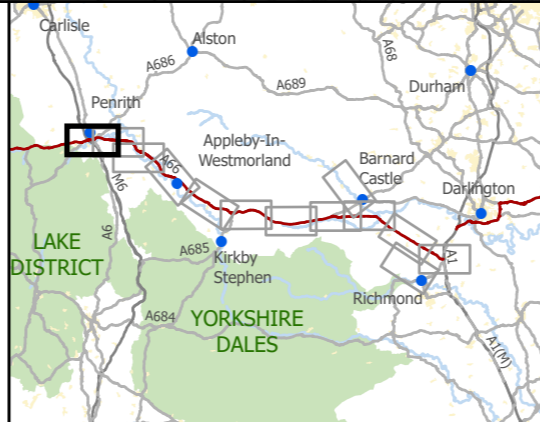


## A66 Northern Trans-Pennine

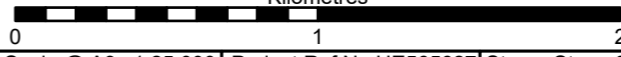
### Figures - 12. Noise and Vibration



Scheme Alignment - Evolved Preferred Route Announcement (EPRA)  
 Study Area  
 Noise Action Plan Important Area (Road)



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



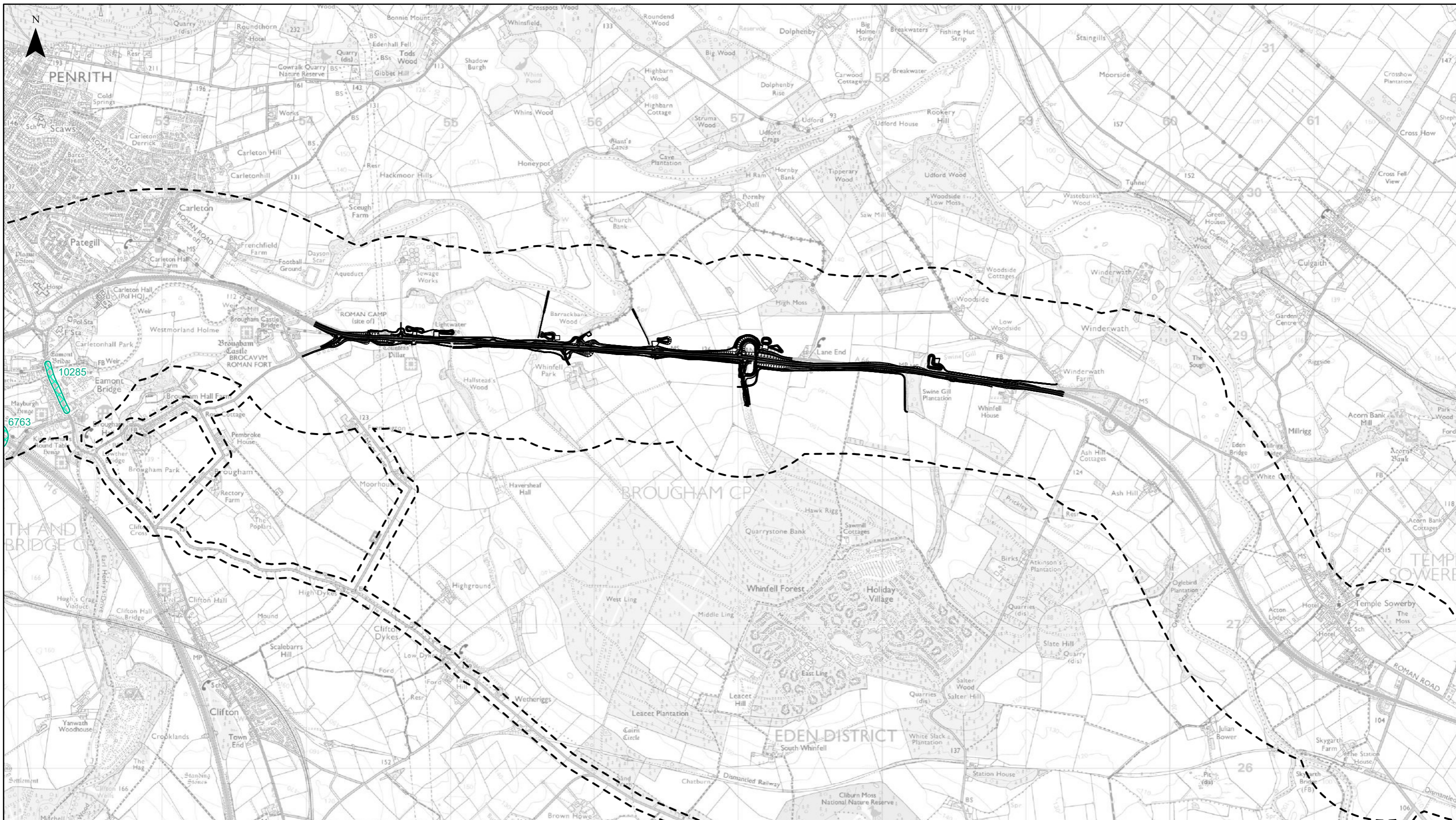
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Project Name  
**A66 Northern Trans-Pennine**

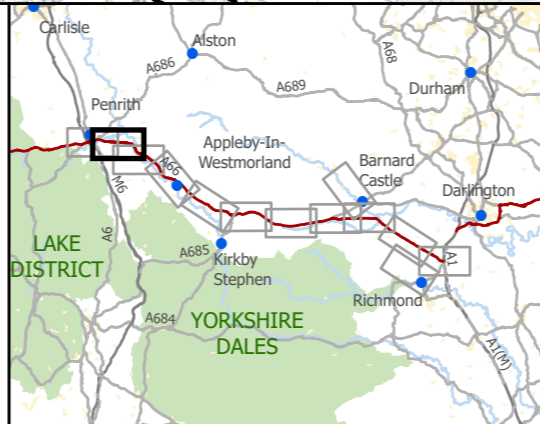
Map Title  
**Figure 12.1**  
**EPRA Study Area**  
 Sheet 1 of 13  
**M6 Junction 40 to Kemplay Bank**

Map Number	Project	Originator	Volume
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S00	-	MP	LN - 008000
Location	Type	Role	Number

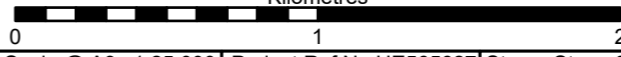
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



Scheme Alignment - Evolved Preferred Route Announcement (EPRA)  
 Study Area  
 Noise Action Plan Important Area (Road)



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
Revision	Created	Checked	Reviewed	Approved	Authorised
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21



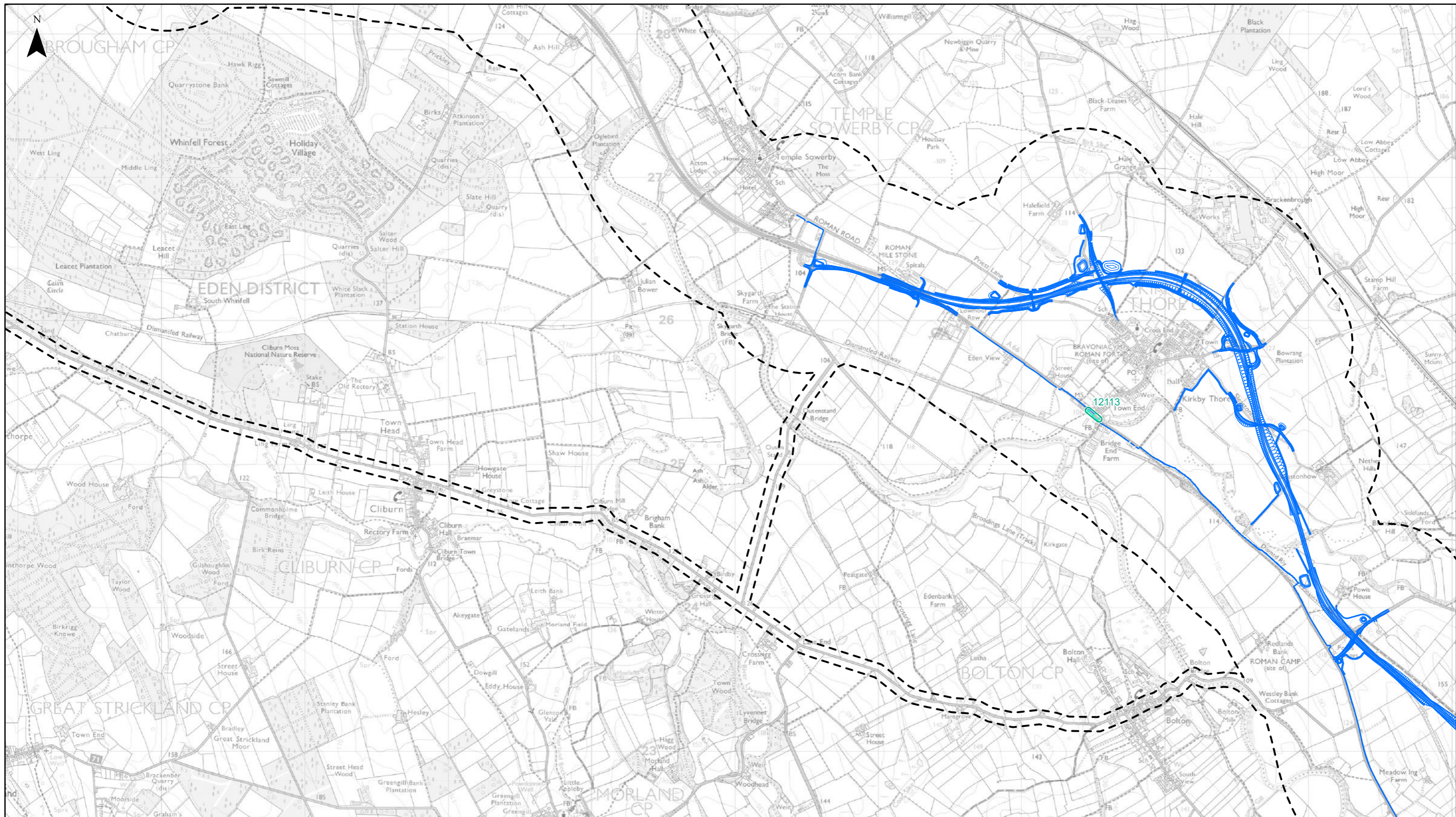
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Project Name  
**A66 Northern Trans-Pennine**

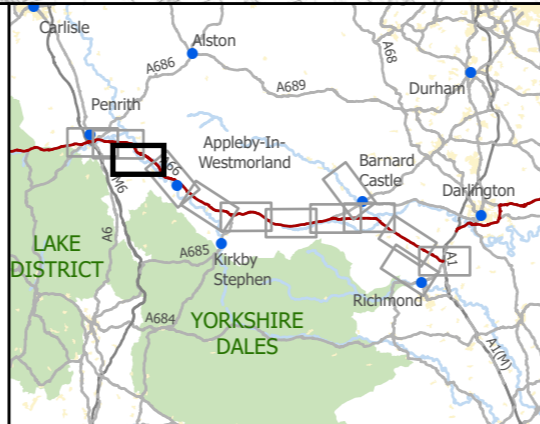
Map Title  
**Figure 12.1**  
**EPRA Study Area**  
 Sheet 2 of 13  
**Penrith to Temple Sowerby**

Map Number	Project	Originator	Volume
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S00	-	MP - LN	- 008001
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



Blue Alternative - Evolved Preferred Route Announcement (EPRA)  
 Study Area  
 Noise Action Plan Important Area (Road)

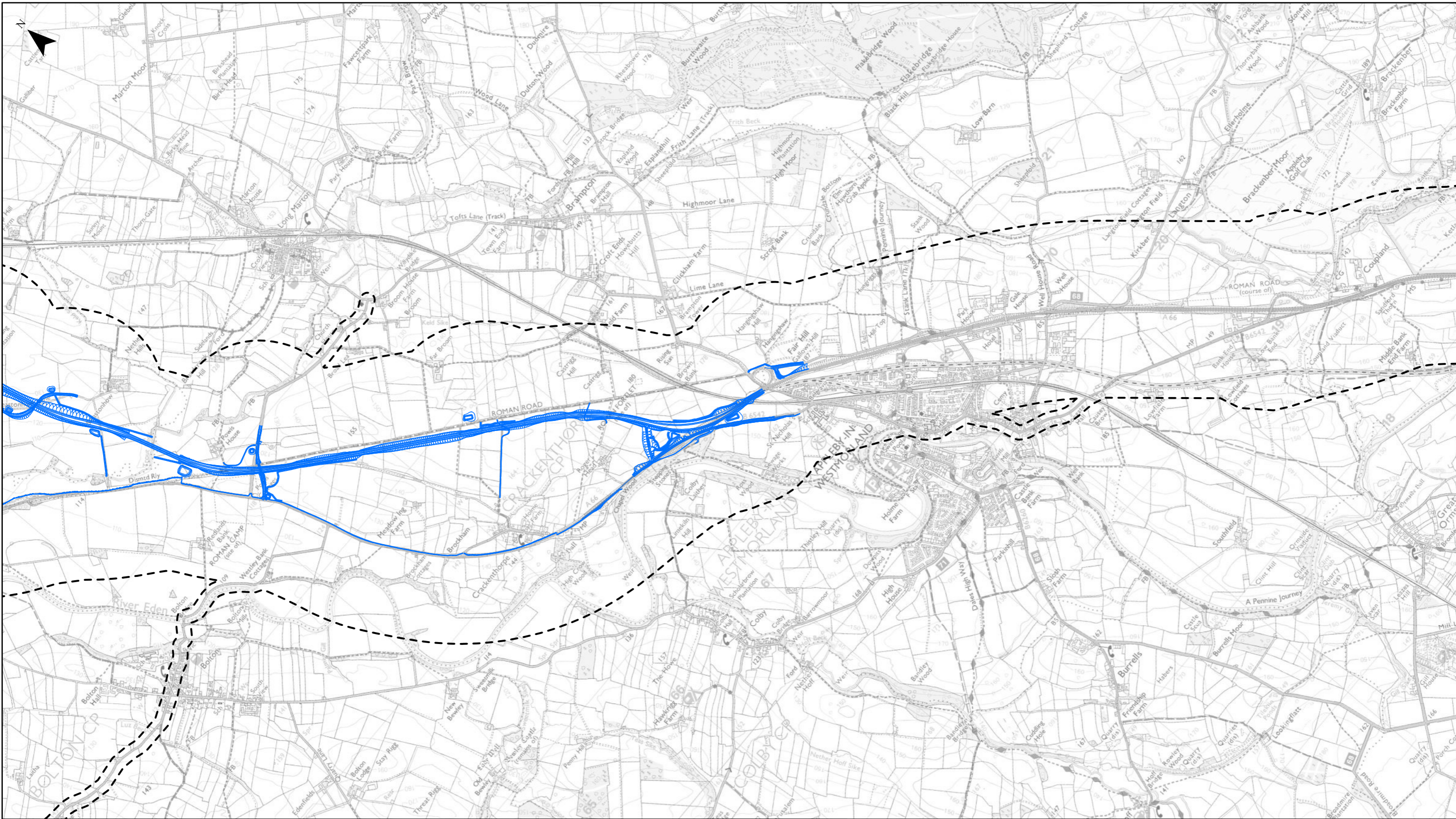


P01	First Issue				
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

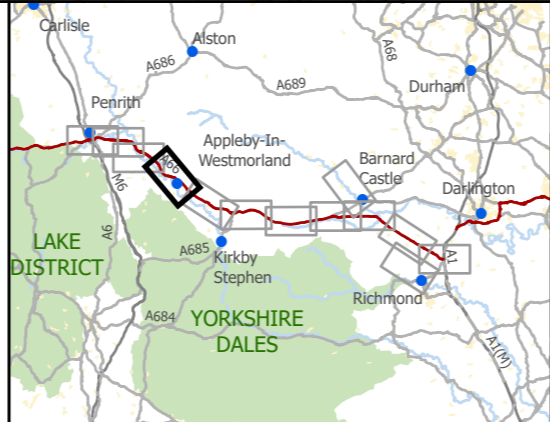
Kilometres  
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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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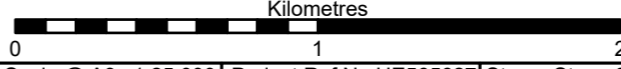
Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.1			
EPRA Study Area			
Sheet 3 of 13			
Temple Sowerby to Appleyby			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- ENV
S00		-	MP - LN - 008002
Location		Type	Role
S4		FIT FOR STAGE APPROVAL	Number
			P01



Blue Alternative - Evolved Preferred Route Announcement (EPRA)  
 Study Area



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
Revision	Created	Checked	Reviewed	Approved	Authorised
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21



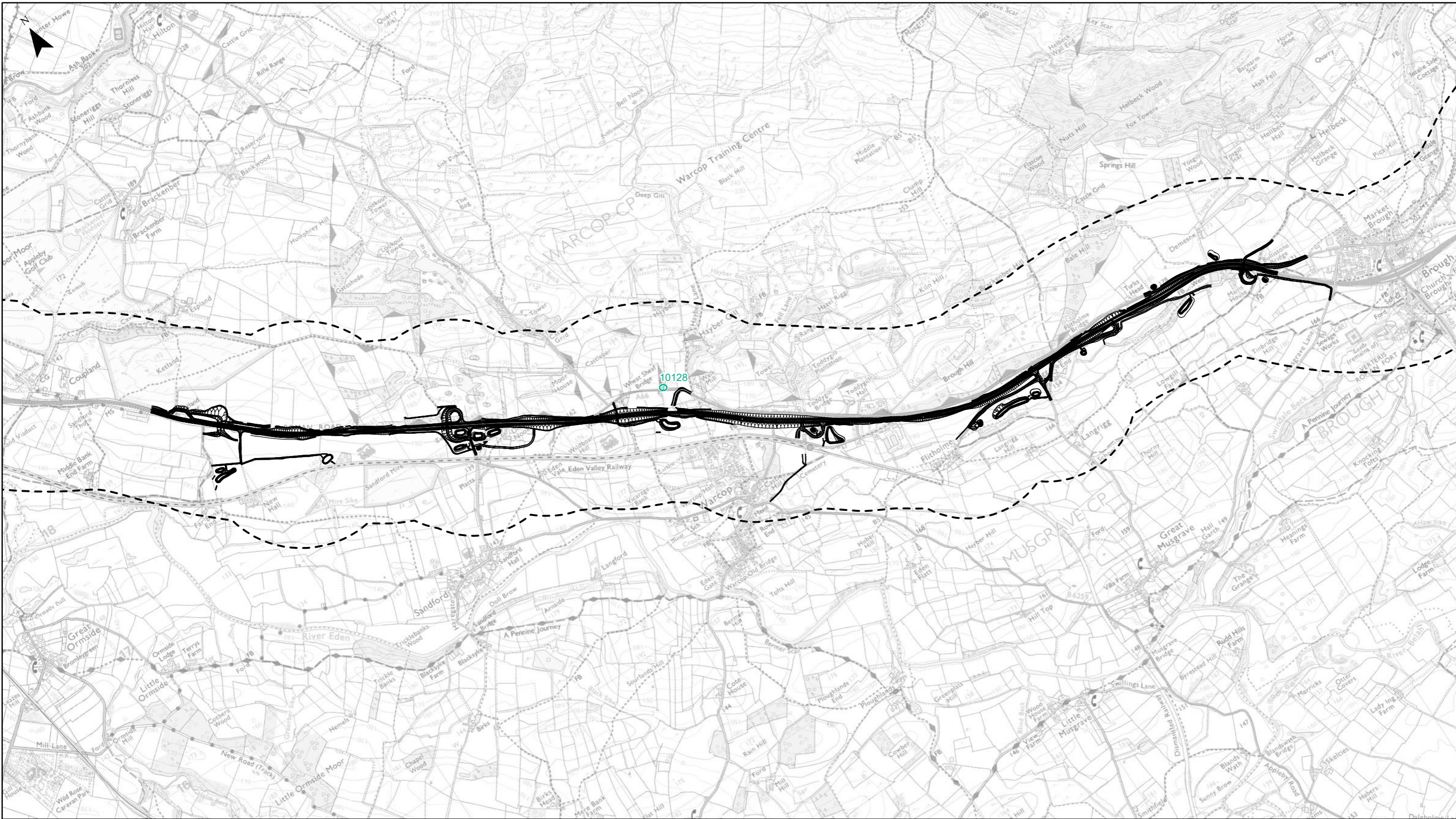
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Project Name  
**A66 Northern Trans-Pennine**

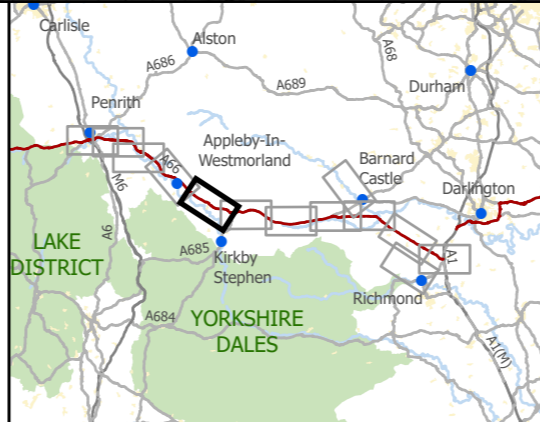
Map Title  
**Figure 12.1**  
**EPRA Study Area**  
 Sheet 4 of 13  
**Temple Sowerby to Appleby**

Map Number	Project	Originator	Volume
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Location	Type	Role	Number
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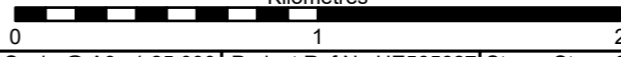
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



Black-Black-Black Alternative - Evolved Version of Preferred Route Announced Spring 2020 (EPRA)  
 Study Area  
 Noise Action Plan Important Area (Road)



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



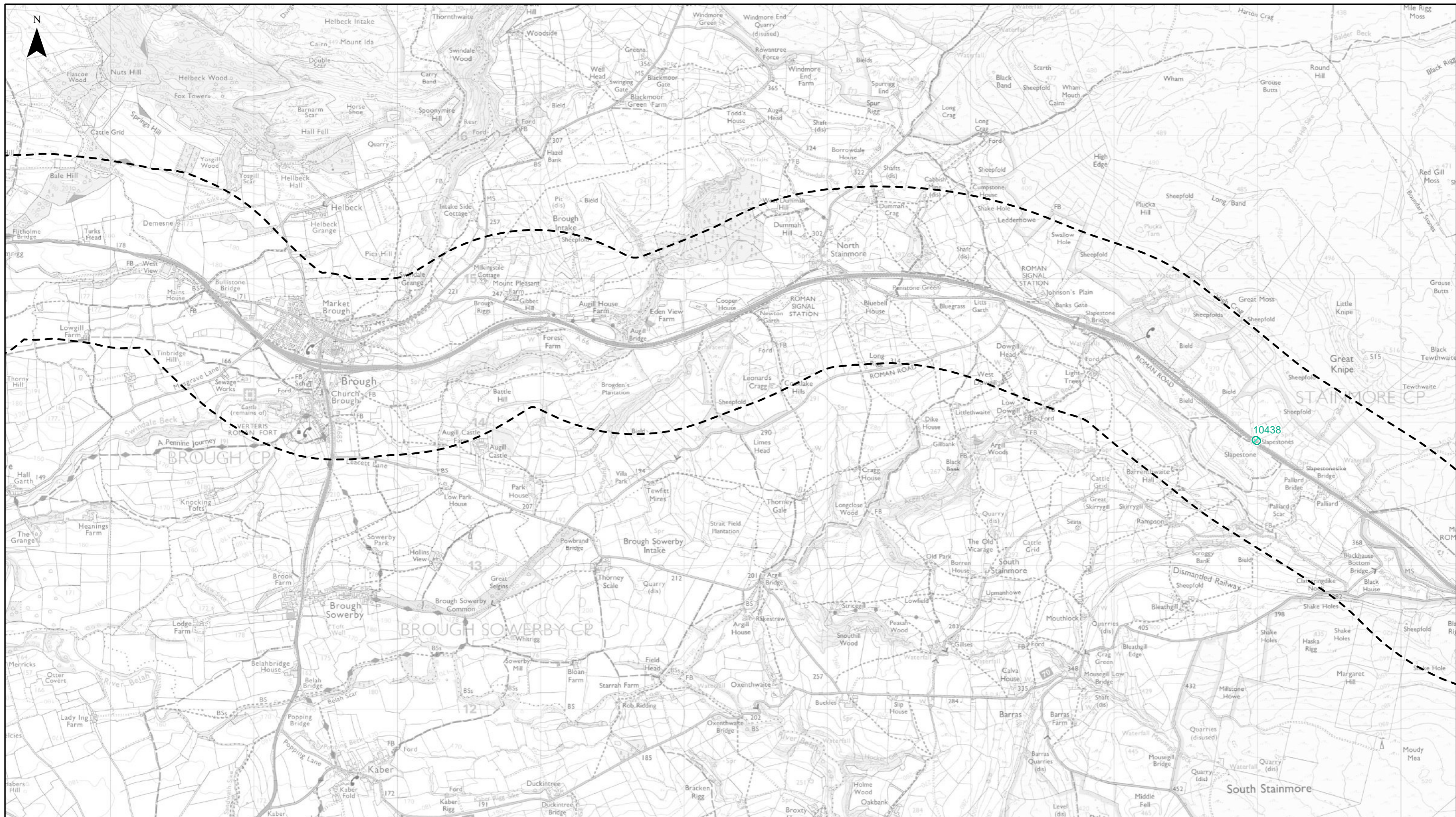
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Project Name  
**A66 Northern Trans-Pennine**

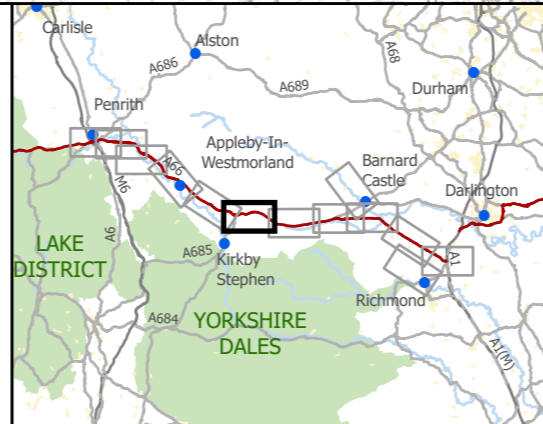
Map Title  
**Figure 12.1**  
**EPRA Study Area**  
**Sheet 5 of 13**  
**Appleby to Brough**

Map Number	Project	Originator	Volume
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S00	-	MP - LN	-
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



Study Area  
 Noise Action Plan Important Area (Road)



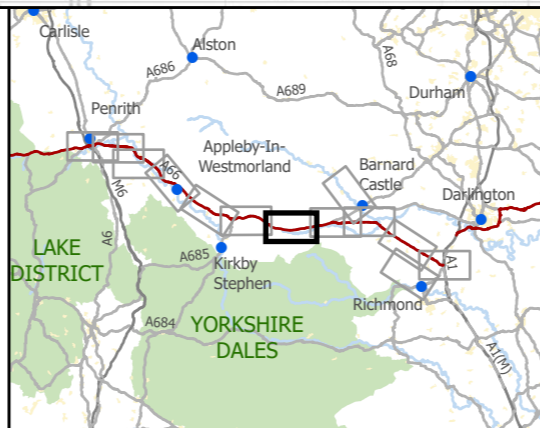
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.1 EPRA Study Area Sheet 6 of 13 Study Area			
Map Number HE565627	Project S00	Originator - AMY	Volume - ENV
Location		Type - MP - LN	Number - 008005
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



Study Area  
 Noise Action Plan Important Area (Road)



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
Revision	Created	Checked	Reviewed	Approved	Authorised
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21

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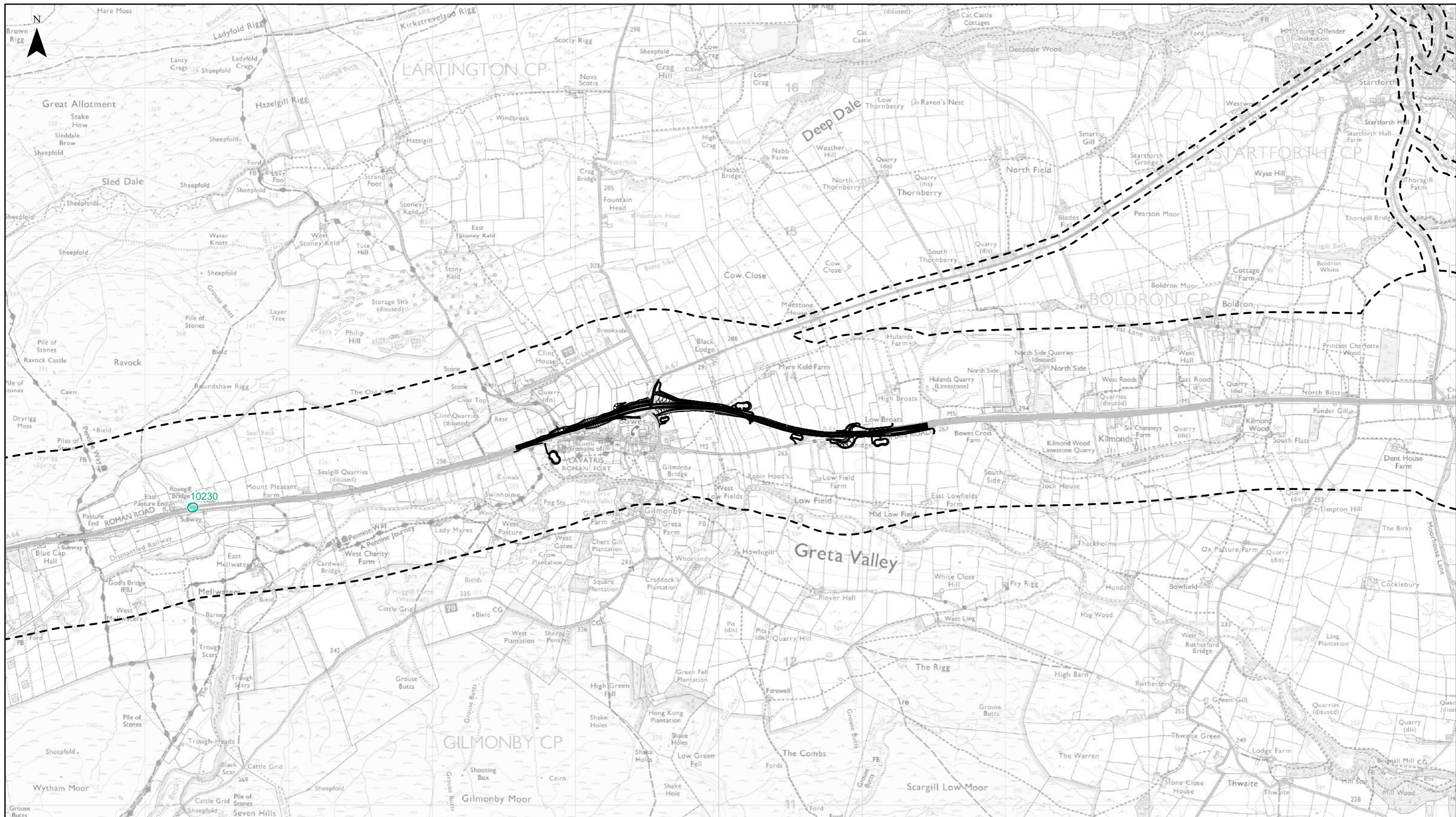
Project Name  
A66 Northern Trans-Pennine

Map Title  
 Figure 12.1  
 EPRA Study Area  
 Sheet 7 of 13  
 Study Area

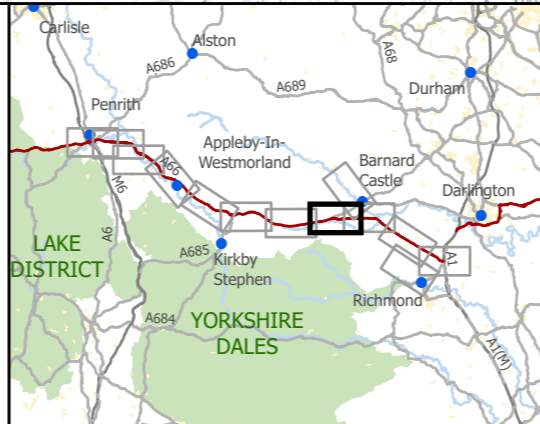
Map Number	Project	Originator	Volume
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S00	-	MP	LN
Location	Type	Role	Number

Suitability S4 | Suitability Description FIT FOR STAGE APPROVAL | Revision P01

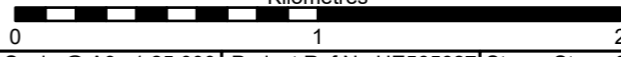




Scheme Alignment - Evolved Preferred Route Announcement (EPRA)  
 Study Area  
 Noise Action Plan Important Area (Road)



