A57 Link Roads
TR010034
6.5 Environmental Statement
Appendix 11.3 Predicted Construction
Noise Levels

APFP Regulation 5(2)(a)

Planning Act 2008 Infrastructure Planning (Applications: Prescribed

Forms and Procedure) Regulations 2009

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11. Predicted Construction Noise Levels

11.1 Introduction

11.1.1 This document presents the predicted construction noise levels of the Scheme for a selection of sensitive receptors within the study area. The specified noise sensitive receptors were selected to represent different groups of sensitive receptors at key locations that have the potential to be affected by construction works for the Scheme.

11.1.2 The predicted construction noise uses the plant noise levels provided in Appendix 11-2 of the Environmental Statement (ES) (TR010034/APP/6.5).

11.1.3 For each receptor a single prediction point has been used to provide indicative noise levels for other noise sensitive receptors near to that location.

11.1.4 For further details about the assessment methodology, modelling assumptions and limitations, please refer to the Noise and Vibration chapter (Chapter 11) of the ES (TR010034/APP/6.3).

11.2 Distance to Receptors

11.2.1 Table 11.2.1 and Table 11.2.2 show the shortest distances between the proposed construction activities and the representative noise sensitive receptors.

Table 11.2.1: Shortest distance to noise sensitive receptors (IDs 1 to 12)

Phase	Activity	Representative noise sensitive receptor and distance to construction works (m)											
		1	2	3	4	5	6	7	8	9	10	11	12
		6 Melyncourt Road	60 Hyde Road	8 Edge Lane	8 Rushycroft	3 Ash Close	30 Four Lanes	23 Tollemache Road	6 Old Road	23 Old Road	15 Old Road	43 Lodge Court	3 Tollemache Close
All	Operation of compound	182	73	335	154	168	218	501	387	372	351	431	449
1	Site clearance	29	18	123	65	19	12	133	45	2	9	44	7
1	Demolition	973	484	392	280	126	35	129	46	2	5	69	2
1	Compound set-up	182	73	335	154	168	218	501	387	372	351	431	449
1	Pre-cast concrete piling near River Etherow	1999	1437	1697	1226	1261	1313	1318	1311	1259	1204	1075	1205
1	Enabling works	29	18	123	65	19	12	133	45	2	9	44	7
1	Traffic management Mottram Underpass	1051	518	532	287	165	155	141	137	84	27	93	32
2,3	Watercourse works	309	232	240	281	179	72	161	76	21	29	41	30
2	Earthworks	1182	661	586	426	304	248	157	154	116	105	76	42
2	Mottram Underpass piling	1013	527	403	337	178	74	157	71	16	23	101	26
2	Transport of fill material (east)	1183	661	587	429	304	251	159	157	117	108	81	45

Phase	Activity	Representative noise sensitive receptor and distance to construction works (m)											
		1	2	3	4	5	6	7	8	9	10	11	12
		6 Melyncourt Road	60 Hyde Road	8 Edge Lane	8 Rushycroft	3 Ash Close	30 Four Lanes	23 Tollemache Road	6 Old Road	23 Old Road	15 Old Road	43 Lodge Court	3 Tollemache Close
2	Carrhouse Lane Underpass	1809	1244	1503	1031	1066	1120	1138	1124	1071	1014	885	1020
2	Old Mill underpass	664	294	218	304	242	246	499	391	392	389	489	474
2	Traffic management Mottram Moor	1438	860	1056	621	628	672	701	678	623	565	436	577
3, 4, 5	Landscaping	59	196	120	272	122	15	151	79	81	66	42	46
3	Mottram Underpass structure	1013	527	403	337	178	74	157	71	16	23	101	26
3	Temporary road realignment	1008	507	368	295	147	69	142	35	23	52	152	103
3	Traffic management M67 & Woolley Bridge	14	369	652	622	702	773	1047	938	927	904	965	1005
3	Road construction	1184	669	587	441	310	249	172	156	118	107	111	45
4	Road construction	18	231	221	304	155	33	208	93	82	85	210	163

