

## A1 Birtley to Coal House

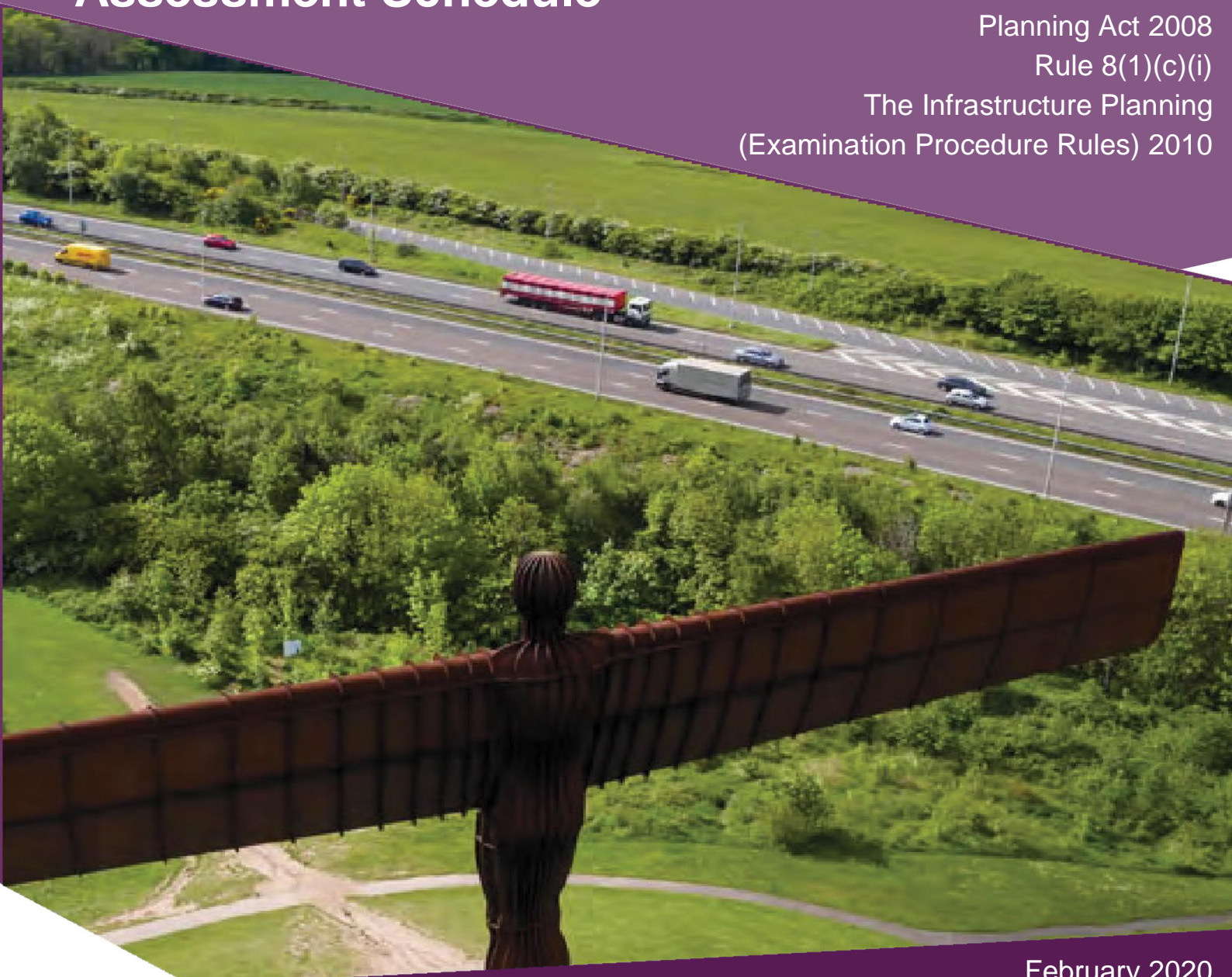
Scheme Number: TR010031

### Applicant's Responses to ExA's First Written Questions – Appendix 1.5B - Gantry Assessment Schedule

Planning Act 2008

Rule 8(1)(c)(i)

The Infrastructure Planning  
(Examination Procedure Rules) 2010



Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning  
(Examination Procedure Rules) 2010**

The A1 Birtley to Coal House  
Development Consent Order 20[xx]

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**APPLICATION'S RESPONSES TO EXA'S FIRST WRITTEN QUESTIONS**

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<b>Rule Number:</b>	Rule 8(1)(c)(i)
<b>Planning Inspectorate Scheme Reference</b>	TR010031
<b>Application Document Reference</b>	n/a
<b>Author:</b>	A1 Birtley to Coal House Project Team, Highways England

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Rev 0	25th February 2020	For Issue

## Introduction

This appendix updates the assessment of landscape character and visual receptors to include the provision of the proposed gantry locations as identified in the **General Arrangement Plan [APP-010]**. The assessment considers the impacts and effects as identified in **Chapter 7: Landscape and visual of the ES [APP-028]** and updates the findings accordingly.