P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	



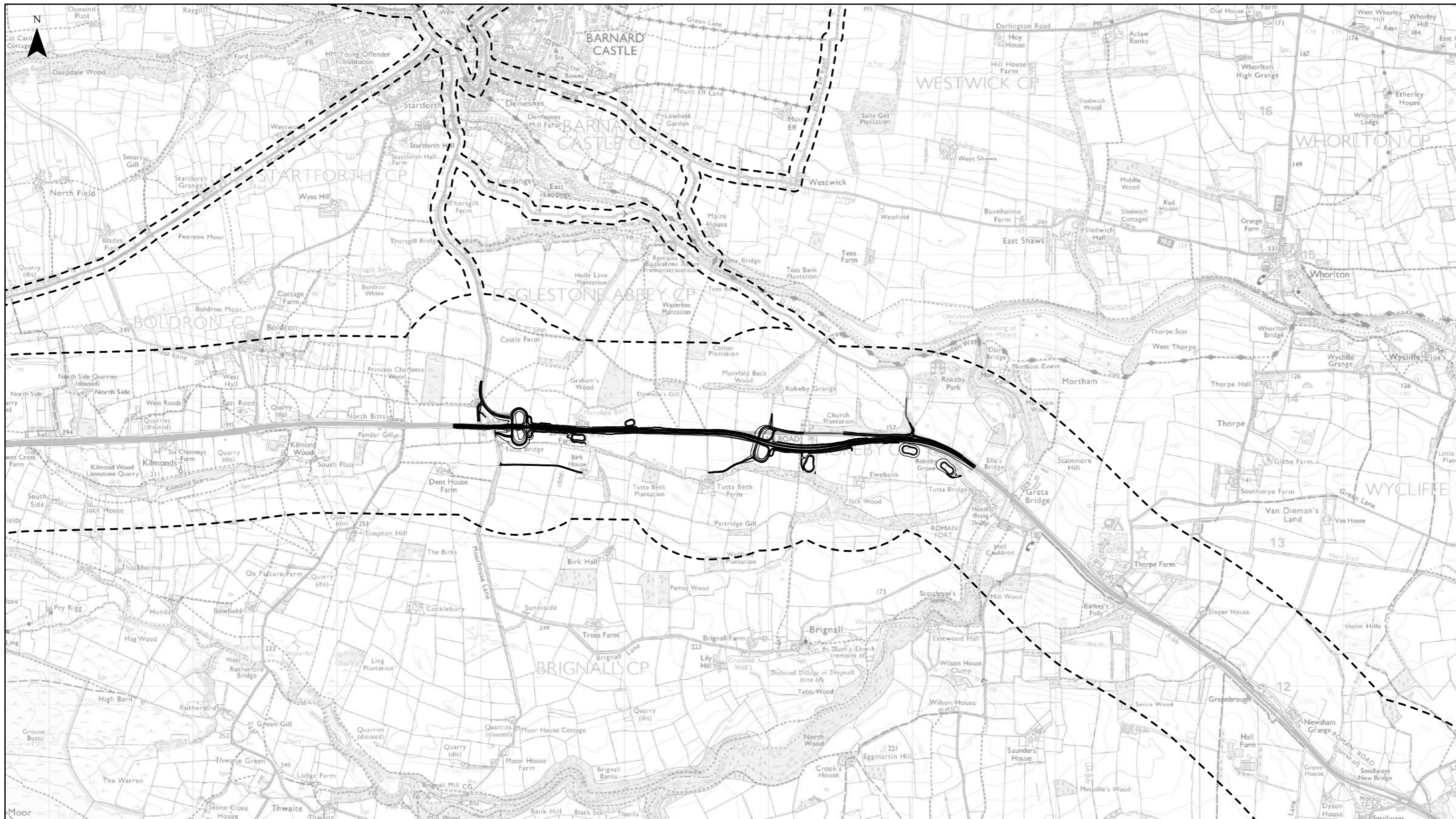
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Project Name  
**A66 Northern Trans-Pennine**

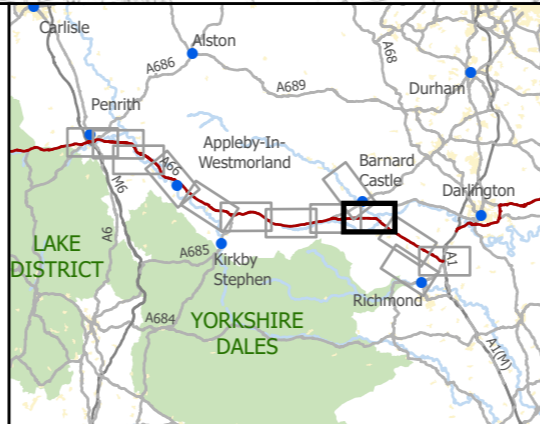
Map Title  
**Figure 12.1**  
**EPRA Study Area**  
 Sheet 8 of 13  
**Bowes Bypass**

Map Number	Project	Originator	Volume
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S00	-	MP	- LN - 008007
Location		Type	Role

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



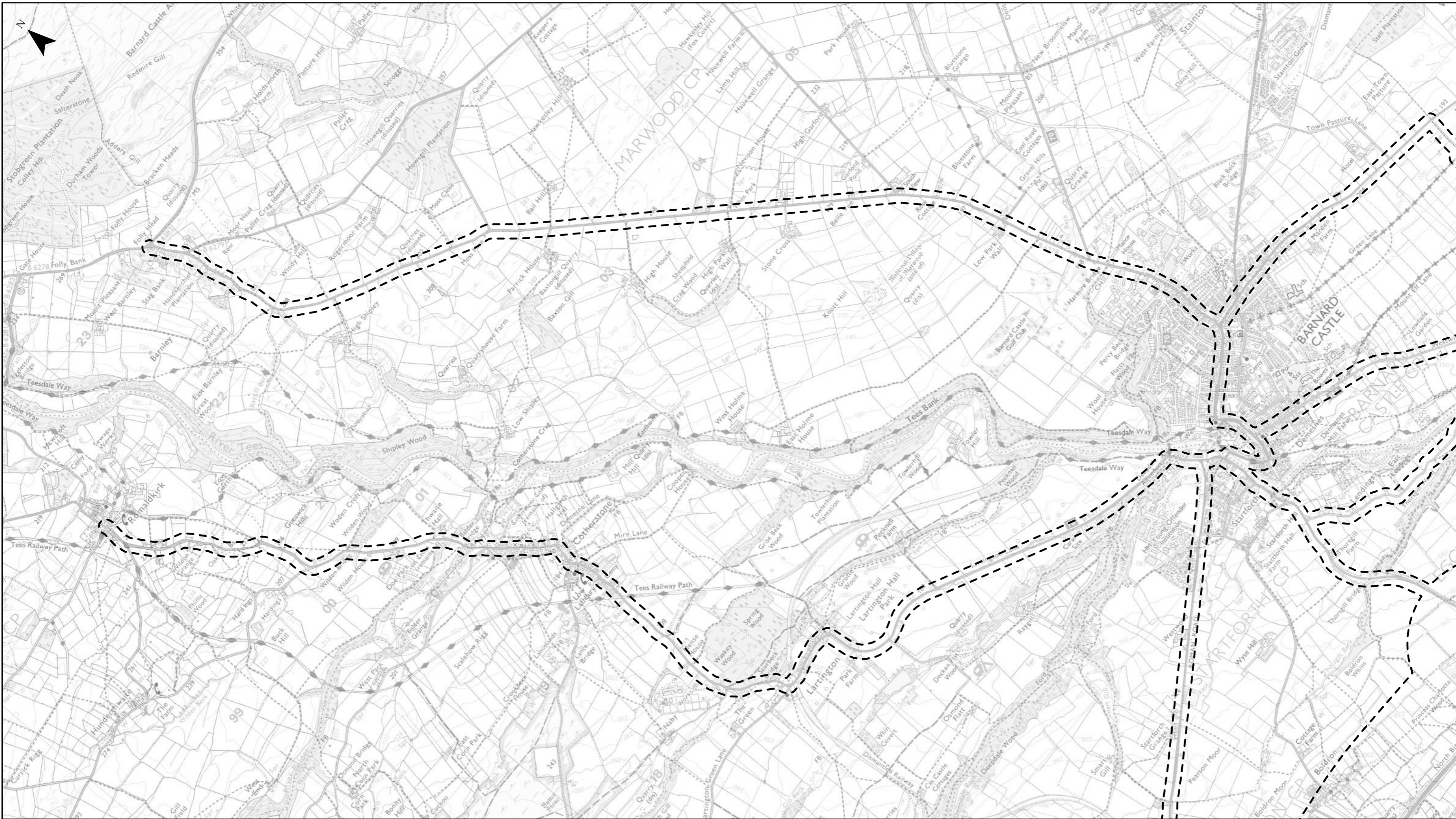
Black-Black Alternative - Evolved Version of Preferred Route Announced Spring 2020 (EPRA)  
 Study Area



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.1</b>			
EPRA Study Area			
Sheet 9 of 13			
<b>Cross Lanes to Rokeby</b>			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



Study Area




P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

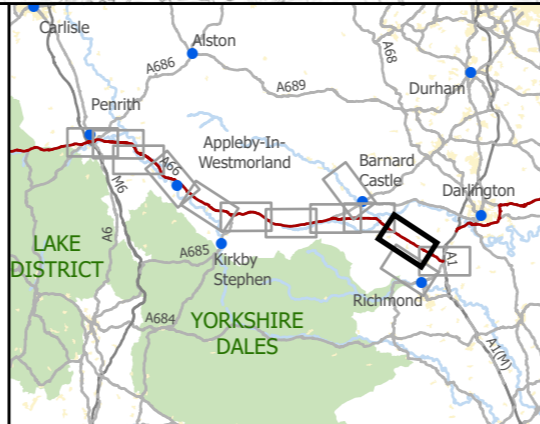


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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.1</b>			
EPRA Study Area			
Sheet 10 of 13			
Study Area			
Map Number	Project	Originator	Volume
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S00	-	MP - LN	-
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



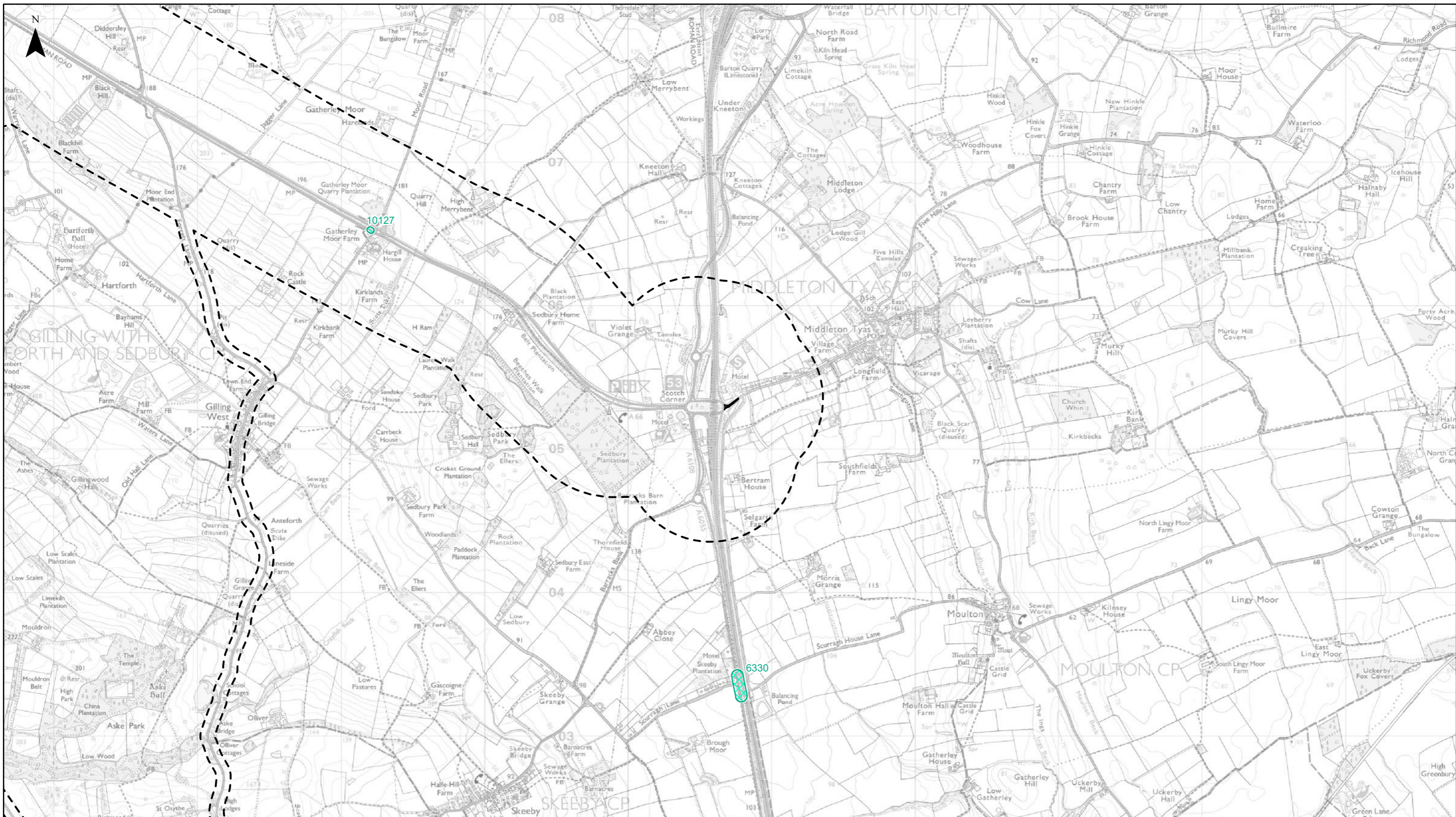
Scheme Alignment - Evolved Preferred Route Announcement (EPRA)  
 Study Area  
 Noise Action Plan Important Area (Road)



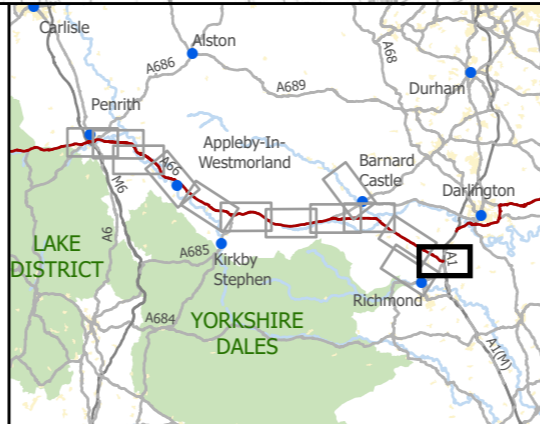
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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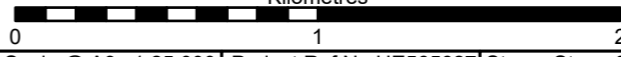
<b>Project Name</b> A66 Northern Trans-Pennine			
<b>Map Title</b> Figure 12.1			
<b>EPRA Study Area</b>			
<b>Sheet 11 of 13</b>			
<b>Stephen Bank to Carkin Moor</b>			
<b>Map Number</b>	<b>Project</b>	<b>Originator</b>	<b>Volume</b>
HE565627	-	AMY	-
S00	-	MP - LN	-
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



Scheme Alignment - Evolved Preferred Route Announcement (EPRA)  
 Study Area  
 Noise Action Plan Important Area (Road)



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



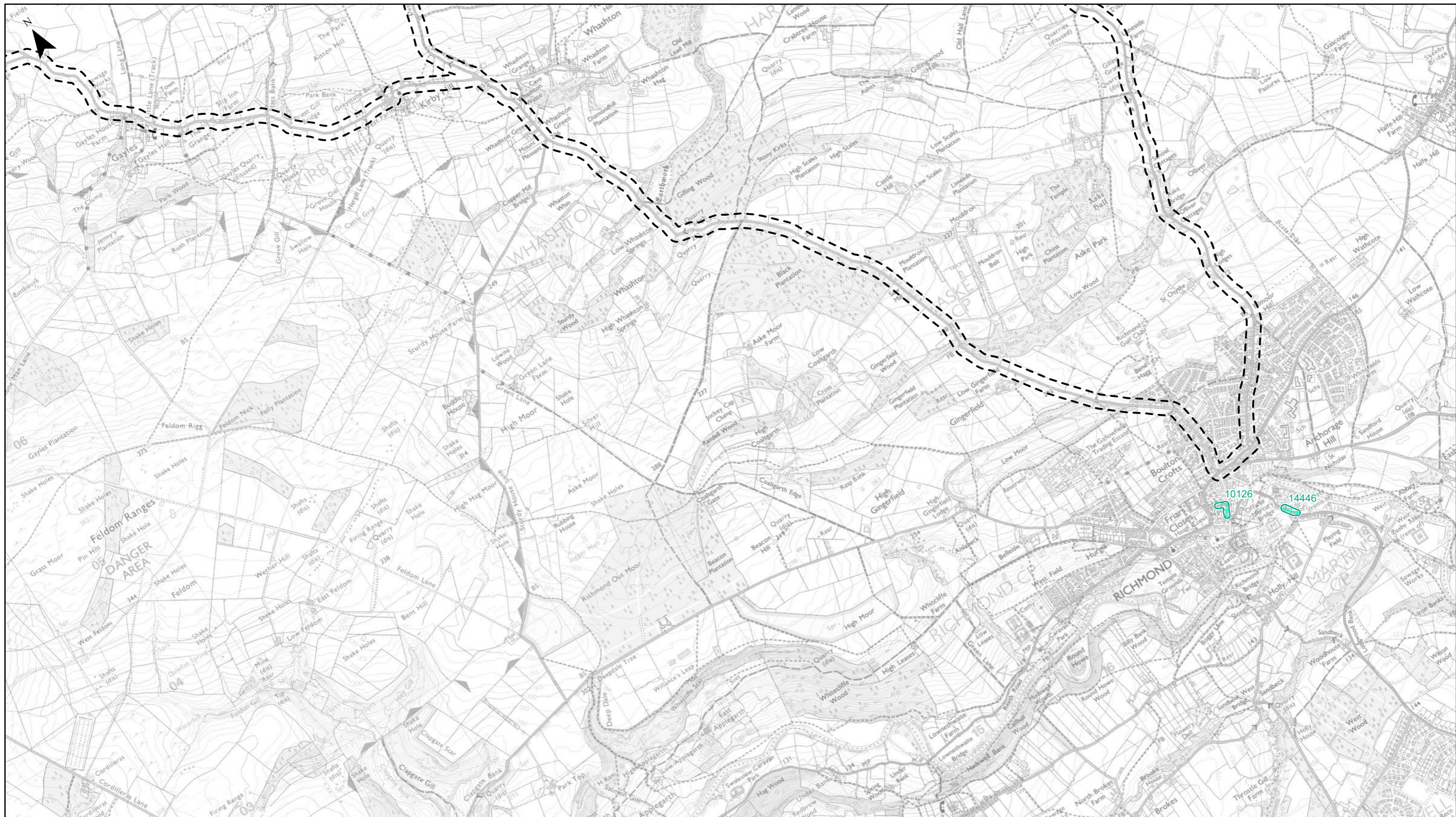
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Project Name  
**A66 Northern Trans-Pennine**

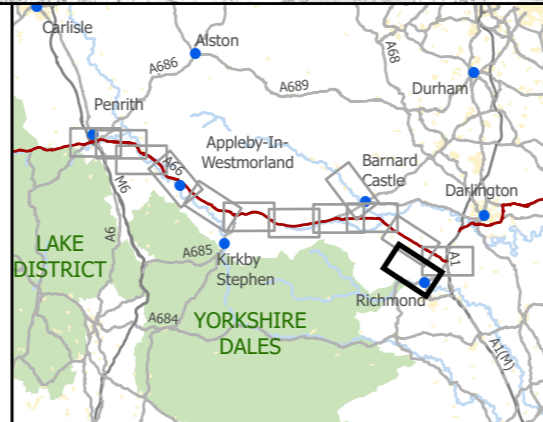
Map Title  
**Figure 12.1**  
**EPRA Study Area**  
 Sheet 12 of 13  
**A1(M) Junction 53 Scotch Corner**

Map Number	Project	Originator	Volume
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S00	-	MP	LN - 008011
	Location	Type	Role   Number

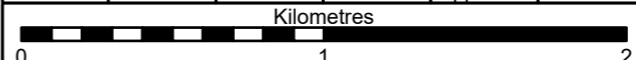
Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



Study Area  
 Noise Action Plan Important Area (Road)



P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	



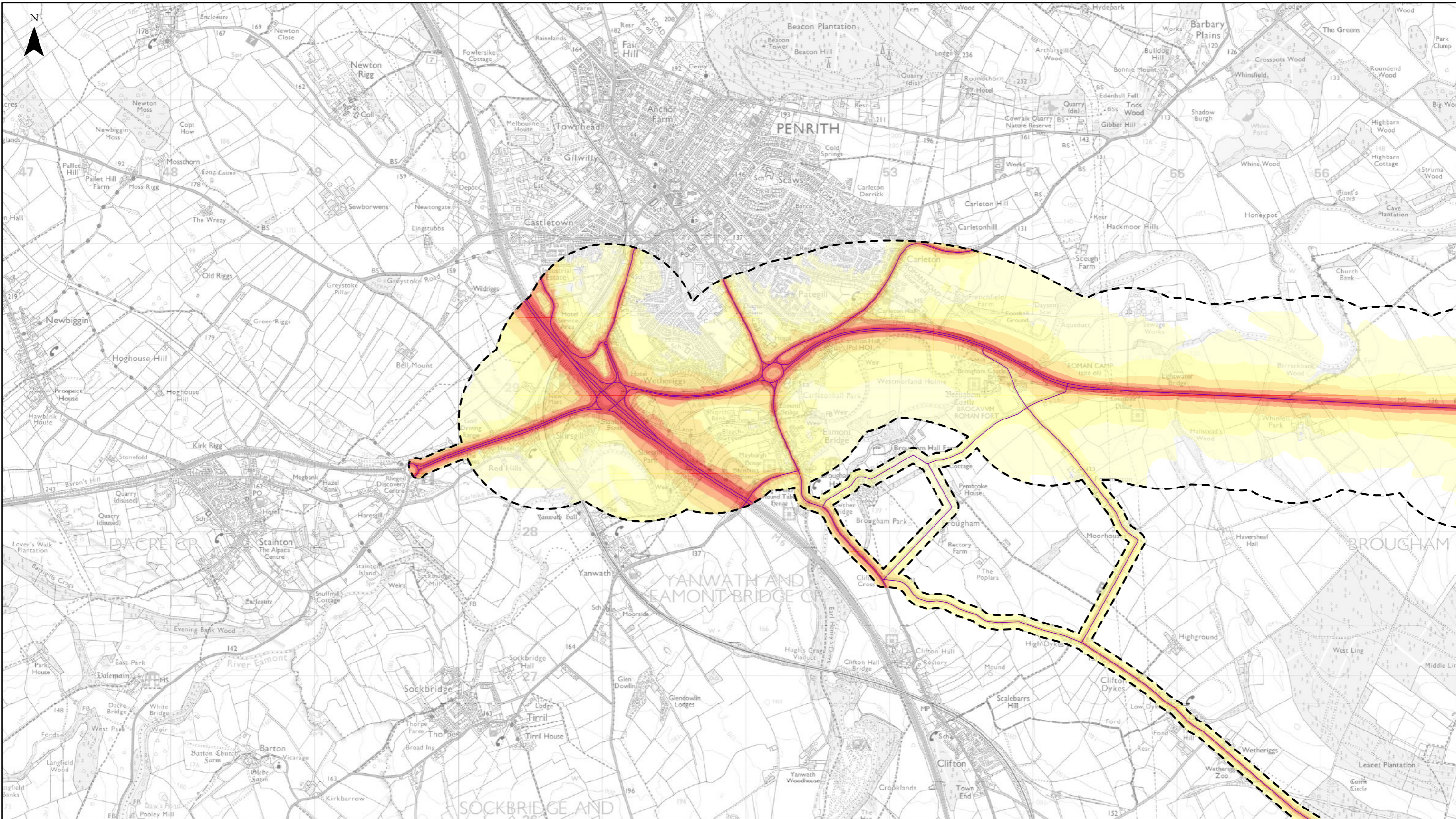
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.1**  
**EPRA Study Area**  
 Sheet 13 of 13  
**Study Area**

Map Number	Project	Originator	Volume
HE565627	-	AMY	- ENV
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Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01

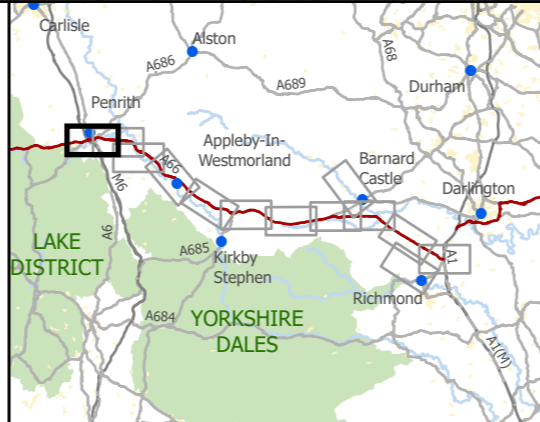


**Study Area**

— Modelled Road Network - Do-Minimum Opening Year 2031

**Noise Level From Roads in Study Area - Do-Minimum Opening Year 2031**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



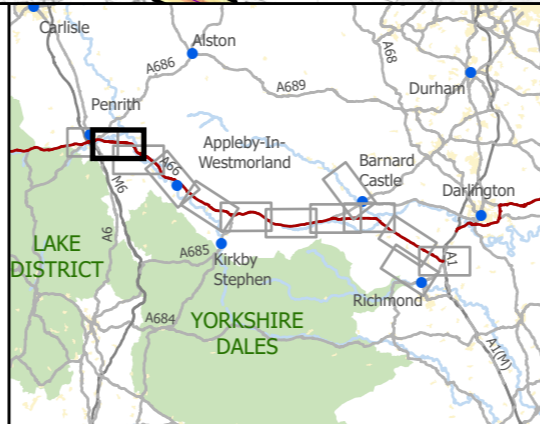
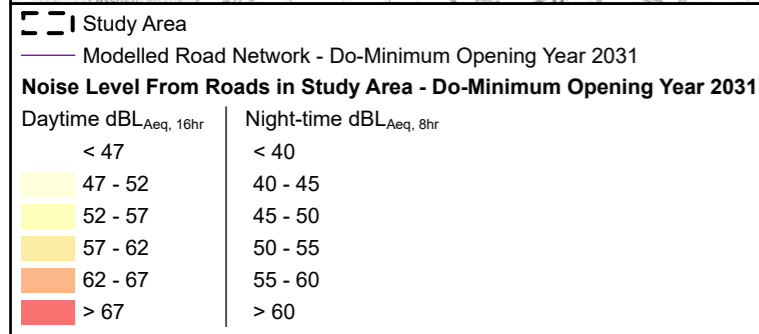
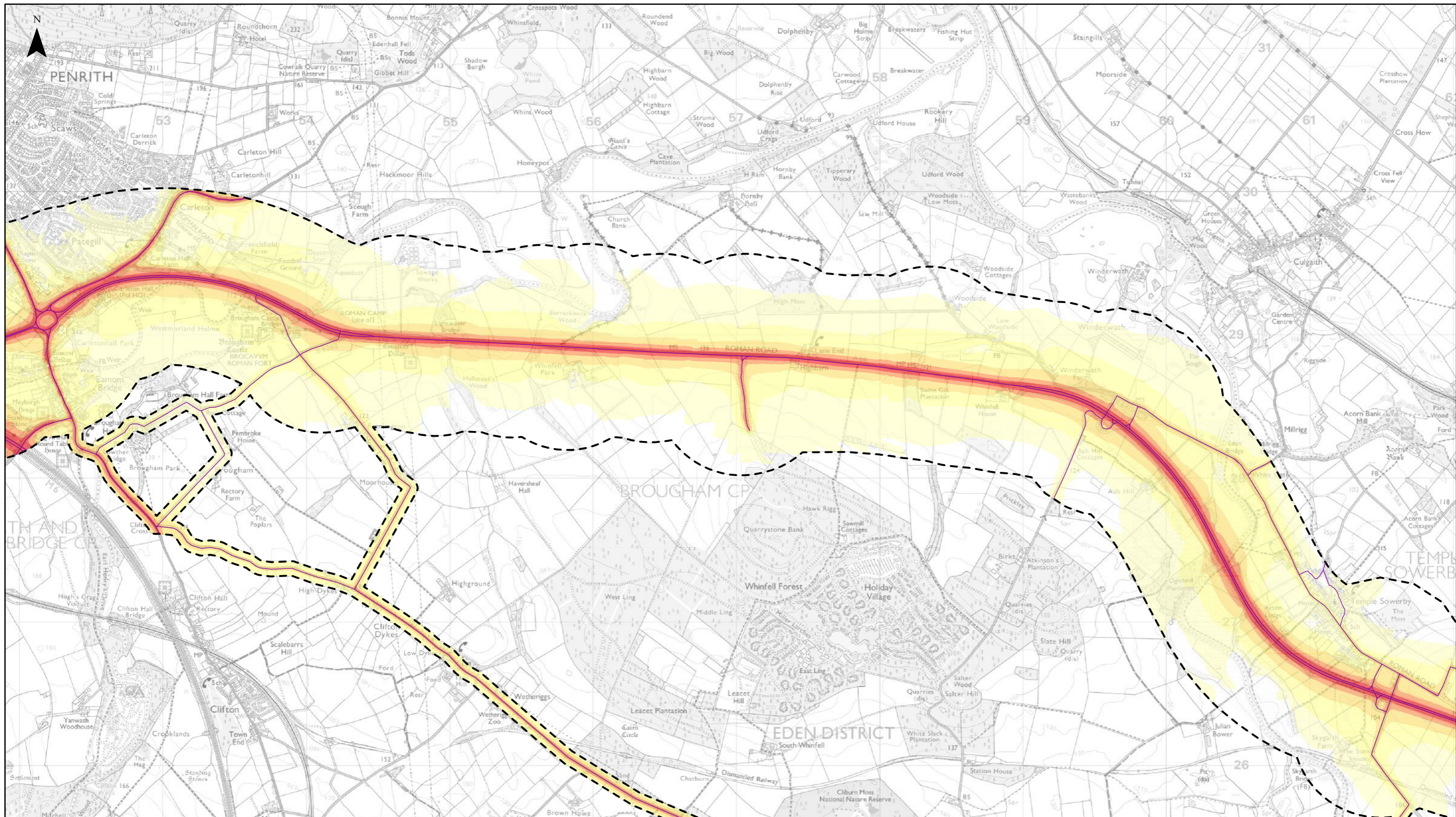
P01	First Issue				
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

0 1 2

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
EPRA DMOY			
Sheet 1 of 13			
M6 Junction 40 to Kemplay Bank			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008013
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

