

The West Midlands Rail Freight Interchange Order 201X  
Technical Appendix 13.5 - Operational Noise Assessment information  
Regulation 5(2)(a)  
Resound - July 2018

## Technical Appendix 13.5: Operational Noise Assessment Information

**Table A13.5.1: Off-site daytime road traffic flows – 2021**

Road	2016 baseline	2021 No development	2021 With development
M6 between Junction 13 and 14 (northbound)	64,931 (20.2)	80,202 (15.9)	80,579 (16.1)
M6 between Junction 13 and 14 (southbound)	64,322 (21.3)	83,765 (15)	84,586 (15.3)
A449 between M6 J13 and Pinfold Lane	13,794 (2.9)	16,997 (6.7)	19,001 (7.4)
Teddesley Road between Marsh Lane and Penkridge Road	3,371 (0.6)	3,521 (0.6)	3,521 (0.6)
Cannock Road between Wolgarston Way and A34	11,626 (1.3)	16,924 (6.7)	17,532 (7.9)
A5 between M6 Junction 12 and Proposed Site Access	20,898 (12.4)	23,153 (6)	32,828 (15)
A5 between Vicarage Road and M6 J12	18,795 (21.5)	19,851 (15.2)	23,982 (18.4)
M6 between Junction 9 and 10 (northbound)	89,882 (18.6)	131,524 (11.8)	132,228 (12.3)
M6 between Junction 9 and 10 (southbound)	82,497 (15)	106,575 (13.4)	108,165 (14.2)
A5 between Vicarage Road and A4061 Wolverhampton Road	20,468 (15.6)	22,632 (12.3)	25,425 (13.5)
A5 between A449 and Proposed Site Access	20,239 (15.1)	21,451 (7.1)	21,091 (11.6)
A5 between A449 and A41	14,047 (4.3)	18,840 (5.7)	20,039 (7.4)
A5 between A41 and A4640 Redhill Way	8,447 (4.3)	11,571 (10.1)	11,766 (11.3)
A449 between A5 and Gravelly Way (northbound)	9,228 (16.2)	11,842 (4.2)	12,237 (8.8)
A449 between A5 and Gravelly Way (southbound)	9,695 (15.2)	11,119 (3.6)	10,460 (9.2)
A449 between Gravelly Way and Station Drive (northbound)	9,888 (8)	10,737 (3)	15,698 (6.9)
A449 between Gravelly Way and Station Drive (southbound)	9,652 (9)	12,132 (3.1)	14,601 (10.7)
Vicarage Road between Site Access and A5	6,594 (6.8)	6,574 (7.4)	8,503 (21.9)
Straight Mile between Vicarage Road and Oak Lane	1,719 (0.6)	1,802 (1.4)	1,822 (1.8)
Station Road / Vicarage Road between Enterprise Drive and Proposed Site Access	8,217 (5.3)	6,416 (7.4)	5,472 (11)
Station Drive between A449 and Enterprise Drive	9,604 (2.5)	10,299 (6.5)	9,084 (8.3)
Four Ashes Road between A449 and Claygates Road	2,048 (0.5)	2,163 (2.7)	2,289 (3.5)
A449 between Station Drive and Brewood Road (northbound)	13,987 (4.6)	16,030 (3.4)	18,644 (6.8)
A449 between Station Drive and Brewood Road (southbound)	15,129 (4.8)	15,957 (3.6)	18,561 (9)
Old Stafford Road between A449 and New Road	2,483 (2.4)	2,593 (2.4)	2,593 (2.4)
Coven Road / Brewood Road / Poplars Farm Way between Lawn Lane and Tinkers lane	3,612 (0.5)	3,772 (0.5)	3,772 (0.5)
Poplars Farm Way between A449 and Lawn Lane	9,143 (0.6)	8,434 (2.6)	8,706 (2.4)
Lawn Lane between Brewood Road and Wobaston Road	4,860 (0.9)	5,075 (0.9)	5,075 (0.9)
A449 Stafford Road M54 J2 to Brewood Road (northbound)	11,535 (17.7)	14,074 (3.8)	16,415 (7.2)
A449 Stafford Road M54 J2 to Brewood Road (southbound)	11,637 (16.5)	14,727 (4)	16,742 (9)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (northbound)	15,413 (14.9)	18,161 (3.7)	20,035 (6)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (southbound)	17,901 (13.9)	21,867 (3.5)	23,196 (5.9)
Wobaston Road between Stafford Road and The Droveaway	21,284 (6.4)	27,688 (1.8)	27,947 (1.7)
A449 Stafford Road between Wobaston Road and A460	29,281 (13.7)	37,997 (2.7)	40,764 (5.2)

Road	2016 baseline	2021 No development	2021 With development
Church Road between A449 Stafford Road and Three Tuns Lane	959 (0.4)	1,001 (0.4)	1,001 (0.4)
Bargate Street, Brewood	2,772 (0.8)	2,895 (0.8)	2,895 (0.8)
Sandy Lane / The Pavement, Brewood	3,275 (0.6)	3,420 (0.6)	3,420 (0.6)
Coven Road, Brewood between The Pavement and Tinkers Lane	5,089 (0.6)	5,315 (0.6)	5,315 (0.6)
B5012 Wolgarston Way between Cannock Road and A449	9,298 (1.5)	8,195 (5.9)	8,927 (5.5)
A449 between B5012 Boscomoor Lane and Pinfold Lane	17,751 (4.2)	13,947 (9.7)	15,872 (8.5)
A449 between B5012 Boscomoor Lane and A5	20,929 (2.4)	23,763 (3.9)	25,352 (5.9)
Camp Road between Penkridge Bank Road and A34	3,796 (0.5)	3,964 (0.5)	3,964 (0.5)
Penkridge Bank Road between Broadhurst Green Road and Marquis Drive	5,329 (2.1)	5,565 (2.1)	5,565 (2.1)
A5 between A4601 Wolverhampton Road and M6 Toll	21,509 (7.1)	26,617 (15.1)	27,000 (15.8)
A4601 Wolverhampton Road between A5 and M6 Toll	16,151 (3.1)	19,336 (14)	19,431 (14.1)
A4601 Wolverhampton Road between A5 and Longford Road	15,995 (1.4)	16,142 (7.9)	16,365 (8.4)
Bursnips Road	9,295 (7.8)	9,884 (7.8)	9,884 (7.8)
M6 between Junction 10 and 10a (northbound)	65,938 (15)	106,332 (14.9)	107,915 (15.5)
M6 between Junction 10 and 10a (southbound)	65,319 (15.7)	100,505 (15.9)	102,556 (16.7)
M6 between Junction 12 and 13 (northbound)	55,282 (13.9)	74,917 (13.7)	76,274 (13.8)
M6 between Junction 12 and 13 (southbound)	54,763 (14.7)	80,561 (14.6)	82,427 (14.6)
M6 between Junction 11a and 12 (northbound)	61,415 (16.3)	73,071 (13.8)	76,953 (15.1)
M6 between Junction 11a and 12 (southbound)	60,839 (17.2)	75,796 (14.6)	79,352 (15.9)
M6 between Junction 10a and 11 (northbound)	47,615 (18.5)	61,541 (18.3)	63,490 (19.1)
M6 between Junction 10a and 11 (southbound)	47,169 (19.5)	57,444 (19.3)	59,692 (20.4)
A5 between A34 and B4154	27,668 (12.2)	29,014 (13.2)	29,018 (13.4)
Notes: All roads are two-way, unless stated otherwise. Data presented in the form of 18 hour AAWT flows with the percentage of HGVs in brackets			

**Table A13.5.2: Off-site daytime road traffic flows – 2036**

Road	2016 baseline	2021 No development	2021 With development
M6 between Junction 13 and 14 (northbound)	64,931 (20.2)	90,039 (15.9)	90,369 (16.1)
M6 between Junction 13 and 14 (southbound)	64,322 (21.3)	94,039 (15)	94,859 (15.2)
A449 between M6 J13 and Pinfold Lane	13,794 (2.9)	18,399 (6.7)	20,537 (7.3)
Teddesley Road between Marsh Lane and Penkridge Road	3,371 (0.6)	3,831 (0.6)	3,831 (0.6)
Cannock Road between Wolgarston Way and A34	11,626 (1.3)	18,320 (6.7)	18,937 (7.9)
A5 between M6 Junction 12 and Proposed Site Access	20,898 (12.4)	25,279 (6)	35,346 (14.5)
A5 between Vicarage Road and M6 J12	18,795 (21.5)	21,674 (15.2)	25,923 (18.1)
M6 between Junction 9 and 10 (northbound)	89,882 (18.6)	147,655 (11.8)	148,222 (12.3)
M6 between Junction 9 and 10 (southbound)	82,497 (15)	119,646 (13.4)	121,192 (14.1)
A5 between Vicarage Road and A4061 Wolverhampton Road	20,468 (15.6)	24,710 (12.3)	27,527 (13.4)
A5 between A449 and Proposed Site Access	20,239 (15.1)	23,420 (7.1)	22,843 (11.4)
A5 between A449 and A41	14,047 (4.3)	20,394 (5.7)	21,611 (7.3)