This assessment has scoped out the construction impacts as the construction of the gantry footings and bases would not be readily perceptible within the construction impacts associated with the widening and new bridge provision that have already been assessed, the presence of the gantries themselves would arise over a short duration (several days). The assessment considers the changes to the impacts for the winter Year 1 and summer Year 15 and updates the findings of the assessment of effects.

This assessment compared the findings of the assessment of Allerdene viaduct option, as this identifies a greater potential for a significant adverse effect on landscape character and visual receptors and therefore represents a worst-case scenario.

## Landscape Character

For the assessment of landscape character effects refer to **Table 1-1 Landscape character effects**. For a description of the landscape character baseline refer to Section 7 of **Chapter 7: Landscape and visual [APP-28]** and **Figure 7.1: Landscape Character Study Area and Landscape Character Areas [APP-054]**.

For a description of the potential impacts and predicted effects refer to Sections 7.8 and 7.10 of **Chapter 7: Landscape and visual [APP-28]** respectively. For gantry locations in relation to the landscape and proposed mitigation measures, please refer to **Figure 7.6: Landscape Mitigation Design [APP-061]**.

Text in **red** denotes a change in the findings of the assessment as compared to the assessment undertaken previously and described in **Appendix 7.1: Visual Effects Schedule [APP-121]**.

**Table 1-1 Landscape character assessment of gantries**

Landscape character area	Baseline	Chainage and gantry type	Description of impacts	Previous Magnitude of impact		Previous Significance of effect		Magnitude of impact with gantries		Significance of effect with gantries	
LLCA 1 – Team Valley	Refer to 7.7.18 – 7.7.26	11090 Cantilever 11150 Superspan (confirmatory) 11370 Cantilever 11680 Cantilever 12180 Cantilever 12270 Cantilever 12450 Superspan (confirmatory) 12870 Superspan (confirmatory) 13370 Superspan (confirmatory)	The proposed gantries between junction 67 and the crossing of Smithy Lane would be located within a relatively open part of the character area and would influence the northern fringes of this large character area. Whilst mitigation planting would soften the appearance of the road, the gantries would exert a local influence on the perception of landscape character. This is particularly true of the proposed cantilever gantry at chainage 11370 associated with the Allerdene viaduct structure. The direct and permanent impact of this gantry would be limited to the group of fields north of Smithy Lane and east of Lamesley Lane. Between Smithy Lane and junction 66 the gantries would be screened from the	Winter Yr 1	Moderate adverse	Winter Yr 1	Moderate adverse	Winter Yr 1	<b>Moderate adverse</b>	Winter Yr 1	<b>Moderate adverse</b>
				Summer Yr 15	Moderate adverse	Summer Yr 15	Moderate adverse	Summer Yr 15	<b>Moderate adverse</b>	Winter Yr 1	<b>Moderate adverse</b>