Phase	Activity	Representative noise sensitive receptor and distance to construction works (m)											
		1	2	3	4	5	6	7	8	9	10	11	12
		6 Melyncourt Road	60 Hyde Road	8 Edge Lane	8 Rushycroft	3 Ash Close	30 Four Lanes	23 Tollemache Road	6 Old Road	23 Old Road	15 Old Road	43 Lodge Court	3 Tollemache Close
4	Transport of fill material (west)	57	196	122	272	120	13	192	79	81	93	217	165
4	Traffic management Mottram Moor closed	1362	785	988	545	555	605	655	622	566	504	377	527
4	Road surfacing	18	231	221	304	156	34	161	75	20	28	110	30
4	Excavation	59	196	122	271	124	17	191	78	81	92	215	164
4	Installation of street furniture	25	231	221	308	158	35	170	95	81	93	111	42
5	Road construction (de-trunking)	240	28	582	103	254	359	558	472	417	347	260	424

Table 11.2.2: Shortest distance to noise sensitive receptors (IDs 13 to 24)

Phase	Activity	Representative noise sensitive receptor and distance to construction works (m)											
		13	14	15	16	17	18	19	20	21	22	23	24
		Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
All	Operation of compound	721	1769	870	1241	1282	1830	2102	2117	2208	2281	237	249
1	Site clearance	76	180	9	43	50	62	16	13	92	168	1	5
1	Demolition	259	959	46	440	576	1037	1312	1343	1423	1490	19	6
1	Compound set-up	721	1769	870	1241	1282	1830	2102	2117	2208	2281	237	249
1	Pre-cast concrete piling near River Etherow	1194	199	559	175	172	85	168	173	265	343	1309	1299
1	Enabling works	76	180	9	43	50	62	16	13	92	168	1	5
1	Traffic management Mottram Underpass	213	1489	600	993	1096	1584	1856	1896	1968	2030	147	135
2,3	Watercourse works	272	274	87	236	199	143	124	132	221	299	53	40
2	Earthworks	165	934	31	421	553	1016	1291	1324	1402	1468	231	218

Phase	Activity	Representative noise sensitive receptor and distance to construction works (m)											
		13	14	15	16	17	18	19	20	21	22	23	24
		Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
2	Mottram Underpass piling	270	1478	584	974	1106	1567	1841	1876	1952	2016	55	42
2	Transport of fill material (east)	170	201	34	43	62	86	169	176	266	344	235	222
2	Carrhouse Lane Underpass	1032	550	374	83	64	586	853	865	956	1032	1116	1107
2	Old Mill underpass	736	1878	965	1351	1416	1947	2221	2242	2329	2400	262	276
2	Traffic management Mottram Moor	641	904	10	381	513	979	1255	1284	1365	1432	667	658
3, 4, 5	Landscaping	72	182	12	47	46	60	26	16	123	200	9	7
3	Mottram Underpass structure	270	1478	584	974	1106	1567	1841	1876	1952	2016	55	42
3	Temporary road realignment	357	1575	664	1058	1162	1656	1931	1961	2041	2108	51	38

Phase	Activity	Representative noise sensitive receptor and distance to construction works (m)											
		13	14	15	16	17	18	19	20	21	22	23	24
		Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
3	Traffic management M67 & Woolley Bridge	1277	314	1220	829	812	235	14	5	108	189	792	805
3	Road construction	214	204	34	45	59	96	15	7	109	189	232	219
4	Road construction	429	1635	726	1120	1228	1717	1992	2023	2103	2169	20	18
4	Transport of fill material (west)	421	1642	733	1127	1233	1724	1999	2030	2110	2176	7	6
4	Traffic management Mottram Moor closed	621	795	12	282	453	877	1151	1185	1262	1328	601	592
4	Road surfacing	214	204	34	48	59	96	16	11	108	189	20	19
4	Excavation	420	1640	730	1124	1230	1722	1997	2027	2107	2174	11	6
4	Installation of street furniture	212	203	36	111	124	95	13	5	88	164	22	21

Phase	Activity	Representative noise sensitive receptor and distance to construction works (m)											
		13	14	15	16	17	18	19	20	21	22	23	24
		Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
5	Road construction (detrunking)	592	394	175	177	416	515	767	826	879	930	367	365

11.3 Predicted construction noise levels

11.3.1 Table 11.3.1 and Table 11.3.2 show the predicted worst case construction noise levels ($L_{Aeq,T}$) at the representative noise sensitive receptors.

