

Appendix Q: Junction Assessments: Results Overview Table (All Tested Scenarios)

Overview of the detailed capacity analysis for the 23 junctions within the Study Area



Summary of Results (DoS/ RFC)

TT Ref.	Jct. Name	Type	Run 0		Run 10		Run 13		Run 20		Run 14		Run 19		Run 17		Run 5		Run 8		Run 21		Run 22.1		Run 22.2		Run 22.3		Run 6		Run 25																					
			AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM	AM	IP	PM																	
			2022 Baseline			2030 Do Min			2039 DS3 - Run1			2039 DS3 S3 - TT			2039 DS3 - Run 2			2039 DS3 S2			2039 DS3 S1			2032 Do Min			2032 DS3 - Run 1			2039 DS3 S3.2			2039 DS1 S4.1			2039 DS1 S4.2			2039 DS1 - S4.3			2032 DS1a			2039 DS3							
1	M62 J19 - TT TRANSYT, supplement with NH microsim model	Signals	92.0%	83.0%	91.0%	152.0%	84.0%	90.0%	173.0%	93.0%	96.0%	89.0%	57.0%	72.0%	82.0%	68.0%	86.0%	82.0%	75.0%	75.0%	152.0%	92.0%	99.0%	115.0%	76.0%	86.0%	144.0%	80.0%	89.0%	117.0%	72.0%	88.0%	0.0%	0.0%	0.0%	155.0%	80.0%	90.0%	103.0%	62.0%	81.0%	117.0%	74.0%	88.0%	85.0%	66.0%	71.0%					
2	A6045 Manchester Road / Queen Elizabeth II Way (QEII Way)	Signals	53.8%	32.6%	40.9%	65.9%	58.9%	63.2%	81.1%	80.6%	78.4%	52.7%	35.3%	42.6%	58.3%	50.1%	75.8%	57.2%	50.3%	56.4%	86.2%	76.7%	71.4%	59.8%	50.0%	52.1%	64.8%	58.0%	58.1%	70.3%	47.4%	66.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	155.0%	80.0%	90.0%	103.0%	62.0%	81.0%	117.0%	74.0%	88.0%	85.0%	66.0%	71.0%		
3	QEII Way / Hareshill Road / SH residential & local centre		This junction is no longer proposed by South Heywood Development																																																	
4	Hareshills Road / Hill Top Road	Signals	65.9%	40.5%	50.7%	68.6%	57.3%	67.1%	81.4%	61.3%	60.6%	46.8%	46.8%	50.8%	64.2%	71.4%	57.6%	65.6%	61.5%	71.4%	86.7%	76.8%	78.3%	57.8%	50.8%	61.4%	64.7%	51.2%	60.7%	60.7%	42.4%	53.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	58.3%	47.4%	58.9%	54.3%	52.1%	58.0%				
5	Hareshill Road / Pilsworth Road	Signals	49.3%	45.4%	43.1%	65.8%	63.4%	57.8%	91.2%	75.6%	77.1%	73.8%	51.3%	63.0%	81.3%	67.5%	74.6%	76.9%	65.7%	76.2%	98.1%	81.5%	87.4%	59.8%	58.0%	54.9%	75.4%	68.4%	74.1%	78.4%	62.6%	69.5%	0.0%	0.0%	0.0%	84.3%	70.8%	74.5%	0.0%	0.0%	0.0%	79.0%	61.4%	74.6%	55.7%	42.0%	61.0%					
6	A58 Bury St / Pilsworth Road	Signals	99.1%	74.5%	85.9%	125.8%	83.6%	98.7%	157.8%	105.8%	105.1%	108.9%	102.8%	73.7%	83.1%	139.1%	92.6%	100.4%	146.2%	97.1%	101.3%	167.3%	105.9%	105.5%	117.8%	79.5%	95.5%	130.6%	84.8%	94.3%	105.8%	78.9%	82.8%	144.5%	87.5%	96.9%	157.9%	98.5%	97.9%	96.4%	69.7%	80.6%	123.4%	84.9%	93.9%	114.4%	74.9%	81.2%				