Landscape character area	Baseline	Chainage and gantry type	Description of impacts	Previous Magnitude of impact		Previous Significance of effect		Magnitude of impact with gantries		Significance of effect with gantries	
			valley floor by the adjacent woodland, including the broad tract of Longacre Wood. From the opposing side of the valley and as elevation increases, direct views of the top of the gantries would emerge, however a combination of distance and intervening vegetation within the landscape would constrain the magnitude of the resulting impact.								
LLCA 2 – Team Valley Industrial Estate	Refer to 7.7.27 – 7.7.30	11090 Cantilever 11150 Superspan (confirmatory) 11370 Cantilever	The gantries located within the valley floor to the southern extents of the character area would give rise to a locally perceptible, indirect and permanent impact due to the increased awareness of the A1 to the south. The vertical elements would raise the height of the structures associated with the highway. The majority of the character area would be unaffected by the changes and intervening buildings would limit the broader views south.	Winter Yr 1	Minor adverse	Winter Yr 1	Slight adverse	Winter Yr 1	<b>Minor adverse</b>	Winter Yr 1	<b>Slight adverse</b>
				Summer Yr 15	No change	Summer Yr 15	Slight adverse	Summer Yr 15	<b>Minor adverse</b>	Winter Yr 1	<b>Slight adverse</b>
LLCA 3 – Chowdene/Wrekenton Suburbs	Refer to 7.7.31 – 7.7.33		It is not anticipated that gantries would be readily perceptible within the character for indirect impacts to arise.	Winter Yr 1	Minor adverse	Winter Yr 1	Slight adverse	Winter Yr 1	<b>Minor adverse</b>	Winter Yr 1	<b>Slight adverse</b>
				Summer Yr 15	Negligible adverse	Summer Yr 15	Neutral	Summer Yr 15	<b>Negligible adverse</b>	Summer Yr 15	<b>Neutral</b>
LLCA 4 – Springwell Rise	Refer to 7.7.34 – 7.7.36	13510 Superspan (confirmatory) 13630 Cantilever 14050 Cantilever 14210 Superspan (confirmatory) 14330  Superspan (confirmatory)	The presence of the gantries extending between junction 65 and 66 would, in combination with the replacement footbridge result in a perceptible and urbanising direct permanent impact on the open countryside that makes up the majority of the character area. This would occur on the south west fringes of the character area and would extend the influence of the A1 north eastwards as the landform rises. The gantries would replace the existing roadside signs.	Winter Yr 1	Negligible adverse	Summer Yr 15	Neutral	Winter Yr 1	<b>Minor adverse</b>	Winter Yr 1	<b>Slight adverse</b>
				Summer Yr 15	No change	Summer Yr 15	Neutral	Summer Yr 15	<b>Negligible</b>	Summer Yr 15	<b>Slight adverse</b>
LLCA 5 - Birtley	Refer to 7.7.39 –	13510 Superspan (confirmatory)	The addition of the gantries extending between junction 65 and 66, in	Winter Yr 1	Negligible adverse	Winter Yr 1	Neutral	Winter Yr 1	<b>Minor adverse</b>	Winter Yr 1	<b>Slight adverse</b>

Landscape character area	Baseline	Chainage and gantry type	Description of impacts	Previous Magnitude of impact		Previous Significance of effect		Magnitude of impact with gantries		Significance of effect with gantries	
	7.7.42	13630 Cantilever 14050 Cantilever 14210 Superspan (confirmatory) 14330 Superspan (confirmatory)	combination with the replacement footbridge would result in an increased presence of the A1 and a direct and permanent impact. The top of gantries would extend the influence and awareness of the corridor beyond the highway and immediate housing that currently provides a buffer. The more open aspect to the east of the boundary with LLCA 4 Springwell Rise that is formed by the A1 at this location, would result in the top of two gantries (14210 and 14330) being perceptible on the wider skyline.	Summer Yr 15	No change	Summer Yr 15	Neutral	Summer Yr 15	<b>Minor adverse</b>	Summer Yr 15	<b>Slight adverse</b>

### Summary of Changes to Landscape Character Effects

The presence of gantries within the modified A1 corridor would contribute to additional vertical structures within the landscape. Direct and permanent impacts would occur to three of the LLCAs (LLCA 1 - Team Valley, LLCA 4 – Springwell Rise and LLCA 5 – Birtley). The impacts of the gantries between Smithy Lane and junction 66 are constrained by the existing roadside planting and woodland within the wider landscape, such that they would result in only a negligible deterioration in the perception of landscape character. The gantries between Junction 67 and Smithy Lane would be more exposed, as much of the existing roadside planting would be removed by the Scheme and direct impacts would occur to the perception of landscape character, particularly to the northern fringes of LLCA 1 – Team Valley which is already influenced by the urban features of the warehouses and retail outlets found in LLCA 2 – Team Valley Industrial Estate. As a result and when considered within the context of the changes arising the magnitude of impact is not considered to have substantially increased and the resulting effect would remain as **moderate adverse (significant)**.

