

Comparison 4a
2039 Do Minimum vs 2039 Do Something 3 - Cumulative (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	9025	1621	22%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	12344	17542	5198	42%	Small	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	21458	23322	1864	9%	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	13939	2872	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	13449	2734	26%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	10673	14023	3350	31%	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	11374	11468	94	1%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	12064	16555	4491	37%	Small	Minor
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19873	20281	408	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	15633	4039	35%	Small	Minor
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	11750	15821	4071	35%	Small	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	4855	19015	14160	292%	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	14063	25759	11697	83%	Medium	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	12107	22194	10086	83%	Medium	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	5837	8692	2854	49%	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	7994	9370	1377	17%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	4841	7596	2754	57%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	4260	7214	2954	69%	Medium	Minor
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	6479	7932	1453	22%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	15920	15652	-268	-2%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	29930	31058	1127	4%	Negligible	Negligible

Comparison 4a
2039 Do Minimum vs 2039 Do Something 3 - Cumulative (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	834	49	644	709	65	65	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1335	1586	251	1011	1453	442	442	Medium	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	2181	2180	0	1641	1795	153	153	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	1085	1280	195	871	1078	207	207	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	1219	184	840	1037	197	197	Small	Minor
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	1021	1241	221	854	1150	297	297	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	1029	987	-43	984	977	-6	-6	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	1076	1435	359	972	1318	346	359	Small	Minor
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1614	1656	41	1623	1628	6	41	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	1345	338	972	1301	329	338	Small	Minor
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	1017	1353	336	983	1317	333	336	Small	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	403	1384	981	399	1374	975	981	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1172	1994	822	1212	2129	917	917	Large	Moderate
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1076	1699	623	997	1955	958	958	Large	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	396	650	254	588	790	202	254	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	780	1003	223	600	685	86	223	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	440	798	359	329	451	122	359	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	367	587	219	375	428	53	219	Small	Minor
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	617	749	132	512	640	128	132	Small	Minor
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1227	1287	59	1242	1154	-88	59	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2444	2502	59	2459	2590	131	131	Small	Minor

Comparison 4a
2039 Do Minimum vs 2039 Do Something 3 - Cumulative (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	834	49	6%	644	709	65	10%	10%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1335	1586	251	19%	1011	1453	442	44%	44%	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	2181	2180	0	0%	1641	1795	153	9%	9%	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	1280	195	18%	871	1078	207	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	1219	184	18%	840	1037	197	23%	23%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	1021	1241	221	22%	854	1150	297	35%	35%	Negligible	Negligible
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	1029	987	-43	-4%	984	977	-6	-1%	-1%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	1076	1435	359	33%	972	1318	346	36%	36%	Negligible	Negligible
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1614	1656	41	3%	1623	1628	6	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	1345	338	34%	972	1301	329	34%	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	1353	336	33%	983	1317	333	34%	34%	Negligible	Negligible
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	403	1384	981	243%	399	1374	975	244%	244%	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1172	1994	822	70%	1212	2129	917	76%	76%	Small	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1076	1699	623	58%	997	1955	958	96%	96%	Small	Minor
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	396	650	254	64%	588	790	202	34%	64%	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	780	1003	223	29%	600	685	86	14%	29%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	440	798	359	82%	329	451	122	37%	82%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	367	587	219	60%	375	428	53	14%	60%	Small	Minor
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	617	749	132	21%	512	640	128	25%	25%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1227	1287	59	5%	1242	1154	-88	-7%	5%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2444	2502	59	2%	2459	2590	131	5%	5%	Negligible	Negligible

Comparison 4a
2039 Do Minimum vs 2039 Do Something 3 - Cumulative (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	7697	428	1543	27	0	10	10	20	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	14038	780	3979	64	10	30	30	70	Large	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	20998	1167	2809	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	10387	577	3978	34	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	9892	550	3977	37	0	30	20	50	Medium	Moderate
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	10719	595	3716	29	0	30	10	40	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	10503	584	1192	33	0	10	20	30	Small	Minor
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	12631	702	4411	26	10	30	10	50	Medium	Moderate
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19326	1074	1311	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	12236	680	3838	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	12379	688	3889	33	10	30	20	60	Medium	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	14511	806	5063	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	22004	1222	4366	51	20	30	30	80	Large	Moderate
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	19029	1057	3686	58	10	30	30	70	Large	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	8117	451	738	40	0	0	30	30	Small	Minor
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	8102	450	1485	84	0	10	30	40	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	7451	414	264	85	0	0	30	30	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	7313	406	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	7925	440	123	33	0	0	20	20	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	15338	852	562	20	10	0	0	10	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	30866	1715	657	19	20	0	0	20	Negligible	Negligible

Comparison 4a

2039 Do Minimum vs 2039 Do Something 3 - Cumulative (Without M62 Access Solution)

Driver Delay												
TT Link Ref.	Link Description	Receptors	Sensitivity	Delay - AM Peak			Delay PM Peak			Max Dealay Increase	Magnitude of Change	Significance of effect
				DM	DS	Diff	DM	DS	Diff			
2 -WB	M62 Westbound Off-Slip.	Congested Junction	Medium	22	796	774	28	21	-7	774	Large	Moderate
4 - EB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	25	436	412	30	40	9	412	Large	Negligible
4 - WB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	31	28	-3	31	33	2	2	Negligible	Negligible
7 - SWB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	25	41	16	26	33	7	16	Negligible	Negligible
7 - NEB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	38	91	53	38	38	0	53	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	38	4	33	39	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	6	1	3	6	3	3	Negligible	Negligible
11- SEB	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	21	15	-6	26	21	-5	-5	Negligible	Negligible
11 - NWB	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	12	28	16	10	14	4	16	Negligible	Negligible
12 - SWB	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	22	42	20	29	45	16	20	Negligible	Negligible
12 - NB	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	463	698	234	92	206	114	234	Large	Moderate
13 - NEB	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	23	41	19	17	21	4	19	Negligible	Negligible
13 - SWB	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	14	19	4	14	19	5	5	Negligible	Negligible
15 - WB	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	10	10	0	12	11	-1	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	207	179	33	86	53	179	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	49	32	15	25	10	32	Negligible	Negligible
17 - EB	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	10	16	5	10	12	2	5	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	69	19	19	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	11	-31	-31	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 from VISSIM Model								
21 - SB	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	50	9	-41	30	4	-27	-27	Negligible	Negligible
22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	No delay results from 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	14	1	20	27	8	8	Negligible	Negligible
38 - WB	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	25	58	33	19	28	9	33	Negligible	Negligible
39 - NEB	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	23	78	55	14	11	-3	55	Negligible	Negligible
39 - SWB	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	70	103	32	87	241	154	154	Medium	Moderate
41 - SB	Manchester Road, north of Hollins Brow	Retail Park	Medium	49	70	21	58	225	167	167	Medium	Moderate