Road	2016 baseline	2021 No development	2021 With development
A5 between A41 and A4640 Redhill Way	8,447 (4.3)	12,525 (10.1)	12,706 (11.1)
A449 between A5 and Gravelly Way (northbound)	9,228 (16.2)	12,930 (4.2)	13,267 (8.5)
A449 between A5 and Gravelly Way (southbound)	9,695 (15.2)	12,140 (3.6)	11,300 (9)
A449 between Gravelly Way and Station Drive (northbound)	9,888 (8)	11,723 (3)	16,969 (6.8)
A449 between Gravelly Way and Station Drive (southbound)	9,652 (9)	13,246 (3.1)	15,771 (10.5)
Vicarage Road between Site Access and A5	6,594 (6.8)	7,154 (7.4)	8,864 (21.3)
Straight Mile between Vicarage Road and Oak Lane	1,719 (0.6)	1,961 (1.4)	1,982 (1.8)
Station Road / Vicarage Road between Enterprise Drive and Proposed Site Access	8,217 (5.3)	6,982 (7.4)	5,831 (10.8)
Station Drive between A449 and Enterprise Drive	9,604 (2.5)	11,209 (6.5)	9,768 (8.2)
Four Ashes Road between A449 and Claygates Road	2,048 (0.5)	2,354 (2.7)	2,491 (3.5)
A449 between Station Drive and Brewood Road (northbound)	13,987 (4.6)	17,502 (3.4)	20,152 (6.7)
A449 between Station Drive and Brewood Road (southbound)	15,129 (4.8)	17,423 (3.6)	20,074 (8.8)
Old Stafford Road between A449 and New Road	2,483 (2.4)	2,822 (2.4)	2,822 (2.4)
Coven Road / Brewood Road / Poplars Farm Way between Lawn Lane and Tinkers lane	3,612 (0.5)	4,105 (0.5)	4,105 (0.5)
Poplars Farm Way between A449 and Lawn Lane	9,143 (0.6)	9,179 (2.6)	9,452 (2.4)
Lawn Lane between Brewood Road and Wobaston Road	4,860 (0.9)	5,523 (0.9)	5,523 (0.9)
A449 Stafford Road M54 J2 to Brewood Road (northbound)	11,535 (17.7)	15,367 (3.8)	17,739 (7.1)
A449 Stafford Road M54 J2 to Brewood Road (southbound)	11,637 (16.5)	16,079 (4)	18,110 (8.8)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (northbound)	15,413 (14.9)	19,801 (3.7)	21,724 (5.9)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (southbound)	17,901 (13.9)	23,842 (3.5)	25,198 (5.8)
Wobaston Road between Stafford Road and The Drove	21,284 (6.4)	30,575 (1.8)	30,862 (1.7)
A449 Stafford Road between Wobaston Road and A460	29,281 (13.7)	41,589 (2.7)	44,411 (5.1)
Church Road between A449 Stafford Road and Three Tuns Lane	959 (0.4)	1,106 (0.4)	1,106 (0.4)
Bargate Street, Brewood	2,772 (0.8)	3,197 (0.8)	3,197 (0.8)
Sandy Lane / The Pavement, Brewood	3,275 (0.6)	3,776 (0.6)	3,776 (0.6)
Coven Road, Brewood between The Pavement and Tinkers Lane	5,089 (0.6)	5,869 (0.6)	5,869 (0.6)
B5012 Wolgarston Way between Cannock Road and A449	9,298 (1.5)	9,049 (5.9)	9,805 (5.5)
A449 between B5012 Boscomoor Lane and Pinfold Lane	17,751 (4.2)	15,265 (9.7)	17,134 (8.4)
A449 between B5012 Boscomoor Lane and A5	20,929 (2.4)	25,724 (3.9)	27,336 (5.8)
Camp Road between Penkrige Bank Road and A34	3,796 (0.5)	4,314 (0.5)	4,314 (0.5)
Penkrige Bank Road between Broadhurst Green Road and Marquis Drive	5,329 (2.1)	6,056 (2.1)	6,056 (2.1)
A5 between A4601 Wolverhampton Road and M6 Toll	21,509 (7.1)	29,021 (15.1)	29,288 (15.8)
A4601 Wolverhampton Road between A5 and M6 Toll	16,151 (3.1)	21,164 (14)	21,250 (14.1)
A4601 Wolverhampton Road between A5 and Longford Road	15,995 (1.4)	17,667 (7.9)	17,867 (8.3)
Bursnips Road	9,295 (7.8)	10,699 (7.8)	10,699 (7.8)

Road	2016 baseline	2021 No development	2021 With development
M6 between Junction 10 and 10a (northbound)	65,938 (15)	119,373 (14.9)	120,909 (15.4)
M6 between Junction 10 and 10a (southbound)	65,319 (15.7)	112,832 (15.9)	114,870 (16.6)
M6 between Junction 12 and 13 (northbound)	55,282 (13.9)	84,106 (13.7)	85,550 (13.7)
M6 between Junction 12 and 13 (southbound)	54,763 (14.7)	90,441 (14.6)	92,442 (14.6)
M6 between Junction 11a and 12 (northbound)	61,415 (16.3)	82,033 (13.8)	86,006 (14.9)
M6 between Junction 11a and 12 (southbound)	60,839 (17.2)	85,092 (14.6)	88,787 (15.7)
M6 between Junction 10a and 11 (northbound)	47,615 (18.5)	69,089 (18.3)	71,036 (19)
M6 between Junction 10a and 11 (southbound)	47,169 (19.5)	64,489 (19.3)	66,751 (20.3)
A5 between A34 and B4154	27,668 (12.2)	31,678 (13.2)	31,612 (13.4)
Notes: All roads are two-way, unless stated otherwise. Data presented in the form of 18 hour AAWT flows with the percentage of HGVs in brackets			

**Table A13.5.3: Off-site night-time road traffic flows – 2021**

Road	2016 baseline	2021 No development	2021 With development
M6 between Junction 13 and 14 (northbound)	8,246 (48.1)	10,191 (37.8)	10,366 (37.8)
M6 between Junction 13 and 14 (southbound)	9,456 (42.5)	12,322 (30)	12,563 (30.2)
A449 between M6 J13 and Pinfold Lane	1,051 (8)	1,295 (18.2)	1,529 (20.4)
Teddesley Road between Marsh Lane and Penkridge Road	176 (0.5)	181 (0.5)	181 (0.5)
Cannock Road between Wolgarston Way and A34	649 (1.5)	945 (7.7)	1,103 (9.4)
A5 between M6 Junction 12 and Proposed Site Access	1,482 (67.1)	3,402 (15.4)	5,418 (30.1)
A5 between Vicarage Road and M6 J12	3,678 (41)	3,884 (28.9)	4,972 (30.7)
M6 between Junction 9 and 10 (northbound)	11,069 (37.3)	14,524 (26.2)	14,932 (26.9)
M6 between Junction 9 and 10 (southbound)	14,221 (28.9)	20,512 (23.4)	21,010 (24.5)
A5 between Vicarage Road and A4061 Wolverhampton Road	2,240 (38)	2,508 (31.9)	3,293 (29.5)
A5 between A449 and Proposed Site Access	3,896 (42.3)	4,129 (19.3)	4,264 (25.2)
A5 between A449 and A41	1,104 (8.9)	1,482 (11.7)	1,789 (16.1)
A5 between A41 and A4640 Redhill Way	624 (8.5)	856 (20)	948 (24.8)
A449 between A5 and Gravelly Way (northbound)	398 (16.2)	1,703 (11.3)	1,911 (19)
A449 between A5 and Gravelly Way (southbound)	326 (20.1)	1048 (6)	1,249 (16.7)
A449 between Gravelly Way and Station Drive (northbound)	839 (16.7)	912 (6.2)	1,732 (12.9)
A449 between Gravelly Way and Station Drive (southbound)	1,201 (24.7)	1,511 (8.6)	2,137 (23.3)
Vicarage Road between Site Access and A5	541 (14.9)	540 (16.2)	1,643 (29.9)
Straight Mile between Vicarage Road and Oak Lane	88 (0.9)	93 (2)	98 (2.5)
Station Road / Vicarage Road between Enterprise Drive and Proposed Site Access	629 (11.8)	492 (16.5)	732 (18.9)
Station Drive between A449 and Enterprise Drive	735 (5.6)	789 (14.3)	994 (16.2)
Four Ashes Road between A449 and Claygates Road	100 (0.4)	106 (2.2)	112 (2.8)
A449 between Station Drive and Brewood Road (northbound)	1,187 (9.6)	1,188 (7.5)	1,885 (13)
A449 between Station Drive and Brewood Road (southbound)	1,883 (13.1)	2,277 (9.5)	2,970 (19.3)
Old Stafford Road between A449 and New Road	136 (3.8)	140 (3.8)	140 (3.8)

