

OVG Manchester:

Appendix 10.3 – Noise and Vibration – Construction Traffic Noise

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Noise and Vibration – Construction Traffic Noise – Appendix 10.3

0042841

14 February 2020

Revision 02

Revision	Description	Issued by	Date	Checked
00	First Issue	GD	17/01/20	BFB
01	Incorporated comments from stakeholders	GD	17/1/20	BFB
02	Scoping Opinion and Legal Review comments incorporated.	GD	14/2/20	BFB

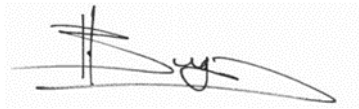
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date **14/2/20**

approved **Ben Burgess**

signature



date **14/2/20**

1 Construction Traffic Noise

Annual average weekday traffic (AAWT) flow counts were carried out by the project transport consultant. Observed and construction traffic flows have been used to assess the magnitude of impact on each road due to construction traffic, as shown in the following table.

Magnitude of impact from construction traffic - 2021

Link	AAWT 2021 future baseline traffic flow		AAWT 2021 (future baseline + construction)		Predicted change in traffic noise level - dB	Magnitude of impact
	Total traffic flow 18h	% HGV	Total traffic flow 18h	% HGV		
Bradford Road (west of Saxon Street)	13241	8%	13241	8%	0.0	No change
Briscoe Lane (west of Riverpark Road)	17442	9%	17442	9%	0.0	No change
Stuart Lane (east of Archer Street)	5060	3%	5060	3%	0.0	No change
Gibbon Street (east of Alan Turing Way)	13726	4%	13726	4%	0.0	No change
A6010 Alan Turing Way (south of Gibbon Street)	32150	11%	32251	12%	0.0	No change
A622 Ashton New Road (east of Alan Turing Way)	20431	8%	20451	8%	0.0	No change
A6010 Alan Turing Way (south of Ashton New Road)	30329	13%	30410	13%	0.0	No change
A622 Ashton New Road (west of Grey Mare Lane)	18403	8%	18403	8%	0.0	No change
A6010 Alan Turing Way (north of Ashton Old Road)	28038	12%	28119	12%	0.1	Negligible
A635 Ashton Old Road (west of Mill Street)	25845	11%	25886	11%	0.0	No change
A6010 Pottery Lane (north of Ambrose Street)	29074	13%	29114	13%	0.0	No change
A635 Ashton Old Road (east Whitehurst Drive)	23787	12%	23787	12%	0.0	No change
Welcomb Street (north of Whitworth Street)	2309	15%	2309	15%	0.0	No change

Link	AAWT 2021 future baseline traffic flow		AAWT 2021 (future baseline + construction)		Predicted change in traffic noise level - dB	Magnitude of impact
	Total traffic flow 18h	% HGV	Total traffic flow 18h	% HGV		
A622 Ashton New Road (east of Linfield Street)	14883	9%	14903	9%	0.0	No change
A635 Ashton Old Road (west of Louisa Street)	24422	9%	24463	10%	0.0	No change
Ashton Old Road (east of Lime Bank Street)	29262	10%	29262	10%	0.0	No change
A662 Ashton New Road (west of Hillkirk Street)	14221	9%	14221	9%	0.0	No change

The table above shows no change to negligible magnitude of impact at the surrounding NSRs and therefore the significance of effect from traffic noise generated by construction activities at all highly sensitive NSRs is calculated to be negligible.