

Comparison 3b
2032 Do Minimum vs 2032 Do Something 3 - Cumulative (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	7138	-72	-1%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	11173	10736	-436	-4%	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	20087	19013	-1074	-5%	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	10232	-17	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	9934	-12	0%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	9869	10788	919	9%	Negligible	Negligible
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	10484	11288	803	8%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	11149	13273	2124	19%	Negligible	Negligible
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19210	19787	578	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	11118	13898	2780	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	14053	2782	25%	Negligible	Negligible
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	5047	11233	6186	123%	Large	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	13935	21801	7867	56%	Small	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	11829	20300	8471	72%	Medium	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	5842	6765	923	16%	Negligible	Negligible
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	7695	8338	642	8%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	4764	6729	1965	41%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	4444	2841	-1603	-36%	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	6194	6595	401	6%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	15121	15669	549	4%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	28500	28989	490	2%	Negligible	Negligible

Comparison 3b
2032 Do Minimum vs 2032 Do Something 3 - Cumulative (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	655	-73	670	734	64	64	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1169	1121	-48	948	935	-13	-13	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	1921	1825	-96	1602	1528	-74	-74	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	959	-23	821	870	50	50	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	919	-21	797	843	46	46	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	925	947	22	811	970	159	159	Small	Minor
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	937	1063	126	914	933	19	126	Small	Minor
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	938	1109	171	937	1189	252	252	Small	Minor
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1555	1610	55	1612	1627	15	55	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	1159	186	943	1256	313	313	Small	Minor
7	17	Pilsworth Road, between Access to Committed Development on South Side of Pilsworth Road & Moss Hall Road	Distribution Park	Low	982	1169	187	954	1270	316	316	Small	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	444	937	493	414	965	551	551	Medium	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1201	1872	671	1204	1973	770	770	Large	Moderate
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1043	1728	686	987	1862	874	874	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	883	129	587	631	44	129	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	457	588	130	319	514	195	195	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	403	215	-188	390	271	-119	-119	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	603	679	76	483	515	32	76	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1197	1248	51	1221	1277	56	56	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2366	2406	40	2384	2421	36	40	Negligible	Negligible

Comparison 3b
2032 Do Minimum vs 2032 Do Something 3 - Cumulative (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	655	-73	-10%	670	734	64	10%	10%	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	1169	1121	-48	-4%	948	935	-13	-1%	-1%	Negligible	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	1921	1825	-96	-5%	1602	1528	-74	-5%	-5%	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	959	-23	-2%	821	870	50	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	919	-21	-2%	797	843	46	6%	6%	Negligible	Negligible
4	11	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	925	947	22	2%	811	970	159	20%	20%	Negligible	Negligible
13	12	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	937	1063	126	13%	914	933	19	2%	13%	Negligible	Negligible
5	13	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	938	1109	171	18%	937	1189	252	27%	27%	Negligible	Negligible
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	1555	1610	55	4%	1612	1627	15	1%	4%	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	1159	186	19%	943	1256	313	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	1169	187	19%	954	1270	316	33%	33%	Negligible	Negligible
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	444	937	493	111%	414	965	551	133%	133%	Medium	Moderate
8	19	Moss Hall Road, between 3 arrows (Jct 9) and Fowler Welch (Jct 10)	Distribution Park	Low	1201	1872	671	56%	1204	1973	770	64%	64%	Small	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	1043	1728	686	66%	987	1862	874	89%	89%	Small	Minor
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	406	473	67	17%	602	707	105	18%	18%	Negligible	Negligible
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	754	883	129	17%	587	631	44	8%	17%	Negligible	Negligible
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	457	588	130	28%	319	514	195	61%	61%	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	403	215	-188	-47%	390	271	-119	-31%	-31%	Negligible	Negligible
57	38	Hollins Lane, between Hollins Brow / Croft Lane and Church Meadow	Residential Area: Adequate footways	Low	603	679	76	13%	483	515	32	7%	13%	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	1197	1248	51	4%	1221	1277	56	5%	5%	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	2366	2406	40	2%	2384	2421	36	2%	2%	Negligible	Negligible