Road	2016 baseline	2021 No development	2021 With development
Coven Road / Brewood Road / Poplars Farm Way between Lawn Lane and Tinkers lane	150 (0.5)	154 (0.5)	154 (0.5)
Poplars Farm Way between A449 and Lawn Lane	512 (0.3)	472 (1.3)	553 (1)
Lawn Lane between Brewood Road and Wobaston Road	258 (0.9)	266 (0.9)	266 (0.9)
A449 Stafford Road M54 J2 to Brewood Road (northbound)	1,170 (35.3)	1,427 (7.5)	2,062 (12.7)
A449 Stafford Road M54 J2 to Brewood Road (southbound)	1,148 (24.1)	1,453 (5.8)	2,016 (14.5)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (northbound)	2,042 (17.9)	2,407 (4.4)	2,877 (7.8)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (southbound)	1,709 (15.9)	2,087 (4)	2,419 (8.4)
Wobaston Road between Stafford Road and The Droveway	1,843 (8.9)	2,398 (2.4)	2,420 (2.4)
A449 Stafford Road between Wobaston Road and A460	2,997 (17.6)	3,889 (3.4)	4,600 (7.8)
Church Road between A449 Stafford Road and Three Tuns Lane	45 (0)	47 (0)	47 (0)
Bargate Street, Brewood	72 (0.6)	74 (0.6)	74 (0.6)
Sandy Lane / The Pavement, Brewood	123 (0.5)	127 (0.5)	127 (0.5)
Coven Road, Brewood between The Pavement and Tinkers Lane	182 (0.4)	187 (0.4)	187 (0.4)
B5012 Wolgarston Way between Cannock Road and A449	482 (1.8)	1,077 (5.8)	1,259 (5.9)
A449 between B5012 Boscomoor Lane and Pinfold Lane	1,358 (10.7)	640 (11.8)	869 (16)
A449 between B5012 Boscomoor Lane and A5	1,601 (6.3)	1,819 (9.9)	2,226 (14.7)
Camp Road between Penkrudge Bank Road and A34	298 (0.1)	306 (0.1)	306 (0.1)
Penkrudge Bank Road between Broadhurst Green Road and Marquis Drive	355 (3.2)	365 (3.2)	365 (3.2)
A5 between A4601 Wolverhampton Road and M6 Toll	2,059 (23.2)	1,781 (43.4)	2,192 (39)
A4601 Wolverhampton Road between A5 and M6 Toll	1,718 (5.4)	1,680 (50)	1,729 (49)
A4601 Wolverhampton Road between A5 and Longford Road	1,638 (2.1)	1,735 (14.7)	1,849 (15.1)
Bursnips Road	989 (13.7)	1,041 (13.7)	1,041 (13.7)
M6 between Junction 10 and 10a (northbound)	8,374 (35.6)	9,508 (22.9)	10,049 (24.2)
M6 between Junction 10 and 10a (southbound)	9,603 (31.5)	8,649 (24.9)	9,266 (26.6)
M6 between Junction 12 and 13 (northbound)	7,020 (33.2)	9,520 (32.6)	9,799 (32.4)
M6 between Junction 12 and 13 (southbound)	8,051 (29.3)	11,851 (29.3)	12,242 (28.8)
M6 between Junction 11a and 12 (northbound)	7,799 (38.8)	9,285 (32.9)	10,298 (33.8)
M6 between Junction 11a and 12 (southbound)	8,944 (34.3)	11,150 (29.2)	12,019 (30.7)
M6 between Junction 10a and 11 (northbound)	6,047 (44)	7,820 (43.6)	8,393 (43.5)
M6 between Junction 10a and 11 (southbound)	6,934 (38.9)	8,450 (38.5)	9,090 (39.3)
A5 between A34 and B4154	2,943 (21.5)	4,610 (26.4)	4,719 (26.1)
Notes: All roads are two-way, unless stated otherwise. Data presented in the form of 8 hour AAWT flows with the percentage of HGVs in brackets			

**Table A13.5.4: Off-site night-time road traffic flows – 2036**

Road	2016 baseline	2036 No development	2036 With development
M6 between Junction 13 and 14 (northbound)	8,246 (48.1)	11,441 (37.8)	11,609 (37.8)
M6 between Junction 13 and 14 (southbound)	9,456 (42.5)	13,833 (30)	14,074 (30.2)
A449 between M6 J13 and Pinfold Lane	1,051 (8)	1,402 (18.2)	1,646 (20.1)
Teddesley Road between Marsh Lane and Penkridge Road	176 (0.5)	197 (0.5)	197 (0.5)
Cannock Road between Wolgarston Way and A34	649 (1.5)	1,023 (7.7)	1,182 (9.3)
A5 between M6 Junction 12 and Proposed Site Access	1,482 (67.1)	3,715 (15.4)	5,770 (29.7)
A5 between Vicarage Road and M6 J12	3,678 (41)	4,241 (28.9)	5,352 (30.6)
M6 between Junction 9 and 10 (northbound)	11,069 (37.3)	16,306 (26.2)	16,698 (26.8)
M6 between Junction 9 and 10 (southbound)	14,221 (28.9)	23,028 (23.4)	23,517 (24.3)
A5 between Vicarage Road and A4061 Wolverhampton Road	2,240 (38)	2,739 (31.9)	3,526 (29.7)
A5 between A449 and Proposed Site Access	3,896 (42.3)	4,508 (19.3)	4,602 (25)
A5 between A449 and A41	1,104 (8.9)	1,604 (11.7)	1,913 (15.8)
A5 between A41 and A4640 Redhill Way	624 (8.5)	926 (20)	1,017 (24.3)
A449 between A5 and Gravelly Way (northbound)	398 (16.2)	1,859 (11.3)	2,059 (18.6)
A449 between A5 and Gravelly Way (southbound)	326 (20.1)	1,144 (6)	1,328 (16.3)
A449 between Gravelly Way and Station Drive (northbound)	839 (16.7)	996 (6.2)	1,840 (12.8)
A449 between Gravelly Way and Station Drive (southbound)	1,201 (24.7)	1,649 (8.6)	2,283 (23.2)
Vicarage Road between Site Access and A5	541 (14.9)	587 (16.2)	1,672 (29.6)
Straight Mile between Vicarage Road and Oak Lane	88 (0.9)	101 (2)	106 (2.5)
Station Road / Vicarage Road between Enterprise Drive and Proposed Site Access	629 (11.8)	535 (16.5)	759 (18.8)
Station Drive between A449 and Enterprise Drive	735 (5.6)	859 (14.3)	1,047 (16)
Four Ashes Road between A449 and Claygates Road	100 (0.4)	115 (2.2)	122 (2.8)
A449 between Station Drive and Brewood Road (northbound)	1,187 (9.6)	1,297 (7.5)	1,997 (13)
A449 between Station Drive and Brewood Road (southbound)	1,883 (13.1)	2,486 (9.5)	3,186 (19.1)
Old Stafford Road between A449 and New Road	136 (3.8)	152 (3.8)	152 (3.8)
Coven Road / Brewood Road / Poplars Farm Way between Lawn Lane and Tinkers lane	150 (0.5)	168 (0.5)	168 (0.5)
Poplars Farm Way between A449 and Lawn Lane	512 (0.3)	514 (1.2)	595 (1.1)
Lawn Lane between Brewood Road and Wobaston Road	258 (0.9)	289 (0.9)	289 (0.9)
A449 Stafford Road M54 J2 to Brewood Road (northbound)	1,170 (35.3)	1,558 (7.5)	2,196 (12.7)
A449 Stafford Road M54 J2 to Brewood Road (southbound)	1,148 (24.1)	1,586 (5.8)	2,151 (14.1)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (northbound)	2,042 (17.9)	2,624 (4.4)	3,101 (7.7)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (southbound)	1,709 (15.9)	2,276 (4)	2,611 (8.2)
Wobaston Road between Stafford Road and The Droveaway	1,843 (8.9)	2,648 (2.4)	2,673 (2.4)
A449 Stafford Road between Wobaston Road and A460	2,997 (17.6)	4,257 (3.4)	4,973 (7.6)
Church Road between A449 Stafford Road and Three Tuns Lane	45 (0)	51 (0)	51 (0)
Bargate Street, Brewood	72 (0.6)	82 (0.6)	82 (0.6)