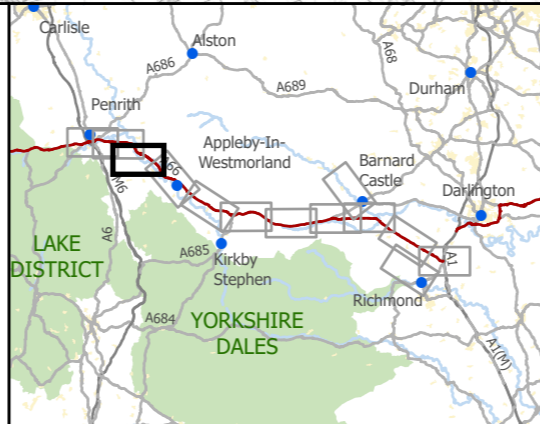
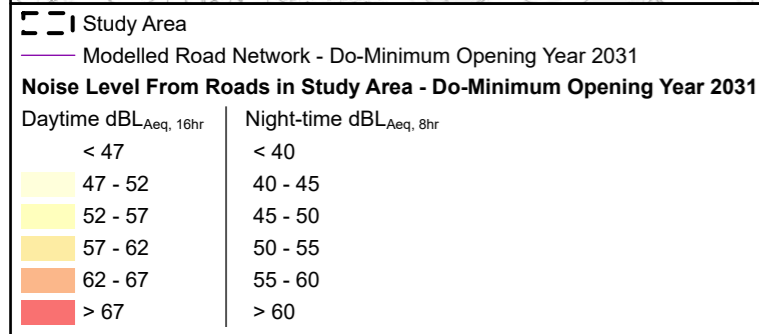
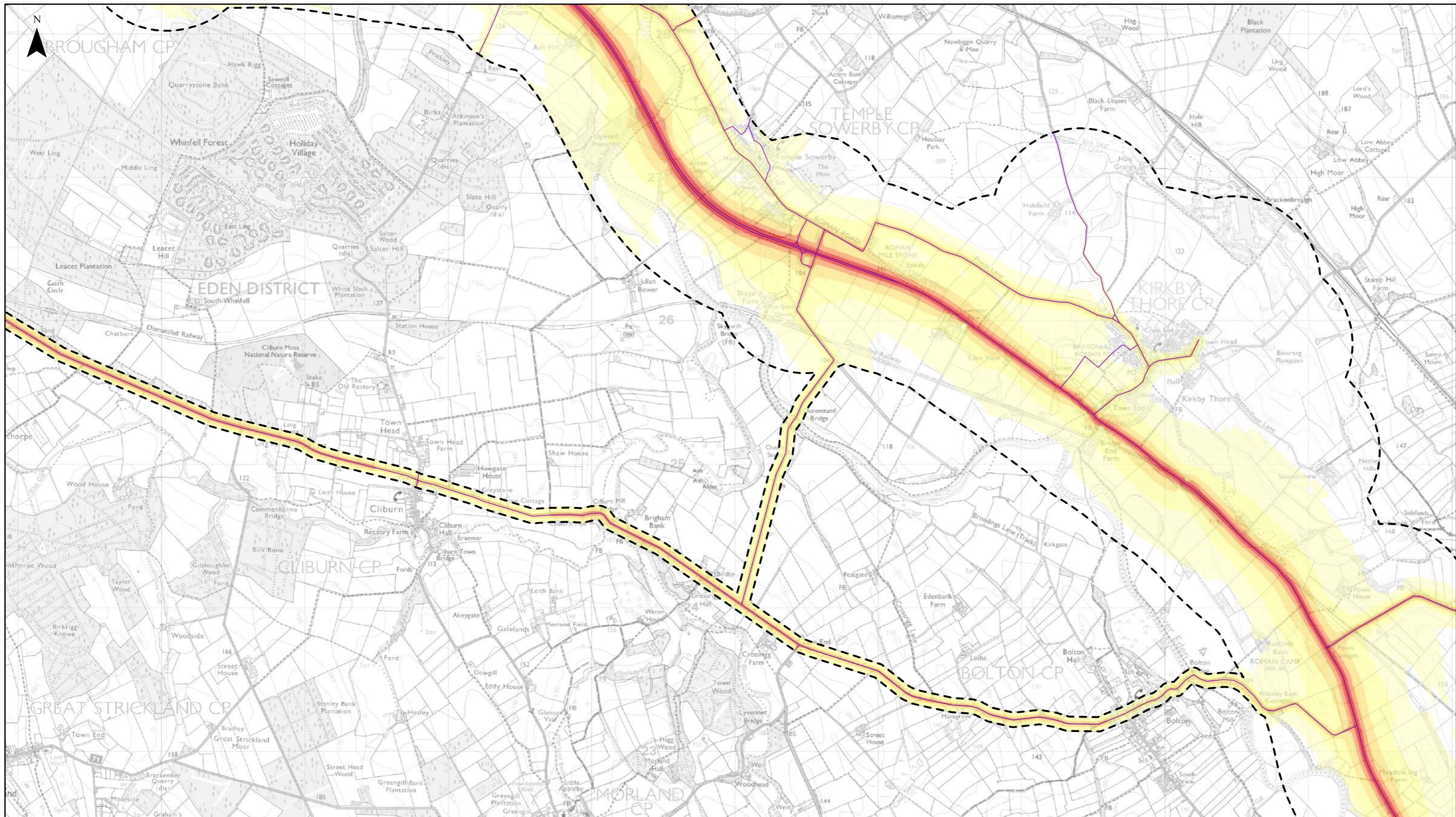
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
EPRA DMOY			
Sheet 2 of 13			
Penrith to Temple Sowerby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008014
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	





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P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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Project Name  
**A66 Northern Trans-Pennine**

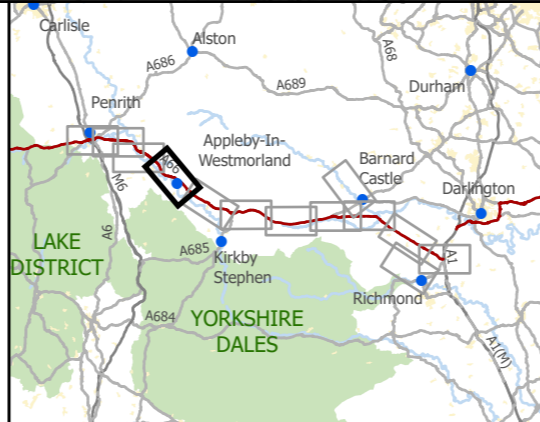
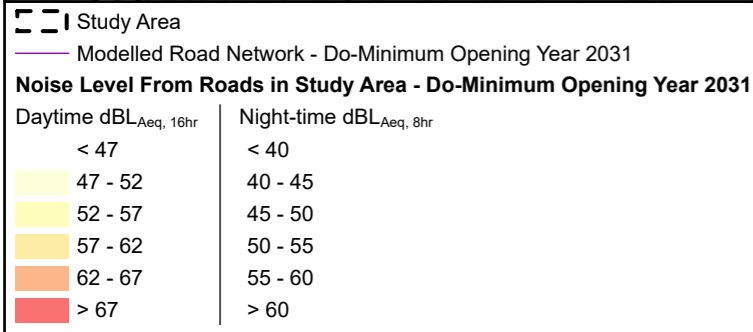
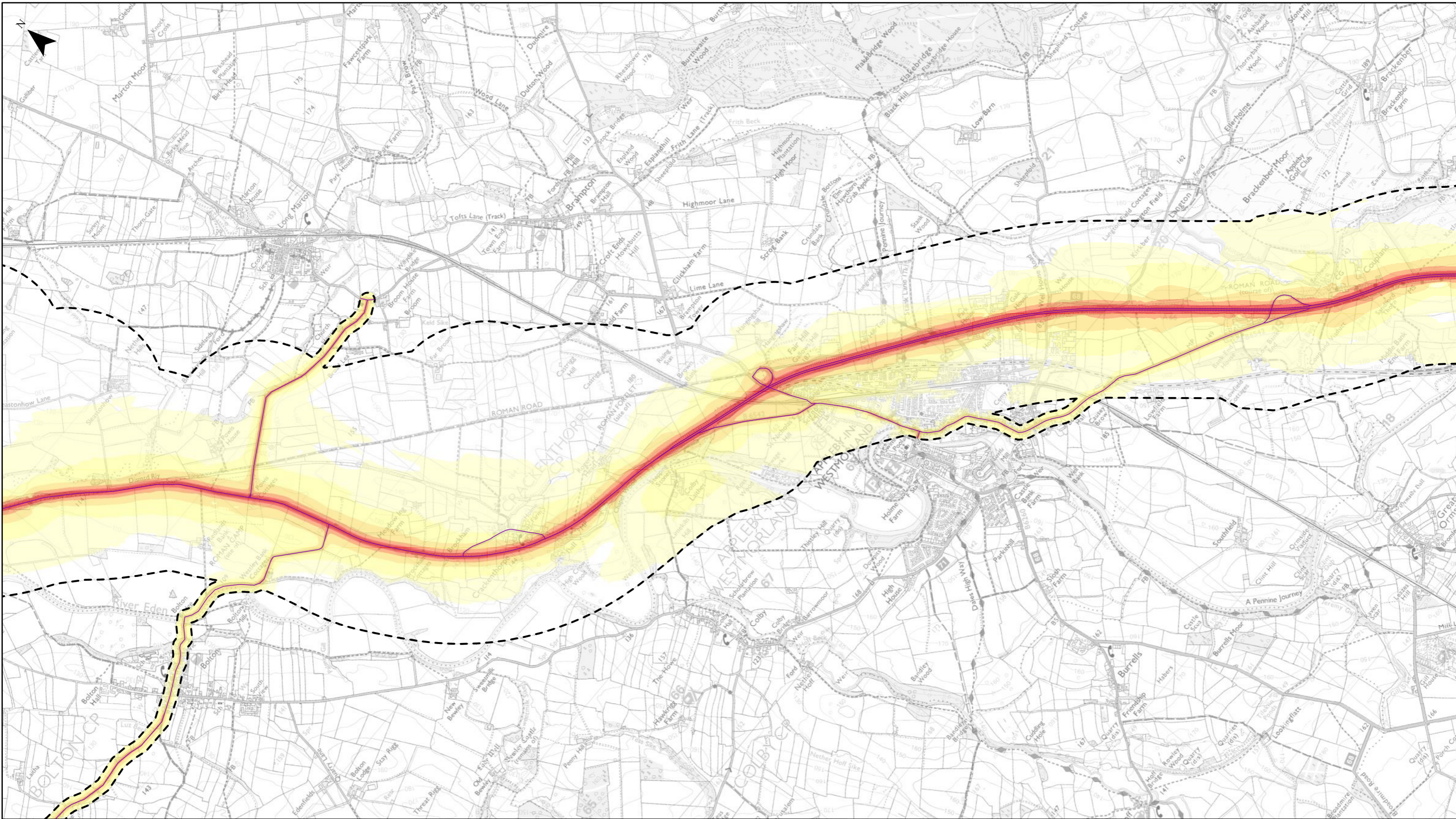
Map Title  
**Figure 12.2**

**EPRA DMOY**

Sheet 3 of 13

**Temple Sowerby to Appleby**

Map Number	Project	Originator	Volume
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Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

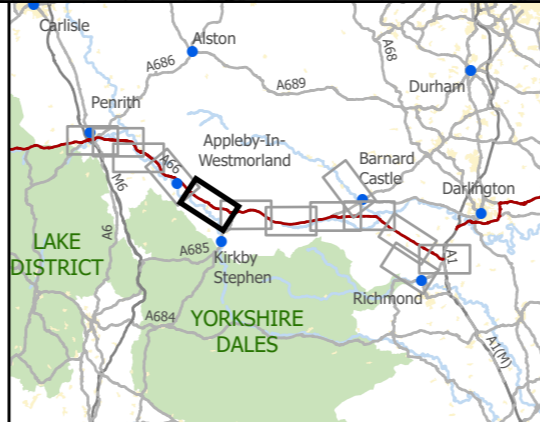
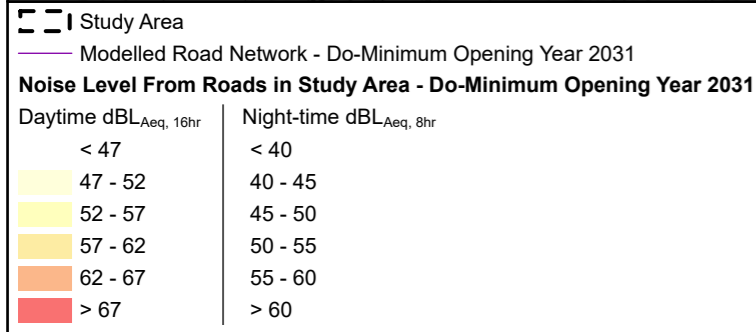
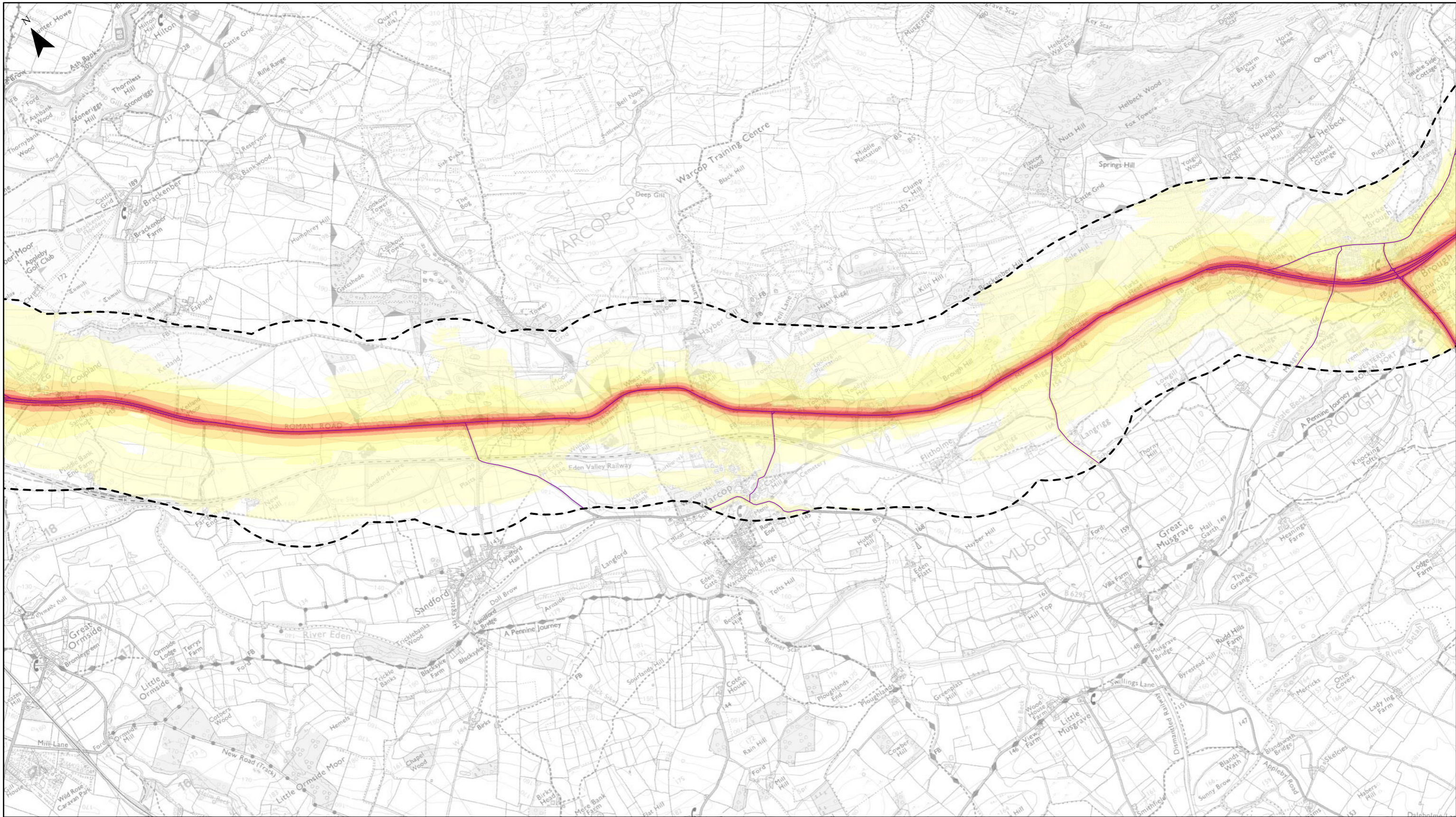


P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
EPRA DMOY			
Sheet 4 of 13			
Temple Sowerby to Appleyby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008016
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	

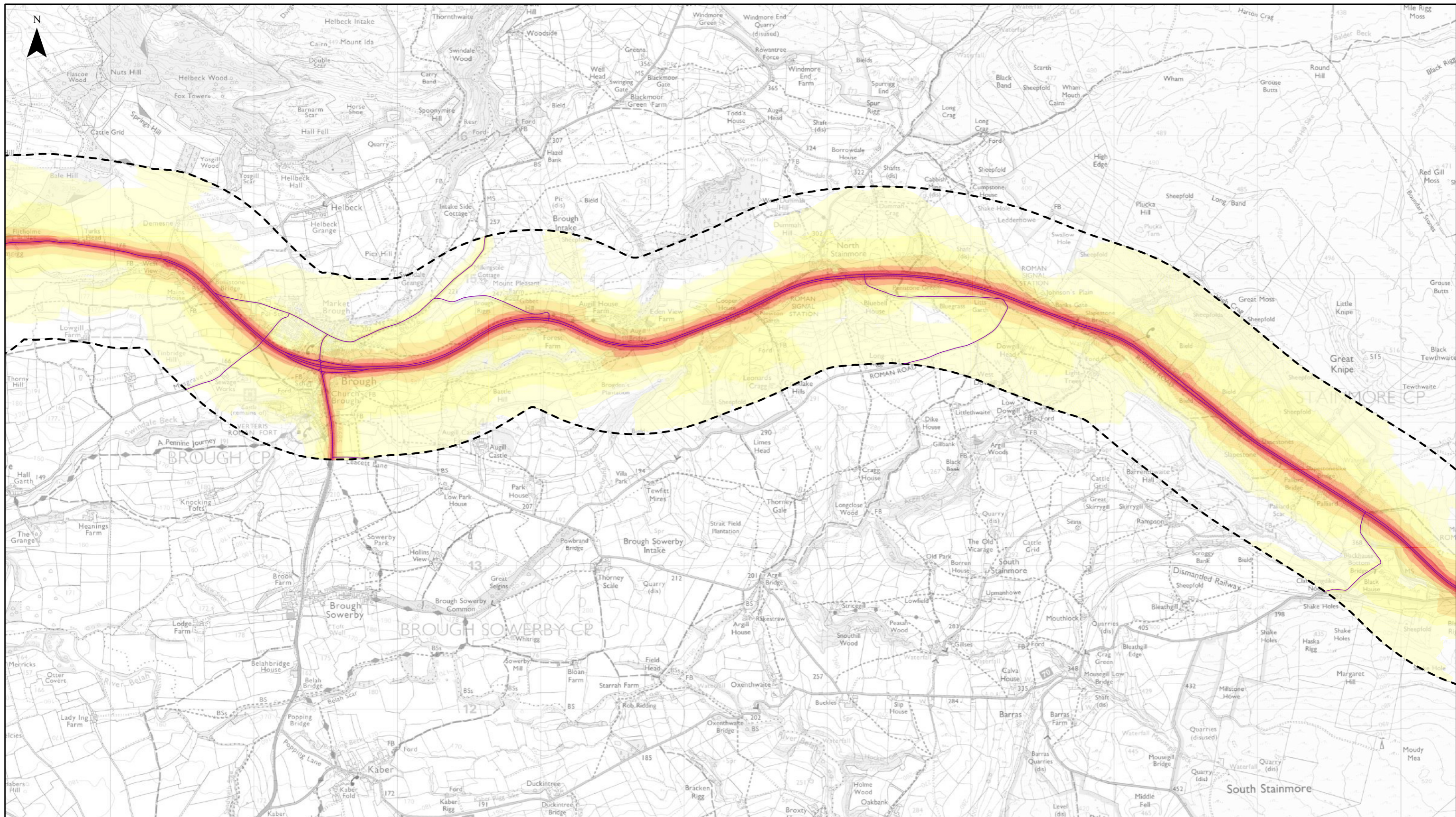


P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
EPRA DMOY			
Sheet 5 of 13			
Appleby to Brough			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
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Suitability	Suitability Description	Revision	
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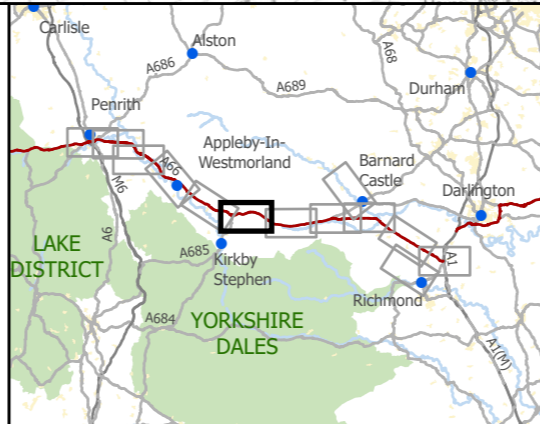


**Study Area**

Modelled Road Network - Do-Minimum Opening Year 2031

**Noise Level From Roads in Study Area - Do-Minimum Opening Year 2031**

Daytime dBL <sub>Aeq,16hr</sub>	Night-time dBL <sub>Aeq,8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



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P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.2**

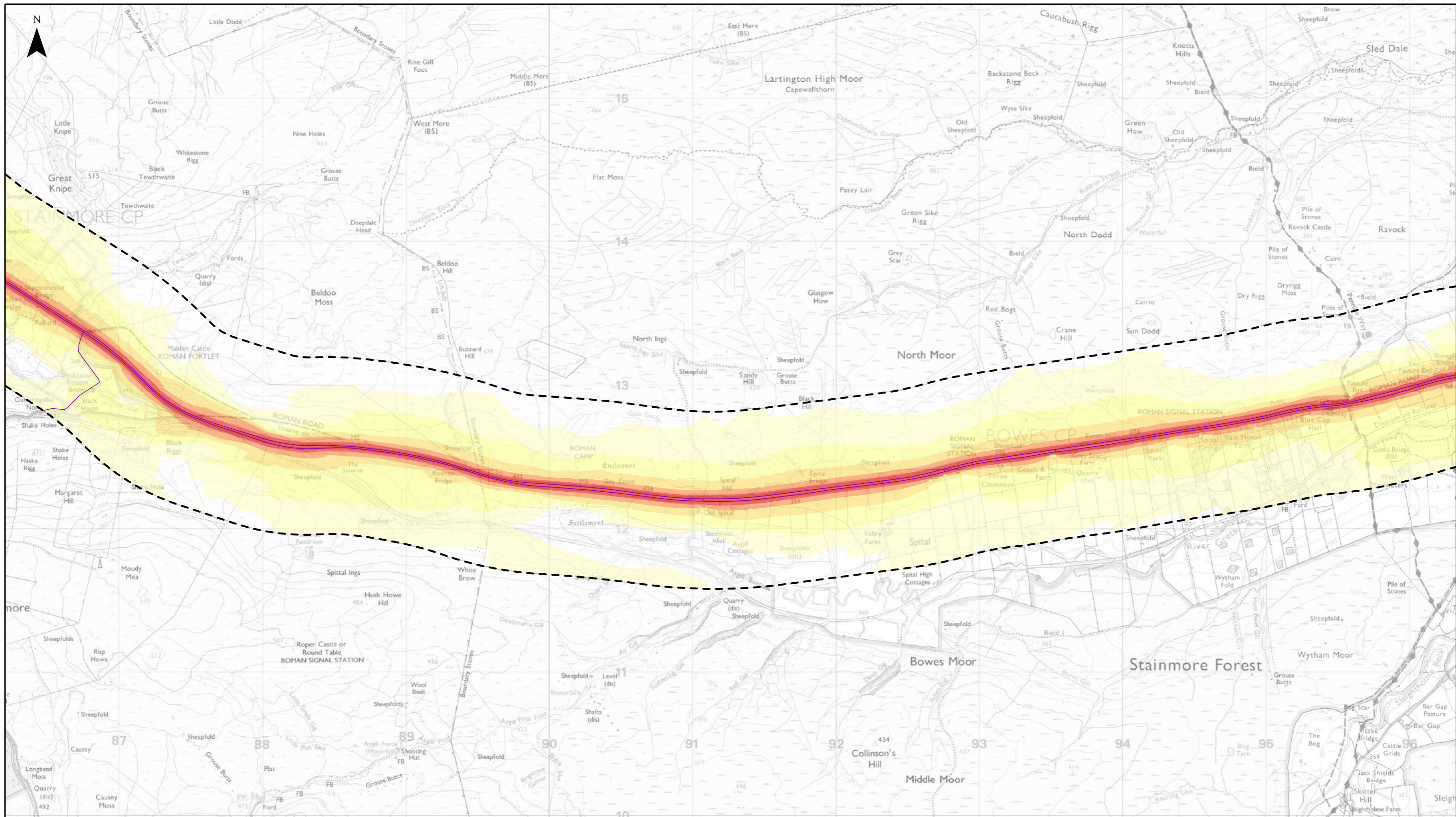
**EPRA DMOY**

Sheet 6 of 13

**Study Area**

Map Number	Project	Originator	Volume
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Suitability	Suitability Description	Revision
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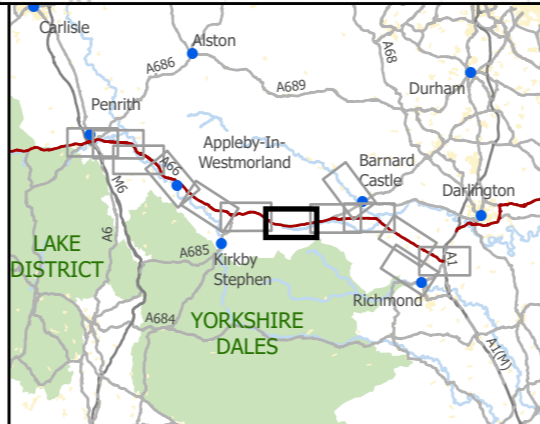


**Study Area**

— Modelled Road Network - Do-Minimum Opening Year 2031

**Noise Level From Roads in Study Area - Do-Minimum Opening Year 2031**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

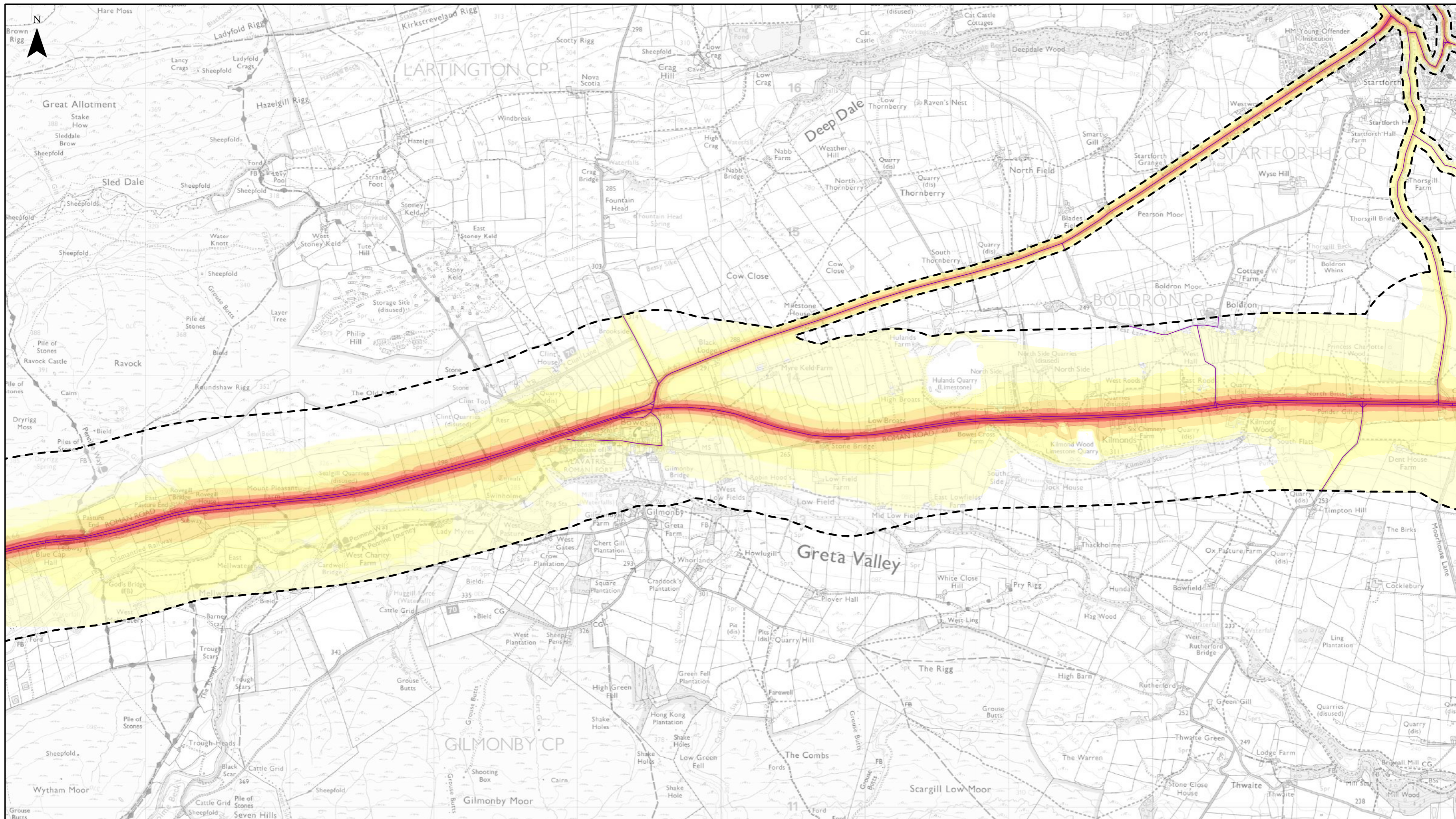
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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
<b>EPRA DMOY</b>			
<b>Sheet 7 of 13</b>			
<b>Study Area</b>			
Map Number	Project	Originator	Volume
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Suitability	Location		Number
S4	FIT FOR STAGE APPROVAL		P01

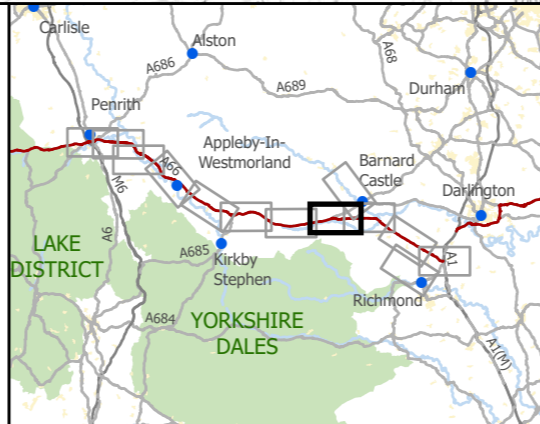


**Study Area**

— Modelled Road Network - Do-Minimum Opening Year 2031

**Noise Level From Roads in Study Area - Do-Minimum Opening Year 2031**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



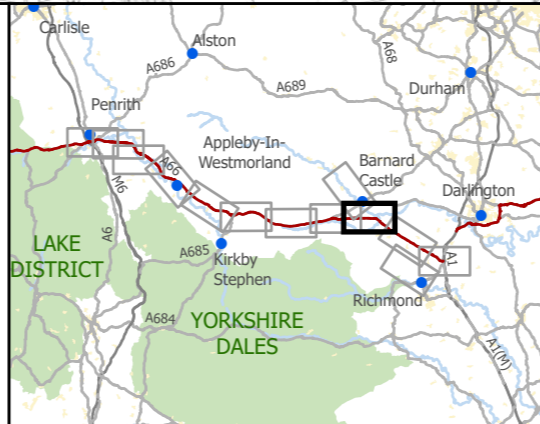
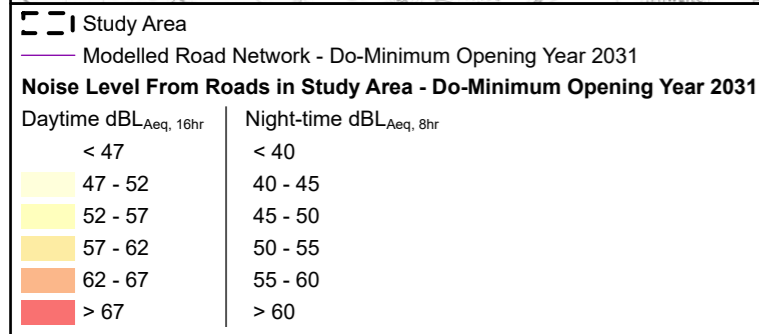
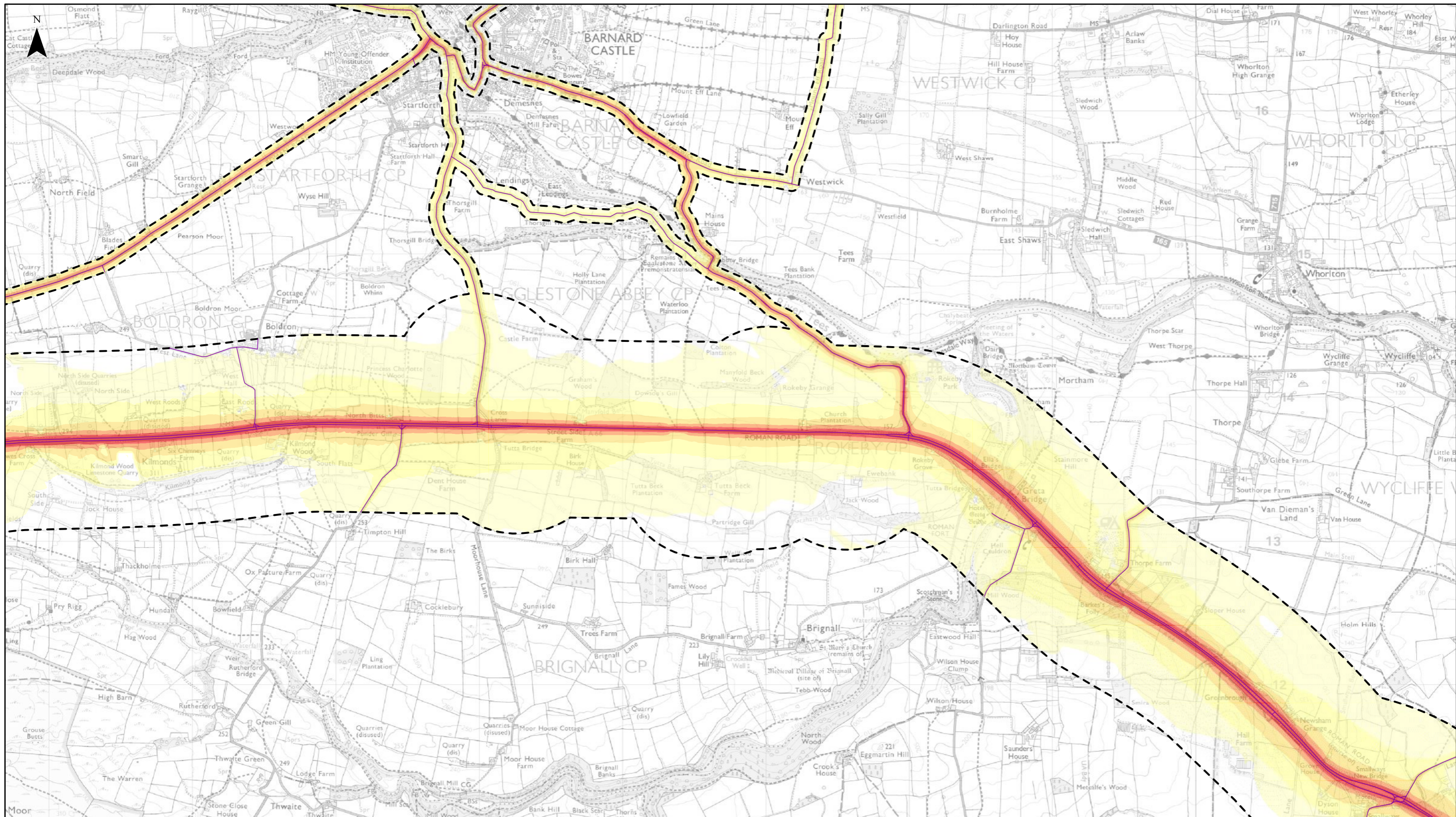
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
EPRA DMOY			
Sheet 8 of 13			
Bowes Bypass			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008020
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