11.3.2 The predictions are accompanied with the Lowest Observed Adverse Effect Level (LOAEL) and Significant Observed Adverse Effect Level (SOAEL) threshold levels, which were determined using the methodology stated in the Noise and Vibration chapter.

Table 11.3.1: Predicted construction noise levels (IDs 1 to 12)

Phase	Activity	Location	Predicted construction noise levels at representative noise sensitive receptor ($L_{Aeq,T}$ dB)											
		ID	1	2	3	4	5	6	7	8	9	10	11	12
		Location	6 Melyncourt Road	60 Hyde Road	8 Edge Lane	8 Rushycroft	3 Ash Close	30 Four Lanes	23 Tollemache Road	6 Old Road	23 Old Road	15 Old Road	43 Lodge Court	3 Tollemache Close
		Baseline (Day $L_{Aeq,T}$)	71	49	50	49	50	59	51	54	54	59	51	51
		Receptor SOAEL	75	65	65	65	65	65	65	65	65	65	65	65
All	Operation of compound		53	61	48	55	54	52	44	47	47	47	46	45
1	Site clearance		72	76	59	65	75	80	58	68	94	82	68	84
1	Demolition		47	53	55	57	64	76	64	73	100	92	70	100
1	Compound set-up		57	65	51	58	57	55	48	50	51	51	49	49
1	Pre-cast concrete piling near River Etherow		30	33	32	35	34	34	34	34	34	35	36	35
1	Enabling works		63	67	50	56	66	71	50	59	85	73	59	75
1	Traffic management Mottram Underpass		27	33	33	38	43	43	44	45	49	59	48	57
2,3	Watercourse works		42	44	44	43	47	54	47	54	65	62	59	62
2	Earthworks		34	39	40	42	45	47	51	51	54	55	57	63

Phase	Activity	Predicted construction noise levels at representative noise sensitive receptor ($L_{Aeq,T}$ dB)											
		ID	1	2	3	4	5	6	7	8	9	10	11	12
		Location	6 Melyncourt Road	60 Hyde Road	8 Edge Lane	8 Rushycroft	3 Ash Close	30 Four Lanes	23 Tollemache Road	6 Old Road	23 Old Road	15 Old Road	43 Lodge Court	3 Tollemache Close
		Baseline (Day $L_{Aeq,T}$)	71	49	50	49	50	59	51	54	54	59	51	51
		Receptor SOAEL	75	65	65	65	65	65	65	65	65	65	65	65
2	Mottram Underpass piling		36	42	44	46	51	59	53	60	72	69	56	68
2	Transport of fill material (east)		40	45	46	48	51	53	57	57	60	60	63	68
2	Carrhouse Lane Underpass		30	33	31	35	34	34	34	34	34	35	36	35
2	Old Mill underpass		38	46	48	45	47	47	41	43	43	43	41	41
2	Traffic management Mottram Moor		24	29	27	31	31	31	30	31	31	32	35	32
3, 4, 5	Landscaping		66	56	60	53	60	78	58	64	64	65	69	68
3	Mottram Underpass structure		35	41	43	45	50	58	51	58	71	68	55	67
3	Temporary road realignment		39	45	48	50	56	62	56	68	72	65	55	59