Between Junction 66 and junction 65 the A1 is elevated and defines the urban development that forms LLCA 5 – Birtley and the open countryside that forms LLCA 4 – Springwell Rise. As a result, there would be direct impacts on both character areas. The urbanising impact on LLCA 4 – Springwell Rise would affect the southern fringes of the character area, and in more distant views heighten the existing awareness of the A1. As a result, the magnitude of impact arising would increase slightly from negligible adverse in winter Year 1 to minor adverse, giving rise to a slight adverse effect. In the summer of Year 15 the effect of No change would increase to Minor adverse – the tops of the gantries would remain visible above the landscape mitigation of hedgerows and groups of trees, such that the magnitude of impact would remain minor adverse and the resulting effect would be **slight adverse (not significant)**.

For LLCA 5 – Birtley the impacts would occur to the north of the character area, the top of gantries being visible above adjacent rooflines, highlighting the presence of the existing A1 corridor. As a result, the magnitude of impact in winter Year 1 and in summer Year 15 is anticipated to be is anticipated to increase to Minor adverse, giving rise to a **slight adverse effect (not significant)**.

The presence of the gantries within the modified corridor would for some character areas result in an increased awareness of the A1, however their influence would rapidly diminish as distance from the corridor increases, such that the impacts are generally confined to the landscape already impacted by the Proposed Scheme. As a result, the significance of effect for two of the character areas (LLCA 4 – Springwell Rise and LLCA 5 – Birtley) have been modified and the magnitude of impact has increased to Minor adverse and the resulting effect has increased from neutral to **slight adverse (not significant)**. For LLCA 1 – Team Valley the previously identified Moderate adverse significance of effect is not anticipated to have changed and remains **significant**.

### Visual

For the assessment of visual effects refer to Table 1-2 Visual assessment of gantries below and to **Appendix 7.1: Visual Effects Schedule [APP-121]**. For gantry locations in relation to the landscape and proposed mitigation measures, please refer to **Figure 7.6: Landscape Mitigation Design [APP-061]**.

In undertaking the assessment, the following documents were referred to:

- For baseline descriptions of the views associated with the receptor references refer to **Appendix 7.1: Visual Effects Schedule [APP-121]**.

- For the location of receptors refer to **Figure 7.4 Visual Effects Drawing [APP-057]**
- For a description of the magnitude of impact refer to **Table 7-8 – Visual magnitude of impact rating in Chapter 7: Landscape and Visual in the 2019 ES [APP-028]**.
- For a description of the significance of effect refer to **Table 7-12 – Visual significance of effects rating in Chapter 7: Landscape and Visual in the 2019 ES [APP-028]**.

Text in **red** denotes a change in the findings of the assessment as compared to the assessment undertaken previously and described in **Appendix 7.1: Visual Effects Schedule [APP-121]**.

**Table 1-1 Visual assessment of gantries**

Chainage	Gantry Type	Receptor Ref	Baseline	Previous magnitude of impact (Allerdene viaduct option)	Previous Significance of effect (Allerdene viaduct option)	Magnitude of impact with gantries (Allerdene viaduct option)	Significance of effect with gantry (Allerdene viaduct option)							
<b>Gantry Group 1</b>		<b>Residential Receptors</b>												
11090 11150 11370 11680	Cantilever Superspan (confirmatory) Cantilever Cantilever	R7	Ref to App 7.1 [APP-121]	Winter Yr 1	Moderate Adverse	Winter Yr 1	Moderate Adverse	Winter Yr 1	<b>Moderate Adverse</b> – Gantries 11090, 11150, 11370 and 11680 will be viewed in combination.	Winter Yr 1	<b>Moderate Adverse</b>			
				Summer Yr 15	Moderate Adverse	Summer Yr 15	Moderate Adverse	Summer Yr 15		Summer Yr 15				
		R8		Winter Yr 1	Moderate Adverse	Winter Yr 1	Moderate Adverse	Winter Yr 1	<b>Moderate Adverse</b> -Gantries 11090, 11150, 11370 and 11680 will be viewed in combination.	Winter Yr 1	<b>Moderate Adverse</b>			
				Summer Yr 15	Moderate Adverse	Summer Yr 15	Moderate Adverse	Summer Yr 15		Summer Yr 15				
		R38		Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> -Gantries 11090, 11150 and 11370 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>			
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		<b>No Change</b> – Vegetation in leaf will filter views.		Summer Yr 15	<b>Neutral</b>	
		R39		Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> -Gantries 11090, 11150 and 11370 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>			
				Summer Yr 15	Negligible Adverse	Summer Yr 15	Slight Adverse	Summer Yr 15		<b>Negligible Adverse</b> – Vegetation in leaf will filter views.		Summer Yr 15	<b>Slight Adverse</b>	
		R40		Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> -Gantries 11090, 11150 and 11370 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>			
				Summer Yr 15	Negligible Adverse	Summer Yr 15	Slight Adverse	Summer Yr 15		<b>Negligible Adverse</b> – Vegetation in leaf will filter views.		Summer Yr 15	<b>Slight Adverse</b>	
		<b>PRoW Receptors</b>												
					P3	Ref to App 7.1 [APP-121]	Winter Yr 1	Moderate Adverse	Winter Yr 1	Moderate Adverse	Winter Yr 1	<b>Moderate Adverse</b> - Gantries 11090, 11150, 11370 and 11680 will be viewed in combination.	Winter Yr 1	<b>Moderate Adverse</b>
							Summer Yr 15	Moderate Adverse	Summer Yr 15	Moderate Adverse	Summer Yr 15		Summer Yr 15	
					P23		Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> -Gantries 11090, 11150 and 11370 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>
							Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		<b>No Change</b> – Vegetation in leaf will filter views	