Comparison 3b
2032 Do Minimum vs 2032 Do Something 3 - Cumulative (With 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	6539	363	741	28	0	0	10	10	Negligible	Negligible
35	4	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	9477	526	1495	64	0	10	30	40	Small	Negligible
29	7	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	17953	997	1403	41	10	10	30	50	Medium	Moderate
2	8	Harehill Road / Queen Elizabeth II Way Corridor, Between Harehill Road / QEII / South Heywood residential & local centre (Jct 3) and Manchester Road.	Congested Junction	Medium	8959	498	1502	35	0	10	20	30	Small	Minor
3	9	Harehill Road, between Harehill Road / Queen Elizabeth II Way / South Heywood residential & local centre (Jct 3) and Hill Top Road.	Congested Junction	Medium	8655	481	1503	37	0	10	20	30	Small	Minor
4	11	Harehill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	9496	528	1530	29	0	10	10	20	Negligible	Negligible
13	12	Pilsworth Road, between Harehill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	10713	595	775	33	0	0	20	20	Negligible	Negligible
5	13	Pilsworth Road, between Harehill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	11755	653	1807	24	10	10	10	30	Small	Minor
39	15	A58 Bridge Street – East of Pilsworth Road	Residential Area: Adequate footways	Low	19168	1065	947	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	12119	673	2092	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	12234	680	2138	33	10	20	20	50	Medium	Minor
12	18	Moss Hall Road, between Pilsworth Road and Whittle Lane	Congested Junction	Medium	10049	558	1422	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	19497	1083	2766	53	10	20	30	60	Medium	Minor
42	20	Pilsworth Road, between Moss Hall Road and M66	Congested Junction	Medium	18295	1016	2427	59	10	20	30	60	Medium	Moderate
10	21	Moss Hall Road, between Fowler Welch and Broadlands Industrial Access	Distribution Park	Low	6424	357	461	39	0	0	20	20	Negligible	Negligible
44	22	M66 Jct 3, Northbound Off-Slip.	Congested Junction	Medium	7572	421	935	84	0	0	30	30	Small	Minor
47	23	M66 Jct 3, Southbound Off-Slip.	Congested Junction	Medium	6349	353	502	85	0	0	30	30	Small	Minor
14	33	Whittle Lane, west of Heywood Old Road	Residential Area: Adequate footways	Low	2880	160	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	6602	367	89	33	0	0	20	20	Negligible	Negligible
61	39	Hollins Brow, between Hollins Lane and Manchester Road	Congested Junction	Medium	15504	861	404	20	10	0	0	10	Negligible	Negligible
60	41	Manchester Road, north of Hollins Brow	Retail Park	Medium	28900	1606	518	19	20	0	0	20	Negligible	Negligible

Comparison 3b

2032 Do Minimum vs 2032 Do Something 3 - Cumulative (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	13	-247	26	21	-5	-5	Negligible	Negligible
4 - EB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	30	15	-15	29	16	-13	-13	Negligible	Negligible
4 - WB	Queen Elizabeth II Way, between M62 Jct 19 and Manchester Road.	Greenfields	Negligible	34	29	-5	35	40	5	5	Negligible	Negligible
7 - SWB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	21	31	10	23	30	7	10	Negligible	Negligible
7 - NEB	Manchester Road, between Queen Elizabeth II Way and Coronation Avenue.	Congested Junction	Medium	35	45	9	38	30	-8	9	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	36	34	-2	34	42	9	9	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	4	4	0	3	4	1	1	Negligible	Negligible
11- SEB	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	18	15	-4	25	20	-5	-4	Negligible	Negligible
11 - NWB	Hareshill Road, between Hill Top Road and Pilsworth Road.	Distribution Park	Low	12	17	5	9	10	1	5	Negligible	Negligible
12 - SWB	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	20	24	4	28	37	9	9	Negligible	Negligible
12 - NB	Pilsworth Road, between Hareshill Road / Pilsworth Road and A58 Bury St	Congested Junction	Medium	351	407	56	88	95	8	56	Negligible	Negligible
13 - NEB	Pilsworth Road, between Hareshill Road / Pilsworth Road and Heywood Distribution Park	Congested Junction	Medium	22	31	9	16	18	1	9	Negligible	Negligible
13 - SWB	Pilsworth Road, between Hareshill 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	-2	28	25	-3	-2	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									
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	4	4	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	213	131	63	84	22	131	Medium	Moderate
41 - SB	Manchester Road, north of Hollins Brow	Retail Park	Medium	52	186	133	41	61	19	133	Medium	Moderate