Phase	Activity	ID / Location / Baseline (Day $L_{Aeq,T}$) / Receptor SOAEL	1 6 Melyncourt Road	2 60 Hyde Road	3 8 Edge Lane	4 8 Rushycroft	5 3 Ash Close	6 30 Four Lanes	7 23 Tollemache Road	8 6 Old Road	9 23 Old Road	10 15 Old Road	11 43 Lodge Court	12 3 Tollemache Close
		Baseline	71	49	50	49	50	59	51	54	54	59	51	51
		Receptor SOAEL	75	65	65	65	65	65	65	65	65	65	65	65
3	Traffic management M67 & Woolley Bridge		65	36	31	31	30	30	27	28	28	28	28	27
3	Road construction		39	44	45	48	51	53	56	57	59	60	60	68
4	Road construction		76	53	54	51	57	70	54	61	62	62	54	56
4	Transport of fill material (west)		66	55	59	52	59	78	55	63	63	62	54	57
4	Traffic management Mottram Moor closed		25	29	27	33	32	32	31	31	32	33	36	33
4	Road surfacing		76	53	54	51	57	70	56	63	74	71	60	71
4	Excavation		56	46	50	43	50	67	46	54	53	52	45	47
4	Installation of street furniture		62	43	44	41	47	60	46	51	52	51	50	58
5	Road construction (detrunking)		47	65	39	54	46	43	39	41	42	43	46	42

Table 11.3.2: Predicted construction noise levels (IDs 13 to 24)

Phase	Activity	Predicted construction noise levels at representative noise sensitive receptor ($L_{Aeq,T}$ dB)											
		ID	13	14	15	16	17	18	19	20	21	22	23	24
		Location	Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
		Baseline (Day $L_{Aeq,T}$)	51	49	54	54	47	48	69	69	54	48	59	59
		Receptor SOAEL	65	65	65	65	65	65	75	75	65	65	65	65
All	Operation of compound		41	33	40	36	36	33	32	32	31	31	51	50
1	Site clearance		63	56	82	68	67	65	77	79	62	56	98	86
1	Demolition		58	47	73	54	51	46	44	44	43	43	81	91
1	Compound set-up		45	37	43	40	40	37	36	35	35	35	55	54
1	Pre-cast concrete piling near River Etherow		35	50	41	52	52	58	52	52	48	46	34	34
1	Enabling works		54	47	73	59	58	56	68	70	53	48	89	78
1	Traffic management Mottram Underpass		41	24	32	27	27	23	22	22	21	21	44	45
2,3	Watercourse works		43	43	53	44	46	48	50	49	45	42	57	60

Phase	Activity	Predicted construction noise levels at representative noise sensitive receptor (L$_{Aeq,T}$ dB)												
		ID	13	14	15	16	17	18	19	20	21	22	23	24
		Location	Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
		Baseline (Day L$_{Aeq,T}$)	51	49	54	54	47	48	69	69	54	48	59	59
		Receptor SOAEL	65	65	65	65	65	65	75	75	65	65	65	65
2	Earthworks		51	36	65	43	40	35	33	33	32	32	48	48
2	Mottram Underpass piling		48	33	41	37	36	33	31	31	31	30	62	64
2	Transport of fill material (east)		56	55	70	68	65	62	56	56	52	50	54	54
2	Carrhouse Lane Underpass		35	40	43	57	59	40	36	36	35	35	34	34
2	Old Mill underpass		38	29	35	32	32	29	28	28	28	27	47	46
2	Traffic management Mottram Moor		31	28	67	36	33	27	25	25	25	24	31	31
3, 4, 5	Landscaping		65	57	80	68	68	66	73	78	60	56	82	85
3	Mottram Underpass structure		47	32	40	35	34	31	30	30	29	29	60	63