Chainage	Gantry Type	Receptor Ref	Baseline	Previous magnitude of impact (Allerdene viaduct option)		Previous Significance of effect (Allerdene viaduct option)		Magnitude of impact with gantries (Allerdene viaduct option)		Significance of effect with gantry (Allerdene viaduct option)						
<b>Other Receptors</b>																
		O4	Ref to App 7.1 [APP-121]	Winter Yr 1	Moderate Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Moderate Adverse</b> - Gantries 11090, 11150, 11370 and 11680 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>					
				Summer Yr 15	Moderate Adverse	Summer Yr 15	Slight Adverse	Summer Yr 15		Summer Yr 15						
				O5	Ref to App 7.1 [APP-121]	Winter Yr 1	Moderate Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Moderate Adverse</b> - Gantries 11090, 11150, 11370 and 11680 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>			
						Summer Yr 15	Moderate Adverse	Summer Yr 15	Slight Adverse	Summer Yr 15		Summer Yr 15				
				O16		Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> - Gantries 11090 and 11150 will be viewed in combination and be imperceptible, as before construction.	Winter Yr 1	<b>Neutral</b>		
							Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15			
<b>Highways Receptors</b>																
		H1	Ref to App 7.1 [APP-121]	Winter Yr 1			Moderate Adverse	Summer Yr 15	Slight Adverse	Winter Yr 1	<b>Moderate Adverse</b> - Gantries 11090, 11150, 11370 and 11680 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>			
				Summer Yr 15	Moderate Adverse		Winter Yr 1	Slight Adverse	Summer Yr 15	Summer Yr 15						
		H2		Ref to App 7.1 [APP-121]	Winter Yr 1		Moderate Adverse	Summer Yr 15	Slight Adverse	Winter Yr 1	<b>Moderate Adverse</b> - Gantries 11090, 11150, 11370 and 11680 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>			
					Summer Yr 15	Moderate Adverse	Winter Yr 1	Slight Adverse	Summer Yr 15	Summer Yr 15						
		H3			Ref to App 7.1 [APP-121]	Winter Yr 1	Minor Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Minor Adverse</b> - Gantries 11090, 11150, 11370 and 11680 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>			
						Summer Yr 15	Negligible Adverse	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15				
		H8				Ref to App 7.1 [APP-121]	Winter Yr 1	Negligible Adverse	Summer Yr 15	Neutral	Winter Yr 1	<b>Negligible Adverse</b> - Gantries 11090, 11150 and 11370 will be viewed in combination.	Winter Yr 1	<b>Neutral</b>		
							Summer Yr 15	Negligible Adverse	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15			
		H9					Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> - Gantries 11090 and 11150 will be viewed in combination and be imperceptible, as before construction.	Winter Yr 1	<b>Neutral</b>	
								Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15		
<b>Gantry Group 2</b>		<b>Residential Receptors</b>														
12180 12270	Cantilever Cantilever	R12						Ref to App 7.1	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> - Gantries 12870 and 13370 will be imperceptible	Winter Yr 1	<b>Neutral</b>