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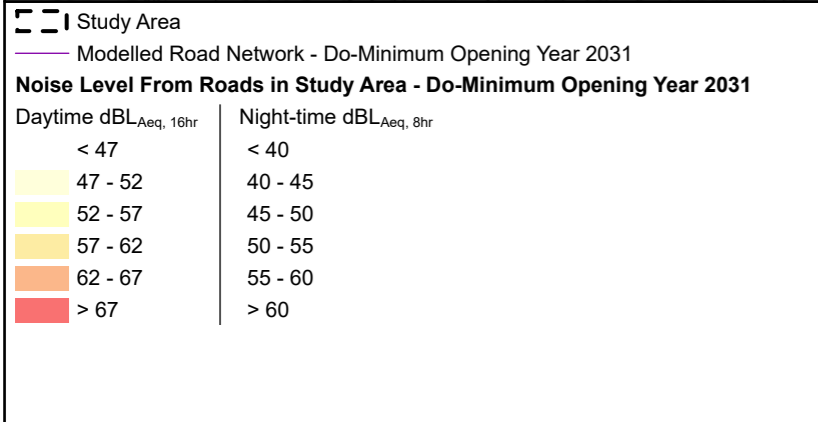
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
EPRA DMOY			
Sheet 9 of 13			
<b>Cross Lanes to Rokeby</b>			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008021
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



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P01	First Issue				
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

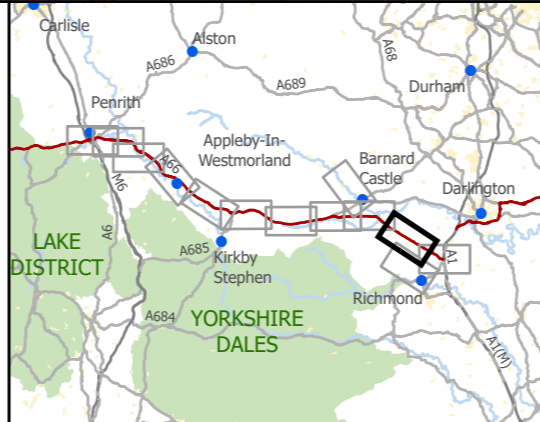
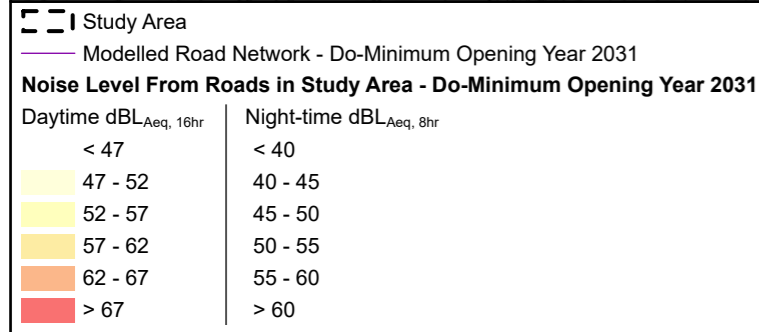
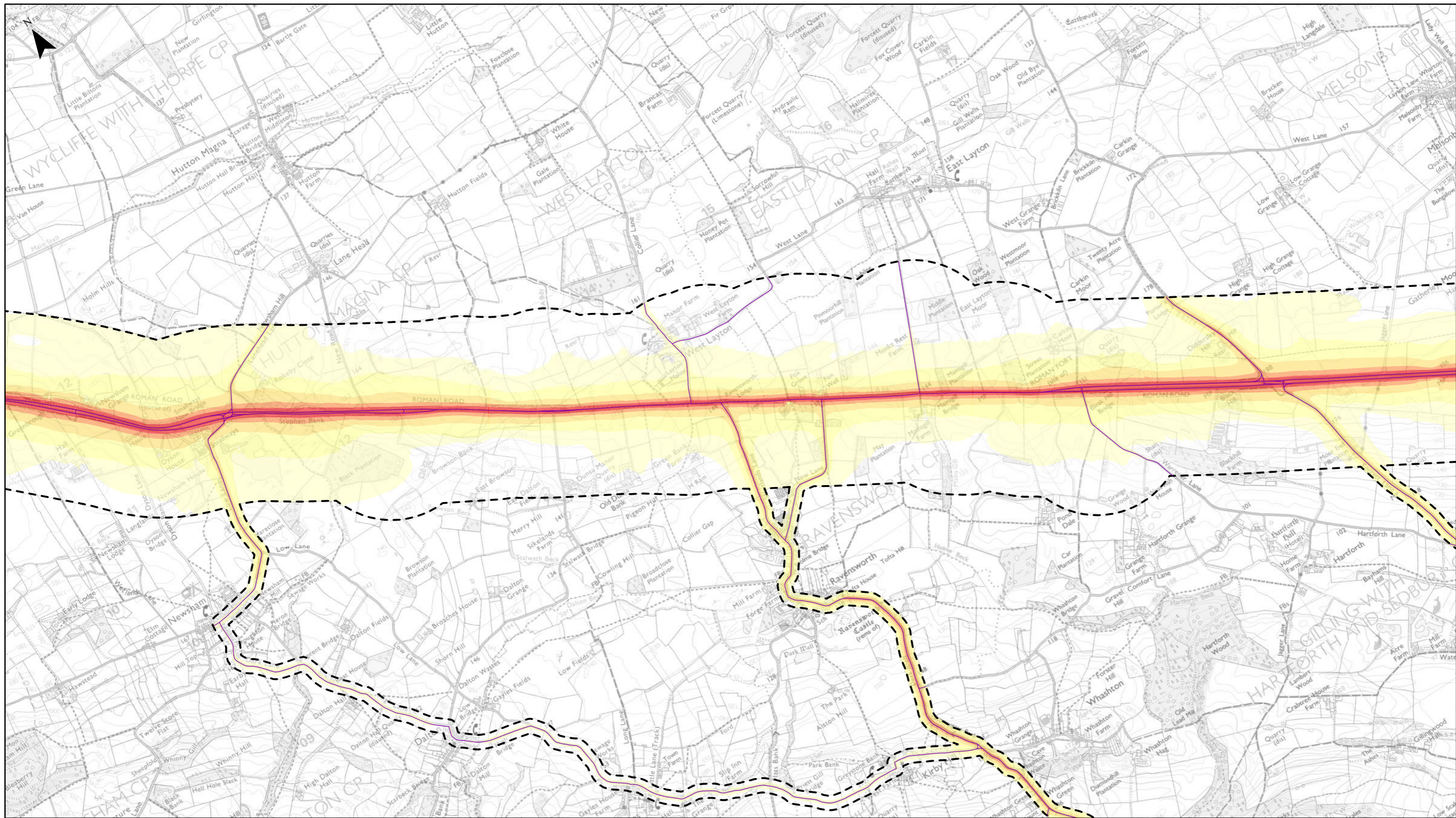
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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2 EPRA DMOY Sheet 10 of 13 Study Area</b>			
Map Number Project	Originator	Volume	
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S00	MP	LN	008022
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



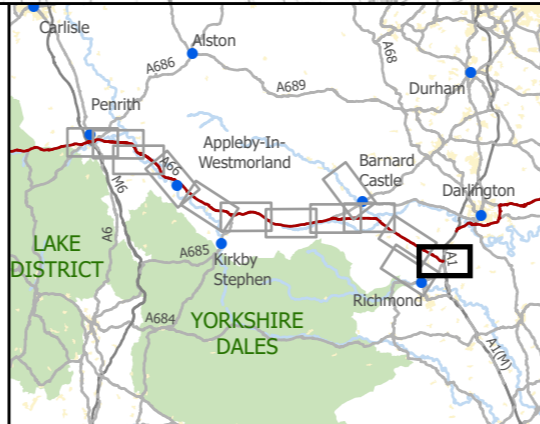
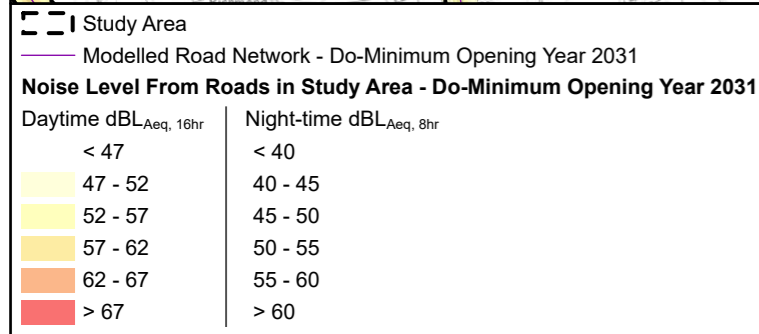
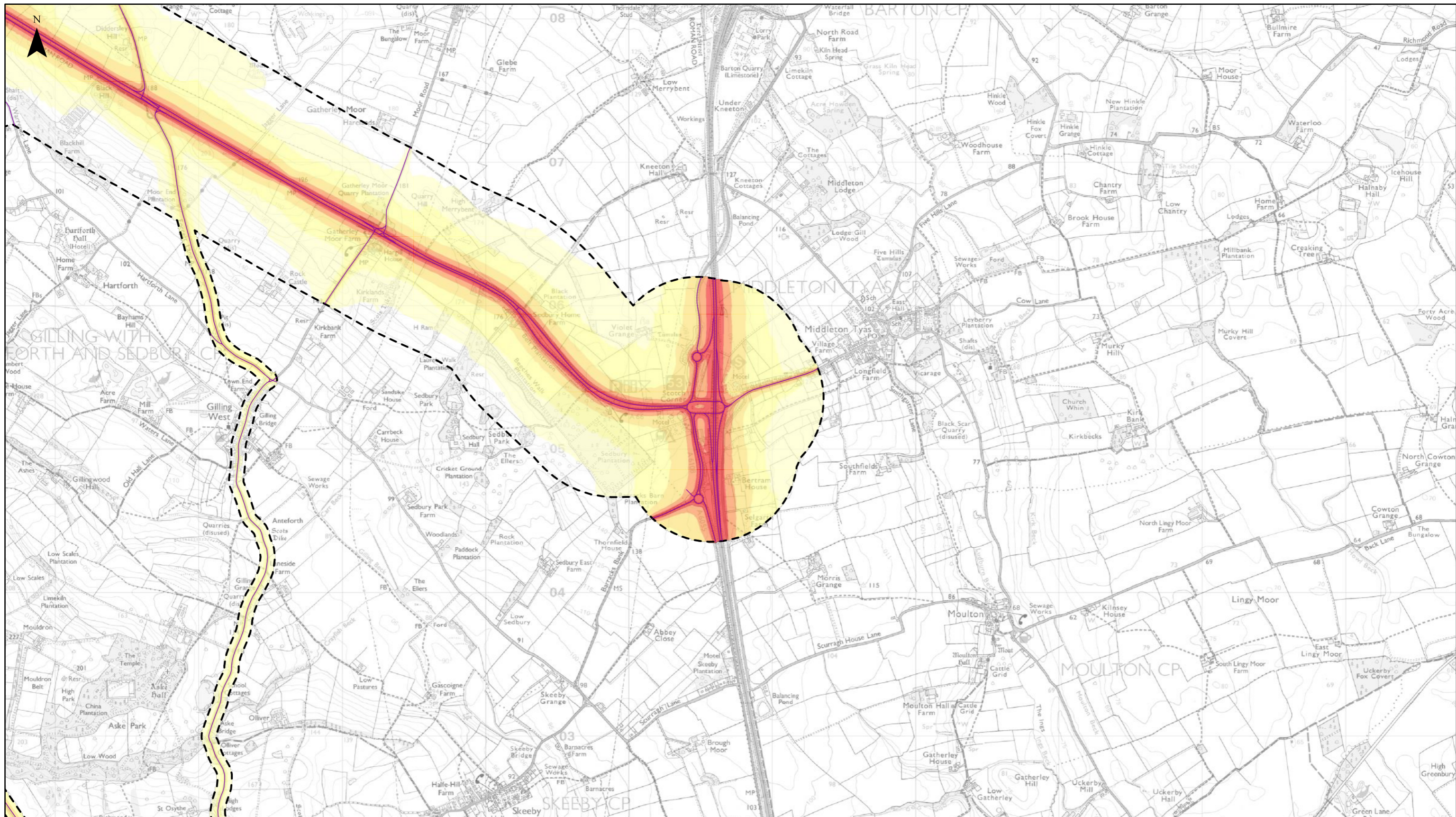


P01	First Issue				
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
EPRA DMOY			
Sheet 11 of 13			
<b>Stephen Bank to Carkin Moor</b>			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008023
	Location	Type	Role
			Number
Suitability	Suitability Description		Revision
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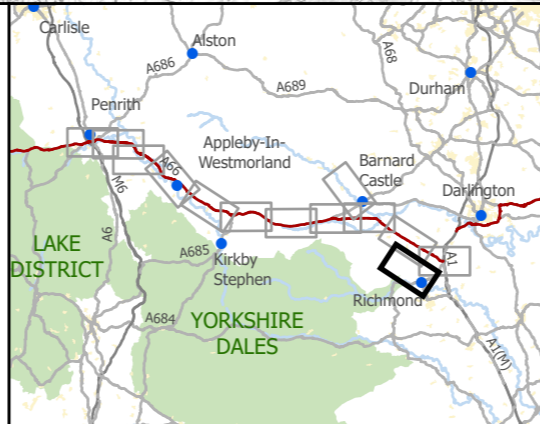
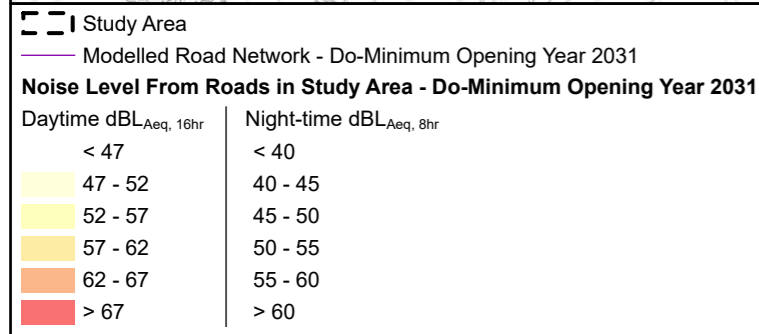
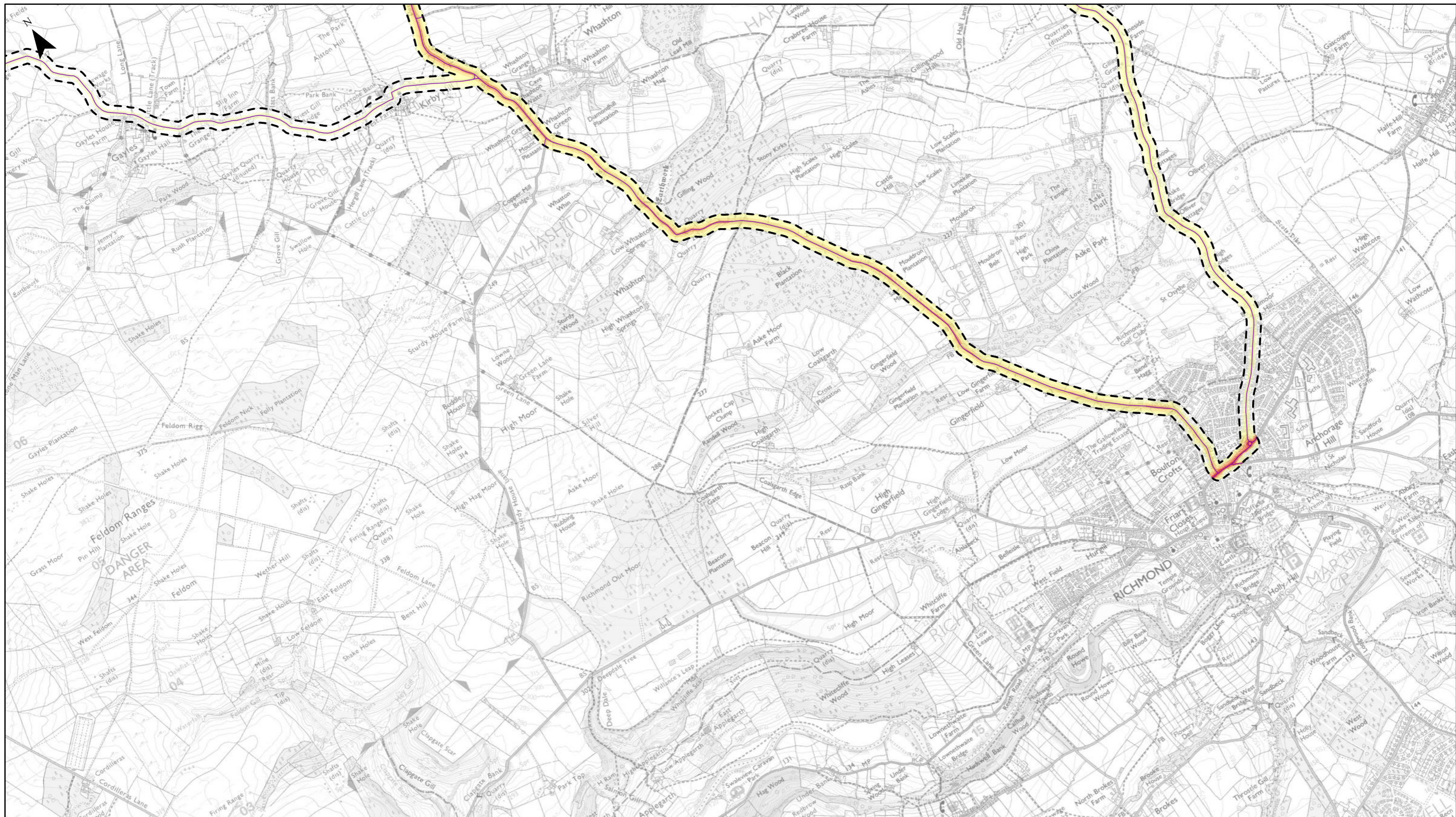


P01	First Issue				
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
EPRA DMOY			
Sheet 12 of 13			
A1(M) Junction 53 Scotch Corner			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008024
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



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P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

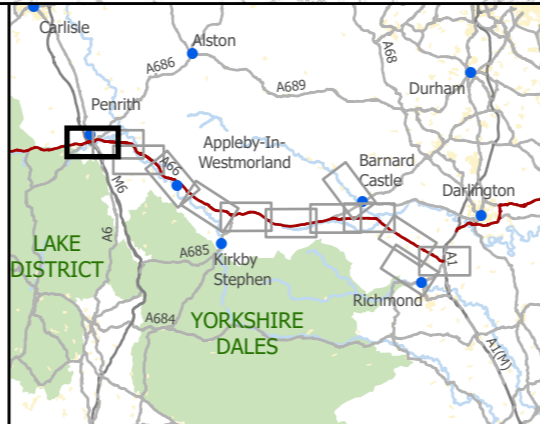
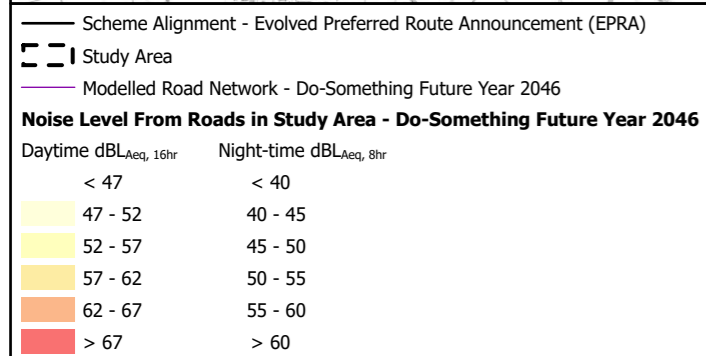
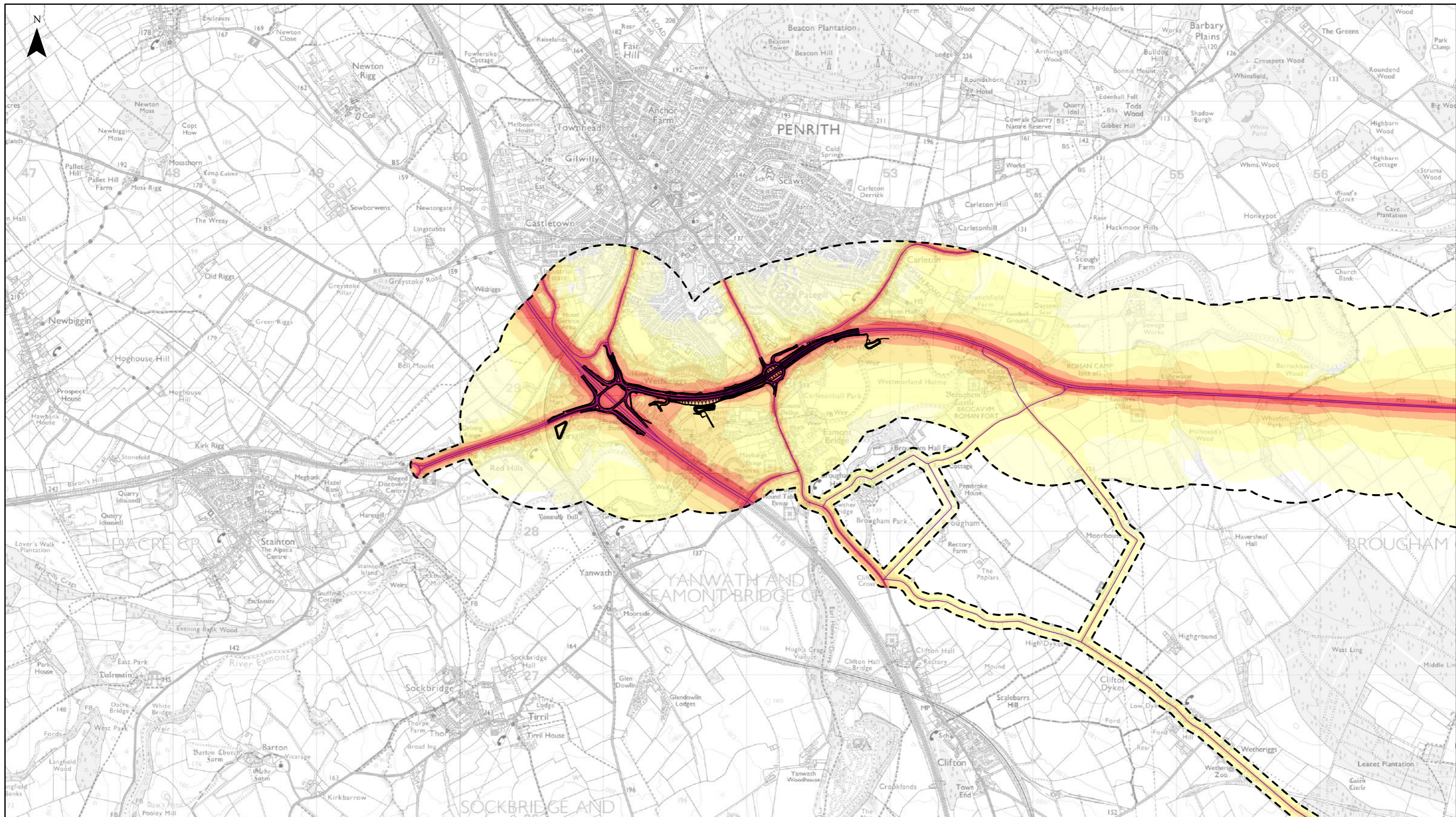
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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.2</b>			
<b>EPRA DMOY</b>			
<b>Sheet 13 of 13</b>			
<b>Study Area</b>			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
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Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

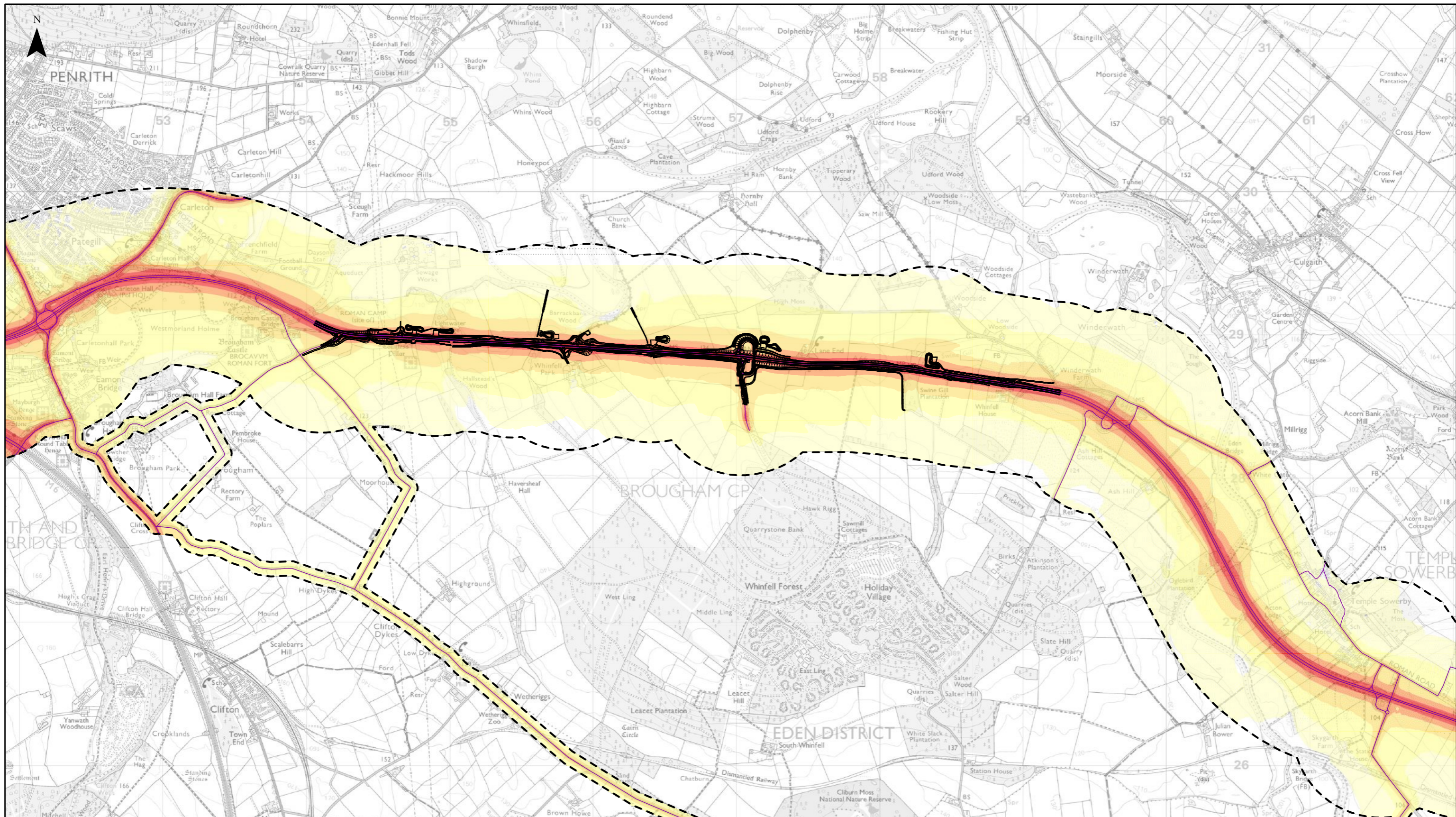


**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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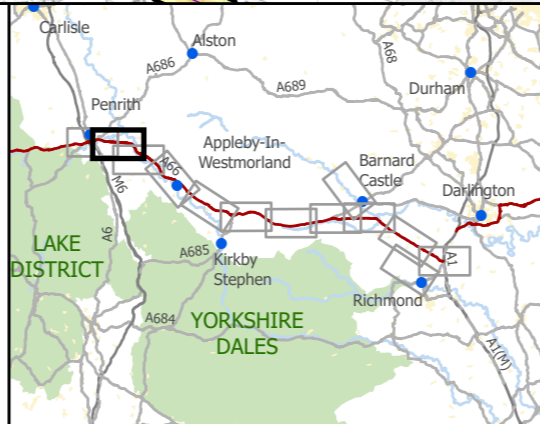
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.3</b>			
EPRA DSFY			
Sheet 1 of 13			
M6 Junction 40 to Kemplay Bank			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008026
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



— Black Route - Preferred Route Announcement (PRA)  
 - - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
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47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



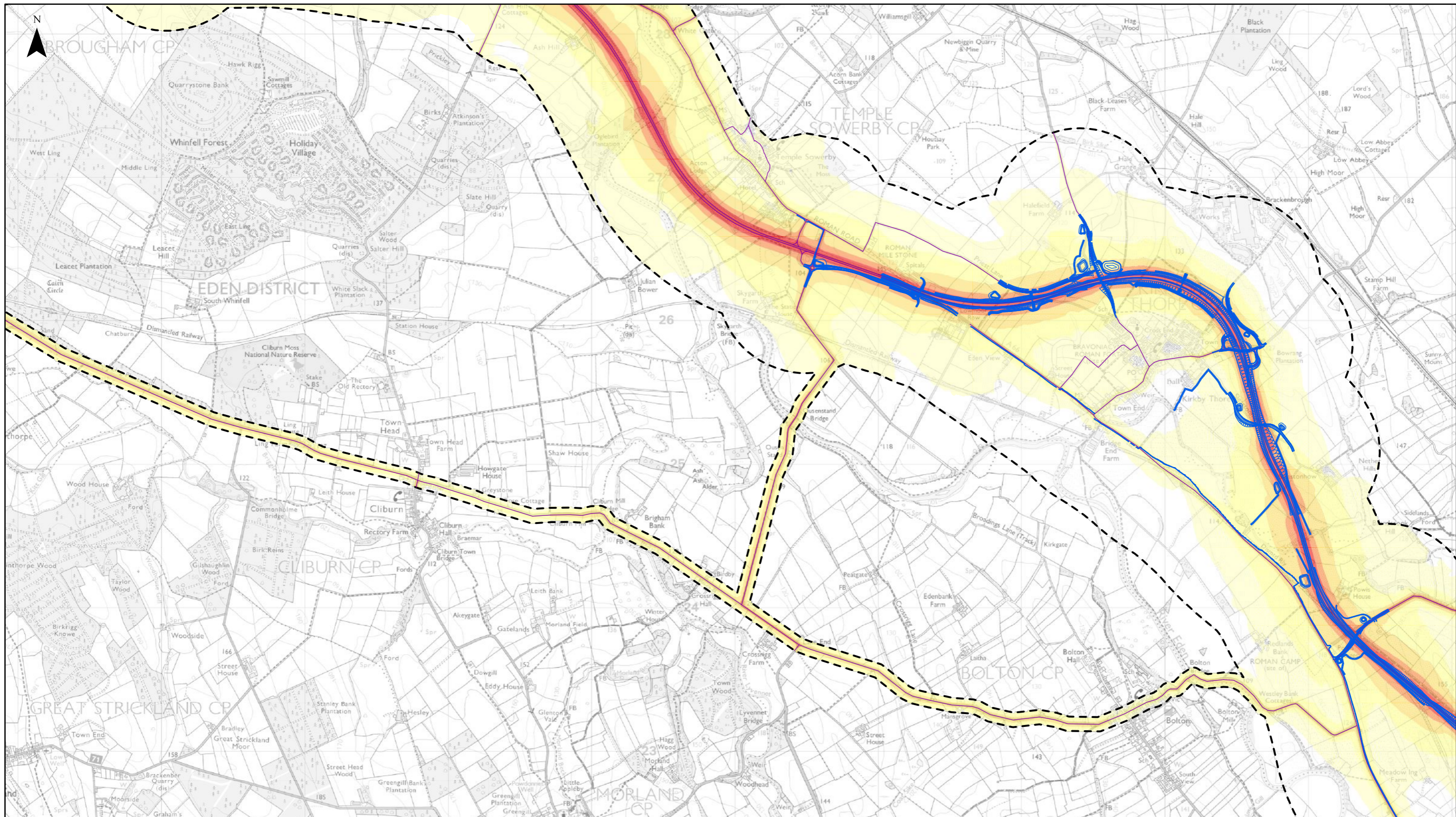
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