Phase	Activity	ID	13	14	15	16	17	18	19	20	21	22	23	24
		Predicted construction noise levels at representative noise sensitive receptor ($L_{Aeq,T}$ dB)												
		Location	Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
		Baseline (Day $L_{Aeq,T}$)	51	49	54	54	47	48	69	69	54	48	59	59
		Receptor SOAEL	65	65	65	65	65	65	75	75	65	65	65	65
3	Temporary road realignment		48	35	43	39	38	35	33	33	33	33	65	68
3	Traffic management M67 & Woolley Bridge		25	37	26	29	29	40	64	73	47	42	29	29
3	Road construction		54	55	70	68	65	61	77	84	60	55	53	54
4	Road construction		48	36	43	40	39	36	35	35	34	34	74	76
4	Transport of fill material (west)		49	37	44	40	39	36	35	35	35	34	84	85
4	Traffic management Mottram Moor closed		31	29	66	38	34	28	26	26	25	25	32	32
4	Road surfacing		54	54	70	67	65	61	76	80	60	55	74	75
4	Excavation		39	27	34	30	30	27	25	25	25	25	71	76
4	Installation of street furniture		44	44	59	50	49	51	68	76	52	46	64	64

Phase	Activity	Predicted construction noise levels at representative noise sensitive receptor ($L_{Aeq,T}$ dB)												
		ID	13	14	15	16	17	18	19	20	21	22	23	24
		Location	Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
		Baseline (Day $L_{Aeq,T}$)	51	49	54	54	47	48	69	69	54	48	59	59
		Receptor SOAEL	65	65	65	65	65	65	75	75	65	65	65	65
5	Road construction (detrunking)		39	42	49	49	42	40	37	36	35	35	43	43

11.4 Predicted construction noise magnitudes of impact

11.4.1 Table 11.4.1 and Table 11.4.2 show the predicted worst case magnitudes of impact at the representative noise sensitive receptors.

11.4.2 Where a significant impact has been identified this is noted alongside the relevant magnitude of impact. Significance of effect was determined following the methodology stated in the Noise and Vibration chapter.

Table 11.4.1: Predicted construction noise magnitudes of impact (IDs 1 to 12)

Phase	Activity	Predicted magnitudes of impact at representative noise sensitive receptor ($L_{Aeq,T}$ dB)											
		ID											
		1	2	3	4	5	6	7	8	9	10	11	12
		Location											
		6 Melyncourt Road	60 Hyde Road	8 Edge Lane	8 Rushycroft	3 Ash Close	30 Four Lanes	23 Tollemache Road	6 Old Road	23 Old Road	15 Old Road	43 Lodge Court	3 Tollemache Close
		Baseline (Day $L_{Aeq,T}$)											
		71	49	50	49	50	59	51	54	54	59	51	51
		Receptor SOAEL											
		75	65	65	65	65	65	65	65	65	65	65	65
All	Operation of compound	Neg	Min	Neg	Min	Min	Neg	Neg	Neg	Neg	Neg	Neg	Neg
1	Site clearance	Min	Maj	Min	Min	Maj	Maj	Min	Mod	Maj	Maj	Mod	Maj
1	Demolition	Neg	Min	Min	Min	Min	Maj	Min	Maj	Maj - S	Maj - S	Mod	Maj - S
1	Compound set-up	Neg	Min	Min	Min	Min	Neg	Neg	Neg	Neg	Neg	Neg	Neg
1	Pre-cast concrete piling near River Etherow	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
1	Enabling works	Neg	Mod	Neg	Min	Mod	Maj	Neg	Min	Maj	Maj	Min	Maj
1	Traffic management Mottram Underpass	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Min
2,3	Watercourse works	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Min	Mod	Min	Min	Min
2	Earthworks	Neg	Neg	Neg	Neg	Neg	Neg	Min	Neg	Neg	Neg	Min	Min
2	Mottram Underpass piling	Neg	Neg	Neg	Neg	Min	Neg	Min	Min	Maj - S	Mod - S	Min	Mod - S