Road	2016 baseline	2036 No development	2036 With development
Sandy Lane / The Pavement, Brewood	123 (0.5)	140 (0.5)	140 (0.5)
Coven Road, Brewood between The Pavement and Tinkers Lane	182 (0.4)	207 (0.4)	207 (0.4)
B5012 Wolgarston Way between Cannock Road and A449	482 (1.8)	1,189 (5.8)	1,374 (5.8)
A449 between B5012 Boscomoor Lane and Pinfold Lane	1,358 (10.7)	700 (11.8)	927 (15.5)
A449 between B5012 Boscomoor Lane and A5	1,601 (6.3)	1,969 (9.9)	2,378 (14.5)
Camp Road between Penkrige Bank Road and A34	298 (0.1)	333 (0.1)	333 (0.1)
Penkrige Bank Road between Broadhurst Green Road and Marquis Drive	355 (3.2)	397 (3.2)	397 (3.2)
A5 between A4601 Wolverhampton Road and M6 Toll	2,059 (23.2)	1,942 (43.4)	2,345 (39.4)
A4601 Wolverhampton Road between A5 and M6 Toll	1,718 (5.4)	1,838 (50)	1,887 (49.1)
A4601 Wolverhampton Road between A5 and Longford Road	1,638 (2.1)	1,899 (14.7)	2,010 (15.1)
Bursnips Road	989 (13.7)	1,127 (13.7)	1,127 (13.7)
M6 between Junction 10 and 10a (northbound)	8,374 (35.6)	10,674 (22.9)	11,211 (24)
M6 between Junction 10 and 10a (southbound)	9,603 (31.5)	9,710 (24.9)	10,326 (26.4)
M6 between Junction 12 and 13 (northbound)	7,020 (33.2)	10,687 (32.6)	10,978 (32.4)
M6 between Junction 12 and 13 (southbound)	8,051 (29.3)	13,304 (29.3)	13,715 (28.9)
M6 between Junction 11a and 12 (northbound)	7,799 (38.8)	10,424 (32.9)	11,448 (33.7)
M6 between Junction 11a and 12 (southbound)	8,944 (34.3)	12,517 (29.2)	13,406 (30.5)
M6 between Junction 10a and 11 (northbound)	6,047 (44)	8,779 (43.6)	9,351 (43.5)
M6 between Junction 10a and 11 (southbound)	6,934 (38.9)	9,486 (38.5)	10,128 (39.2)
A5 between A34 and B4154	2,943 (21.5)	5,034 (26.4)	5,131 (26.1)
Notes: All roads are two-way, unless stated otherwise. Data presented in the form of 8 hour AAWT flows with the percentage of HGVs in brackets			



**Table 13.5.5: Calculated changes in daytime road traffic noise, 2021, free-field L<sub>A10,18hrs</sub> dB**

Location	2016 baseline	2021 No development <sup>(1)</sup>	2021 With development <sup>(2)</sup>
M6 between Junction 13 and 14 (northbound)	82.6	83.0 (+0.4)	83.0 (0)
M6 between Junction 13 and 14 (southbound)	82.6	83.1 (+0.5)	83.1 (0)
A449 between M6 J13 and Pinfold Lane	72.5	74.2 (+1.7)	74.8 (+0.6)
Teddesley Road between Marsh Lane and Penkridge Road	65.1	65.3 (+0.2)	65.3 (0)
Cannock Road between Wolgarston Way and A34	68.6	71.5 (+2.9)	71.9 (+0.4)
A5 between M6 Junction 12 and Proposed Site Access	73.5	72.8 (-0.7)	75.9 (+3.1)
A5 between Vicarage Road and M6 J12	74.4	73.7 (-0.7)	75.0 (+1.3)
M6 between Junction 9 and 10 (northbound)	83.8	84.6 (+0.8)	84.7 (+0.1)
M6 between Junction 9 and 10 (southbound)	83.0	83.9 (+0.9)	84.1 (+0.2)
A5 between Vicarage Road and A4061 Wolverhampton Road	73.9	73.9 (0)	74.6 (+0.7)
A5 between A449 and Proposed Site Access	73.8	72.7 (-1.1)	73.4 (+0.7)
A5 between A449 and A41	72.2	73.8 (+1.6)	74.4 (+0.6)
A5 between A41 and A4640 Redhill Way	70.0	72.5 (+2.5)	72.7 (+0.2)
A449 between A5 and Gravelly Way (northbound)	73.6	72.9 (-0.7)	73.8 (+0.9)
A449 between A5 and Gravelly Way (southbound)	73.7	72.5 (-1.2)	73.2 (+0.7)
A449 between Gravelly Way and Station Drive (northbound)	72.8	72.3 (-0.5)	74.6 (+2.3)
A449 between Gravelly Way and Station Drive (southbound)	72.8	72.8 (0)	74.9 (+2.1)
Vicarage Road between Site Access and A5	67.5	67.6 (+0.1)	70.9 (+3.3)
Straight Mile between Vicarage Road and Oak Lane	61.5	62.0 (+0.5)	62.1 (+0.1)
Station Road / Vicarage Road between Enterprise Drive and Proposed Site Access	68.1	67.5 (-0.6)	67.5 (0)
Station Drive between A449 and Enterprise Drive	66.1	67.6 (+1.5)	67.5 (-0.1)
Four Ashes Road between A449 and Claygates Road	62.5	63.4 (+0.9)	63.9 (+0.5)
A449 between Station Drive and Brewood Road (northbound)	73.7	74.1 (+0.4)	75.4 (+1.3)
A449 between Station Drive and Brewood Road (southbound)	74.1	74.1 (0)	75.7 (+1.6)
Old Stafford Road between A449 and New Road	64.1	64.3 (+0.2)	64.3 (0)
Coven Road / Brewood Road / Poplars Farm Way between Lawn Lane and Tinkers lane	61.1	61.3 (+0.2)	61.3 (0)
Poplars Farm Way between A449 and Lawn Lane	65.1	65.6 (+0.5)	65.6 (0)
Lawn Lane between Brewood Road and Wobaston Road	66.9	67.0 (+0.1)	67.0 (0)
A449 Stafford Road M54 J2 to Brewood Road (northbound)	74.8	73.6 (-1.2)	74.9 (+1.3)
A449 Stafford Road M54 J2 to Brewood Road (southbound)	74.7	73.8 (-0.9)	75.2 (+1.4)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (northbound)	71.8	70.2 (-1.6)	71.2 (+1.0)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (southbound)	72.3	70.9 (-1.4)	71.8 (+0.9)
Wobaston Road between Stafford Road and The Droveaway	70.7	70.4 (-0.3)	70.5 (+0.1)
A449 Stafford Road between Wobaston Road and A460	74.4	73.1 (-1.3)	74.1 (+1.0)
Church Road between A449 Stafford Road and Three Tuns Lane	Unreliable	54.5	54.5 (0)

Location	2016 baseline	2021 No development <sup>(1)</sup>	2021 With development <sup>(2)</sup>
Bargate Street, Brewood	59.9	60.1 (+0.2)	60.1 (0)
Sandy Lane / The Pavement, Brewood	60.7	60.9 (+0.2)	60.9 (0)
Coven Road, Brewood between The Pavement and Tinkers Lane	62.6	62.8 (+0.2)	62.8 (0)
B5012 Wolgarston Way between Cannock Road and A449	65.6	66.4 (+0.8)	66.7 (+0.3)
A449 between B5012 Boscomoor Lane and Pinfold Lane	69.3	69.7 (+0.4)	70.0 (+0.3)
A449 between B5012 Boscomoor Lane and A5	69.5	70.5 (+1.0)	71.4 (+0.9)
Camp Road between Penkridge Bank Road and A34	65.7	65.9 (+0.2)	65.9 (0)
Penkridge Bank Road between Broadhurst Green Road and Marquis Drive	67.5	67.7 (+0.2)	67.7 (0)
A5 between A4601 Wolverhampton Road and M6 Toll	72.7	75 (+2.3)	75.2 (+0.2)
A4601 Wolverhampton Road between A5 and M6 Toll	68.5	72.0 (+3.5)	72.0 (0)
A4601 Wolverhampton Road between A5 and Longford Road	67.9	69.9 (+2.0)	70.1 (+0.2)
Bursnips Road	71.1	71.4 (+.3)	71.4 (0)
M6 between Junction 10 and 10a (northbound)	82.0	84.1 (+2.1)	84.2 (+0.1)
M6 between Junction 10 and 10a (southbound)	82.1	84 (+1.9)	84.1 (+0.1)
M6 between Junction 12 and 13 (northbound)	81.1	82.4 (+1.3)	82.5 (+0.1)
M6 between Junction 12 and 13 (southbound)	81.2	82.8 (+1.6)	82.9 (+0.1)
M6 between Junction 11a and 12 (northbound)	81.9	82.3 (+0.4)	82.7 (+0.4)
M6 between Junction 11a and 12 (southbound)	81.9	82.6 (+0.7)	82.9 (+0.3)
M6 between Junction 10a and 11 (northbound)	81.0	82.1 (+1.1)	82.3 (+0.2)
M6 between Junction 10a and 11 (southbound)	81.1	81.9 (+0.8)	82.2 (+0.3)
A5 between A34 and B4154	74.7	75.1 (+0.4)	75.1 (0)
Notes: <sup>(1)</sup> the bracketed value is the change in noise level between the 2016 baseline and 2021 No Development scenario <sup>(2)</sup> the bracketed value is the change in noise level between the 2021 No Development scenario and the 2021 With Development scenario <sup>(3)</sup> Traffic flow below validity of CRTN			

