

Comparison 1b
2032 Do Minimum vs 2032 Do Something 1 (With 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	7210	7073	-137	-2%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	11173	10281	-892	-8%	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	20087	18597	-1490	-7%	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	10249	10214	-35	0%	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	9946	9941	-4	0%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	9869	10790	921	9%	Negligible	Negligible
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	10484	11260	776	7%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	11149	13226	2076	19%	Negligible	Negligible
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19210	19681	471	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	11118	13878	2760	25%	Negligible	Negligible
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	11271	14025	2754	24%	Negligible	Negligible
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	5047	11116	6069	120%	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	13935	21708	7773	56%	Small	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	11829	20189	8359	71%	Medium	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	5842	6749	907	16%	Negligible	Negligible
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	7695	8256	561	7%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	4764	6761	1997	42%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	4444	2825	-1618	-36%	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	6194	6581	387	6%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	15121	15658	537	4%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	28500	28931	431	2%	Negligible	Negligible

Comparison 1b
2032 Do Minimum vs 2032 Do Something 1 (With 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	728	656	-73	670	723	54	54	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1169	1023	-145	948	914	-34	-34	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	1921	1759	-163	1602	1486	-116	-116	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	982	956	-25	821	867	47	47	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	940	917	-23	797	847	50	50	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	925	946	21	811	975	163	163	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	937	1060	123	914	931	16	123	Small	Minor
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	938	1103	164	937	1192	255	255	Small	Minor
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1555	1600	45	1612	1622	10	45	Negligible	Negligible
6	16	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	973	1162	190	943	1259	315	315	Small	Minor
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	982	1171	189	954	1271	317	317	Small	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	444	937	493	414	956	542	542	Medium	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1201	1868	667	1204	1971	767	767	Large	Moderate
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1043	1725	682	987	1856	869	869	Large	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	406	473	67	602	707	105	105	Negligible	Negligible
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	754	879	125	587	629	42	125	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	457	589	132	319	514	195	195	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	403	212	-191	390	255	-135	-135	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	603	680	77	483	512	29	77	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1197	1247	51	1221	1276	56	56	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2366	2400	34	2384	2419	34	34	Negligible	Negligible

Comparison 1b
2032 Do Minimum vs 2032 Do Something 1 (With 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	728	656	-73	-10%	670	723	54	8%	8%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1169	1023	-145	-12%	948	914	-34	-4%	-4%	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	1921	1759	-163	-8%	1602	1486	-116	-7%	-7%	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	982	956	-25	-3%	821	867	47	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	940	917	-23	-2%	797	847	50	6%	6%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	925	946	21	2%	811	975	163	20%	20%	Negligible	Negligible
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	937	1060	123	13%	914	931	16	2%	13%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	938	1103	164	18%	937	1192	255	27%	27%	Negligible	Negligible
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1555	1600	45	3%	1612	1622	10	1%	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	973	1162	190	19%	943	1259	315	33%	33%	Negligible	Negligible
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	982	1171	189	19%	954	1271	317	33%	33%	Negligible	Negligible
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	444	937	493	111%	414	956	542	131%	131%	Medium	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1201	1868	667	56%	1204	1971	767	64%	64%	Small	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1043	1725	682	65%	987	1856	869	88%	88%	Small	Minor
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	406	473	67	17%	602	707	105	17%	17%	Negligible	Negligible
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	754	879	125	17%	587	629	42	7%	17%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	457	589	132	29%	319	514	195	61%	61%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	403	212	-191	-47%	390	255	-135	-35%	-35%	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	603	680	77	13%	483	512	29	6%	13%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1197	1247	51	4%	1221	1276	56	5%	5%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2366	2400	34	1%	2384	2419	34	1%	1%	Negligible	Negligible

Comparison 1b
2032 Do Minimum vs 2032 Do Something 1 (With M62 Access Solution)
Fear & Intimidation Effects

