

Appendix 12.3 – WelTag Appraisal

APPRAISAL - NOISE POLLUTION

Current Appraisal Year: **2015**

Proposal Opening Year: **2017**

Average Household Size: **2.36**

Project (Road or Rail): **Road**

No. of households experiencing 'Without Scheme' & 'With Scheme' noise levels (given in dB_{Leq}) in **Opening Year**

	With Scheme	<45	45-47.9	48-50.9	51-53.9	54-56.9	57-59.9	60-62.9	63-65.9	66-68.9	69-71.9	72-74.9	75-77.9	78-80.9	81+
Without Scheme															
<45		459	7	0	0	0	0	0	0	0	0	0	0	0	0
45-47.9		22	331	13	0	0	0	0	0	0	0	0	0	0	0
48-50.9		0	24	355	2	0	0	0	0	0	0	0	0	0	0
51-53.9		0	0	31	198	0	0	0	0	0	0	0	0	0	0
54-56.9		0	0	0	13	122	5	1	0	0	0	0	0	0	0
57-59.9		0	0	0	0	20	74	1	2	0	0	0	0	0	0
60-62.9		0	0	0	0	0	8	76	1	0	0	0	0	0	0
63-65.9		0	0	0	0	0	0	5	67	1	0	0	0	0	0
66-68.9		0	0	0	0	0	0	0	8	219	4	0	0	0	0
69-71.9		0	0	0	0	0	0	0	0	23	37	0	0	0	0
72-74.9		0	0	0	0	0	0	0	0	0	1	5	0	0	0
75-77.9		0	0	0	0	0	0	0	0	0	0	0	0	0	0
78-80.9		0	0	0	0	0	0	0	0	0	0	0	0	0	0
81+		0	0	0	0	0	0	0	0	0	0	0	0	0	0

No. of households experiencing 'Without Scheme' & 'With Scheme' noise levels (given in dB_{Leq}) in **15th Year After Opening**

	With Scheme	<45	45-47.9	48-50.9	51-53.9	54-56.9	57-59.9	60-62.9	63-65.9	66-68.9	69-71.9	72-74.9	75-77.9	78-80.9	81+
Without Scheme															
<45		382	8	0	0	0	0	0	0	0	0	0	0	0	0
45-47.9		31	327	20	0	0	0	0	0	0	0	0	0	0	0
48-50.9		0	26	354	1	0	0	0	0	0	0	0	0	0	0
51-53.9		0	0	37	219	1	0	1	0	0	0	0	0	0	0
54-56.9		0	0	0	23	124	7	0	0	0	0	0	0	0	0
57-59.9		0	0	0	0	18	88	0	3	0	0	0	0	0	0
60-62.9		0	0	0	0	0	7	77	2	0	0	0	0	0	0
63-65.9		0	0	0	0	0	0	5	57	1	1	0	0	0	0
66-68.9		0	0	0	0	0	0	0	3	206	2	0	0	0	0
69-71.9		0	0	0	0	0	0	0	0	24	69	0	0	0	0
72-74.9		0	0	0	0	0	0	0	0	0	3	8	0	0	0
75-77.9		0	0	0	0	0	0	0	0	0	0	0	0	0	0
78-80.9		0	0	0	0	0	0	0	0	0	0	0	0	0	0
81+		0	0	0	0	0	0	0	0	0	0	0	0	0	0

Net Present Value of Noise of Proposal
(60 Year Period)

£587,566

*positive value reflects a net benefit (i.e. noise reduction)

Estimated Population Annoyed (Without Scheme):

560

Estimated Population Annoyed (With Scheme):

548

Net Noise Annoyance Change in 15th Year After
Opening (no. of people):

-12

*positive value reflects an increase in people annoyed by noise