Chainage	Gantry Type	Receptor Ref	Baseline	Previous magnitude of impact (Allerdene viaduct option)		Previous Significance of effect (Allerdene viaduct option)		Magnitude of impact with gantries (Allerdene viaduct option)		Significance of effect with gantry (Allerdene viaduct option)		
12450	Superspan (confirmatory) Superspan (confirmatory) Superspan (confirmatory)		[APP-121]	Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15	in combination.	Summer Yr 15		
12870		R13		Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantry 12870 will be imperceptible, as before construction.	Winter Yr 1	<b>Neutral</b>	
13370				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15		
		R14			Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantry 12870 will be imperceptible, as before construction.	Winter Yr 1	<b>Neutral</b>
					Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	
		R15			Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> - Gantries 12870 and 13370 will be imperceptible in combination.	Winter Yr 1	<b>Neutral</b>
					Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	
		R16			Winter Yr 1	Minor Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Minor Adverse</b> – Gantries 12870 and 13370 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>
					Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	
		R17			Winter Yr 1	Minor Adverse	Winter Yr 1	Moderate Adverse	Winter Yr 1	<b>Minor Adverse</b> – Gantries 12870 and 13370 will be viewed in combination.	Winter Yr 1	<b>Moderate Adverse</b>
					Summer Yr 15	Negligible Adverse	Summer Yr 15	Slight Adverse	Summer Yr 15		Summer Yr 15	
		R34			Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 12180, 12270, 12450 and 12870 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>
					Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	
<b>PRoW Receptors</b>												
	P1c		Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantries 12870 and 13370 will be imperceptible, as before construction.	Winter Yr 1	<b>Neutral</b>	
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15		
	P17			Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 12870 and 13370 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>	
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15		
	P18			Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 12870 and 13370 will be viewed	Winter Yr 1	<b>Slight Adverse</b>	



Chainage	Gantry Type	Receptor Ref	Baseline	Previous magnitude of impact (Allerdene viaduct option)		Previous Significance of effect (Allerdene viaduct option)		Magnitude of impact with gantries (Allerdene viaduct option)		Significance of effect with gantry (Allerdene viaduct option)	
									in combination.		
		P20		Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>
			Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 12870 and 13370 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>	
		P21		Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>
			Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 12870 and 13370 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>	
		P22		Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>
			Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 12180, 12270, 12450 and 12870 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>	
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>
<b>Other Receptors</b>											
		O12	Ref to App 7.1 [APP-121]	Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 12180, 12270, 12450, 12870 and 13370 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>
		O13	Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantry 12870 will be imperceptible, as before construction.	Winter Yr 1	<b>Neutral</b>
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	
		O14	Ref to App 7.1 [APP-121]	Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 12180, 12270 and 12450 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>
				Summer Yr 15	Negligible Adverse	Summer Yr 15	Slight Adverse	Summer Yr 15		Summer Yr 15	
<b>Highways Receptors</b>											
		H4	Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantry 12870 will be imperceptible, as before construction.	Winter Yr 1	<b>Neutral</b>
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	
		H7	Ref to App 7.1 [APP-121]	Winter Yr 1	Negligible Adverse	Winter Yr 1	Neutral	Winter Yr 1	<b>Negligible Adverse</b> - Gantry 12870 will be perceptible.	Winter Yr 1	<b>Neutral</b>
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>