**Table 13.5.6: Calculated changes in daytime road traffic noise, 2036, free-field L<sub>A10,18hrs</sub> dB**

Location	2016 baseline	2036 No development <sup>(1)</sup>	2036 With development <sup>(2)</sup>
M6 between Junction 13 and 14 (northbound)	82.6	83.5 (+0.9)	83.5 (0)
M6 between Junction 13 and 14 (southbound)	82.6	83.6 (+1.0)	83.6 (0)
A449 between M6 J13 and Pinfold Lane	72.5	74.5 (+2)	75.1 (+0.6)
Teddesley Road between Marsh Lane and Penkridge Road	65.1	65.7 (+0.6)	65.7 (0)
Cannock Road between Wolgarston Way and A34	68.6	71.9 (+3.3)	72.3 (+0.4)
A5 between M6 Junction 12 and Proposed Site Access	73.5	73.1 (-0.4)	76.1 (+3.0)
A5 between Vicarage Road and M6 J12	74.4	74.1 (-0.3)	75.3 (+1.2)
M6 between Junction 9 and 10 (northbound)	83.8	85.1 (+1.3)	85.2 (+0.1)
M6 between Junction 9 and 10 (southbound)	83.0	84.4 (+1.4)	84.6 (+0.2)
A5 between Vicarage Road and A4061 Wolverhampton Road	73.9	74.2 (+0.3)	74.9 (+0.7)
A5 between A449 and Proposed Site Access	73.8	73.1 (-0.7)	73.7 (+0.6)

Location	2016 baseline	2036 No development <sup>(1)</sup>	2036 With development <sup>(2)</sup>
A5 between A449 and A41	72.2	74.1 (+1.9)	74.7 (+0.6)
A5 between A41 and A4640 Redhill Way	70.0	72.8 (+2.8)	73.1 (+0.3)
A449 between A5 and Gravelly Way (northbound)	73.6	73.3 (-0.3)	74.2 (+0.9)
A449 between A5 and Gravelly Way (southbound)	73.7	72.9 (-0.8)	73.5 (+0.6)
A449 between Gravelly Way and Station Drive (northbound)	72.8	72.6 (-0.2)	74.9 (+2.3)
A449 between Gravelly Way and Station Drive (southbound)	72.8	73.2 (+0.4)	75.2 (+2.0)
Vicarage Road between Site Access and A5	67.5	68.0 (+0.5)	71.1 (+3.1)
Straight Mile between Vicarage Road and Oak Lane	61.5	62.5 (+1.0)	62.6 (+0.1)
Station Road / Vicarage Road between Enterprise Drive and Proposed Site Access	68.1	67.9 (-0.2)	67.7 (-0.2)
Station Drive between A449 and Enterprise Drive	66.1	68.0 (+1.9)	67.8 (-0.2)
Four Ashes Road between A449 and Claygates Road	62.5	63.8 (+1.3)	64.3 (+0.5)
A449 between Station Drive and Brewood Road (northbound)	73.7	74.5 (+0.8)	75.7 (+1.2)
A449 between Station Drive and Brewood Road (southbound)	74.1	74.5 (+0.4)	76.0 (+1.5)
Old Stafford Road between A449 and New Road	64.1	64.7 (+0.6)	64.7 (0)
Coven Road / Brewood Road / Poplars Farm Way between Lawn Lane and Tinkers lane	61.1	61.7 (+0.6)	61.7 (0)
Poplars Farm Way between A449 and Lawn Lane	65.1	65.9 (+0.8)	66 (+0.1)
Lawn Lane between Brewood Road and Wobaston Road	66.9	67.4 (+0.5)	67.4 (0)
A449 Stafford Road M54 J2 to Brewood Road (northbound)	74.8	74.0 (-0.8)	75.2 (+1.2)
A449 Stafford Road M54 J2 to Brewood Road (southbound)	74.7	74.2 (-0.5)	75.5 (+1.3)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (northbound)	71.8	70.6 (-1.2)	71.5 (+0.9)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (southbound)	72.3	71.3 (-1.0)	72.2 (+0.9)
Wobaston Road between Stafford Road and The Drove way	70.7	70.9 (+0.2)	70.9 (0)
A449 Stafford Road between Wobaston Road and A460	74.4	73.5 (-0.9)	74.5 (+1.0)
Church Road between A449 Stafford Road and Three Tuns Lane	Unreliable	55.2	55.2 (0)
Bargate Street, Brewood	59.9	60.6 (+0.7)	60.6 (0)
Sandy Lane / The Pavement, Brewood	60.7	61.3 (+0.6)	61.3 (0)
Coven Road, Brewood between The Pavement and Tinkers Lane	62.6	63.2 (+0.6)	63.2 (0)
B5012 Wolgarston Way between Cannock Road and A449	65.6	66.9 (+1.3)	67.1 (+0.2)
A449 between B5012 Boscomoor Lane and Pinfold Lane	69.3	70.1 (+0.8)	70.3 (+0.2)
A449 between B5012 Boscomoor Lane and A5	69.5	70.8 (+1.3)	71.7 (+0.9)
Camp Road between Penkridge Bank Road and A34	65.7	66.2 (+0.5)	66.2 (0)
Penkridge Bank Road between Broadhurst Green Road and Marquis Drive	67.5	68.1 (+0.6)	68.1 (0)
A5 between A4601 Wolverhampton Road and M6 Toll	72.7	75.4 (+2.7)	75.5 (+0.1)
A4601 Wolverhampton Road between A5 and M6 Toll	68.5	72.4 (+3.9)	72.4 (0)
A4601 Wolverhampton Road between A5 and Longford Road	67.9	70.3 (+2.4)	70.5 (+0.2)

Location	2016 baseline	2036 No development <sup>(1)</sup>	2036 With development <sup>(2)</sup>
Bursnips Road	71.1	71.7 (+0.6)	71.7 (0)
M6 between Junction 10 and 10a (northbound)	82.0	84.6 (+2.6)	84.7 (+0.1)
M6 between Junction 10 and 10a (southbound)	82.1	84.5 (+2.4)	84.6 (+0.1)
M6 between Junction 12 and 13 (northbound)	81.1	82.9 (+1.8)	83.0 (+0.1)
M6 between Junction 12 and 13 (southbound)	81.2	83.3 (+2.1)	83.4 (+0.1)
M6 between Junction 11a and 12 (northbound)	81.9	82.8 (+0.9)	83.2 (+0.4)
M6 between Junction 11a and 12 (southbound)	81.9	83.1 (+1.2)	83.4 (+0.3)
M6 between Junction 10a and 11 (northbound)	81.0	82.6 (+1.6)	82.8 (+0.2)
M6 between Junction 10a and 11 (southbound)	81.1	82.4 (+1.3)	82.7 (+0.3)
A5 between A34 and B4154	74.7	75.5 (+0.8)	75.5 (0)
Notes: <sup>(1)</sup> the bracketed value is the change in noise level between the 2016 baseline and 2021 No Development scenario <sup>(2)</sup> the bracketed value is the change in noise level between the 2021 No Development scenario and the 2021 With Development scenario <sup>(3)</sup> Traffic flow below validity of CRTN			