0 1 2 Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.3</b>			
EPRA DSFY			
Sheet 2 of 13			
Penrith to Temple Sowerby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008027
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



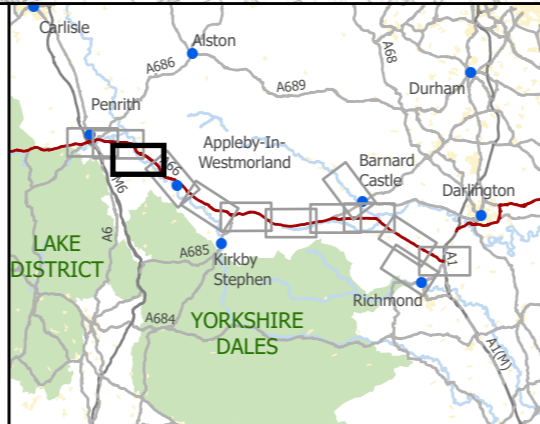
Blue Alternative - Evolved Preferred Route Announcement (EPRA)

Study Area

Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



**highways england** A66 NTP Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name  
**A66 Northern Trans-Pennine**

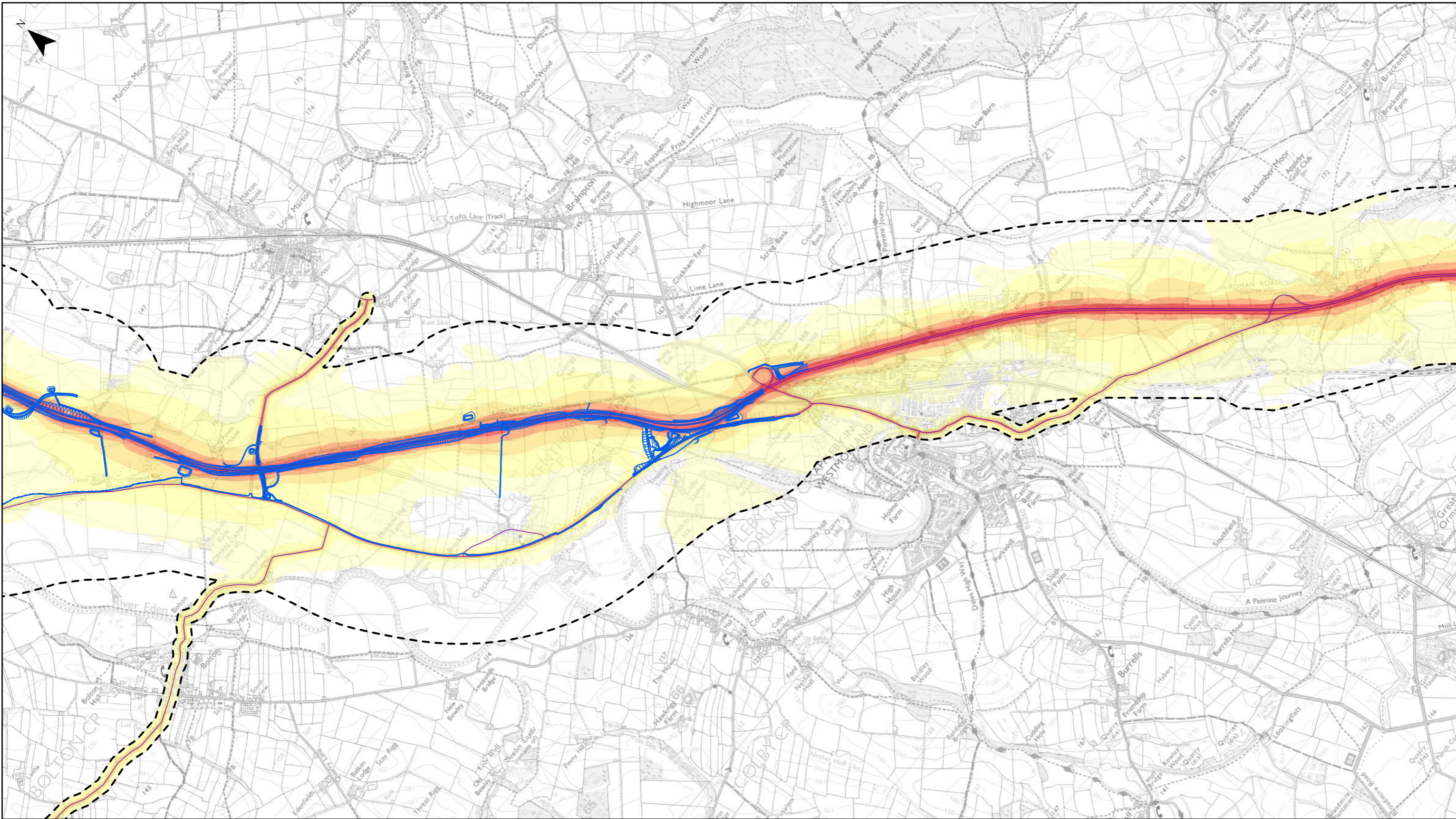
Map Title  
**Figure 12.3**

EPRA DSFY

Sheet 3 of 13

**Temple Sowerby to Appleyby**

Map Number	Project	Originator	Volume
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Suitability	Suitability Description	Type	Role
S4	FIT FOR STAGE APPROVAL		Number
			P01



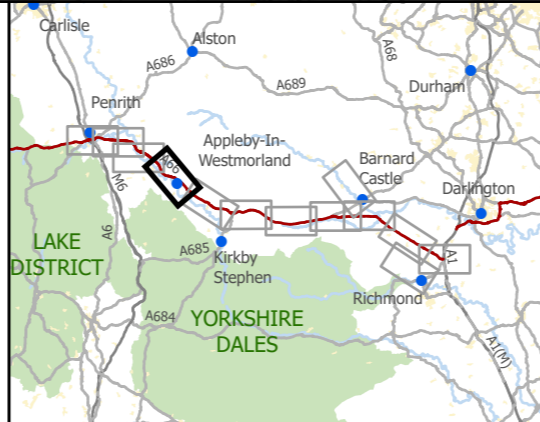
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Study Area

Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name  
**A66 Northern Trans-Pennine**

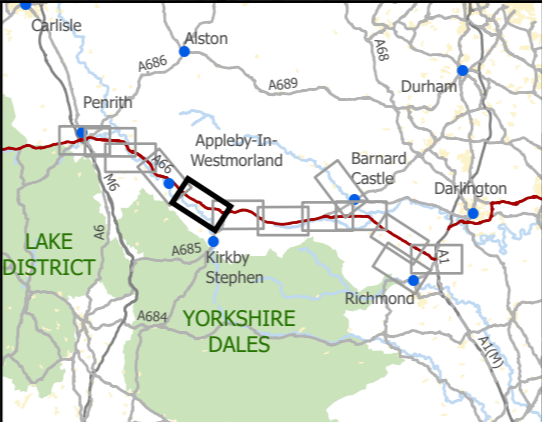
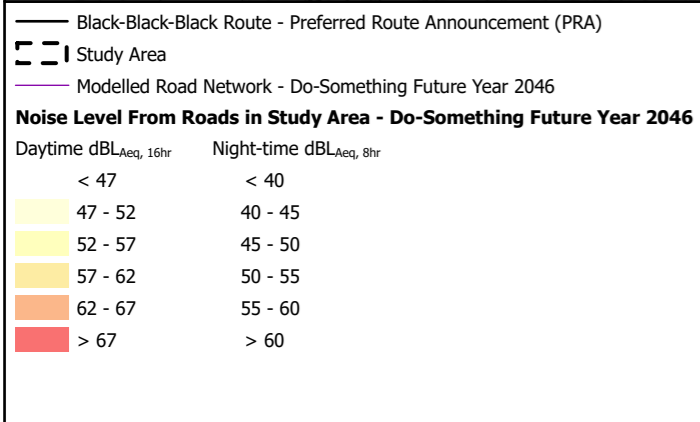
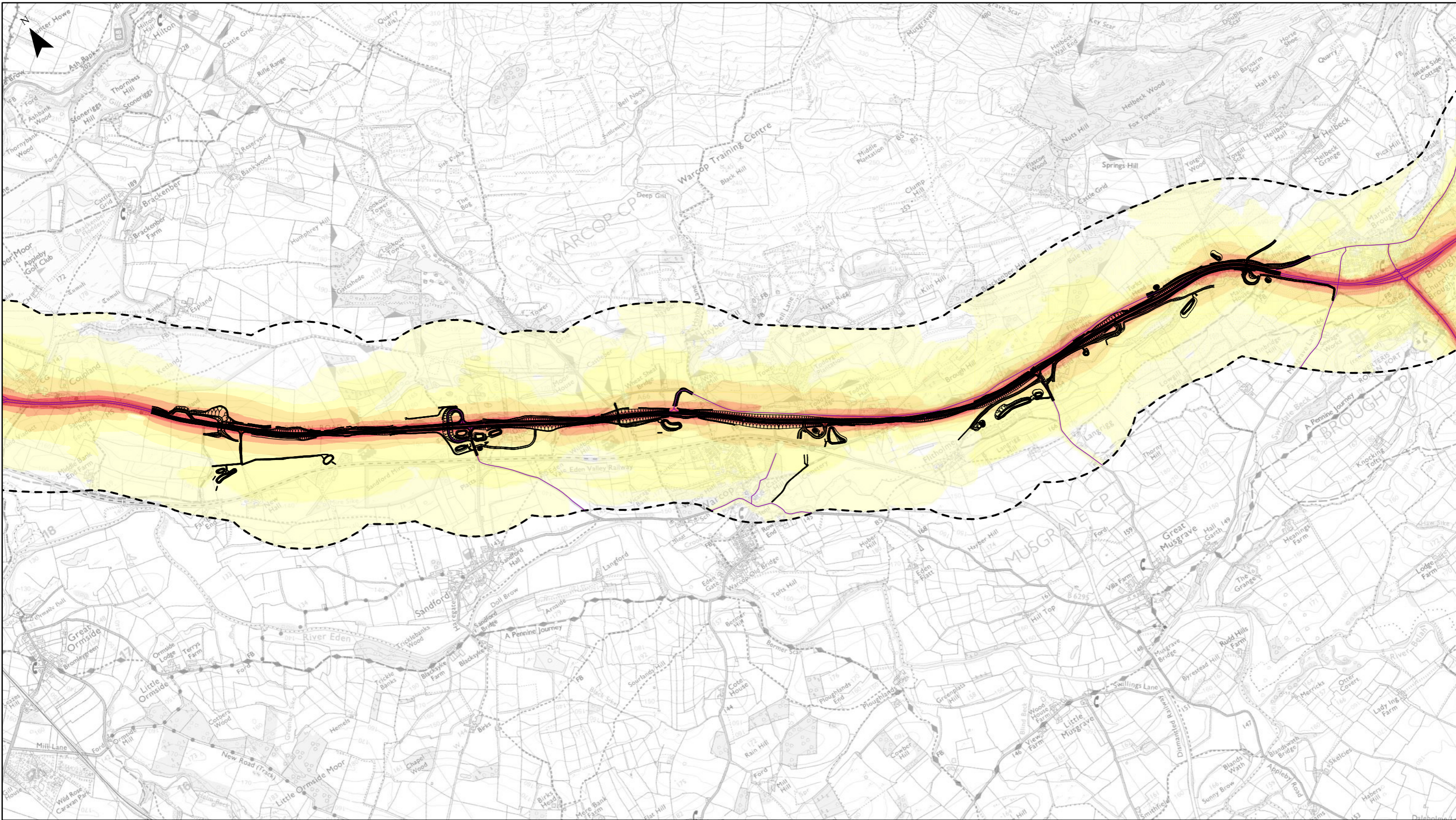
Map Title  
**Figure 12.3**

**EPRA DSFY**

Sheet 4 of 13

Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
	Location	Type	Role
	MP - LN	-	008029

Suitability	Suitability Description	Revision
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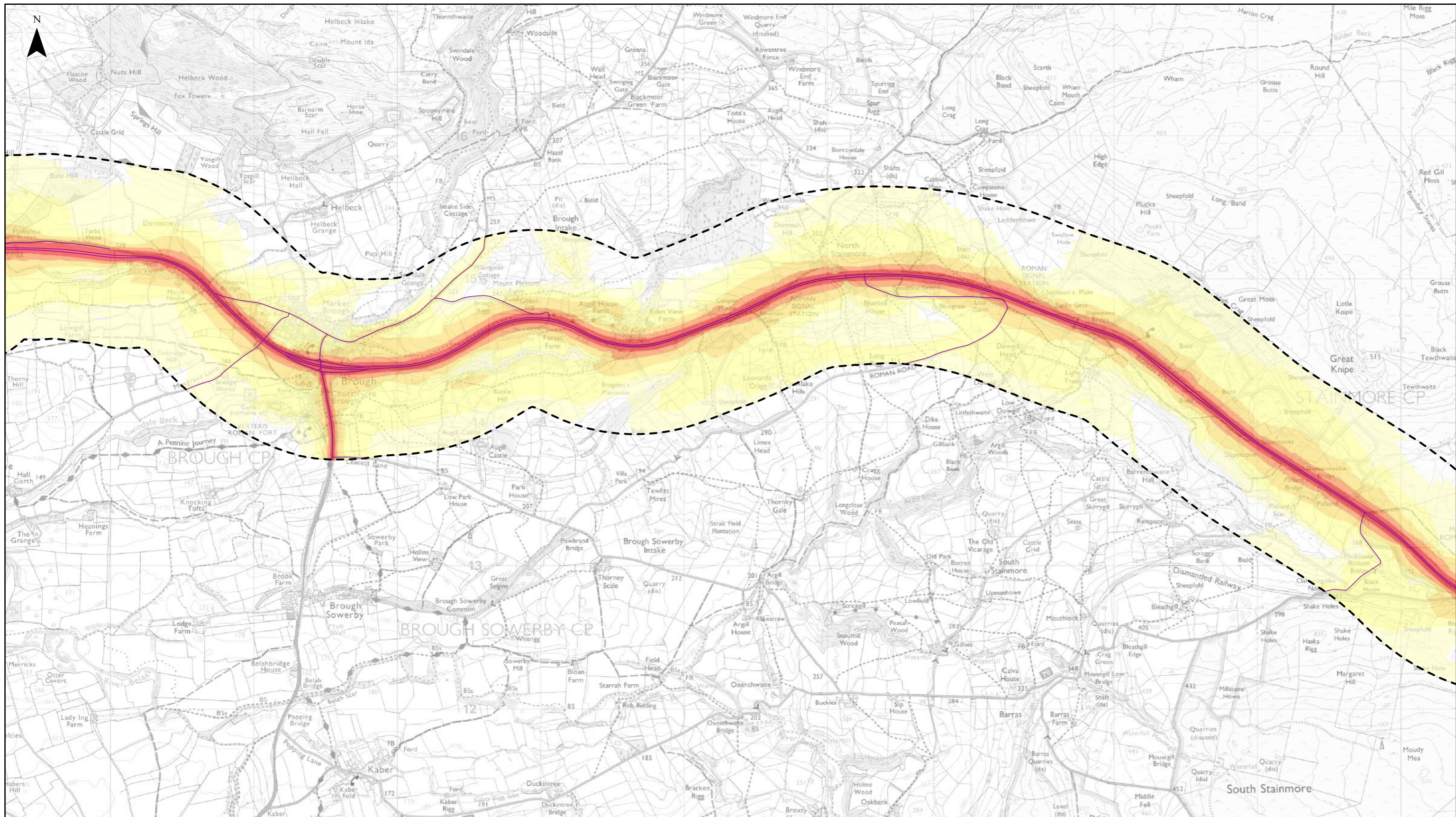


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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.3 EPRA DSFY Sheet 5 of 13 Appleby to Brough			
Map Number Project	Originator	Volume	
HE565627	AMY	ENV	
S00		MP	LN - 008030
Location		Type	Role   Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01





**Study Area**

Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



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A66 NTP Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

0 1 2

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.3**

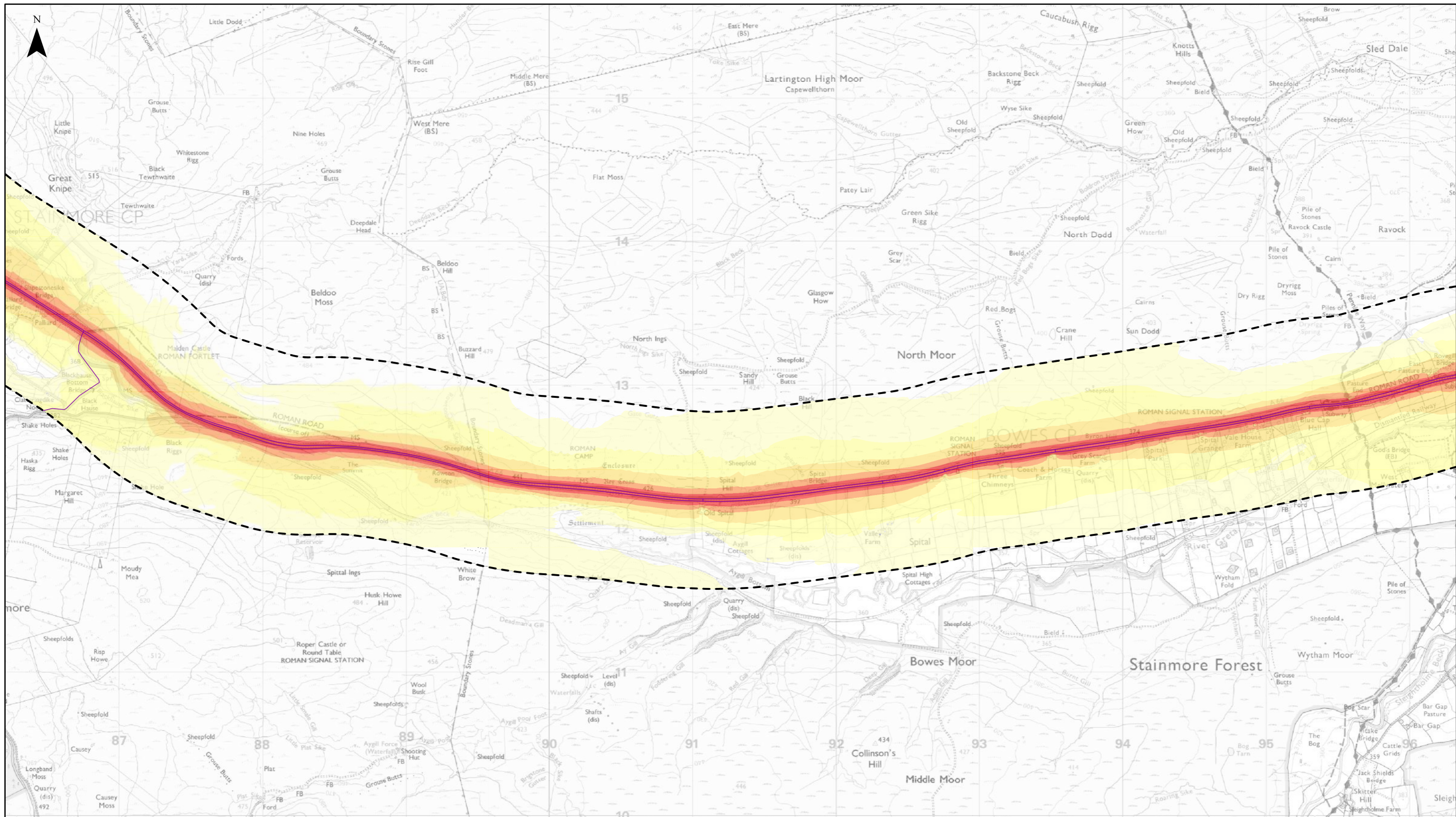
**EPRA DSFY**

Sheet 6 of 13

**Study Area**

Map Number	Project	Originator	Volume
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	Location	Type	Role

Suitability	Suitability Description	Revision
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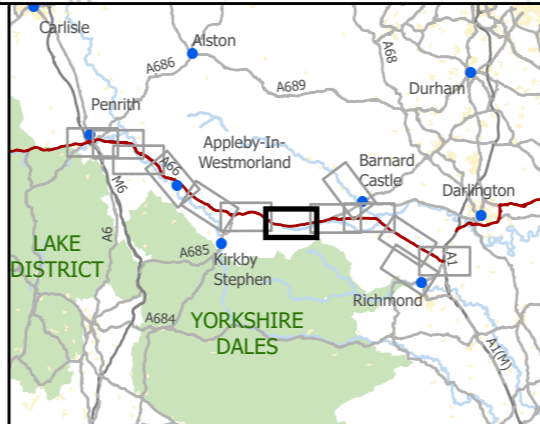


**Study Area**

— Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime $\text{dBL}_{\text{Aeq}, 16\text{hr}}$	Night-time $\text{dBL}_{\text{Aeq}, 8\text{hr}}$
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

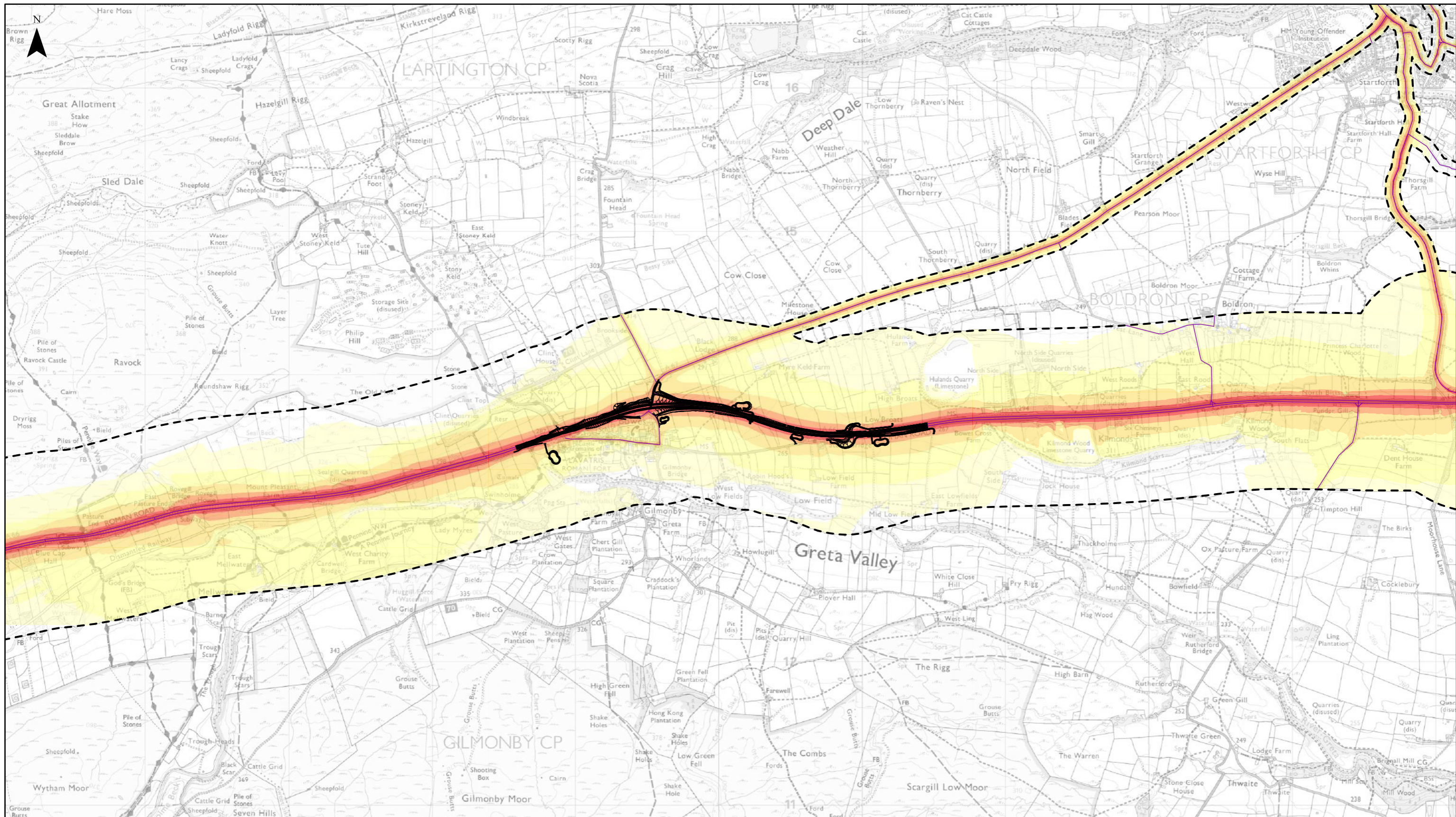
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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.3</b>			
EPRA DSFY			
Sheet 7 of 13			
Study Area			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
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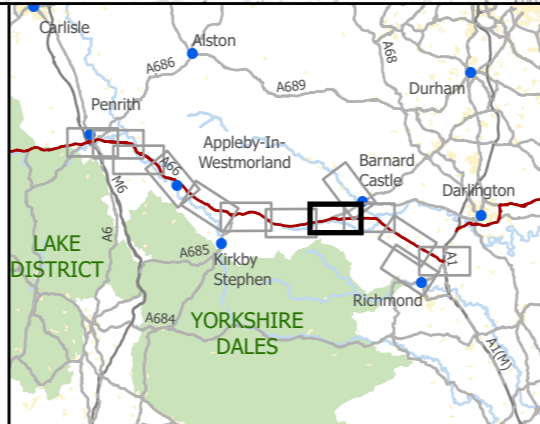


— Black-Black-Black Alternative - Evolved Version of Preferred Route Announced Spring 2020 (EPRA)

- - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres  
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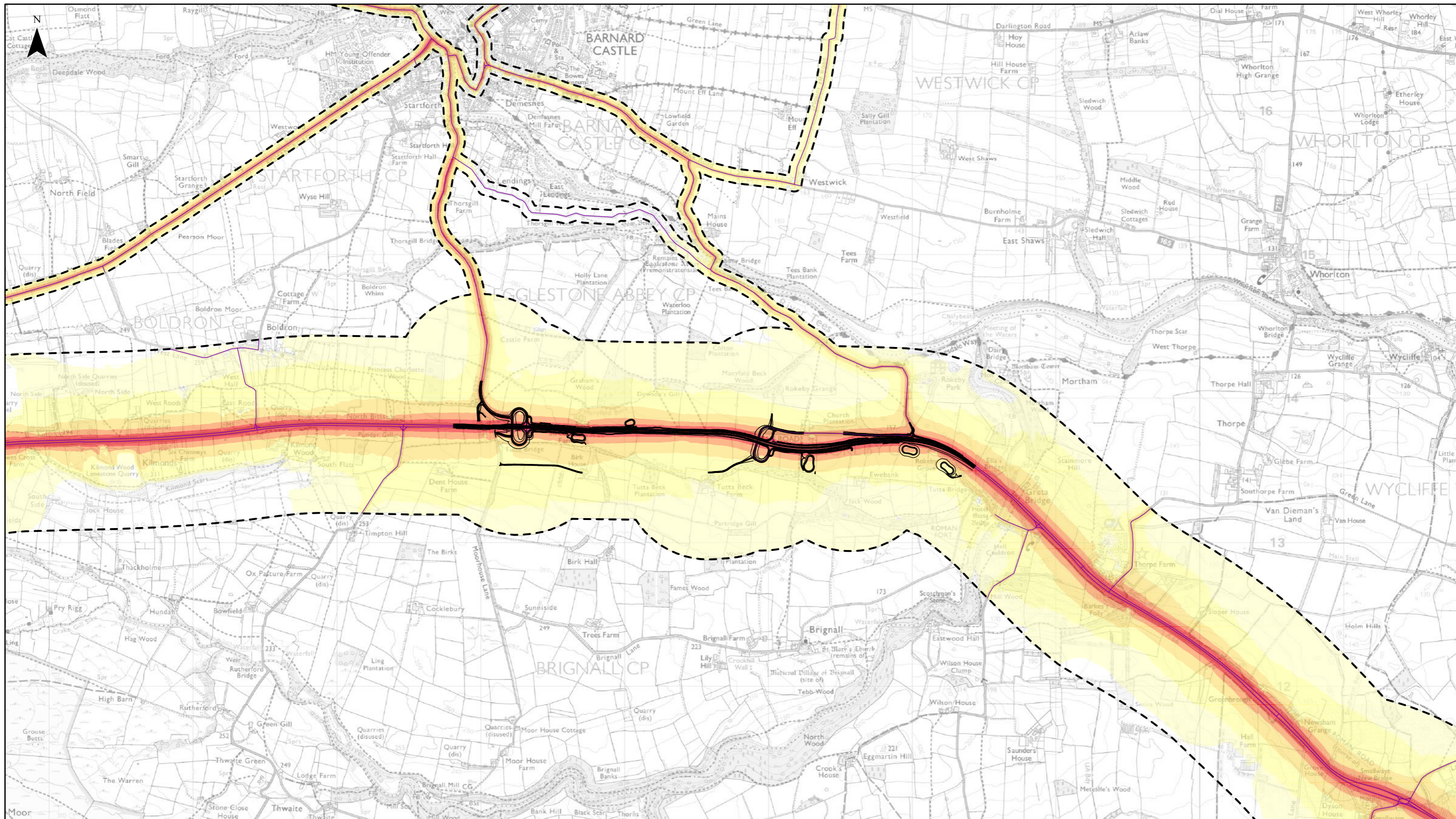
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.3**  
**EPRA DSFY**  
**Sheet 8 of 13**  
**Bowes Bypass**

Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
	Location	Type	Role
		MP	LN
			008033

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



— Black-Black Alternative - Evolved Version of Preferred Route Announced Spring 2020 (EPRA)  
 - - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Map Number	Project	Originator	Volume
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Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.3**  
**EPRA DSFY**  
**Sheet 9 of 13**  
**Cross Lanes to Rokeby**

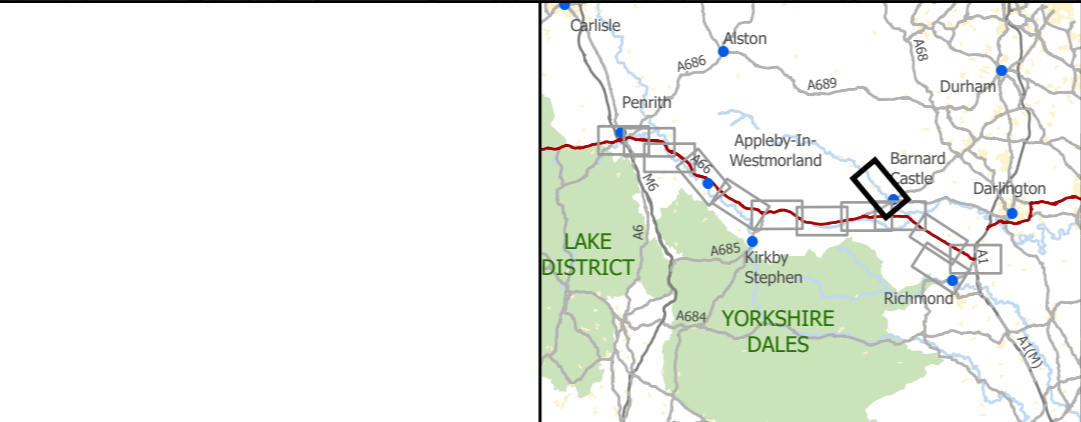


**Study Area**

Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



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P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.3**