Chainage	Gantry Type	Receptor Ref	Baseline	Previous magnitude of impact (Allerdene viaduct option)		Previous Significance of effect (Allerdene viaduct option)		Magnitude of impact with gantries (Allerdene viaduct option)		Significance of effect with gantry (Allerdene viaduct option)	
<b>Gantry Group 3</b>		<b>Residential Receptors</b>									
13510	Superspan (confirmatory) Cantilever Cantilever Superspan (confirmatory) Superspan (confirmatory)	R18	Ref to App 7.1 [APP-121]	Winter Yr 1	Negligible beneficial	Winter Yr 1	Slight beneficial	Winter Yr 1	<b>Minor adverse</b> – Gantries 13510 and 13630 will be viewed in combination above and beyond the noise barrier.	Winter Yr 1	<b>Slight Adverse</b>
13630				Summer Yr 15	Negligible beneficial	Summer Yr 15	Slight beneficial	Summer Yr 15		<b>Negligible adverse</b> – Gantries 13510 and 13630 will be viewed in combination above and beyond the noise barrier.	
14050		R19		Winter Yr 1	Minor Beneficial	Winter Yr 1	Slight beneficial	Winter Yr 1	<b>Negligible adverse</b> – Gantries 13510 and 13630 will be viewed in combination above and beyond the noise barrier.	Winter Yr 1	<b>Slight Adverse</b>
14210				Summer Yr 15	Minor Beneficial	Summer Yr 15	Slight beneficial	Summer Yr 15		<b>Negligible adverse</b> – Gantries 13510 and 13630 will be viewed in combination above and beyond the noise barrier, maturing vegetation will filter views.	
14330		R20		Winter Yr 1	Minor Beneficial	Winter Yr 1	Slight beneficial	Winter Yr 1	<b>Minor beneficial</b> – Gantry 14050 will be barely perceptible above and beyond the noise barrier.	Winter Yr 1	<b>Slight beneficial</b>
				Summer Yr 15	Minor Beneficial	Summer Yr 15	Slight beneficial	Summer Yr 15		Summer Yr 15	
		R21		Winter Yr 1	Minor Beneficial	Winter Yr 1	Slight beneficial	Winter Yr 1	<b>Minor beneficial</b> – Gantry 14050 will be barely perceptible above and beyond the noise barrier.	Winter Yr 1	<b>Slight beneficial</b>
				Summer Yr 15	Minor Beneficial	Summer Yr 15	Slight beneficial	Summer Yr 15		Summer Yr 15	
		R22		Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>Negligible adverse</b> – Gantries 14050, 14210 and 14330 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	
		R23		Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>Negligible adverse</b> – Gantries 14210 and 14330 will be viewed in combination. Views will be available middle distance heavily filtered by vegetation.	Winter Yr 1	<b>Slight Adverse</b>
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	
		R24		Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 14210 and 14330 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	
		R25		Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 14210 and 14330 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15	

Chainage	Gantry Type	Receptor Ref	Baseline	Previous magnitude of impact (Allerdene viaduct option)		Previous Significance of effect (Allerdene viaduct option)		Magnitude of impact with gantries (Allerdene viaduct option)		Significance of effect with gantry (Allerdene viaduct option)				
				Winter Yr 1	Summer Yr 15	Winter Yr 1	Summer Yr 15	Winter Yr 1	Summer Yr 15	Winter Yr 1	Summer Yr 15	Winter Yr 1	Summer Yr 15	
		R27	Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 14210 and 14330 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>			
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15		Summer Yr 15				
		R28		Winter Yr 1	Minor adverse	Winter Yr 1	Slight adverse	Winter Yr 1	<b>Minor Adverse</b> – Gantry 14050 will be barely perceptible.	Winter Yr 1	<b>Slight Adverse</b>			
				Summer Yr 15	No change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>			
		R29		Winter Yr 1	Minor adverse	Winter Yr 1	Slight adverse	Winter Yr 1	<b>Minor Adverse</b> – Gantry 14050 will be barely perceptible.	Winter Yr 1	<b>Slight Adverse</b>			
				Summer Yr 15	No change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>			
		R31		Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 13630 and 14050 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>			
				Summer Yr 15	No change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>			
		<b>PRoW Receptors</b>												
		P1d		Ref to App 7.1 [APP-121]	Winter Yr 1	Minor adverse	Winter Yr 1	Slight adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 13630 and 14050 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>		
					Summer Yr 15	No change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>		
		P10		Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 14050 and 14210 will be viewed in combination, offset by removal of existing roadside signs.	Winter Yr 1	<b>Slight Adverse</b>		
					Summer Yr 15	Negligible beneficial	Summer Yr 15	Slight beneficial	Summer Yr 15	<b>Negligible beneficial</b> - Vegetation in leaf will filter views.	Summer Yr 15	<b>Slight beneficial</b>		
		P11		Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantry 14210 and 14330 will be barely perceptible and comparable to the existing view.	Winter Yr 1	<b>Neutral</b>		
					Summer Yr 15	Negligible beneficial	Summer Yr 15	Slight beneficial	Summer Yr 15	<b>Negligible beneficial</b> - Vegetation in leaf will filter views.	Summer Yr 15	<b>Slight beneficial</b>		
		P12		Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantry 14210 and 14330 will be barely perceptible and comparable to the existing view.	Winter Yr 1	<b>Neutral</b>		
Summer Yr 15	No Change		Summer Yr 15		Neutral	Summer Yr 15	Summer Yr 15							
P13	Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantry 14210 and 14330 will be barely perceptible	Winter Yr 1	<b>Neutral</b>					