**Table 13.5.7: Calculated changes in night-time road traffic noise, 2021, free-field L<sub>A10,8hrs</sub> dB**

Location	2016 baseline	2021 No development <sup>(1)</sup>	2021 With development <sup>(2)</sup>
M6 between Junction 13 and 14 (northbound)	80.0	80.2 (+0.2)	80.3 (+0.1)
M6 between Junction 13 and 14 (southbound)	80.2	80.4 (+0.2)	80.5 (+0.1)
A449 between M6 J13 and Pinfold Lane	66.2	68.7 (+2.5)	69.7 (+1.0)
Teddesley Road between Marsh Lane and Penkridge Road	Unreliable	Unreliable	Unreliable
Cannock Road between Wolgarston Way and A34	59.3	63 (+3.7)	64.1 (+1.1)
A5 between M6 Junction 12 and Proposed Site Access	71.0	70.2 (-0.8)	74.0 (+3.8)
A5 between Vicarage Road and M6 J12	73.2	72.4 (-0.8)	73.6 (+1.2)
M6 between Junction 9 and 10 (northbound)	80.5	80.7 (+0.2)	80.9 (+0.2)
M6 between Junction 9 and 10 (southbound)	80.9	82.0 (+1.1)	82.2 (+0.2)
A5 between Vicarage Road and A4061 Wolverhampton Road	70.8	70.8 (0)	71.7 (+0.9)
A5 between A449 and Proposed Site Access	73.6	71.6 (-2)	72.4 (+0.8)
A5 between A449 and A41	66.0	67.9 (+1.9)	69.3 (+1.4)
A5 between A41 and A4640 Redhill Way	62.6	66.2 (+3.6)	67.3 (+1.1)
A449 between A5 and Gravelly Way (northbound)	Unreliable	69.7	71.2 (+1.5)
A449 between A5 and Gravelly Way (southbound)	Unreliable	66.6	69.0 (+2.4)
A449 between Gravelly Way and Station Drive (northbound)	66.9	65.9 (-1.0)	70.0 (+4.1)
A449 between Gravelly Way and Station Drive (southbound)	69.7	68.8 (-0.9)	72.1 (+3.3)
Vicarage Road between Site Access and A5	60.8	61 (+0.2)	68.8 (+7.8)
Straight Mile between Vicarage Road and Oak Lane	Unreliable	Unreliable	Unreliable
Station Road / Vicarage Road between Enterprise Drive and Proposed Site Access	61.3	60.4 (-0.9)	63.3 (+2.9)
Station Drive between A449 and Enterprise Drive	59.3	61.7 (+2.4)	63.3 (+1.6)
Four Ashes Road between A449 and Claygates Road	Unreliable	Unreliable	Unreliable

Location	2016 baseline	2021 No development <sup>(1)</sup>	2021 With development <sup>(2)</sup>
A449 between Station Drive and Brewood Road (northbound)	67.8	67.5 (-0.3)	70.4 (+2.9)
A449 between Station Drive and Brewood Road (southbound)	70.4	70.7 (+0.3)	73.1 (+2.4)
Old Stafford Road between A449 and New Road	Unreliable	Unreliable	Unreliable
Coven Road / Brewood Road / Poplars Farm Way between Lawn Lane and Tinkers lane	Unreliable	Unreliable	Unreliable
Poplars Farm Way between A449 and Lawn Lane	55.2	55.0 (-0.2)	56.0 (+1.0)
Lawn Lane between Brewood Road and Wobaston Road	Unreliable	Unreliable	Unreliable
A449 Stafford Road M54 J2 to Brewood Road (northbound)	70.5	68.4 (-2.1)	70.7 (+2.3)
A449 Stafford Road M54 J2 to Brewood Road (southbound)	69.4	68.2 (-1.2)	70.9 (+2.7)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (northbound)	67.6	65.7 (-1.9)	67.3 (+1.6)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (southbound)	66.5	65.0 (-1.5)	66.7 (+1.7)
Wobaston Road between Stafford Road and The Droveaway	64.8	64.1 (-0.7)	64.1 (0)
A449 Stafford Road between Wobaston Road and A460	69.2	67.5 (-1.7)	69.3 (+1.8)
Church Road between A449 Stafford Road and Three Tuns Lane	Unreliable	Unreliable	Unreliable
Bargate Street, Brewood	Unreliable	Unreliable	Unreliable
Sandy Lane / The Pavement, Brewood	Unreliable	Unreliable	Unreliable
Coven Road, Brewood between The Pavement and Tinkers Lane	Unreliable	Unreliable	Unreliable
B5012 Wolgarston Way between Cannock Road and A449	55.4	61.5 (+6.1)	62.3 (+0.8)
A449 between B5012 Boscomoor Lane and Pinfold Lane	63.8	59.9 (-3.9)	62.5 (+2.6)
A449 between B5012 Boscomoor Lane and A5	63.5	64.9 (+1.4)	66.8 (+1.9)
Camp Road between Penkridge Bank Road and A34	Unreliable	Unreliable	Unreliable
Penkridge Bank Road between Broadhurst Green Road and Marquis Drive	Unreliable	Unreliable	Unreliable
A5 between A4601 Wolverhampton Road and M6 Toll	69	70.3 (+1.3)	70.8 (+0.5)
A4601 Wolverhampton Road between A5 and M6 Toll	63.6	69.4 (+5.8)	69.5 (+0.1)
A4601 Wolverhampton Road between A5 and Longford Road	62.4	65.7 (+3.3)	66.0 (+0.3)
Bursnips Road	66.2	66.5 (+0.3)	66.5 (0)
M6 between Junction 10 and 10a (northbound)	79.2	78.6 (-0.6)	78.9 (+0.3)
M6 between Junction 10 and 10a (southbound)	79.4	78.4 (-1)	78.8 (+0.4)
M6 between Junction 12 and 13 (northbound)	78.2	79.5 (+1.3)	79.6 (+0.1)
M6 between Junction 12 and 13 (southbound)	78.5	80.1 (+1.6)	80.2 (+0.1)
M6 between Junction 11a and 12 (northbound)	79.1	79.4 (+0.3)	79.9 (+0.5)
M6 between Junction 11a and 12 (southbound)	79.3	79.9 (+0.6)	80.3 (+0.4)
M6 between Junction 10a and 11 (northbound)	78.4	79.5 (+1.1)	79.8 (+0.3)
M6 between Junction 10a and 11 (southbound)	78.6	79.4 (+0.8)	79.8 (+0.4)
A5 between A34 and B4154	70.4	72.9 (+2.5)	72.9 (0)
Notes: <sup>(1)</sup> the bracketed value is the change in noise level between the 2016 baseline and 2021 No Development scenario <sup>(2)</sup> the bracketed value is the change in noise level between the 2021 No Development scenario and the 2021 With Development scenario			

Location	2016 baseline	2021 No development <sup>(1)</sup>	2021 With development <sup>(2)</sup>
<sup>(3)</sup> Traffic flow below validity of CRTN			