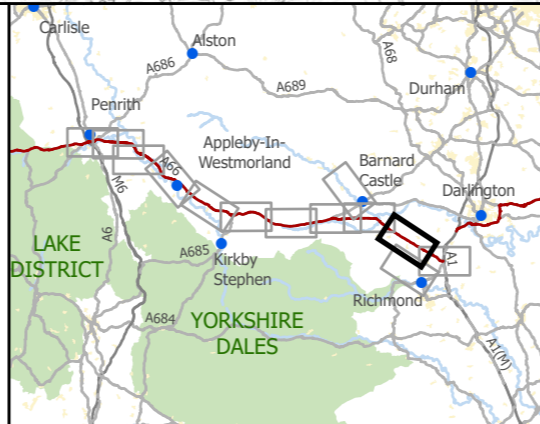
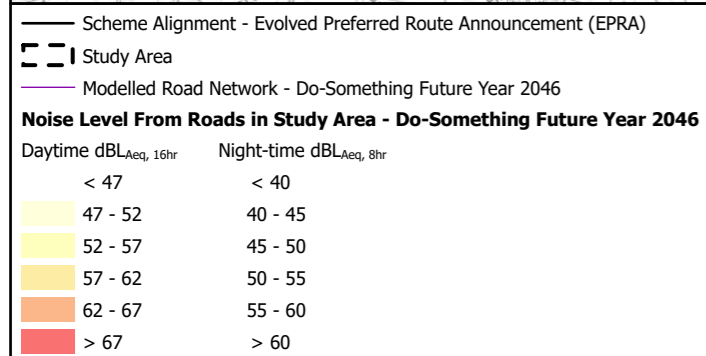
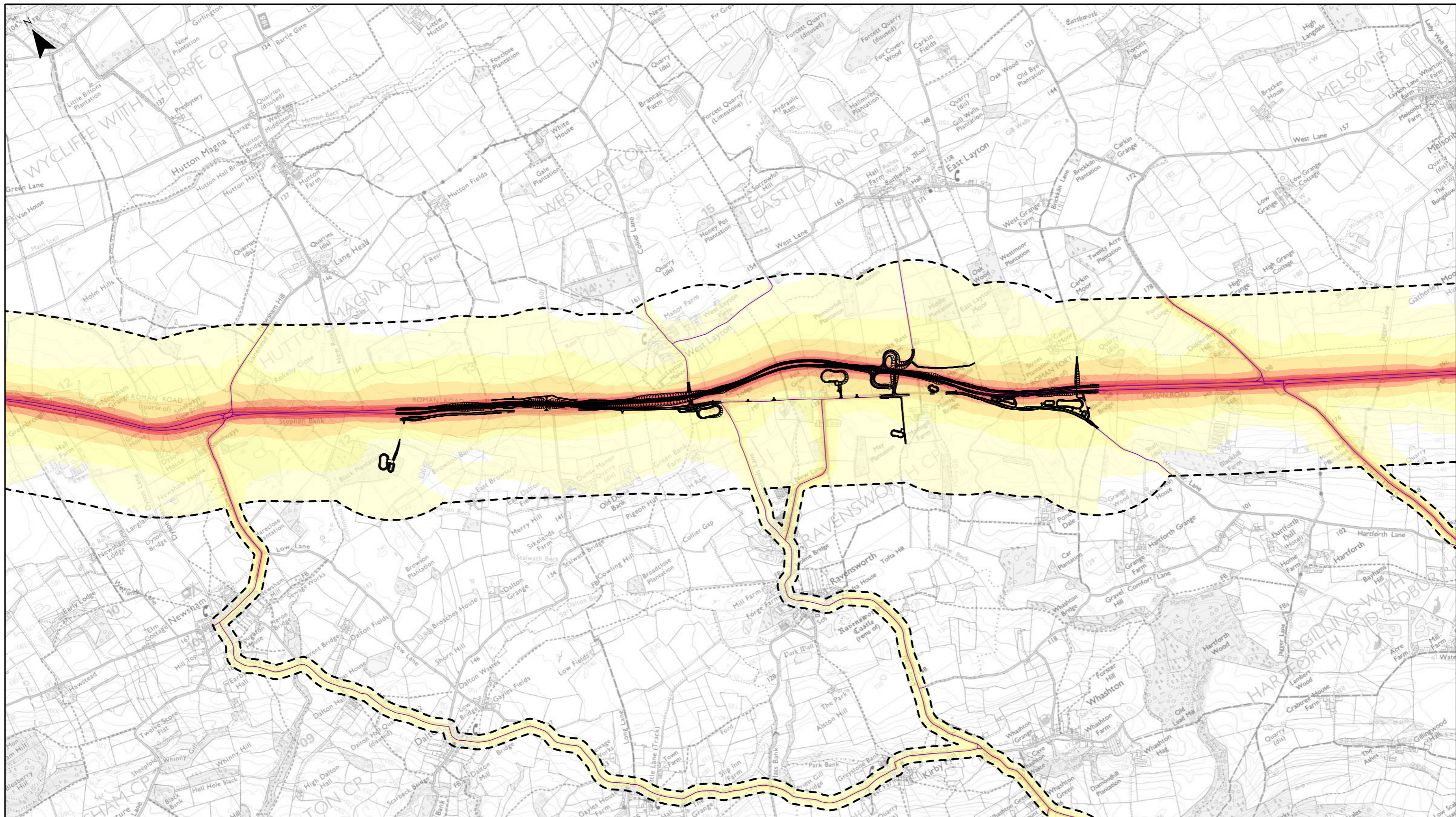
**EPRA DSFY**

Sheet 10 of 13

**Study Area**

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Location	Type	Role	Number
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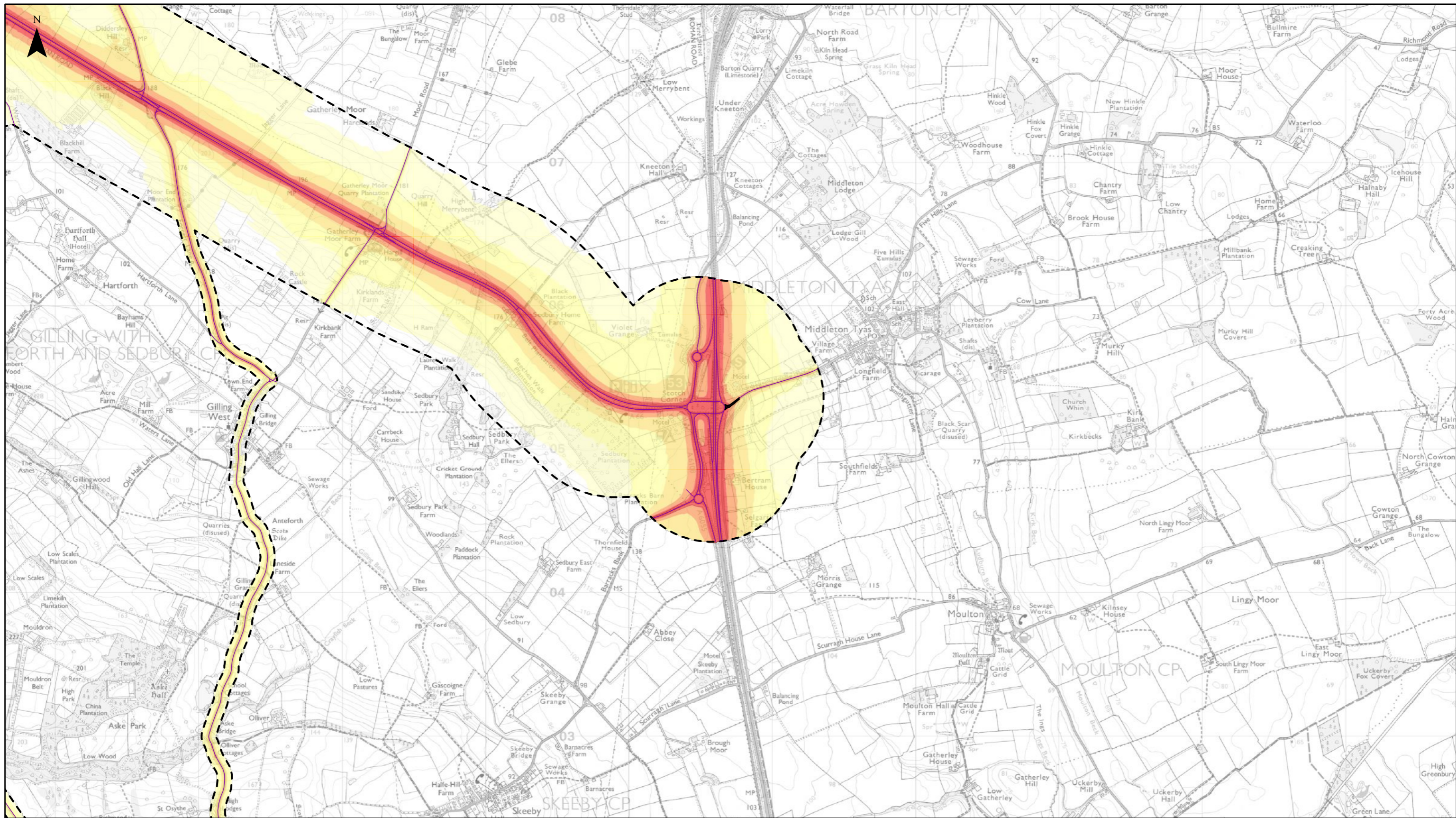
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P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

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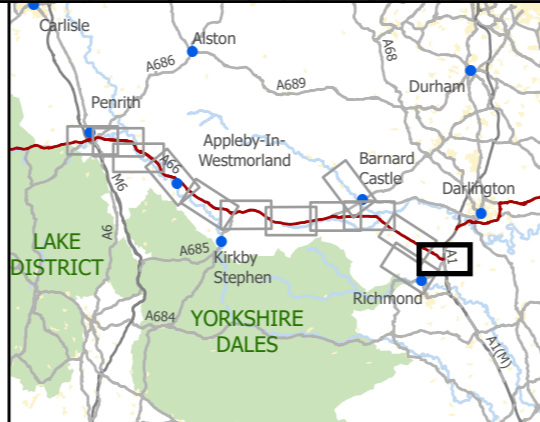
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Map Title Figure 12.3 EPRA DSFY			
Sheet 11 of 13 Stephen Bank to Carkin Moor			
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S00	MP	LN	008036
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



— Scheme Alignment - Evolved Preferred Route Announcement (EPRA)  
 - - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



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**A66 NTP** Integrated Project Team

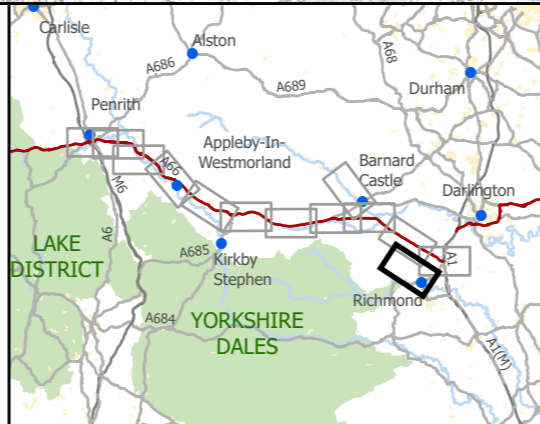
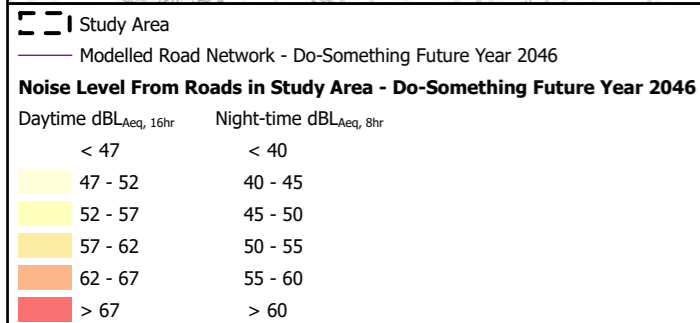
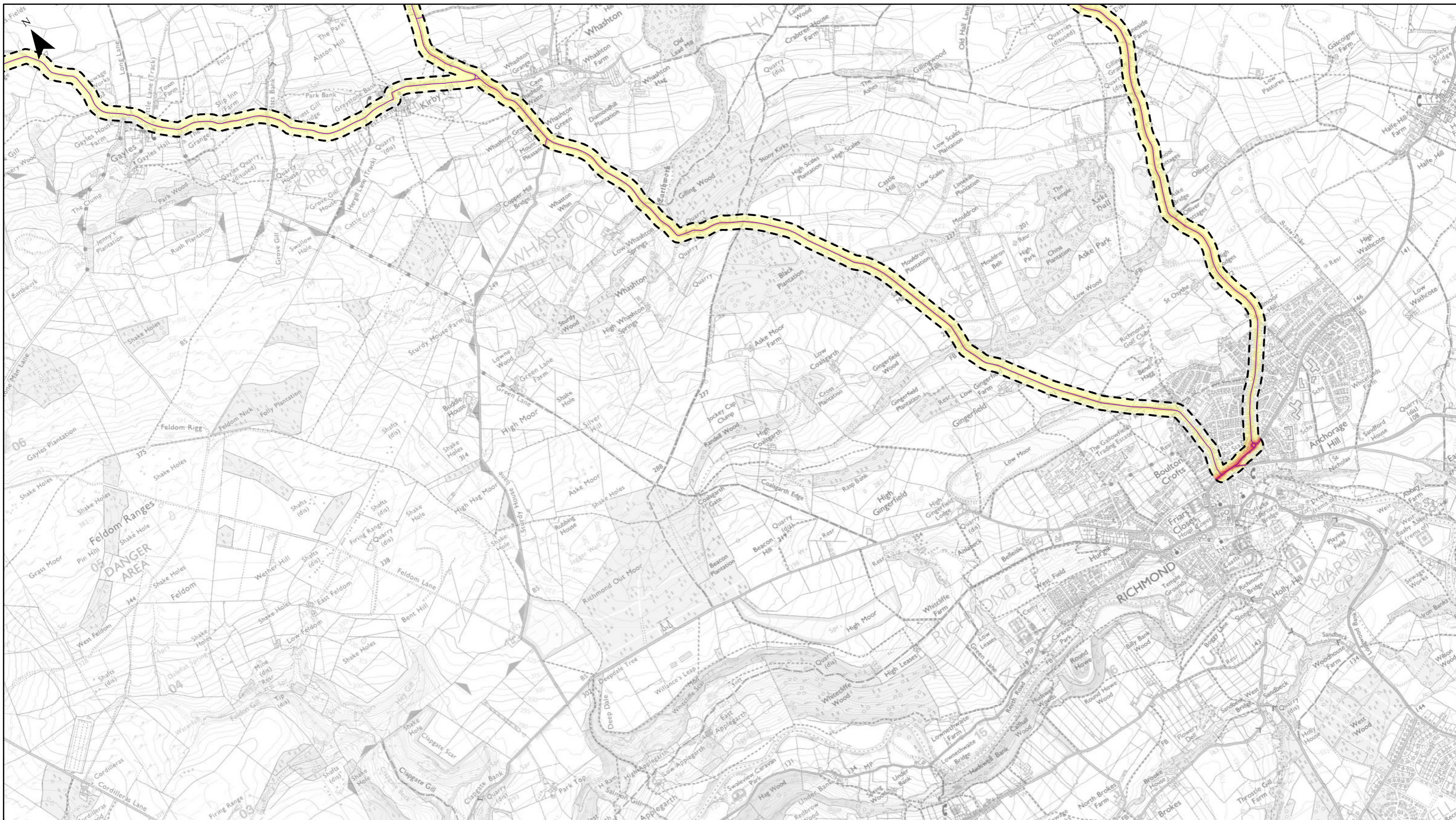
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	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.3</b>			
EPRA DSFY			
Sheet 12 of 13			
<b>A1(M) Junction 53 Scotch Corner</b>			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
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Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

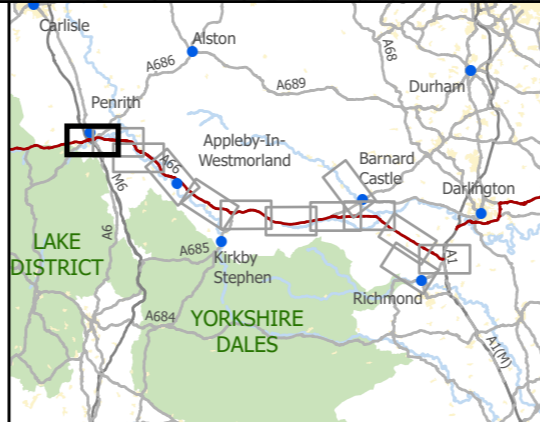
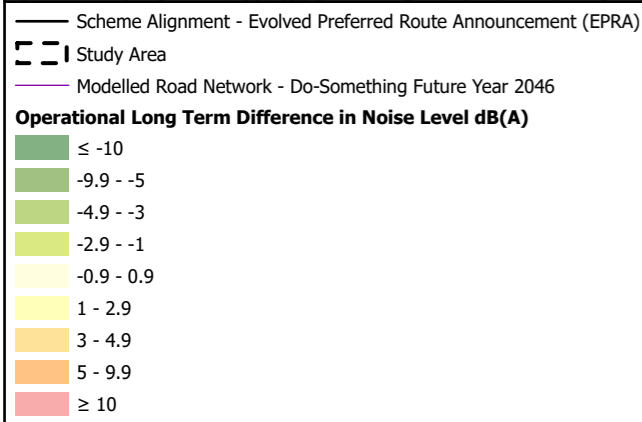
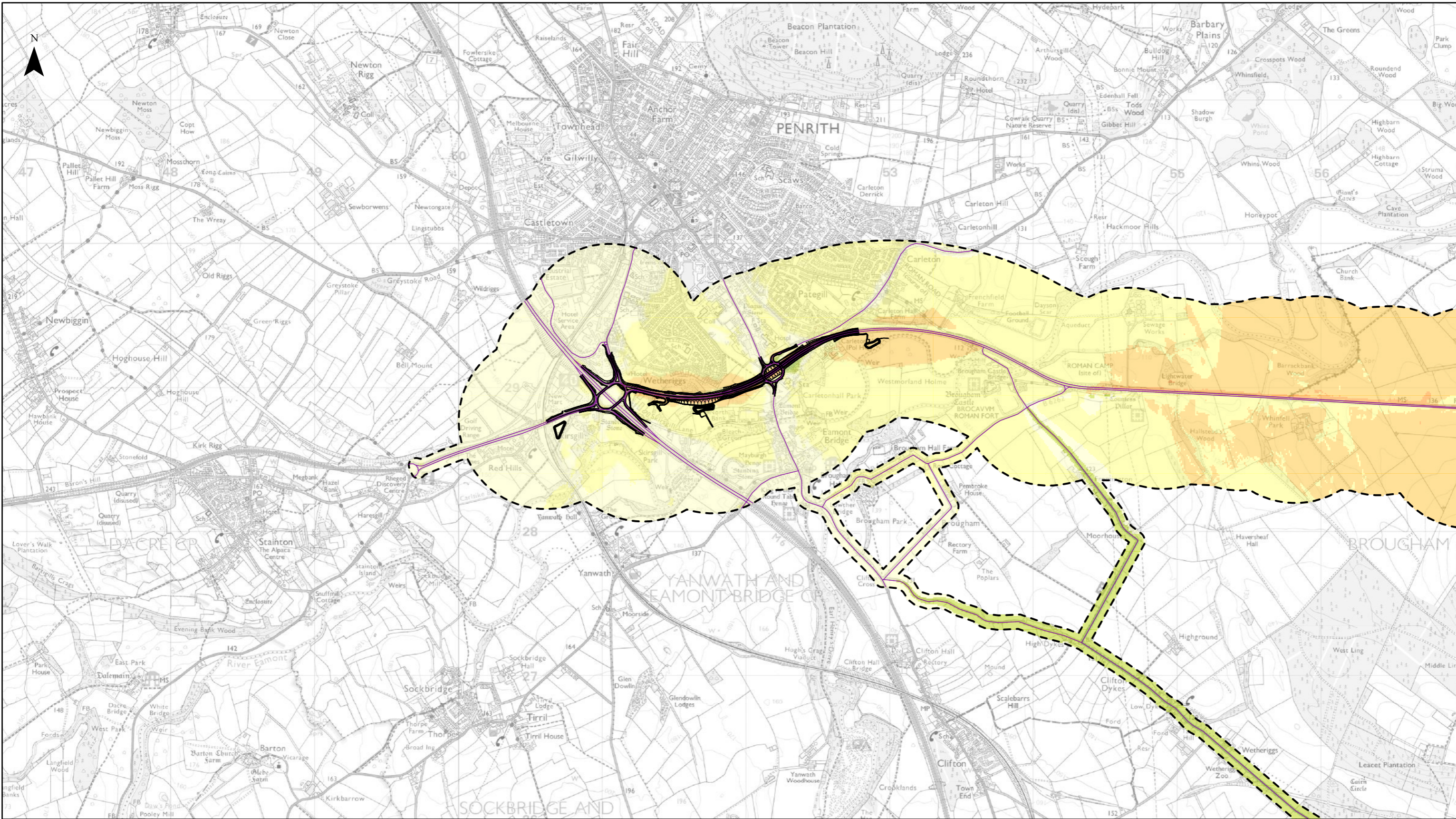


P01	First Issue				
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.3</b>			
EPRA DSFY			
Sheet 13 of 13			
<b>Study Area</b>			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008038
Suitability	Location		Number
S4	FIT FOR STAGE APPROVAL		P01





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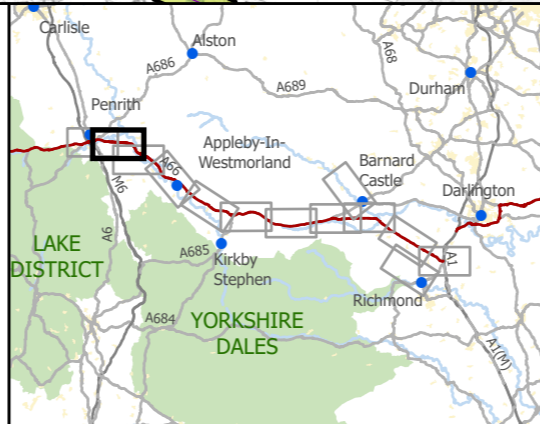
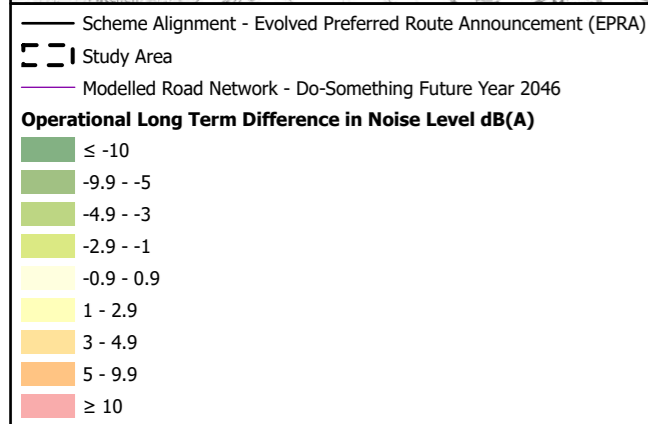
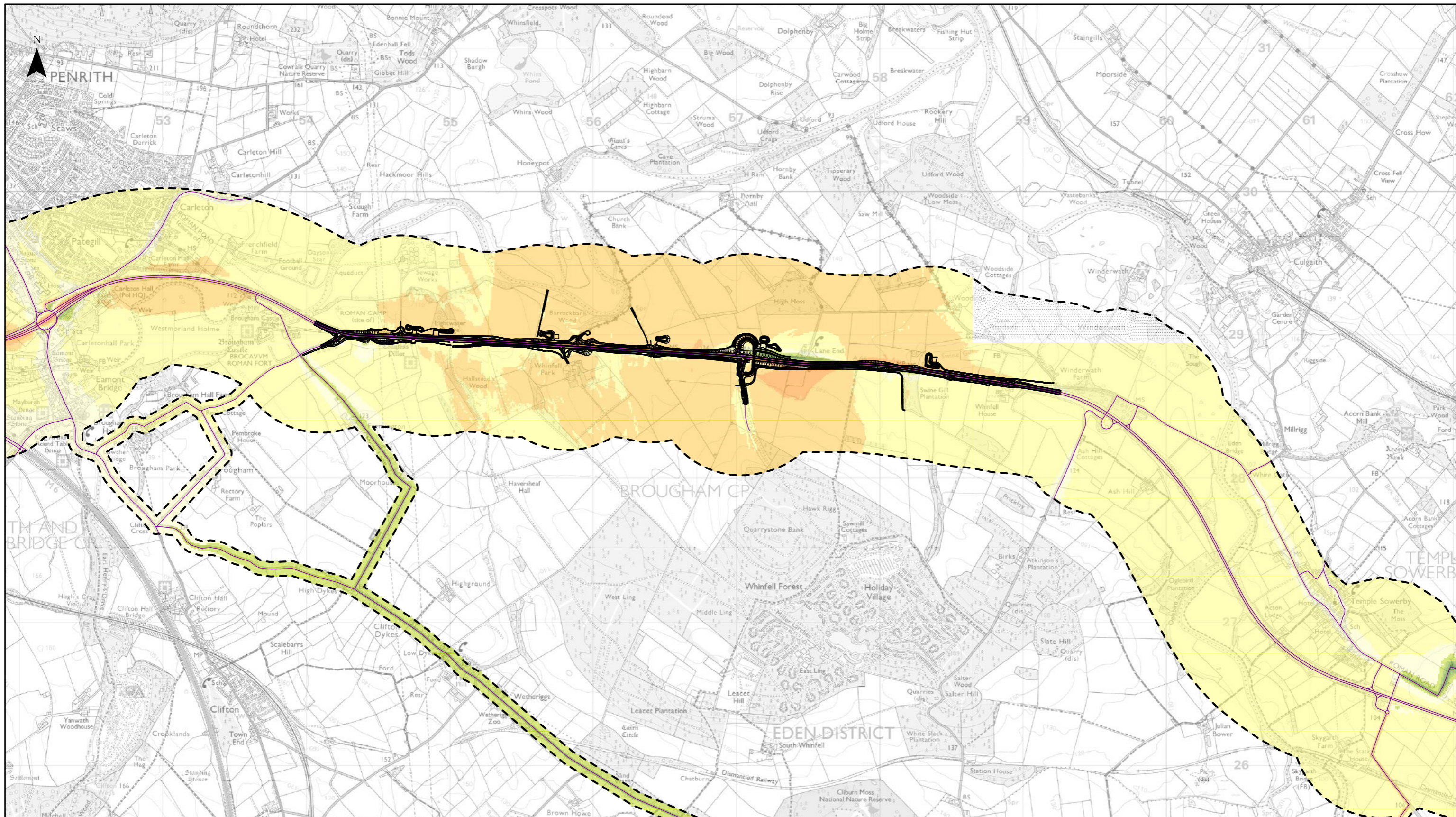
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Revision	Created	Checked	Reviewed	Approved	Authorised	

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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.4</b>			
EPRA Diff			
Sheet 1 of 13			
<b>M6 Junction 40 to Kemplay Bank</b>			
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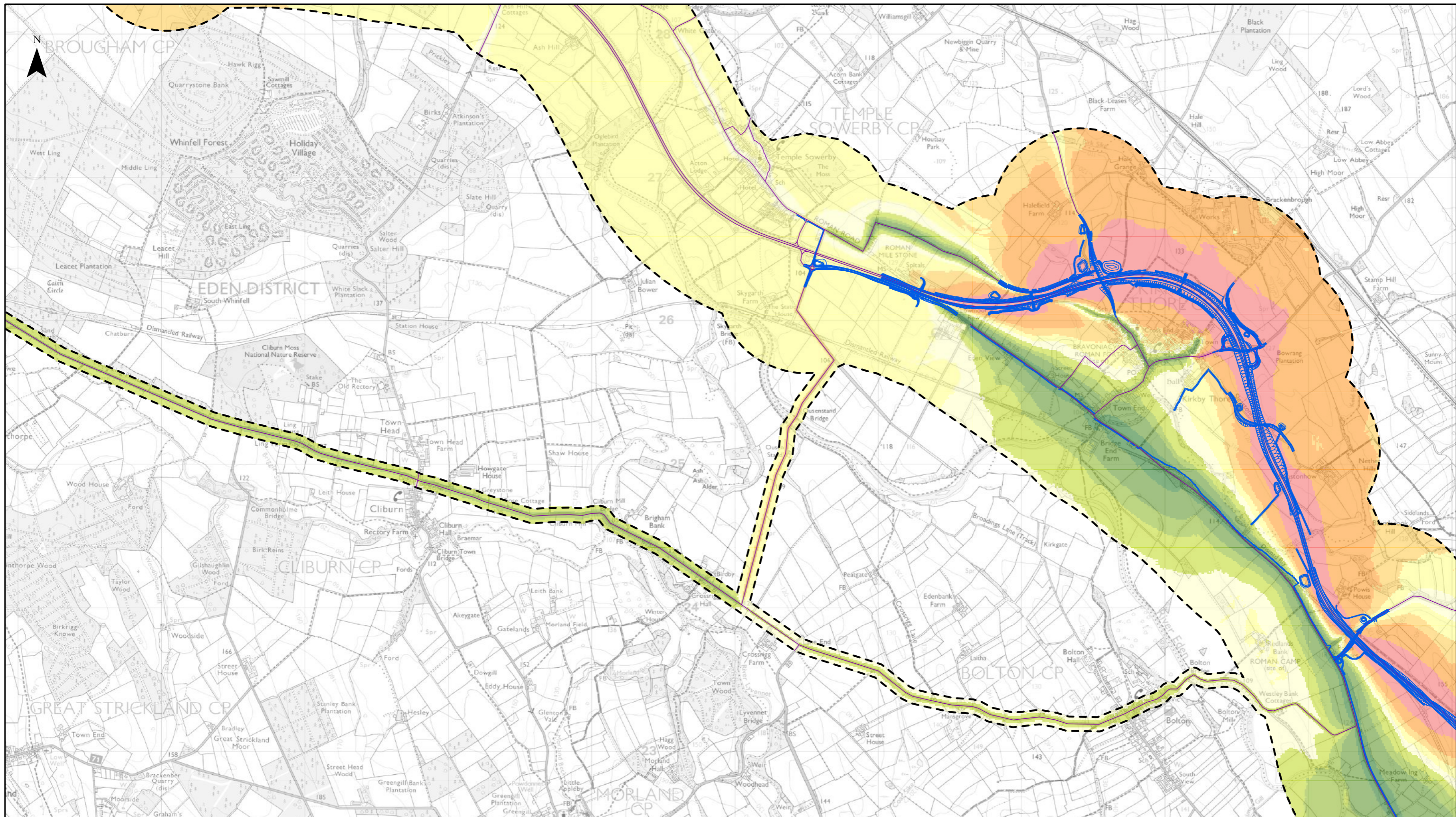
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
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Revision	Created	Checked	Reviewed	Approved	Authorised	

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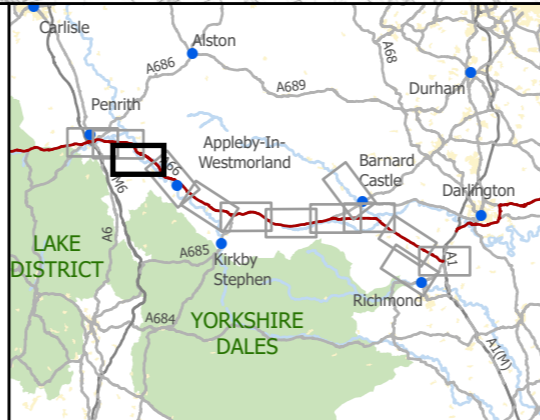
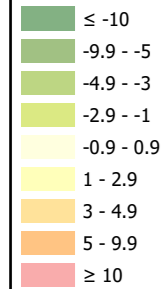
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Map Title Figure 12.4			
EPRA Diff			
Sheet 2 of 13			
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S00	MP	LN	008040
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



Blue Alternative - Evolved Version of Preferred Route Announced Spring 2020 (EPRA)