Phase	Activity	Predicted magnitudes of impact at representative noise sensitive receptor ($L_{Aeq,T}$ dB)											
		ID	1	2	3	4	5	6	7	8	9	10	11	12
		Location	6 Melyncourt Road	60 Hyde Road	8 Edge Lane	8 Rushycroft	3 Ash Close	30 Four Lanes	23 Tollemache Road	6 Old Road	23 Old Road	15 Old Road	43 Lodge Court	3 Tollemache Close
		Baseline (Day $L_{Aeq,T}$)	71	49	50	49	50	59	51	54	54	59	51	51
		Receptor SOAEL	75	65	65	65	65	65	65	65	65	65	65	65
2	Transport of fill material (east)		Neg	Neg	Neg	Neg	Min	Neg	Min	Min	Min	Min	Min	Mod
2	Carrhouse Lane Underpass		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
2	Old Mill underpass		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
2	Traffic management Mottram Moor		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
3, 4, 5	Landscaping		Neg	Min	Min	Min	Min	Maj	Min	Min	Min	Mod	Mod	Mod
3	Mottram Underpass structure		Neg	Neg	Neg	Neg	Min	Neg	Min	Min	Maj - S	Mod - S	Min	Mod - S
3	Temporary road realignment		Neg	Neg	Neg	Min	Min	Min	Min	Mod	Maj	Min	Min	Min
3	Traffic management M67 & Woolley Bridge		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
3	Road construction		Neg	Neg	Neg	Neg	Min	Neg	Min	Min	Min	Min	Min	Mod

Phase	Activity	ID	1	2	3	4	5	6	7	8	9	10	11	12
		Location	6 Melyncourt Road	60 Hyde Road	8 Edge Lane	8 Rushycroft	3 Ash Close	30 Four Lanes	23 Tollemache Road	6 Old Road	23 Old Road	15 Old Road	43 Lodge Court	3 Tollemache Close
		Baseline (Day $L_{Aeq,T}$)	71	49	50	49	50	59	51	54	54	59	51	51
		Receptor SOAEL	75	65	65	65	65	65	65	65	65	65	65	65
4	Road construction		Neg	Neg	Neg	Neg	Min	Neg	Min	Min	Min	Min	Min	Mod
4	Transport of fill material (west)		Neg	Min	Min	Min	Min	Maj - S	Min	Min	Min	Min	Min	Min
4	Traffic management Mottram Moor closed		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
4	Road surfacing		Mod	Min	Min	Min	Min	Mod	Min	Min	Maj	Maj	Min	Maj
4	Excavation		Neg	Neg	Neg	Neg	Neg	Mod - S	Neg	Neg	Neg	Neg	Neg	Neg
4	Installation of street furniture		Neg	Neg	Neg	Neg	Neg	Min	Neg	Neg	Neg	Neg	Neg	Min
5	Road construction (de-trunking)		Neg	Mod	Neg	Min	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg

Legend

Maj	'Major' magnitude of impact	Mod	'Moderate' magnitude of impact
Min	'Minor' magnitude of impact	Neg	'Negligible' magnitude of impact

Phase	Activity	Predicted magnitudes of impact at representative noise sensitive receptor ($L_{Aeq,T}$ dB)												
		ID	1	2	3	4	5	6	7	8	9	10	11	12
		Location	6 Melyncourt Road	60 Hyde Road	8 Edge Lane	8 Rushycroft	3 Ash Close	30 Four Lanes	23 Tollemache Road	6 Old Road	23 Old Road	15 Old Road	43 Lodge Court	3 Tollemache Close
		Baseline (Day $L_{Aeq,T}$)	71	49	50	49	50	59	51	54	54	59	51	51
		Receptor SOAEL	75	65	65	65	65	65	65	65	65	65	65	65

Maj – S or Mod-S	Major' / 'Moderate' magnitude of impact considered to be Significant Adverse

Table 11.4.2: Predicted construction noise magnitudes of impact (IDs 13 to 24)