**Table 13.5.8: Calculated changes in night-time road traffic noise, 2036, free-field L<sub>A10,8hrs</sub> dB**

Location	2016 baseline	2036 No development <sup>(1)</sup>	2036 With development <sup>(2)</sup>
M6 between Junction 13 and 14 (northbound)	80.0	80.7 (+0.7)	80.8 (+0.1)
M6 between Junction 13 and 14 (southbound)	80.2	80.9 (+0.7)	81.0 (+0.1)
A449 between M6 J13 and Pinfold Lane	66.2	69.1 (+2.9)	70.0 (+0.9)
Teddesley Road between Marsh Lane and Penkridge Road	Unreliable	Unreliable	Unreliable
Cannock Road between Wolgarston Way and A34	59.3	63.4 (+4.1)	64.5 (+1.1)
A5 between M6 Junction 12 and Proposed Site Access	71.0	70.6 (-0.4)	74.2 (+3.6)
A5 between Vicarage Road and M6 J12	73.2	72.8 (-0.4)	74.0 (+1.2)
M6 between Junction 9 and 10 (northbound)	80.5	81.2 (+0.7)	81.4 (+0.2)
M6 between Junction 9 and 10 (southbound)	80.9	82.5 (+1.6)	82.6 (+0.1)
A5 between Vicarage Road and A4061 Wolverhampton Road	70.8	71.2 (+0.4)	72.1 (+0.9)
A5 between A449 and Proposed Site Access	73.6	71.9 (-1.7)	72.7 (+0.8)
A5 between A449 and A41	66.0	68.2 (+2.2)	69.6 (+1.4)
A5 between A41 and A4640 Redhill Way	62.6	66.6 (+4)	67.6 (+1.0)
A449 between A5 and Gravelly Way (northbound)	Unreliable	70.1	71.5 (+1.4)
A449 between A5 and Gravelly Way (southbound)	Unreliable	67.0	69.3 (+2.3)
A449 between Gravelly Way and Station Drive (northbound)	66.9	66.3 (-0.6)	70.3 (+4.0)
A449 between Gravelly Way and Station Drive (southbound)	69.7	69.2 (-0.5)	72.4 (+3.2)
Vicarage Road between Site Access and A5	60.8	61.6 (+0.8)	68.8 (+7.2)
Straight Mile between Vicarage Road and Oak Lane	Unreliable	Unreliable	Unreliable
Station Road / Vicarage Road between Enterprise Drive and Proposed Site Access	61.3	61.0 (-0.3)	63.5 (+2.5)
Station Drive between A449 and Enterprise Drive	59.3	62.2 (+2.9)	63.5 (+1.3)
Four Ashes Road between A449 and Claygates Road	Unreliable	Unreliable	Unreliable
A449 between Station Drive and Brewood Road (northbound)	67.8	67.9 (+0.1)	70.6 (+2.7)
A449 between Station Drive and Brewood Road (southbound)	70.4	71.1 (+0.7)	73.4 (+2.3)
Old Stafford Road between A449 and New Road	Unreliable	Unreliable	Unreliable
Coven Road / Brewood Road / Poplars Farm Way between Lawn Lane and Tinkers lane	Unreliable	Unreliable	Unreliable
Poplars Farm Way between A449 and Lawn Lane	55.2	55.6 (+0.4)	56.5 (+0.9)
Lawn Lane between Brewood Road and Wobaston Road	Unreliable	Unreliable	Unreliable
A449 Stafford Road M54 J2 to Brewood Road (northbound)	70.5	68.7 (-1.8)	71.0 (+2.3)
A449 Stafford Road M54 J2 to Brewood Road (southbound)	69.4	68.5 (-0.9)	71.1 (+2.6)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (northbound)	67.6	66.1 (-1.5)	67.6 (+1.5)
A449 Stafford Road M54 J2 to Station Road/ Wobaston Road junction (southbound)	66.5	65.3 (-1.2)	66.9 (+1.6)

Location	2016 baseline	2036 No development <sup>(1)</sup>	2036 With development <sup>(2)</sup>
Wobaston Road between Stafford Road and The Droveaway	64.8	64.5 (-0.3)	64.6 (+0.1)
A449 Stafford Road between Wobaston Road and A460	69.2	67.9 (-1.3)	69.6 (+1.7)
Church Road between A449 Stafford Road and Three Tuns Lane	Unreliable	Unreliable	Unreliable
Bargate Street, Brewood	Unreliable	Unreliable	Unreliable
Sandy Lane / The Pavement, Brewood	Unreliable	Unreliable	Unreliable
Coven Road, Brewood between The Pavement and Tinkers Lane	Unreliable	Unreliable	Unreliable
B5012 Wolgarston Way between Cannock Road and A449	55.4	62 (+6.6)	62.7 (+0.7)
A449 between B5012 Boscomoor Lane and Pinfold Lane	63.8	60.5 (-3.3)	62.8 (+2.3)
A449 between B5012 Boscomoor Lane and A5	63.5	65.3 (+1.8)	67.0 (+1.7)
Camp Road between Penkridge Bank Road and A34	Unreliable	Unreliable	Unreliable
Penkridge Bank Road between Broadhurst Green Road and Marquis Drive	Unreliable	Unreliable	Unreliable
A5 between A4601 Wolverhampton Road and M6 Toll	69.0	70.6 (+1.6)	71.1 (+0.5)
A4601 Wolverhampton Road between A5 and M6 Toll	63.6	69.8 (+6.2)	69.8 (0)
A4601 Wolverhampton Road between A5 and Longford Road	62.4	66.1 (+3.7)	66.4 (+0.3)
Bursnips Road	66.2	66.9 (+0.7)	66.9 (0)
M6 between Junction 10 and 10a (northbound)	79.2	79.1 (-0.1)	79.4 (+0.3)
M6 between Junction 10 and 10a (southbound)	79.4	78.9 (-0.5)	79.3 (+0.4)
M6 between Junction 12 and 13 (northbound)	78.2	80 (+1.8)	80.1 (+0.1)
M6 between Junction 12 and 13 (southbound)	78.5	80.6 (+2.1)	80.7 (+0.1)
M6 between Junction 11a and 12 (northbound)	79.1	79.9 (+0.8)	80.4 (+0.5)
M6 between Junction 11a and 12 (southbound)	79.3	80.4 (+1.1)	80.8 (+0.4)
M6 between Junction 10a and 11 (northbound)	78.4	80.0 (+1.6)	80.2 (+0.2)
M6 between Junction 10a and 11 (southbound)	78.6	79.9 (+1.3)	80.3 (+0.4)
A5 between A34 and B4154	70.4	73.3 (+2.9)	73.3 (0)
Notes: <sup>(1)</sup> the bracketed value is the change in noise level between the 2016 baseline and 2021 No Development scenario <sup>(2)</sup> the bracketed value is the change in noise level between the 2021 No Development scenario and the 2021 With Development scenario <sup>(3)</sup> Traffic flow below validity of CRTN			

**Table A13.5.9: Noise Insulation Regulations Assessments – Road**

ID	Receptor <sup>(1)</sup>	Prevailing Noise Level	Relevant Noise Level	Contribution from New or Altered Roads	Contribution from Unaltered Roads	>68dB?	>1dB Change?	>1dB Contribution?	Qualify?
1	1 Croft Lane	50.8	51.7	50.3	46.1	No	No	YES	
2	2 Croft Lane	50.4	51.6	50.3	45.7	No	YES	YES	
3	3 Croft Lane	50.3	51.6	50.4	45.4	No	YES	YES	
4	4 Croft Lane	50.7	51.8	50.7	45.3	No	YES	YES	
5	5 Croft Lane	49.7	50.5	49.6	43.2	No	No	YES	
6	180 Station Drive	67.7	69.4	49.4	69.4	YES	YES	No	
7	181 Station Drive	73.6	75.4	36.7	75.4	YES	YES	No	
8	182 Station Drive	68.2	69.7	31.9	69.7	YES	YES	No	
9	183 Station Drive	68.1	69.6	31.8	69.6	YES	YES	No	
10	219 Gatesford Lane	56.7	58.6	55.6	55.6	No	YES	YES	
11	221 Gatesford Lane	57.6	59.3	56.3	56.3	No	YES	YES	
12	221a Gatesford Lane	57.6	58.9	56.3	55.4	No	YES	YES	
13	221b Gatesford Lane	55.4	56.6	52.7	54.3	No	YES	YES	
14	221c Gatesford Lane	54.3	55.8	52.4	53.1	No	YES	YES	
15	221d Gatesford Lane	55.0	56.3	52.7	53.8	No	YES	YES	
16	221e Gatesford Lane	54.3	55.4	51.7	53.0	No	YES	YES	
17	221f Gatesford Lane	55.5	56.7	53.8	53.6	No	YES	YES	
18	221g Gatesford Lane	56.3	58.1	55.3	54.9	No	YES	YES	
19	221h Gatesford Lane	59.6	61.1	58.4	57.8	No	YES	YES	
20	221i Gatesford Lane	57.8	59.2	56.6	55.7	No	YES	YES	
21	Allendale	54.4	53.6	50.3	50.9	No	No	YES	
22	Anberlea	67.1	68.5	38.6	68.5	YES	YES	No	
23	Angalla	53.8	53.0	50.6	49.3	No	No	YES	
24	Avenue Cottages	63.5	66.2	56.0	65.8	No	YES	No	