7	Pilsworth Road / Heywood Distribution Centre	Priority	26.0%	29.0%	35.0%	45.0%	62.0%	59.0%	98.0%	89.0%	80.0%	29.0%	31.0%	39.0%	67.0%	65.0%	68.0%	63.0%	68.0%	65.0%	108.0%	108.0%	99.0%	40.0%	53.0%	53.0%	61.0%	68.0%	70.0%	42.0%	38.0%	47.0%	0.0%	0.0%	0.0%	83.0%	87.0%	79.0%	0.0%	0.0%	0.0%	61.0%	67.0%	70.0%	35.0%	31.0%	38.0%					
8	Pilsworth Road / JPA1.1 & SHDA employment	Priority	0.0%	0.0%	0.0%	6.0%	5.0%	5.0%	12.0%	8.0%	8.0%	1.0%	0.0%	1.0%	8.0%	7.0%	7.0%	7.0%	5.0%	6.0%	18.0%	11.0%	10.0%	6.0%	5.0%	5.0%	7.0%	7.0%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.0%	7.0%	7.0%	0.0%	0.0%	0.0%				
9	3 Arrows (Pilsworth Road / Moss Hall Road - South)	Priority	77.0%	44.0%	72.0%	102.0%	65.0%	80.0%	77.0%	82.0%	101.0%	65.0%	43.0%	56.0%	75.0%	54.0%	68.0%	72.0%	49.0%	59.0%	93.0%	101.0%	131.0%	102.0%	63.0%	80.0%	50.0%	41.0%	55.0%	70.0%	67.0%	84.0%	0.0%	0.0%	0.0%	60.0%	55.0%	71.0%	0.0%	0.0%	0.0%	51.0%	41.0%	53.0%	65.0%	39.0%	52.0%					
10	Fowler Welch (Pilsworth Road / Moss Hall Road - North)	Priority	85.6%	72.4%	82.3%	90.4%	75.7%	86.6%	66.0%	67.0%	85.0%	58.0%	47.0%	58.0%	68.0%	59.0%	71.0%	67.0%	56.0%	63.0%	73.0%	76.0%	95.0%	89.3%	80.3%	86.3%	49.0%	42.0%	61.0%	59.0%	53.0%	71.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	49.0%	42.0%	60.0%	57.0%	43.0%	54.0%				
11	M66 J3 - WSP have been commissioned to update VISSIM model	Signals																																																		
12	M66 J2 - TT TRANSYT, supplement with NH microsim model	Signals	101.0%	83.0%	97.0%	124.0%	97.0%	108.0%	131.0%	98.0%	115.0%	104.0%	87.0%	101.0%	124.0%	99.0%	116.0%	124.0%	99.0%	116.0%	134.0%	100.0%	114.0%	113.0%	86.0%	100.0%	112.0%	89.0%	106.0%	101.0%	88.0%	100.0%	120.0%	94.0%	112.0%	127.0%	95.0%	115.0%	101.0%	85.0%	99.0%	112.0%	89.0%	106.0%	105.0%	88.0%	102.0%					
13	Whittle Lane / A6045 Heywood Old Road	Priority	33.0%	20.0%	38.0%	32.0%	20.0%	35.0%	57.0%	51.0%	74.0%	17.0%	16.0%	25.0%	27.0%	18.0%	39.0%	28.0%	18.0%	32.0%	0.0%	0.0%	0.0%	31.0%	20.0%	37.0%	25.0%	18.0%	34.0%	40.0%	23.0%	56.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	25.0%	19.0%	34.0%	0.0%	0.0%	0.0%
14	A6045 Heywood Old Road / Langley Lane	Signals	78.5%	47.1%	76.1%	81.4%	62.3%	83.0%	104.4%	69.2%	84.6%	67.7%	46.7%	67.8%	73.2%	60.3%	83.4%	74.9%	62.3%	82.0%	69.1%	56.0%	74.0%	80.8%	56.2%	81.2%	73.3%	56.0%	81.4%	71.7%	49.3%	70.6%	0.0%	0.0%	0.0%	80.5%	60.1%	81.9%	0.0%	0.0%	0.0%	76.8%	59.8%	81.5%	51.3%	41.6%	60.6%					