WSP Link Ref	TT Link Ref:	Link Description	Receptors	Sensitivity	AAWT18 - D5				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	6473	360	740	28	0	0	10	10	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	9005	500	1505	64	0	10	30	40	Small	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	17532	974	1403	41	10	10	30	50	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	8940	497	1503	35	0	10	20	30	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	8662	481	1505	37	0	10	20	30	Small	Minor
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	9497	528	1532	29	0	10	10	20	Negligible	Negligible
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	10686	594	774	33	0	0	20	20	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	11706	650	1808	24	10	10	10	30	Small	Minor
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19042	1058	965	26	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	12098	672	2094	41	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	12204	678	2139	33	10	20	20	50	Medium	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	9955	553	1396	14	0	10	0	10	Negligible	Negligible
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	19378	1077	2792	53	10	20	30	60	Medium	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	18162	1009	2448	59	10	20	30	60	Medium	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	6403	356	466	39	0	0	20	20	Negligible	Negligible
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	7464	415	962	84	0	0	30	30	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	6381	355	503	85	0	0	30	30	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	2864	159	0	20	0	0	10	10	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	6588	366	89	33	0	0	20	20	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	15492	861	405	20	10	0	0	10	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	28841	1602	517	19	20	0	0	20	Negligible	Negligible

Comparison 1b
2032 Do Minimum vs 2032 Do Something 1 (With 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	260	19	-241	26	25	-1	-1	Negligible	Negligible
4 - EB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	30	17	-13	29	18	-11	-11	Negligible	Negligible
4 - WB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	34	26	-8	35	43	8	8	Negligible	Negligible
7 - SWB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	21	26	5	23	28	5	5	Negligible	Negligible
7 - NEB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	35	45	10	38	31	-7	10	Negligible	Negligible
8 - EB	Harehill Road / Queen Elizabeth II Way Corridor, Between Harehill Road / QEII / South Heywood residential & local centre (Jct 3) and Manchester Road.	Congested Junction	Medium	36	32	-3	34	43	10	10	Negligible	Negligible
9 - NWB	Harehill Road, between Harehill Road / Queen Elizabeth II Way / South Heywood residential & local centre (Jct 3) and Hill Top Road.	Congested Junction	Medium	4	4	0	3	4	1	1	Negligible	Negligible
11- SEB	Harehill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	18	15	-4	25	20	-5	-4	Negligible	Negligible
11 - NWB	Harehill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	12	22	10	9	9	0	10	Negligible	Negligible
12 - SWB	Pilsworth Road, between Harehill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	20	25	5	28	36	8	8	Negligible	Negligible
12 - NB	Pilsworth Road, between Harehill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	351	407	56	88	87	-1	56	Negligible	Negligible
13 - NEB	Pilsworth Road, between Harehill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	22	34	12	16	18	2	12	Negligible	Negligible
13 - SWB	Pilsworth Road, between Harehill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	12	9	-4	13	10	-3	-3	Negligible	Negligible
15 - WB	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	10	11	1	11	12	1	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	24	21	-3	28	25	-3	-3	Negligible	Negligible
16 - SWB	Pilsworth Road, between Heywood Distribution Park and Access to Committed Development on South Side of Pilsworth Road	Distribution Park	Low	16	15	-1	15	14	0	0	Negligible	Negligible
17 - EB	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	10	8	-3	10	7	-3	-3	Negligible	Negligible
17 - WB	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	0	3	3	0	3	3	3	Negligible	Negligible
18 - NB	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	159	3	-156	48	5	-43	-43	Negligible	Negligible
19 - SEB	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	9	5	-4	10	4	-6	-4	Negligible	Negligible
19 - NWB	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	43	3	-40	40	4	-36	-36	Negligible	Negligible
20 -EB	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	64	4	-60	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	38	5	-33	28	4	-24	-24	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	12	9	-3	19	14	-5	-3	Negligible	Negligible
38 - WB	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	22	25	3	18	22	3	3	Negligible	Negligible
39 - NEB	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	18	28	10	12	16	4	10	Negligible	Negligible
39 - SWB	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	82	229	147	63	83	20	147	Medium	Moderate
41 - SB	Manchester Road, north of Hollins Brow	Retail Park	Medium	52	215	163	41	60	18	163	Medium	Moderate