ID	Receptor <sup>(1)</sup>	Prevailing Noise Level	Relevant Noise Level	Contribution from New or Altered Roads	Contribution from Unaltered Roads	>68dB?	>1dB Change?	>1dB Contribution?	Qualify?
25	Comox	54.3	57.5	55.5	53.2	No	YES	YES	
26	Eastfield	67.6	70.4	55.9	70.2	YES	YES	No	
27	Edelweiss	67.2	68.6	38.6	68.6	YES	YES	No	
28	Evergreen	71.3	71.8	62.8	71.2	YES	No	No	
29	Gailey House	52.3	52.7	48.1	50.9	No	No	YES	
30	Goldthorne	67.2	68.7	30.6	68.7	YES	YES	No	
31	Hamerton House	75.7	75.6	49.2	75.6	YES	No	No	
32	Hollybyre	74.6	75.0	62.6	74.7	YES	No	No	
33	Homestead	71.5	72.3	67.5	70.6	YES	No	YES	
34	Inglewood	74.1	76.0	41.9	76.0	YES	YES	No	
35	Little Kinvaston	68.3	71.0	52.7	70.9	YES	YES	No	
36	Plough Farm	73.7	73.7	60.4	73.5	YES	No	No	
37	Longacre	67.7	70.5	55.5	70.4	YES	YES	No	
38	Marsh Farm	64.3	64.7	59.1	63.3	No	No	YES	
39	Menkani	66.5	68.0	30.7	68.0	YES	YES	No	
40	Oak View	53.1	53.2	51.2	48.9	No	No	YES	
41	Perinthorpe	55.3	54.7	51.4	52.0	No	No	YES	
42	Pool House	78.0	80.8	55.1	80.8	YES	YES	No	
43	Roma	71.9	71.7	47.3	71.7	YES	No	No	
44	Stafford Road	78.0	78.4	61.5	78.3	YES	No	No	
45	Salwyn Green	52.8	53.4	51.8	48.3	No	No	YES	
46	Silverthorne	67.3	68.8	30.6	68.8	YES	YES	No	
47	Sunnyside	60.5	62.8	60.3	59.2	No	YES	YES	
48	The Bunglallow	51.5	52.2	50.1	48.0	No	No	YES	
49	The Cottage (Croft Lane)	55.9	54.8	52.2	51.3	No	No	YES	

ID	Receptor <sup>(1)</sup>	Prevailing Noise Level	Relevant Noise Level	Contribution from New or Altered Roads	Contribution from Unaltered Roads	>68dB?	>1dB Change?	>1dB Contribution?	Qualify?
50	The Poplars	57.0	59.6	53.0	58.5	No	YES	YES	
51	The Poultry Farm House 1	60.3	62.6	58.7	60.3	No	YES	YES	
52	The Poultry Farm House 2	55.7	57.7	57.2	48.1	No	YES	YES	
53	The Villa	72.4	74.8	73.6	68.6	YES	YES	YES	YES
54	The Woodlands	74.1	76.1	34.9	76.1	YES	YES	No	
55	Trewern	72.0	71.9	46.7	71.9	YES	No	No	
56	Wharf Cottage	78.4	78.3	66.1	78.0	YES	No	No	
57	Wharf House	65.6	65.0	55.2	64.5	No	No	No	
58	Wheatcroft	72.0	71.9	46.9	71.9	YES	No	No	
59	Heath Farm	72.1	75.7	63.1	75.5	YES	YES	No	
60	Heath Farm 2	69.4	73.0	39.5	73.0	YES	YES	No	
61	Heath Farm 3	56.5	60.6	39.0	60.6	No	YES	No	

Note: <sup>(1)</sup> – For receptor locations, see Figure 13.4

**Table A13.5.10: Noise Insulation Regulations Assessment – Railways Daytime**

ID	Receptor <sup>(1)</sup>	Prevailing Noise Level	Relevant Noise Level	Contribution from New or Altered Railways	Contribution from Unaltered Railways	>68dB?	>1dB Change?	>1dB Contribution?	Qualify?
1	4 Station Drive	59.7	59.9	26.4	59.9	No	No	No	
2	182 Station Drive	52.2	49.9	25.6	49.9	No	No	No	
3	183 Station Drive	50.7	46.4	25.6	46.4	No	No	No	
4	Amadora	63.8	64.1	26.4	64.1	No	No	No	
5	Anberlea	58.8	58.9	25.7	58.9	No	No	No	
6	Chase View (Bungalow)	56.7	57.0	15.1	57.0	No	No	No	
7	Chase View (House)	53.8	54.1	17.4	54.1	No	No	No	

ID	Receptor <sup>(1)</sup>	Prevailing Noise Level	Relevant Noise Level	Contribution from New or Altered Railways	Contribution from Unaltered Railways	>68dB?	>1dB Change?	>1dB Contribution?	Qualify?
8	Christchurch Cottage 1	47.8	48.1	14.1	48.1	No	No	No	
9	Christchurch Cottage 2	43.8	44.1	14.8	44.1	No	No	No	
10	Craigmore (Bungalow)	65.4	65.5	20.8	65.5	No	No	No	
11	Denson House	48.6	48.7	25.0	48.7	No	No	No	
12	Dunrobin	69.7	70.0	22.2	70.0	YES	No	No	
13	Edelweiss	59.5	59.7	25.9	59.7	No	No	No	
14	Gailey House	40.1	37.0	24.1	36.8	No	No	No	
15	Goldthorne	56.4	55.9	25.7	55.9	No	No	No	
16	Holy Thorn Cottage	44.0	44.3	17.6	44.3	No	No	No	
17	Leacroft	66.4	66.6	18.2	66.6	No	No	No	
18	Longfield	39.0	38.7	22.4	38.6	No	No	No	
19	Menkani	55.5	54.8	25.8	54.8	No	No	No	
20	Oakleigh	70.5	70.7	13.5	70.7	YES	No	No	
21	Roundabout Cottage	41.8	42.1	20.8	42.1	No	No	No	
22	Scholars Gate	43.0	43.3	17.7	43.3	No	No	No	
23	Silverthorne	56.9	56.7	25.6	56.7	No	No	No	
24	St Clare (Bungalow)	59.6	59.9	24.5	59.9	No	No	No	
25	The Cottage (A5)	47.7	47.9	18.7	47.9	No	No	No	
26	The Elms	62.6	62.9	29.1	62.9	No	No	No	
27	Thurja	40.3	40.2	22.8	40.1	No	No	No	
28	Wheslynn	50	50.2	19.0	50.2	No	No	No	
29	Yonda	39.3	39.0	22.7	38.9	No	No	No	

Note: <sup>(1)</sup> – For receptor locations, see Figure 13.5

**Table A13.5.11: Noise Insulation Regulations Assessment – Railways Night-time**

ID	Receptor <sup>(1)</sup>	Prevailing Noise Level	Relevant Noise Level	Contribution from New or Altered Railways	Contribution from Unaltered Railways	>63dB?	>1dB Change?	>1dB Contribution?	Qualify?
1	4 Station Drive	59.1	59.5	27.5	59.5	No	No	No	
2	182 Station Drive	51.7	49.5	26.7	49.5	No	No	No	
3	183 Station Drive	50.1	46	26.7	45.9	No	No	No	
4	Amadora	63.3	63.6	27.5	63.6	YES	No	No	
5	Anberlea	58.3	58.4	26.8	58.4	No	No	No	
6	Chase View (Bungalow)	56.2	56.6	16.2	56.6	No	No	No	
7	Chase View (House)	53.3	53.8	18.5	53.8	No	No	No	
8	Christchurch Cottage 1	47.3	47.7	15.2	47.7	No	No	No	
9	Christchurch Cottage 2	43.3	43.7	15.9	43.7	No	No	No	
10	Craigmore (Bungalow)	64.8	65.1	21.9	65.1	YES	No	No	
11	Denson House	48	48.2	26.1	48.2	No	No	No	
12	Dunrobin	69.2	69.5	23.3	69.5	YES	No	No	
13	Edelweiss	59	59.3	27	59.3	No	No	No	
14	Gailey House	39.5	36.7	25.2	36.4	No	No	No	
15	Goldthorne	55.9	55.5	26.8	55.5	No	No	No	
16	Holy Thorn Cottage	43.5	43.9	18.7	43.9	No	No	No	
17	Leacroft	65.9	66.2	19.3	66.2	YES	No	No	
18	Longfield	38.5	38.3	23.5	38.2	No	No	No	
19	Menkani	55	54.3	26.9	54.3	No	No	No	
20	Oakleigh	69.9	70.3	14.6	70.3	YES	No	No	
21	Roundabout Cottage	41.2	41.8	21.9	41.8	No	No	No	
22	Scholars Gate	42.5	42.9	18.8	42.9	No	No	No	
23	Silverthorne	56.4	56.3	26.7	56.3	No	No	No	
24	St Clare (Bungalow)	59.1	59.4	25.6	59.4	No	No	No	

ID	Receptor <sup>(1)</sup>	Prevailing Noise Level	Relevant Noise Level	Contribution from New or Altered Railways	Contribution from Unaltered Railways	>63dB?	>1dB Change?	>1dB Contribution?	Qualify?
25	The Cottage (A5)	47.2	47.5	19.8	47.5	No	No	No	
26	The Elms	62.1	62.5	30.2	62.5	YES	No	No	
27	Thurja	39.8	39.8	23.9	39.7	No	No	No	
28	Wheslynn	49.6	49.9	20.1	49.9	No	No	No	
29	Yonda	38.7	38.6	23.8	38.5	No	No	No	

Note: <sup>(1)</sup> – For receptor locations, see Figure 13.5