Phase	Activity	Predicted magnitudes of impact at representative noise sensitive receptor ($L_{Aeq,T}$ dB)											
		ID	13	14	15	16	17	18	19	20	21	22	23	24
		Location	Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
		Baseline (Day $L_{Aeq,T}$)	51	49	54	54	47	48	69	69	54	48	59	59
		Receptor SOAEL	65	65	65	65	65	65	75	75	65	65	65	65
All	Operation of compound		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
1	Site clearance		Min	Min	Maj	Mod	Mod	Mod	Mod	Mod	Min	Min	Maj	Maj
1	Demolition		Min	Neg	Maj	Neg	Min	Neg	Neg	Neg	Neg	Neg	Maj	Maj
1	Compound set-up		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
1	Pre-cast concrete piling near River Etherow		Neg	Min	Neg	Neg	Min	Min	Neg	Neg	Neg	Neg	Neg	Neg
1	Enabling works		Min	Neg	Maj	Min	Min	Min	Neg	Min	Neg	Neg	Maj	Maj
1	Traffic management Mottram Underpass		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
2,3	Watercourse works		Neg	Neg	Neg	Neg	Neg	Min	Neg	Neg	Neg	Neg	Neg	Min
2	Earthworks		Min	Neg	Mod	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
2	Mottram Underpass piling		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Min	Min

Phase	Activity		ID	13	14	15	16	17	18	19	20	21	22	23	24
		Predicted magnitudes of impact at representative noise sensitive receptor (L$_{Aeq,T}$ dB)													
			Location	Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
			Baseline (Day L$_{Aeq,T}$)	51	49	54	54	47	48	69	69	54	48	59	59
			Receptor SOAEL	65	65	65	65	65	65	75	75	65	65	65	65
2	Transport of fill material (east)			Min	Min	Maj	Mod	Mod	Min	Neg	Neg	Neg	Min	Neg	Neg
2	Carrhouse Lane Underpass			Neg	Neg	Neg	Min	Min	Neg	Neg	Neg	Neg	Neg	Neg	Neg
2	Old Mill underpass			Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
2	Traffic management Mottram Moor			Neg	Neg	Mod	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
3, 4, 5	Landscaping			Min	Min	Maj	Mod	Mod	Mod	Min	Mod	Min	Min	Maj	Maj
3	Mottram Underpass structure			Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Min	Min
3	Temporary road realignment			Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Min	Mod
3	Traffic management M67 & Woolley Bridge			Neg	Neg	Neg	Neg	Neg	Neg	Neg	Min	Neg	Neg	Neg	Neg
3	Road construction			Min	Min	Mod	Mod	Mod	Min	Mod	Maj	Min	Min	Neg	Neg

Phase	Activity	Predicted magnitudes of impact at representative noise sensitive receptor (L$_{Aeq,T}$ dB)											
		ID	13	14	15	16	17	18	19	20	21	22	23	24
		Location	Mottram Old Hall	37 Woolley Lane	103 Mottram Moor	Robin Hood Farm	Meadow View	Tara Brook Farm	54 Woolley Bridge	18 Woolley Bridge	7 Springfield Close	48 Lower Barn Road	32 Four Lanes	34 Four Lanes
		Baseline (Day L$_{Aeq,T}$)	51	49	54	54	47	48	69	69	54	48	59	59
		Receptor SOAEL	65	65	65	65	65	65	75	75	65	65	65	65
4	Road construction		Min	Min	Mod	Mod	Mod	Min	Mod	Maj	Min	Min	Neg	Neg
4	Transport of fill material (west)		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Maj - S	Maj - S
4	Traffic management Mottram Moor closed		Neg	Neg	Mod	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg
4	Road surfacing		Min	Min	Mod	Mod	Mod	Min	Mod	Maj	Min	Min	Maj	Maj
4	Excavation		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Maj - S	Maj - S
4	Installation of street furniture		Neg	Neg	Min	Neg	Min	Min	Neg	Mod	Neg	Neg	Min	Min
5	Road construction (detrunking)		Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg	Neg

Legend

Maj	'Major' magnitude of impact	Mod	'Moderate' magnitude of impact
Min	'Minor' magnitude of impact	Neg	'Negligible' magnitude of impact
Maj – S or Mod-S		'Major' / 'Moderate' magnitude of impact considered to be Significant Adverse