%	329	451	122	37%	83%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	367	607	240	65%	375	429	53	14%	65%	Small	Minor
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	617	739	122	20%	512	641	129	25%	25%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1227	1289	61	5%	1242	1161	-81	-7%	5%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2444	2492	48	2%	2459	2587	127	5%	5%	Negligible	Negligible

Comparison 2a
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	7406	411	1541	28	0	10	10	20	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	13156	731	4018	64	10	30	30	70	Large	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	20543	1141	2676	41	10	20	30	60	Medium	Moderate
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	10359	575	3989	35	0	30	20	50	Medium	Moderate
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	9917	551	3988	37	0	30	20	50	Medium	Moderate
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	10728	596	3717	29	0	30	10	40	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	10447	580	1189	33	0	10	20	30	Small	Minor
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	12571	698	4409	26	10	30	10	50	Medium	Moderate
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19321	1073	1303	26	10	10	10	30	Small	Minor
6	16	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	12196	678	3837	40	10	30	30	70	Large	Moderate
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	12345	686	3888	33	10	30	20	60	Medium	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	14304	795	5071	12	10	30	0	40	Small	Minor
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	21701	1206	4374	51	20	30	30	80	Large	Moderate
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	18680	1038	3691	58	10	30	30	70	Large	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	8032	446	740	40	0	0	30	30	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	7945	441	1496	84	0	10	30	40	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	7482	416	265	85	0	0	30	30	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	7379	410	0	18	0	0	0	0	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	7875	438	121	33	0	0	20	20	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	15345	852	554	20	10	0	0	10	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	30757	1709	656	19	20	0	0	20	Negligible	Negligible

Comparison 2a

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 Dleay Increase	Magnitude of Change	Significance of effect
				DM	DS	Diff	DM	DS	Diff			
2 -WB	M62 Westbound Off-Slip.	Congested Junction	Medium	22	445	423	28	22	-7	423	Large	Moderate
4 - EB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	25	21	-3	30	32	2	2	Negligible	Negligible
4 - WB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	31	28	-3	31	34	3	3	Negligible	Negligible
7 - SWB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	25	39	15	26	29	3	15	Negligible	Negligible
7 - NEB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	38	65	27	38	39	1	27	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	36	3	33	38	6	6	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	5	1	3	6	2	2	Negligible	Negligible
11 - SEB	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	21	13	-8	26	19	-7	-7	Negligible	Negligible
11 - NWB	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	12	28	16	10	12	2	16	Negligible	Negligible
12 - SWB	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	22	40	18	29	43	14	18	Negligible	Negligible
12 - NB	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	463	632	168	92	142	50	168	Medium	Moderate
13 - NEB	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	23	40	18	17	21	5	18	Negligible	Negligible
13 - SWB	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	14	12	-2	14	12	-1	-1	Negligible	Negligible
15 - WB	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	10	11	1	12	11	0	1	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	159	132	33	58	25	132	Medium	Minor
16 - SWB	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	17	36	19	15	18	3	19	Negligible	Negligible
17 - EB	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	10	11	0	10	8	-2	0	Negligible	Negligible
17 - WB	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	0	9	9	0	3	3	9	Negligible	Negligible
18 - NB	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	159	5	-154	50	60	9	9	Negligible	Negligible
19 - SEB	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	7	7	0	10	4	-6	0	Negligible	Negligible
19 - NWB	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	46	3	-43	42	10	-32	-32	Negligible	Negligible
20 - EB	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	67	5	-62	58	4	-54	-54	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	8	-42	30	4	-27	-27	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	13	0	20	26	6	6	Negligible	Negligible
38 - WB	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	25	56	31	19	28	9	31	Negligible	Negligible
39 - NEB	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	23	74	51	14	11	-3	51	Negligible	Negligible
39 - SWB	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	70	265	194	87	171	84	194	Large	Moderate
41 - SB	Manchester Road, north of Hollins Brow	Retail Park	Medium	49	222	172	58	148	89	172	Medium	Moderate