Study Area  
Modelled Road Network - Do-Something Future Year 2046

**Operational Long Term Difference in Noise Level dB(A)**



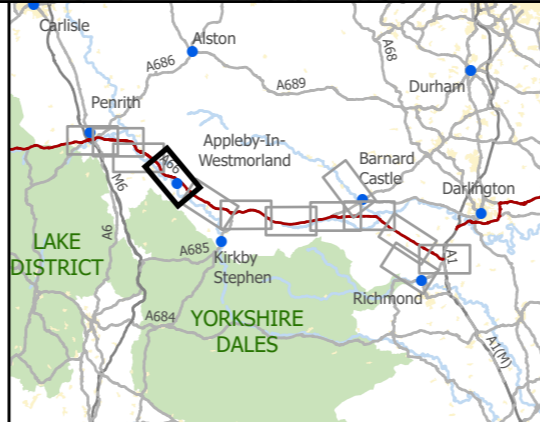
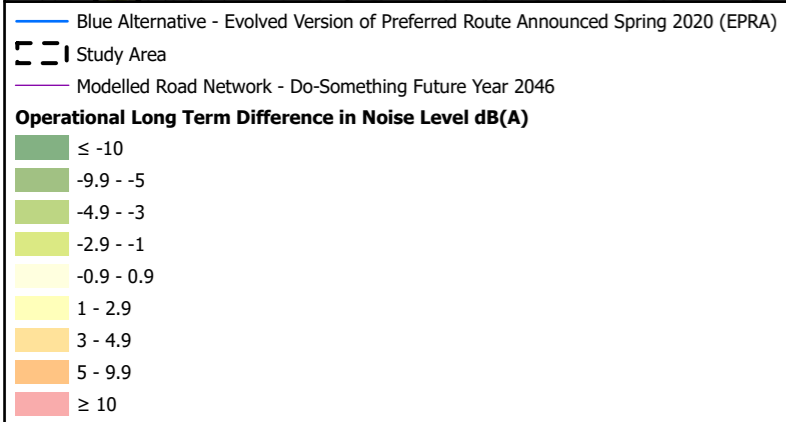
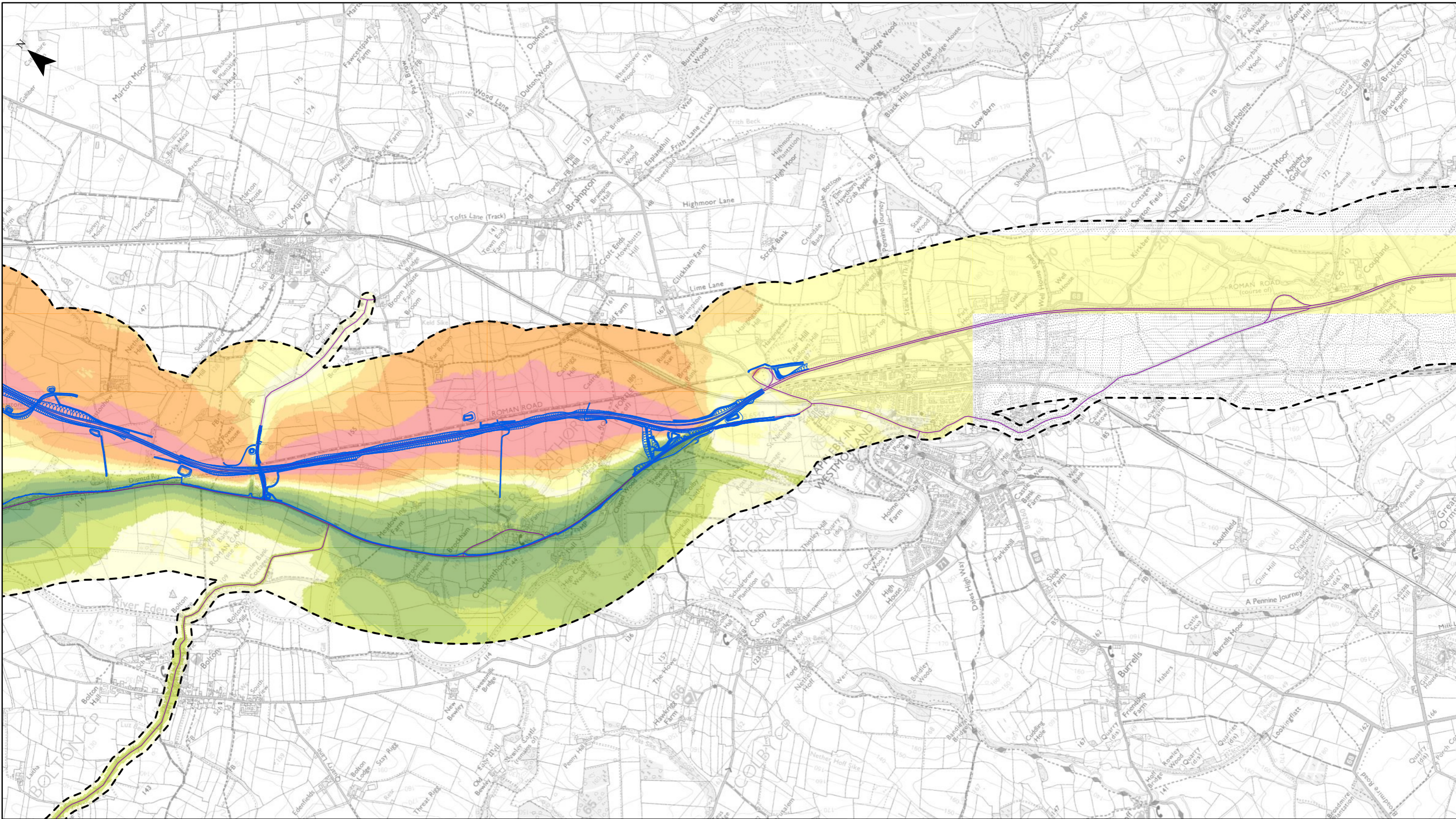
**highways england** **A66 NTP** Integrated Project Team

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Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.4</b>			
EPRA Diff			
Sheet 3 of 13			
Temple Sowerby to Appleyby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008041
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

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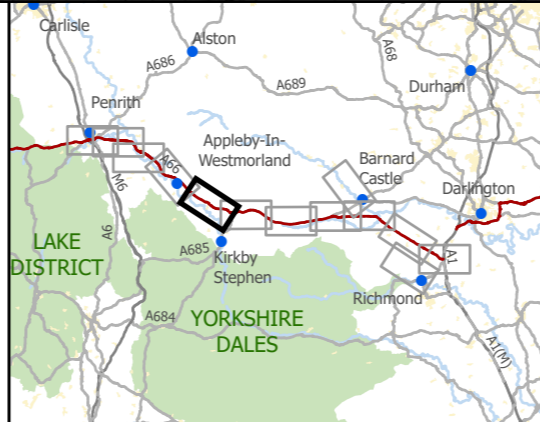
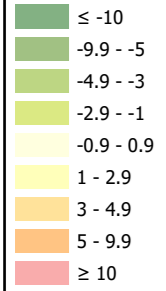
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EPRA Diff			
Sheet 4 of 13			
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Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
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Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



— Black-Black-Black Alternative - Evolved Version of Preferred Route Announced Spring 2020 (EPRA)

- - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Operational Long Term Difference in Noise Level dB(A)**



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

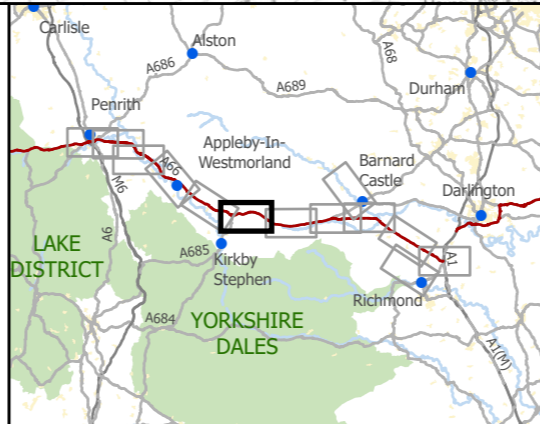
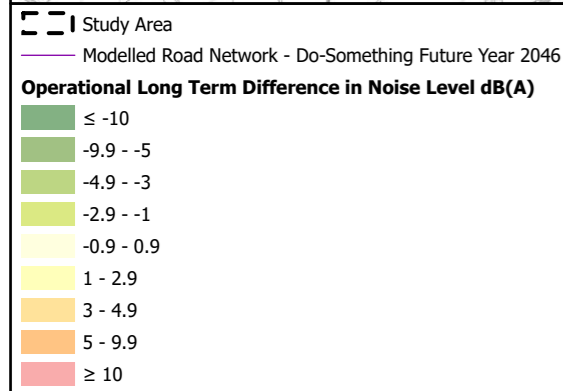
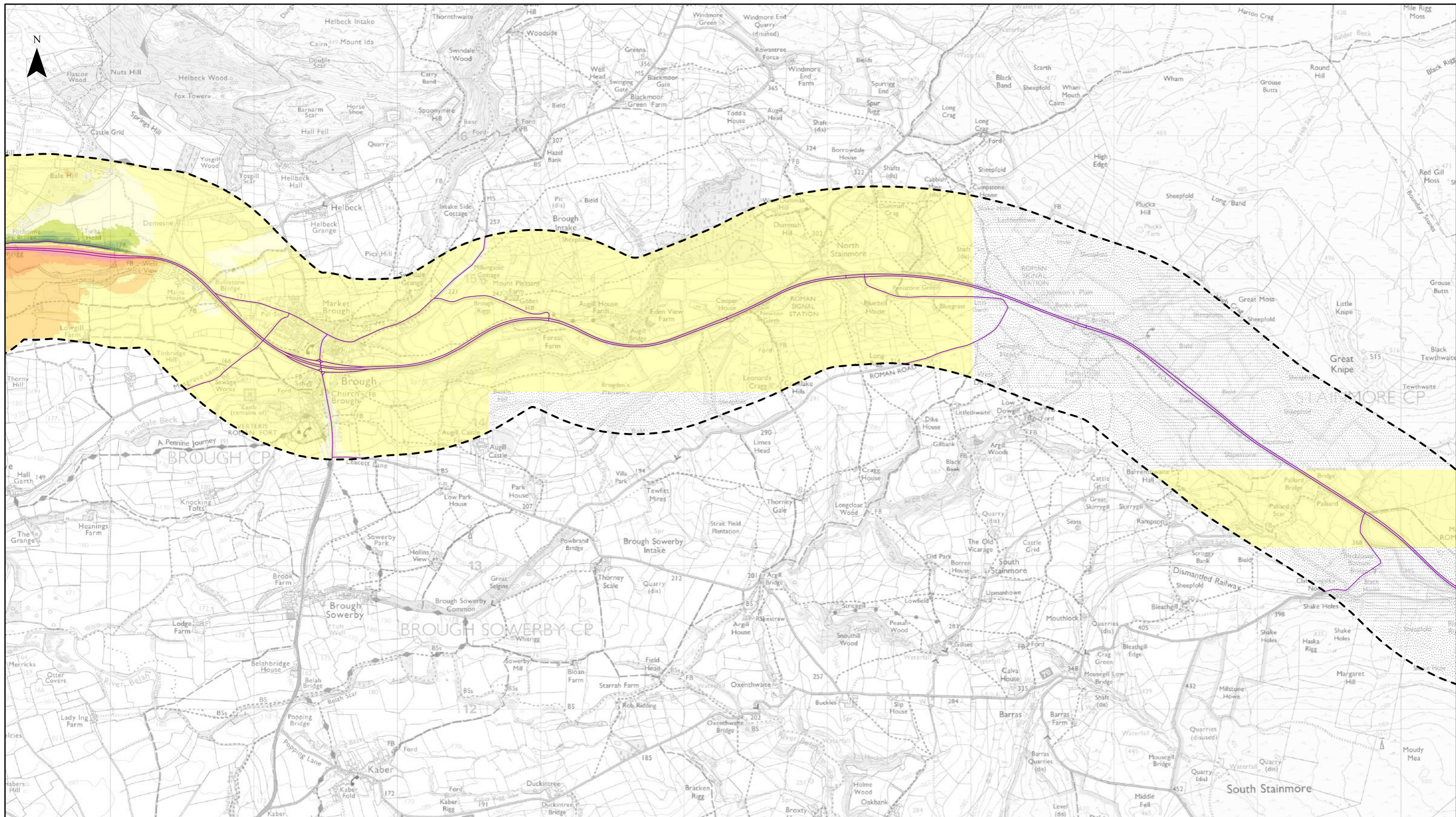
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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.4**  
 EPRA Diff  
**Sheet 5 of 13**  
**Appleby to Brough**

Map Number	Project	Originator	Volume
HE565627	-	AMY	- ENV
S00	-	MP - LN	- 008043
Location	Type	Role	Number

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

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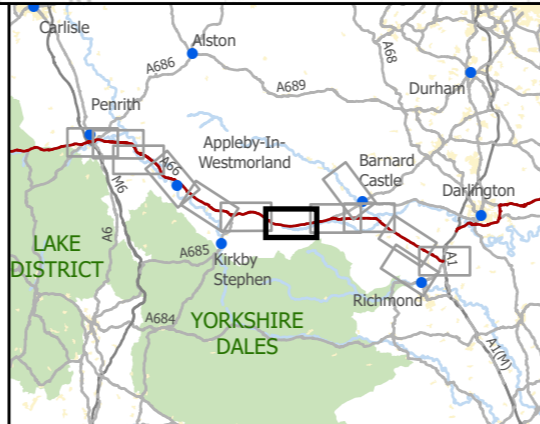
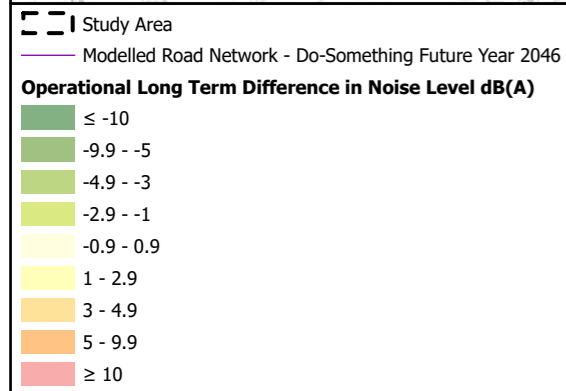
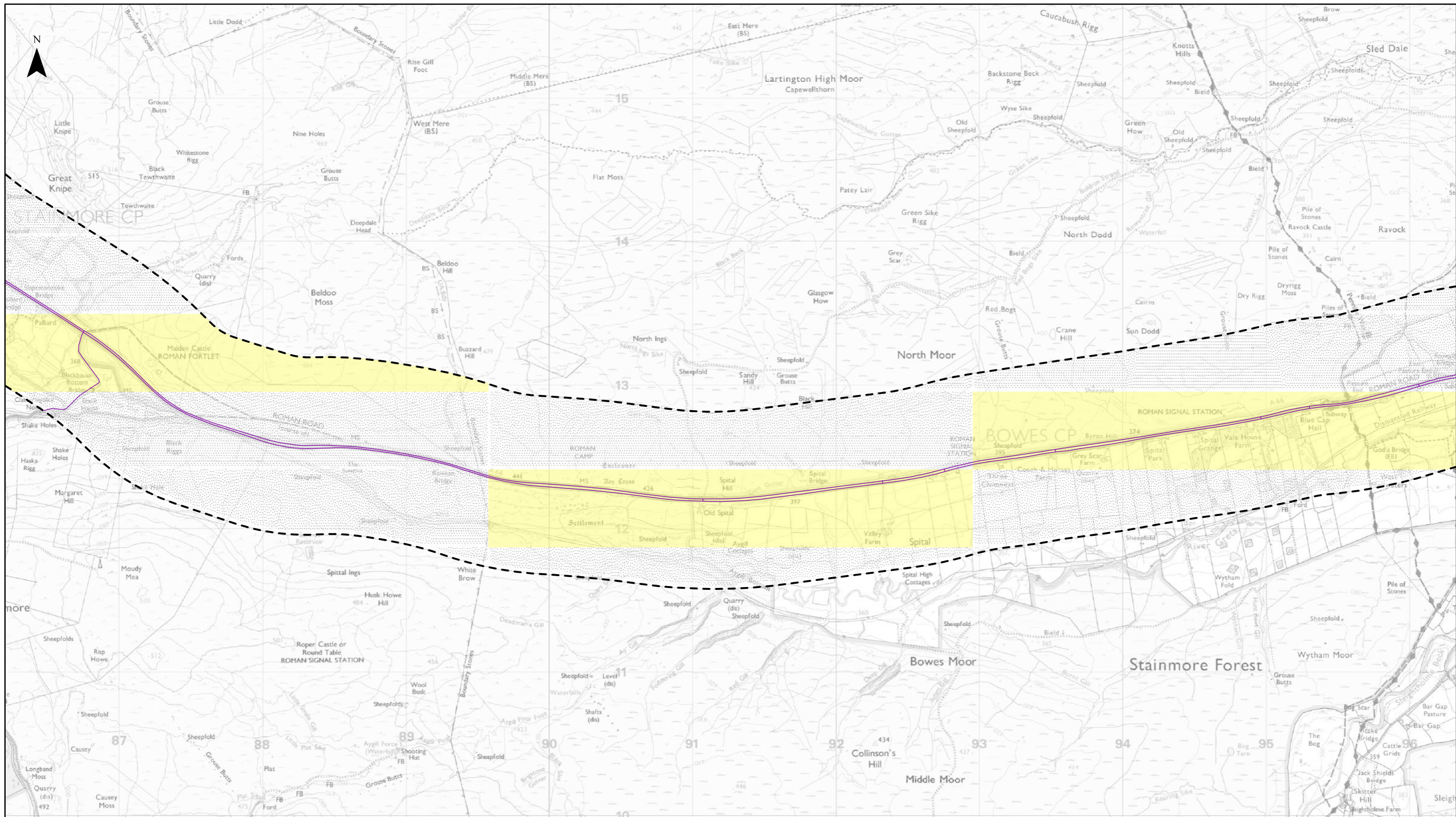
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Map Title  
**Figure 12.4**

EPRA Diff  
**Sheet 6 of 13**

Study Area

Map Number	Project	Originator	Volume
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Location	Type	Role	Number
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**highways england** **A66 NTP** Integrated Project Team

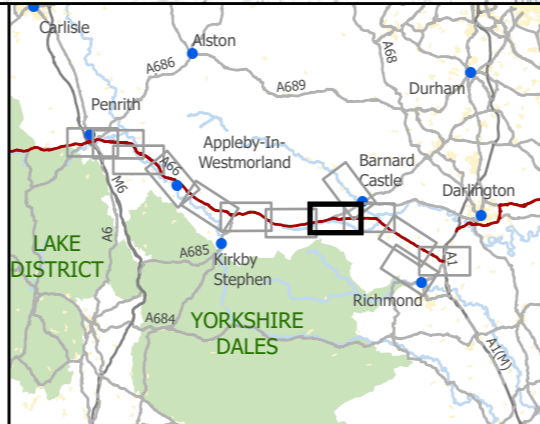
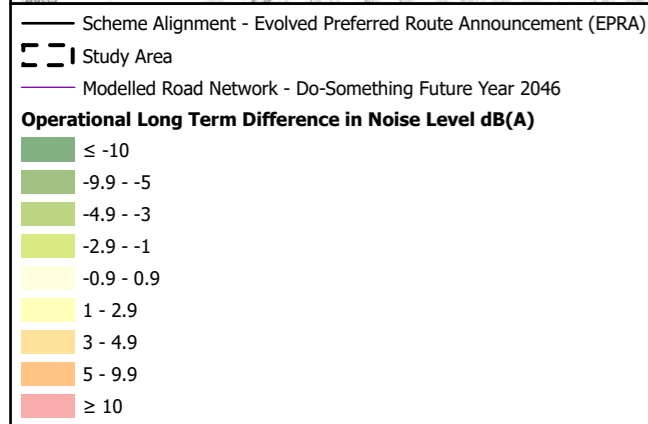
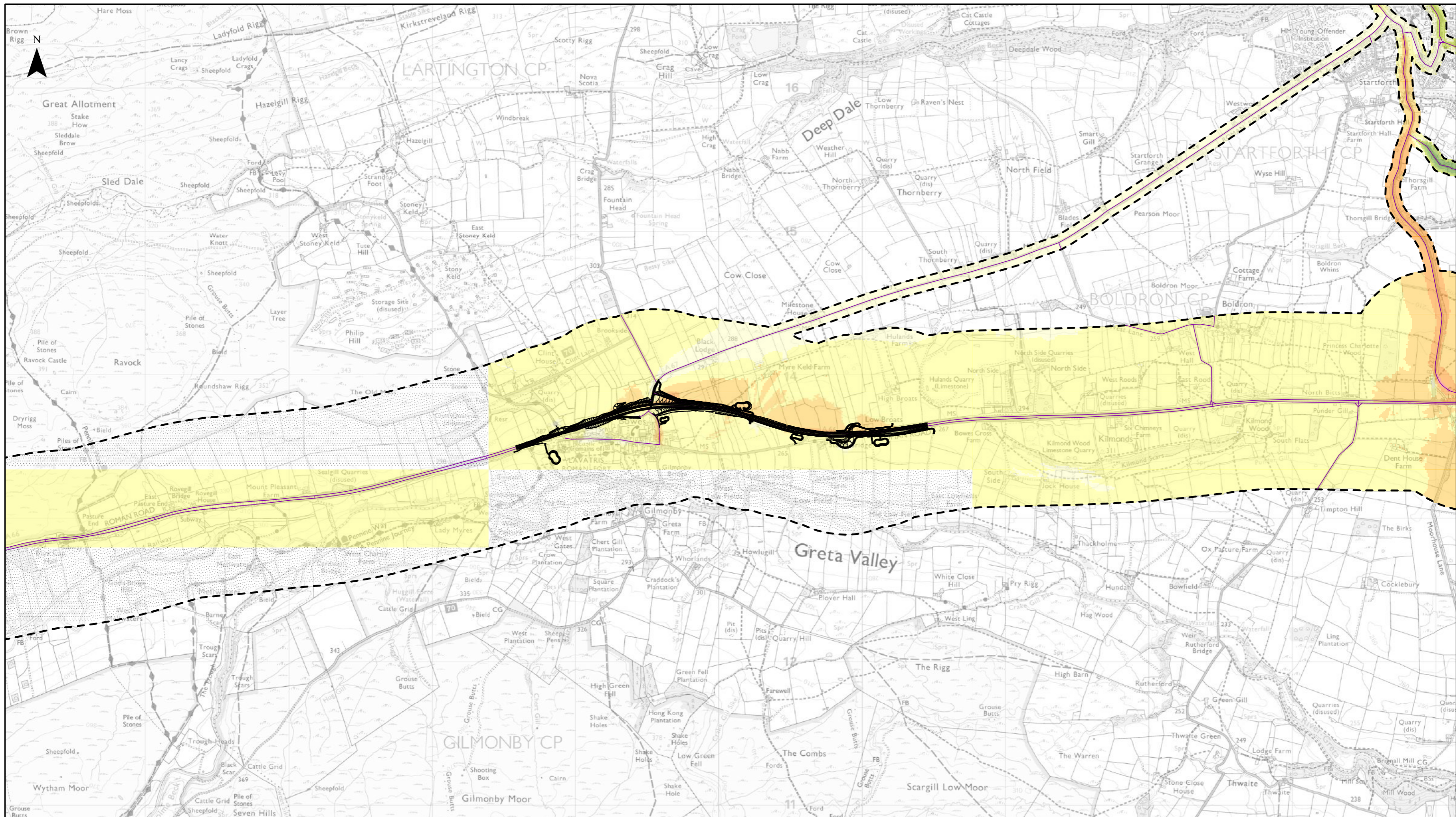
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Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.4</b>			
EPRA Diff <b>Sheet 7 of 13</b>			
Study Area			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
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Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	

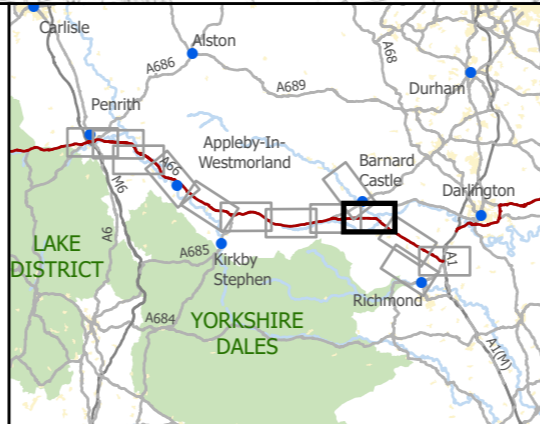
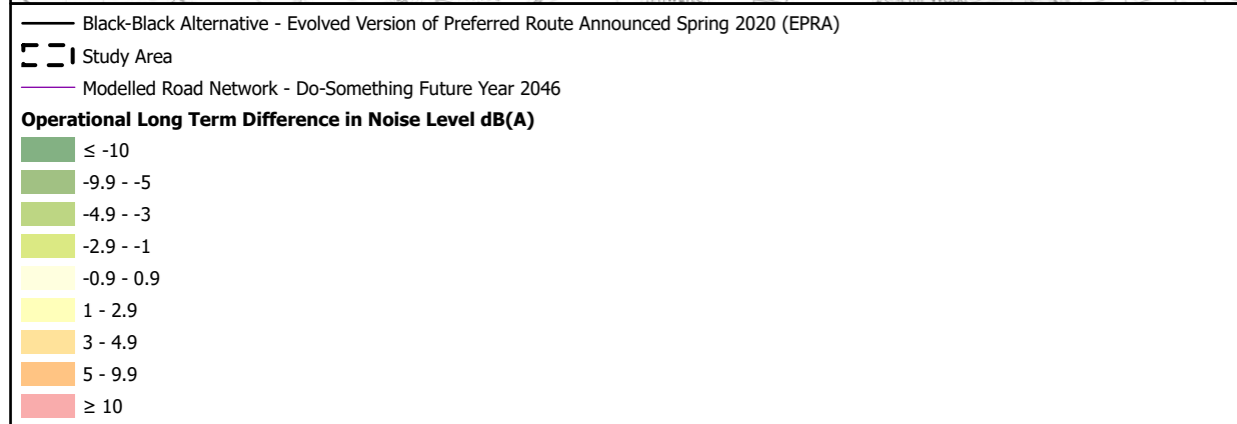
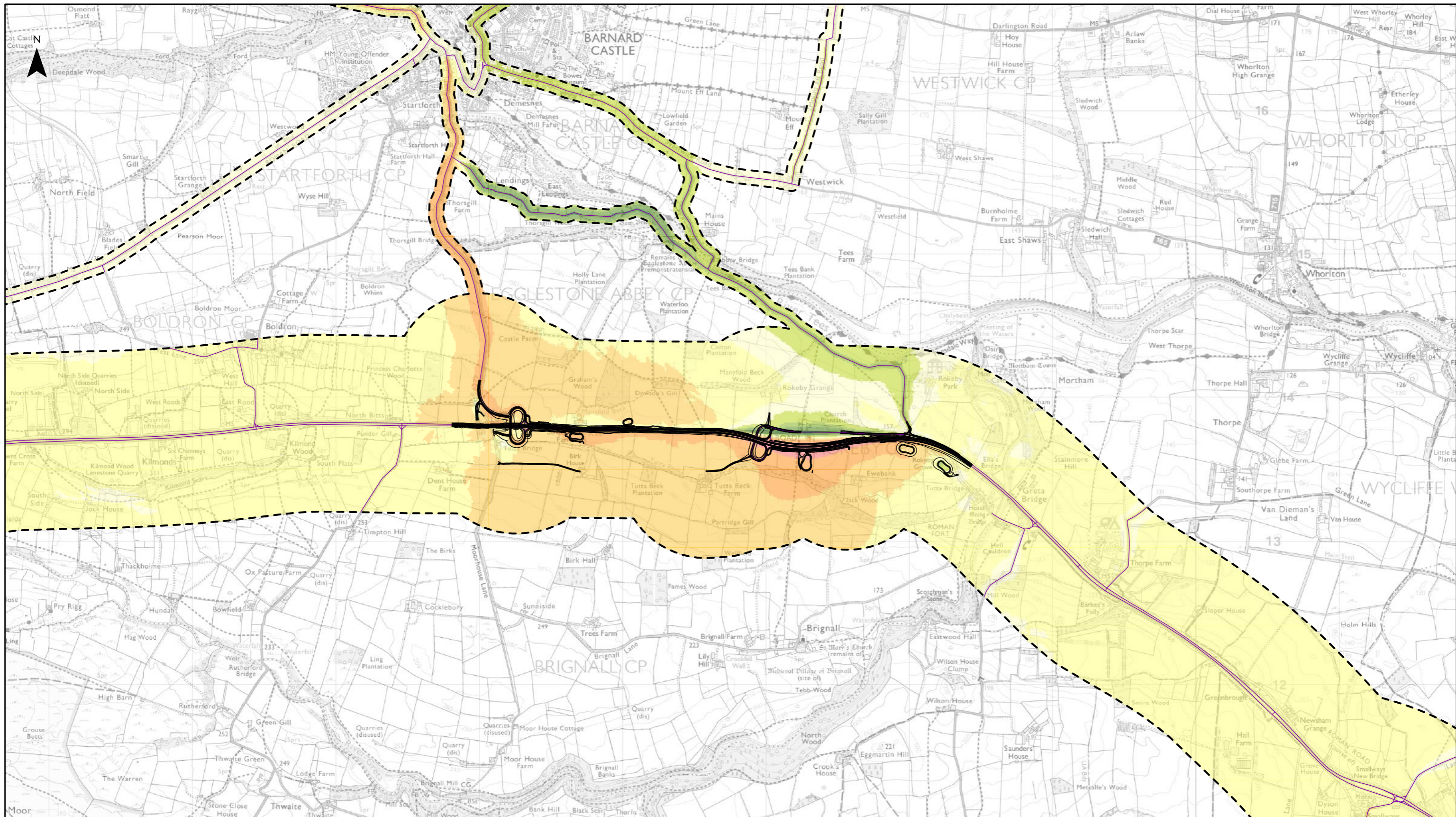


P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.4</b>			
EPRA Diff <b>Sheet 8 of 13</b>			
Bowes Bypass			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008046
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	

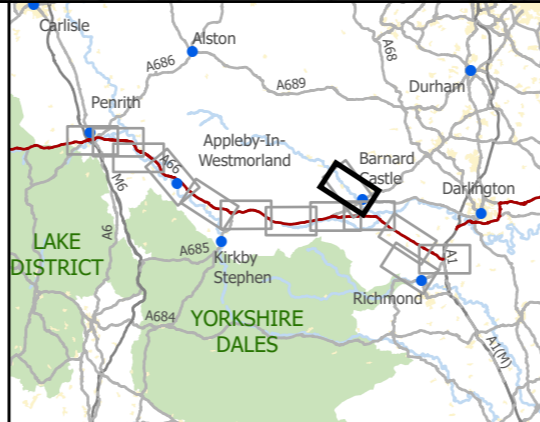
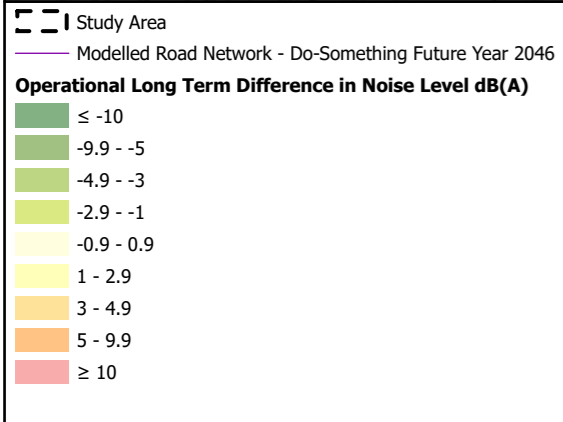
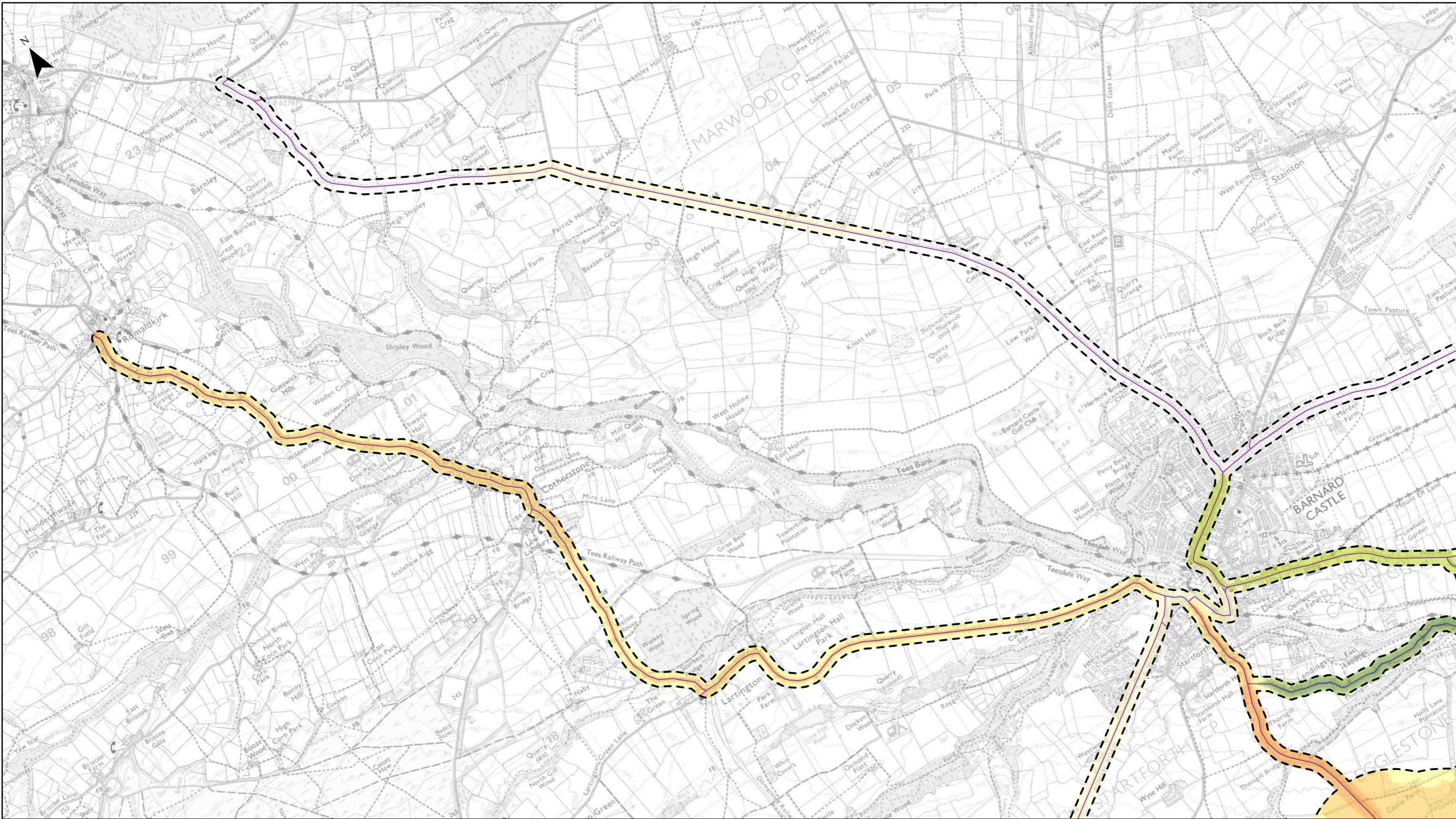