15	Langley Lane / A6046 Hollin Lane	Priority	57.0%	33.0%	50.0%	52.0%	37.0%	53.0%	79.0%	50.0%	58.0%	54.0%	34.0%	39.0%	52.0%	46.0%	55.0%	53.0%	45.0%	55.0%	64.0%	28.0%	43.0%	55.0%	37.0%	51.0%	54.0%	43.0%	55.0%	59.0%	36.0%	49.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	52.0%	41.0%	54.0%	51.0%	16.0%	21.0%				
16	A6045 Manchester Road / Coronation Avenue	Signals	89.4%	88.7%	89.1%	87.8%	70.8%	87.6%	99.6%	79.3%	88.2%	78.3%	59.2%	74.0%	96.1%	74.8%	85.8%	95.2%	74.6%	82.3%	111.7%	78.9%	88.3%	84.2%	80.4%	89.8%	91.8%	64.5%	85.0%	80.3%	63.7%	79.2%	91.0%	71.8%	86.2%	92.1%	69.2%	88.5%	0.0%	0.0%	0.0%	88.4%	65.5%	87.7%	75.1%	56.4%	71.5%					
17	Hollins Brow / Hollins Lane	Priority	73.0%	54.0%	66.0%	85.0%	73.0%	76.0%	100.0%	74.0%	87.0%	85.0%	62.0%	75.0%	102.0%	77.0%	85.0%	103.0%	78.0%	85.0%	106.0%	76.0%	89.0%	81.0%	64.0%	73.0%	86.0%	64.0%	76.0%	86.0%	60.0%	76.0%	94.0%	75.0%	80.0%	93.0%	70.0%	81.0%	0.0%	0.0%	0.0%	86.0%	64.0%	76.0%	62.0%	75.0%						
18	Hollins Brow / A56 Manchester Road	Signals	90.2%	77.8%	89.5%	97.1%	91.0%	99.1%	100.1%	92.0%	110.7%	98.3%	84.0%	91.5%	107.3%	93.4%	107.1%	107.6%	94.6%	105.6%	100.4%	93.9%	113.1%	97.8%	88.4%	94.8%	97.4%	85.3%	106.3%	103.9%	85.7%	91.9%	99.6%	93.2%	101.8%	108.8%	90.3%	113.5%	96.4%	80.8%	90.7%	106.1%	86.5%	98.8%	98.8%	84.4%	90.7%					
19	M60 J18 - No model, consideration of impacts required (See HTWG notes 1)	Signals																																																		
20	M62 J20 - NH request this junction is assessed for JPA 1.2 only	Signals																																																		
21	M60 J19 - NH request this junction is assessed for JPA 1.2 only	Both																																																		
22	A576 Middleton Road / A6045 Heywood Old Road	Signals	70.2%	51.6%	89.6%	81.4%	68.4%	83.3%	92.4%	76.6%	92.5%	85.6%	67.7%	84.9%	94.9%	76.4%	91.9%	93.5%	75.4%	91.6%	94.3%	77.0%	91.9%	78.7%	63.4%	80.7%	80.7%	67.7%	82.3%	84.1%	68.4%	89.5%	84.5%	76.9%	87.7%	80.7%	76.1%	85.3%	0.0%	0.0%	0.0%	85.0%	69.7%	82.8%	81.3%	64.2%	100.0%					
23	A58 Rochdale Road / B6221 Wash Lane traffic signals (TRANSYT with J12)	Signals	73.0%	70.0%	74.0%	80.0%	82.0%	82.0%	84.0%	82.0%	82.0%	75.0%	65.0%	78.0%	85.0%	82.0%	83.0%	78.0%	75.0%	79.0%	79.0%	75.0%	78.0%	82.0%	73.0%	79.0%	86.0%	78.0%	77.0%	79.0%	74.0%	77.0%	87.0%	79.0%	82.0%	87.0%	80.0%	81.0%	85.0%	76.0%	80.0%	75.0%	77.0%	77.0%	78.0%	65.0%	76.0%					

DoS/ RFC = <90%

DoS/ RFC 90% to 100%

DoS/ RFC > 100%