Chainage	Gantry Type	Receptor Ref	Baseline	Previous magnitude of impact (Allerdene viaduct option)		Previous Significance of effect (Allerdene viaduct option)		Magnitude of impact with gantries (Allerdene viaduct option)		Significance of effect with gantry (Allerdene viaduct option)		
				Summer Yr 15	No Change	Winter Yr 1	Neutral	Summer Yr 15	and comparable to the existing view.	Summer Yr 15		
		P14		Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantry 14210 and 14330 will be barely perceptible and comparable to the existing view.	Winter Yr 1	<b>Neutral</b>	
				Summer Yr 15	No Change	Winter Yr 1	Neutral	Summer Yr 15		Summer Yr 15		
		P15		Winter Yr 1	Minor Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Minor Adverse</b> – Gantry 14050 will be barely perceptible.	Winter Yr 1	<b>Slight Adverse</b>	
				Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>	
		P16		Winter Yr 1	Negligible Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Negligible Adverse</b> – Gantries 13630 and 14050 will be viewed in combination.	Winter Yr 1	<b>Slight Adverse</b>	
				Summer Yr 15	Negligible Beneficial	Summer Yr 15	Slight Beneficial	Summer Yr 15		<b>Negligible beneficial</b> - Vegetation in leaf will filter views.		Summer Yr 15
<b>Other Receptors</b>												
		O8	Ref to App 7.1 [APP-121]	Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>No Change</b> – Gantries 14210 and 14330 will be barely perceptible and comparable to the existing view.	Winter Yr 1	<b>Neutral</b>	
					Summer Yr 15	No Change	Winter Yr 1	Neutral		Summer Yr 15		Summer Yr 15
		O9			Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>Negligible adverse</b> – Gantries 14050, 14210 and will be perceptible above and beyond the back-garden vegetation.	Winter Yr 1	<b>Slight Adverse</b>
					Summer Yr 15	No Change	Winter Yr 1	Neutral	Summer Yr 15		Summer Yr 15	
		O10			Winter Yr 1	Minor Adverse	Winter Yr 1	Slight Adverse	Winter Yr 1	<b>Minor Adverse</b> – Gantry 14050 will be barely perceptible.	Winter Yr 1	<b>Slight Adverse</b>
					Summer Yr 15	No Change	Summer Yr 15	Neutral	Summer Yr 15	<b>No Change</b> – Vegetation in leaf will filter views.	Summer Yr 15	<b>Neutral</b>
<b>Highways Receptors</b>												
		H5		Winter Yr 1	No Change	Winter Yr 1	Neutral	Winter Yr 1	<b>Minor Adverse</b> – Gantry 14050 will be perceptible and obscure a portion of views towards the Angel of the North.	Winter Yr 1	<b>Slight Adverse</b>	
				Summer Yr 15	No Change	Winter Yr 1	Neutral	Summer Yr 15		Summer Yr 15		

### Summary of changes to Visual

The assessment has identified that the majority of receptors would not experience a significant change in visual effects. As a result, the findings of the assessment for the majority of the receptors, as set out in **Appendix 7.1: Visual Effects Schedule [APP-121]**, would remain unchanged.

For Gantry Group 3, a number of receptors are anticipated to be subject to an adverse effect, where previously a beneficial effect had been identified. This would occur for 7 residential groups, (R18, R19, R22 - R25) to the northern edge of Birtley with existing views of the A1. It is anticipated that views would be partially screened by the proposed acoustic barrier but would now include a view of the upper section of the gantry or gantries. This would result in the previously Slight beneficial effect becoming **slight adverse (not significant)**.



North of the A1 a single receptor (Ref R27) which had previously been identified as being subject to a Neutral effect would have awareness of the top of a gantry beyond mature garden boundaries, as a result the significance of effect would increase to **slight adverse (not significant)**.

Bowes Incline Hotel (Ref O9) had previously been identified as being subject to a Neutral effect following construction, however with an awareness of the top of a gantry to the north east the significance of effect has been revised to **slight adverse (not significant)**.

The A1231 as it crosses the A1 on an overbridge (Ref H5) would afford a view north west, briefly comprising an extensive view along the length of the A1 to the north of Birtley. The assessment had previously identified a neutral effect, however with the introduction of gantries to this corridor, the significance of effect has been modified to **slight adverse (not significant)**

The overall summary of the assessment to include potential effects from the proposed gantries would result in a modification to the findings of the assessment, with a minor worsening of the effects where previously a neutral or slight beneficial effect has changed to a **slight adverse** effect (**not significant**). No visual receptors have been identified as being subject to a significant effect (Moderate adverse or greater).