P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.4			
EPRA Diff Sheet 9 of 13			
Cross Lanes to Rokeby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008047
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



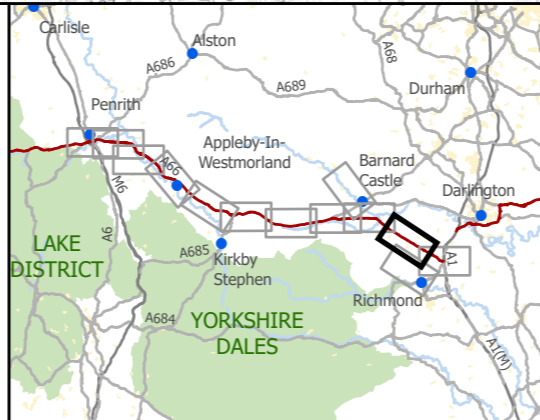
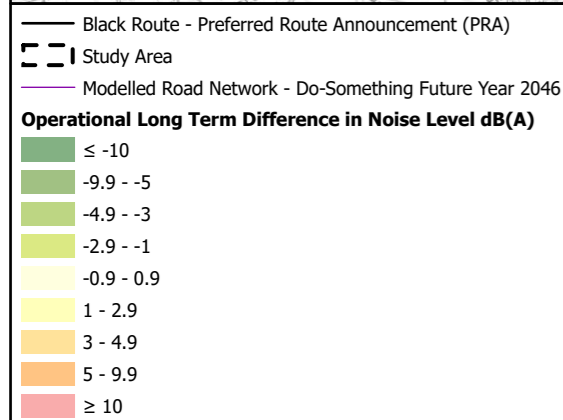
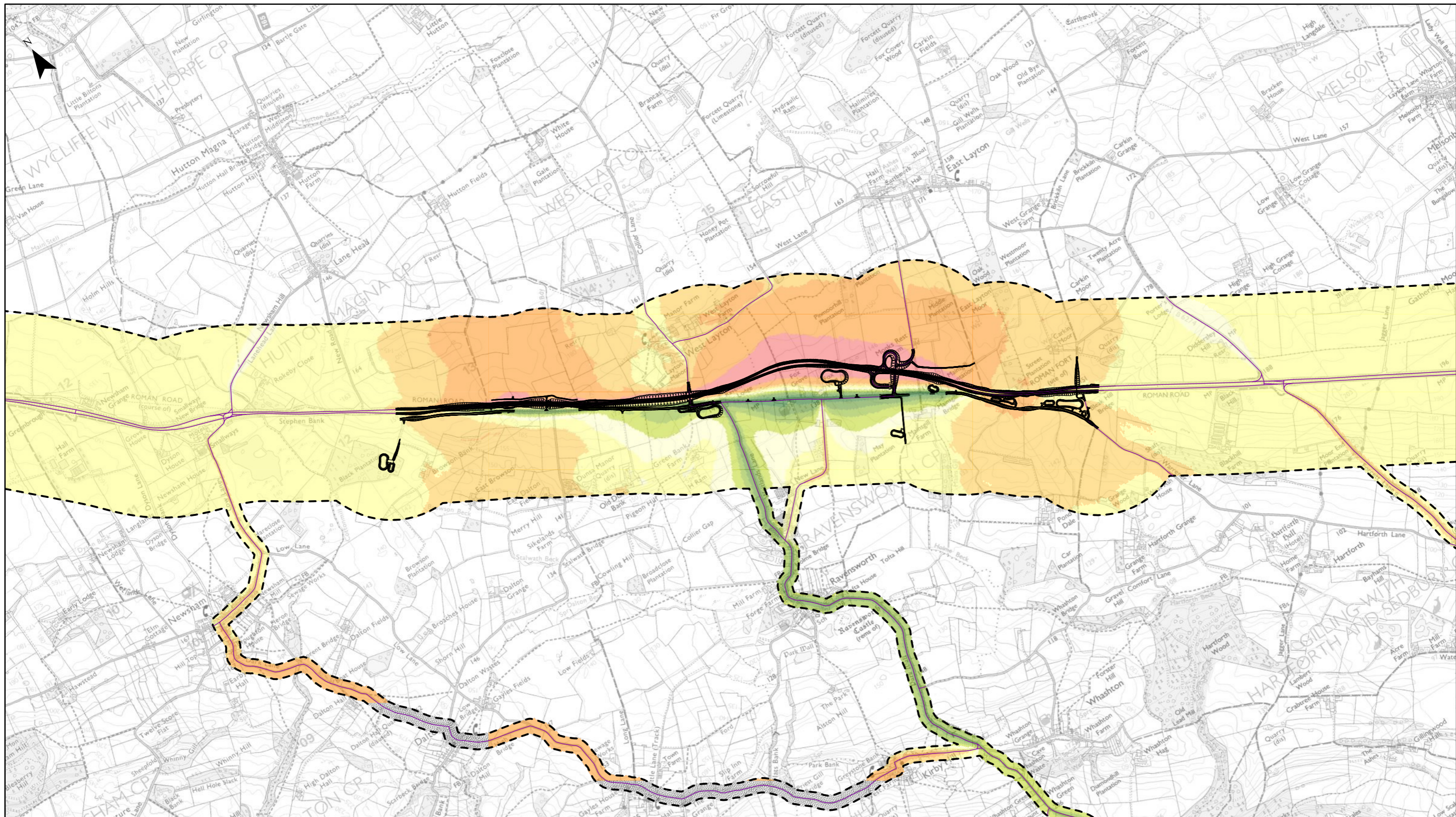
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	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

0 1 2

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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.4			
EPRA Diff Sheet 10 of 13			
Study Area			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008048
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



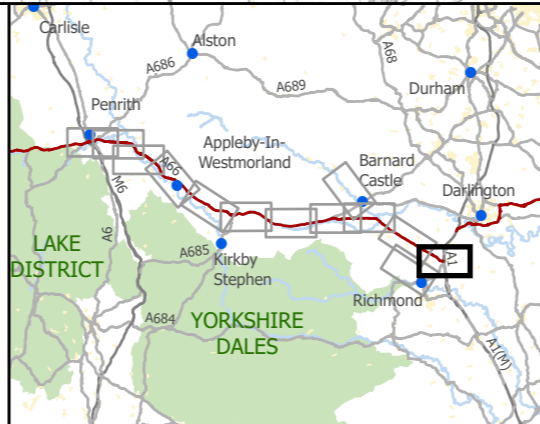
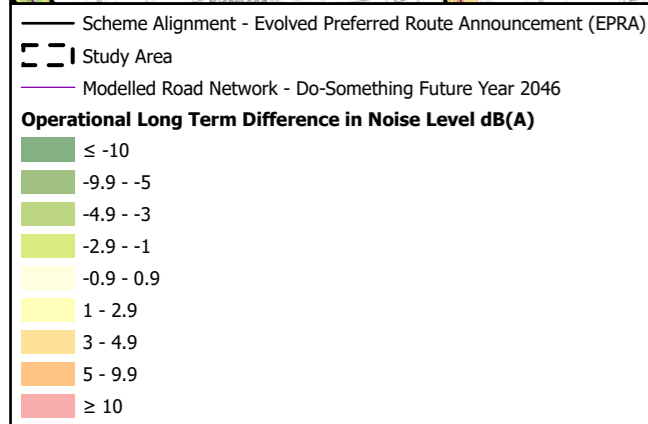
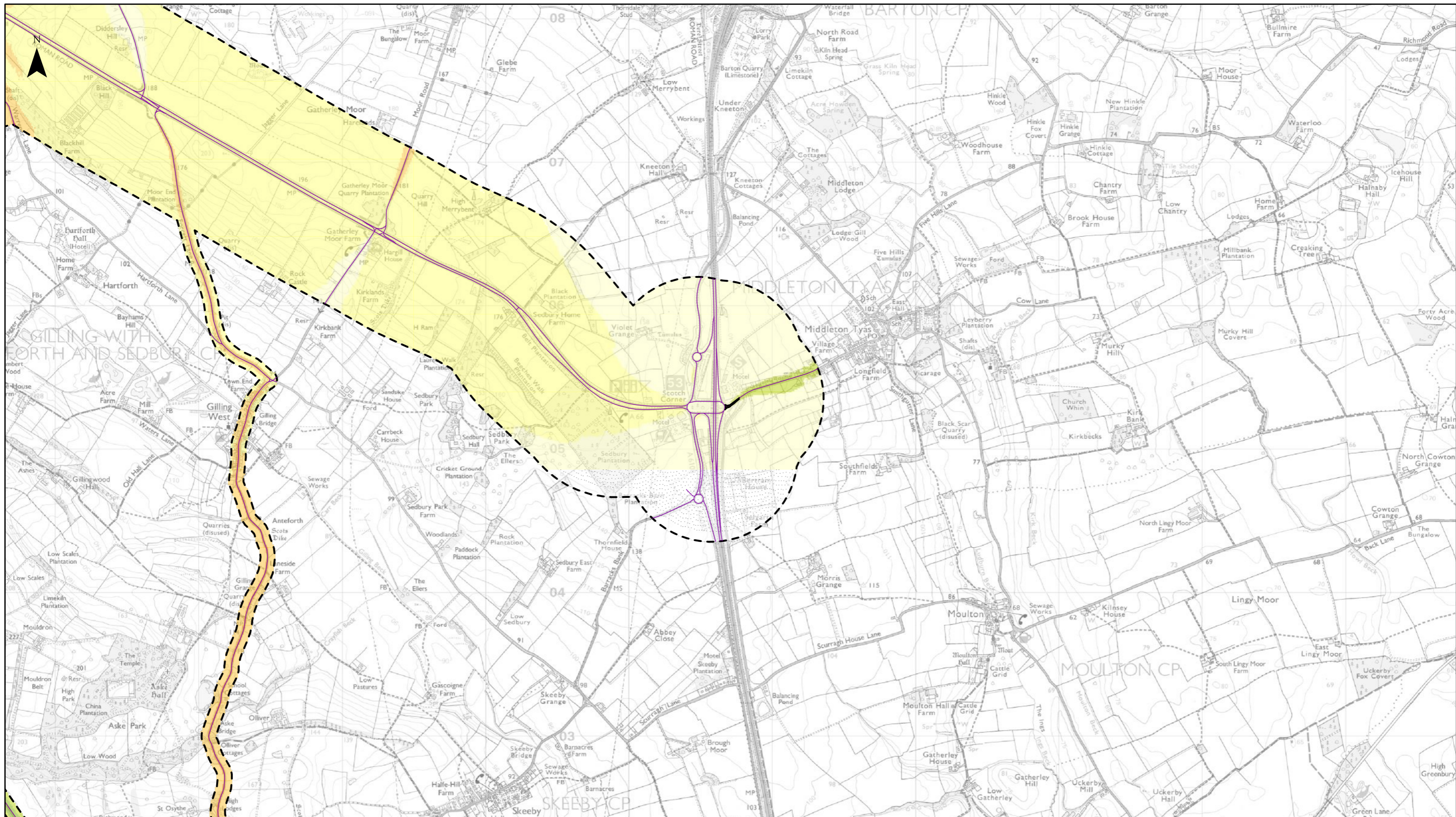
**highways england** **A66 NTP** Integrated Project Team



P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
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Revision	Created	Checked	Reviewed	Approved	Authorised	

0 1 2 Kilometres

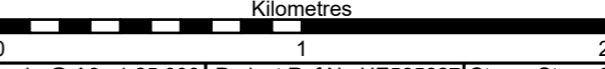
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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.4			
EPRA Diff			
Sheet 11 of 13			
Stephen Bank to Carkin Moor			
Map Number	Originator	Volume	
Project HE565627	AMY	ENV	
S00	MP	LN	008049
Location	Type	Role	Number
Suitability S4	Description FIT FOR STAGE APPROVAL		Revision P01



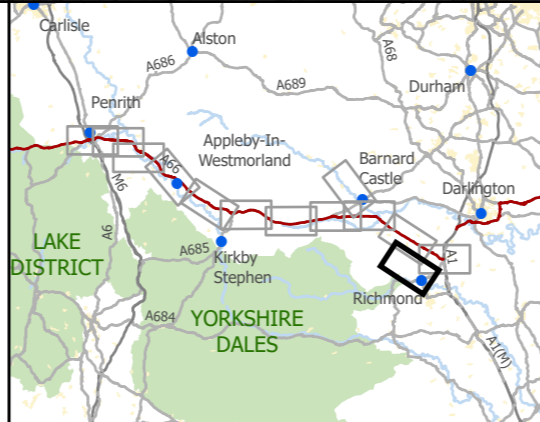
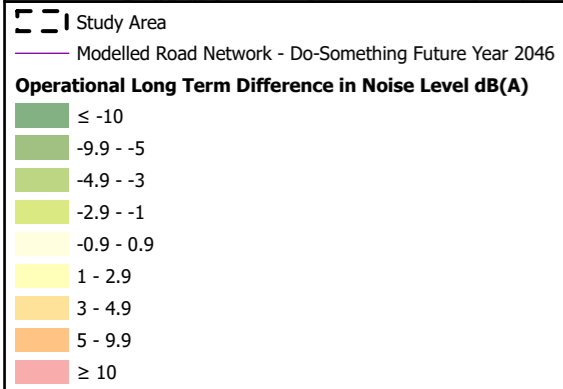



P01	First Issue				
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.4</b>			
EPRA Diff			
Sheet 12 of 13			
<b>A1(M) Junction 53 Scotch Corner</b>			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- ENV
Location		Type	Role
S00		- MP - LN	- 008050
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



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P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.4</b>			
EPRA Diff <b>Sheet 13 of 13</b>			
Study Area			
Map Number	Project	Originator	Volume
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Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

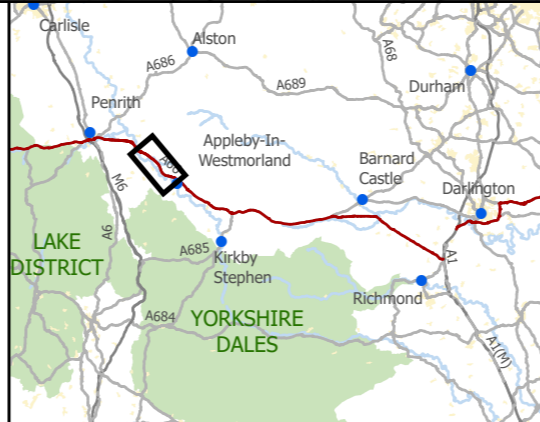


**Study Area**

--- Modelled Road Network - Do-Minimum Opening Year 2031

**Noise Level From Roads in Study Area - Do-Minimum Opening Year 2031**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
≤ 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60

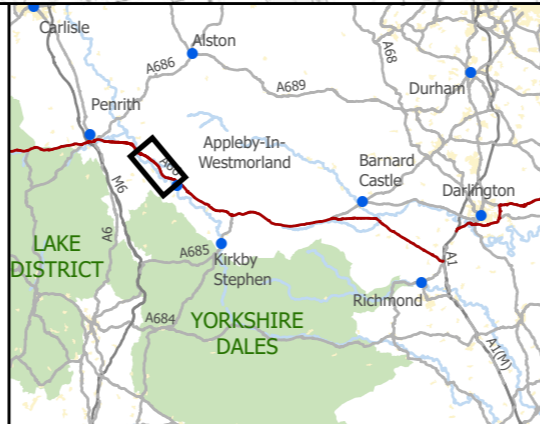
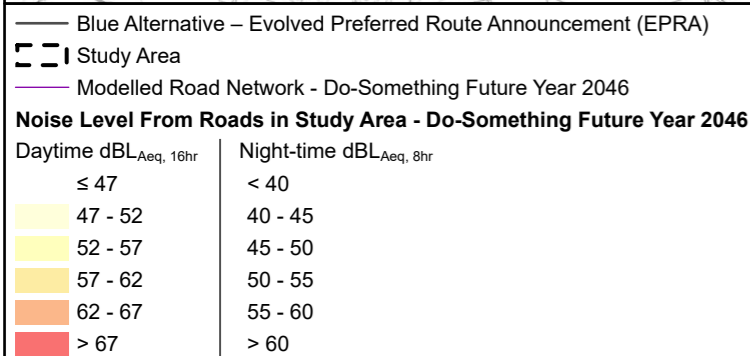
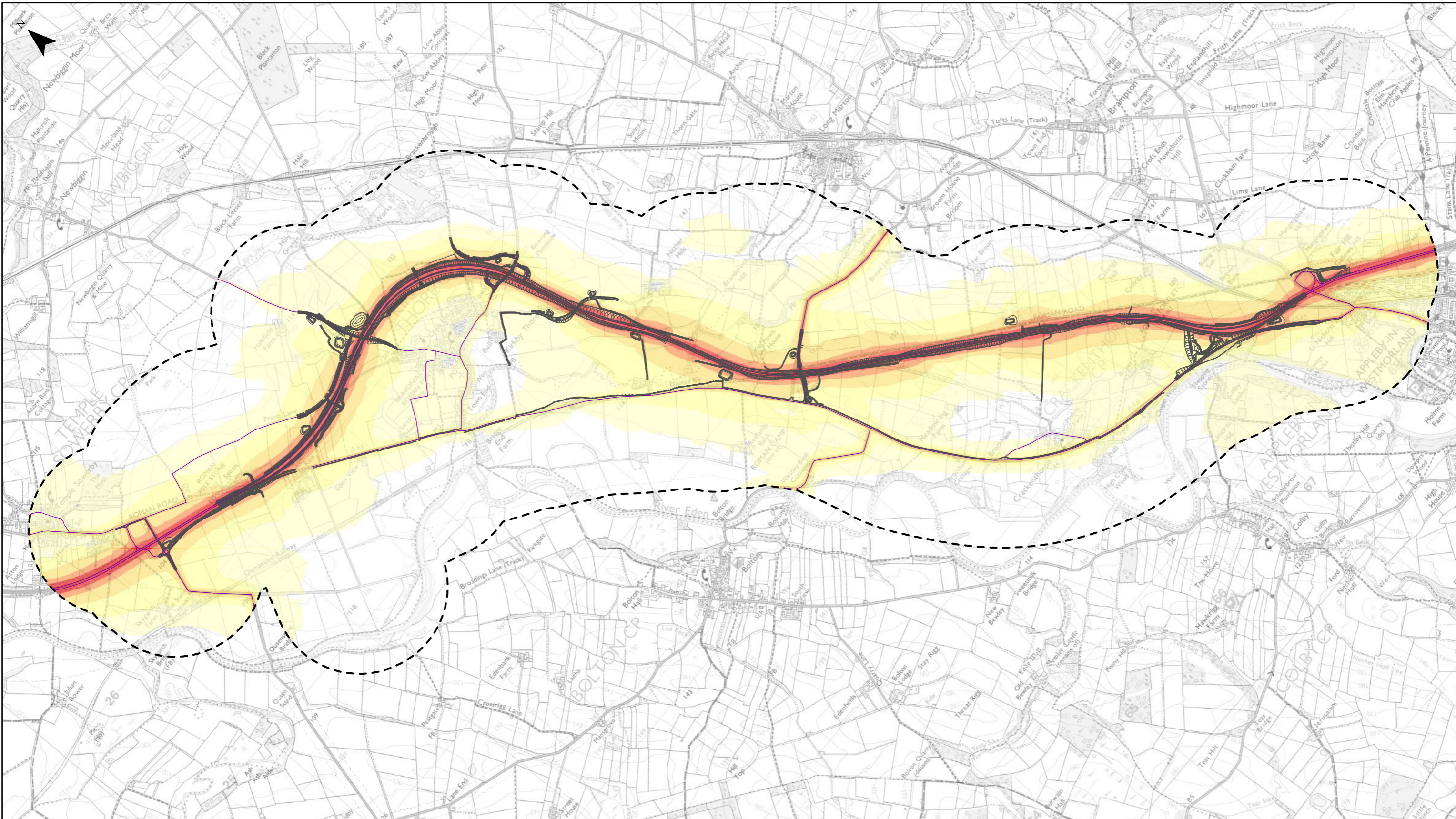


P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
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Revision	Created	Checked	Reviewed	Approved	Authorised

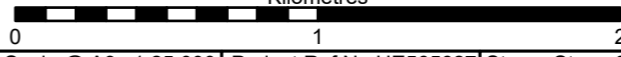
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.5</b>			
<b>0405 DMOY</b>			
<b>Sheet 1 of 1</b>			
<b>Temple Sowerby to Appleby</b>			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- ENV
S00		- MP - LN -	008052
Location		Type	Role
S4		FIT FOR STAGE APPROVAL	Number
			P01

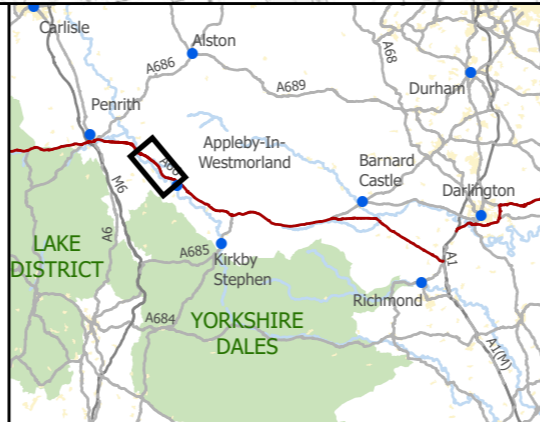
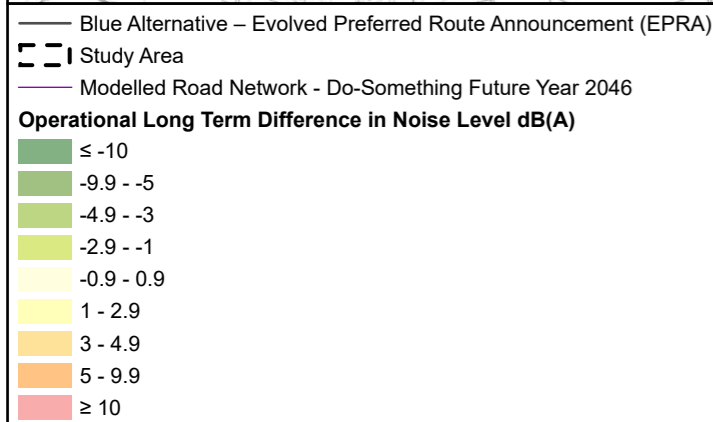
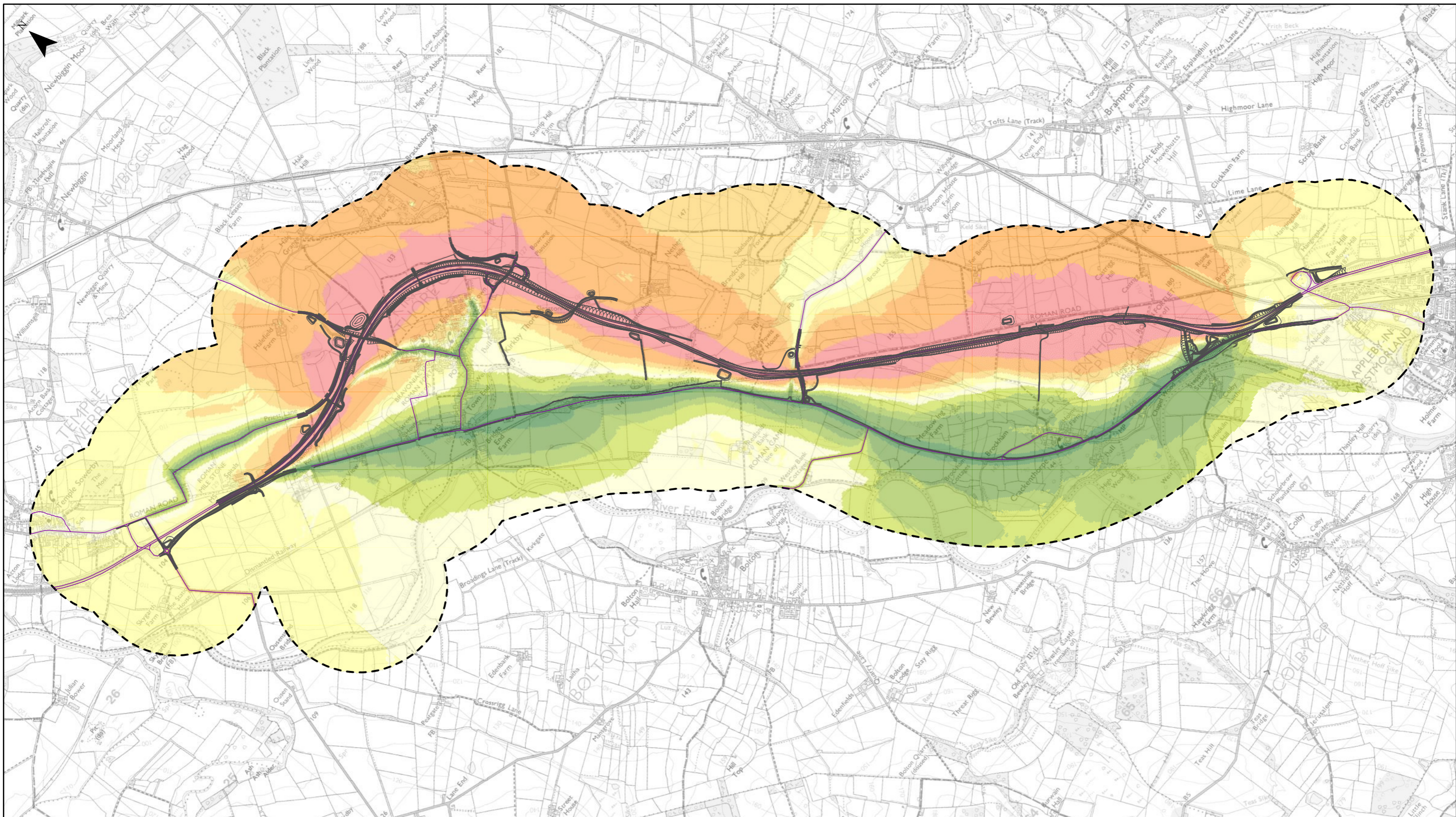


P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised



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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.6</b>			
Sheet 1 of 1			
<b>Temple Sowerby to Appleby</b>			
Map Number Project	Originator	Volume	
HE565627	AMY	ENV	
S00	MP	LN	008053
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01

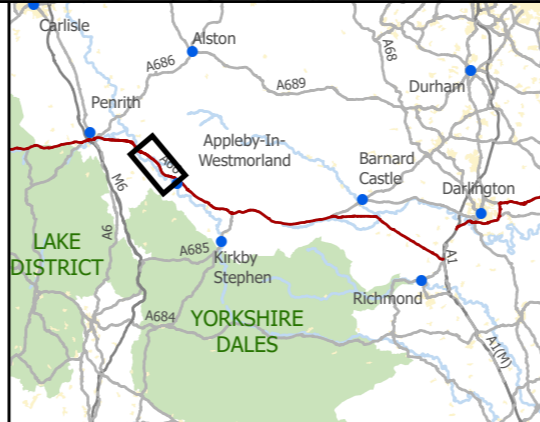
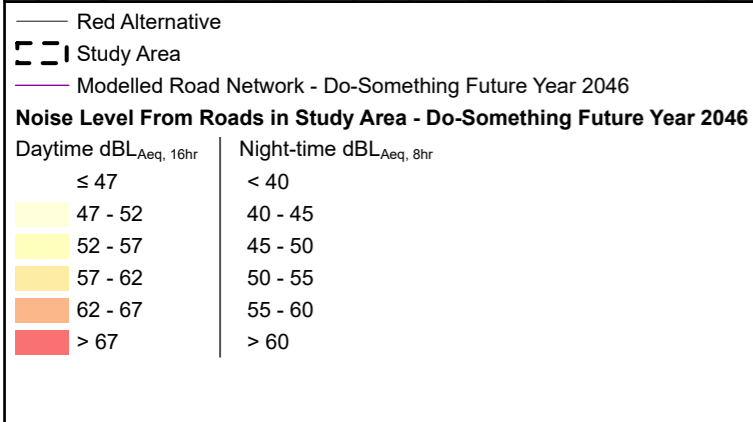
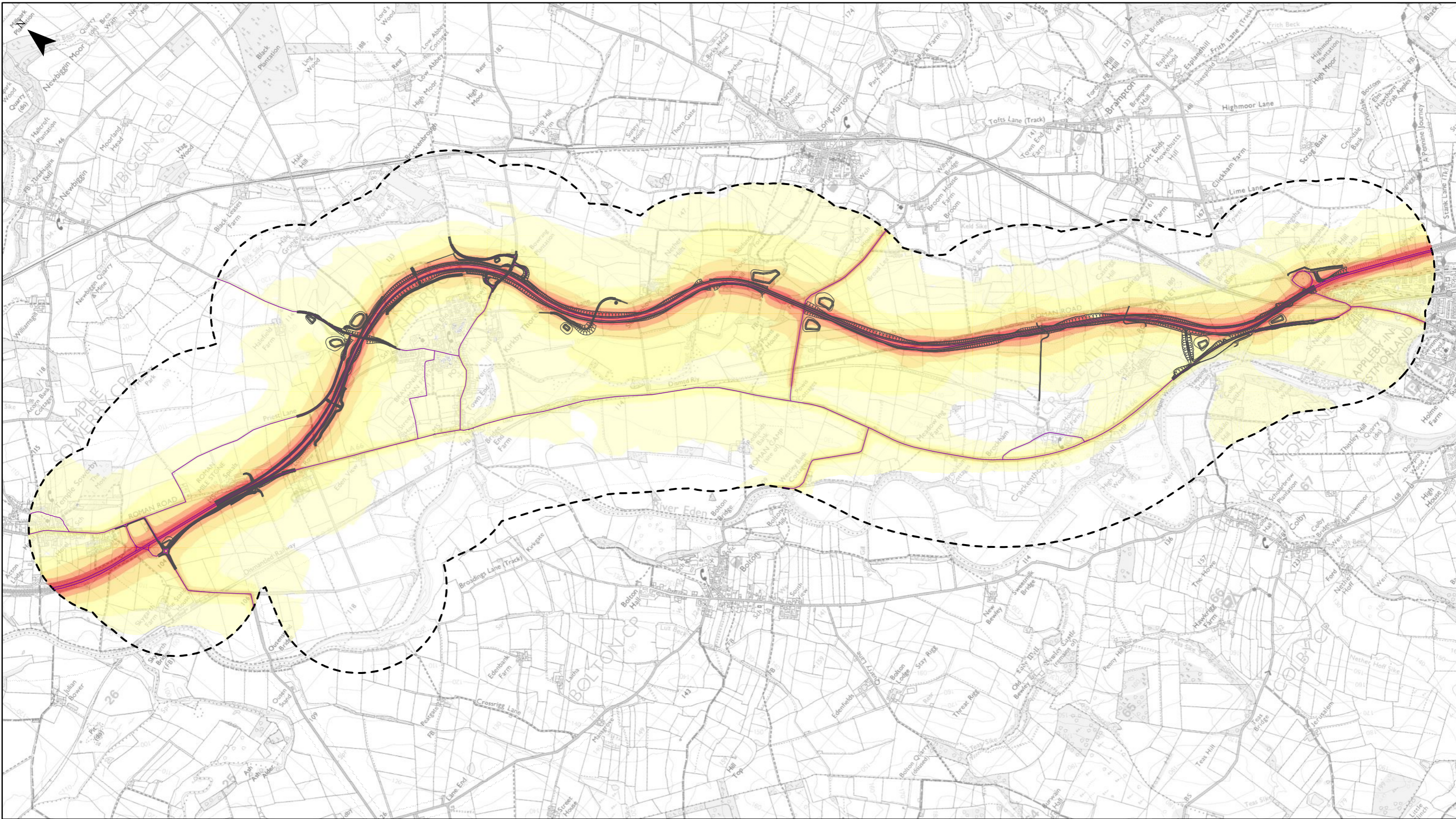


P01	First Issue				
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.7</b>			
0405 Blue Alternative Diff			
Sheet 1 of 1			
<b>Temple Sowerby to Appleby</b>			
Map Number	Project	Originator	Volume
HE565627	-	AMY	ENV
S00		MP	LN
Location		Type	Role
S4		Number	
Suitability		Description	
S4		FIT FOR STAGE APPROVAL	
Revision		P01	





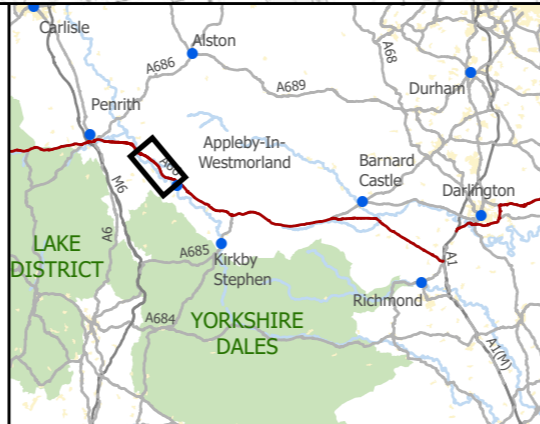
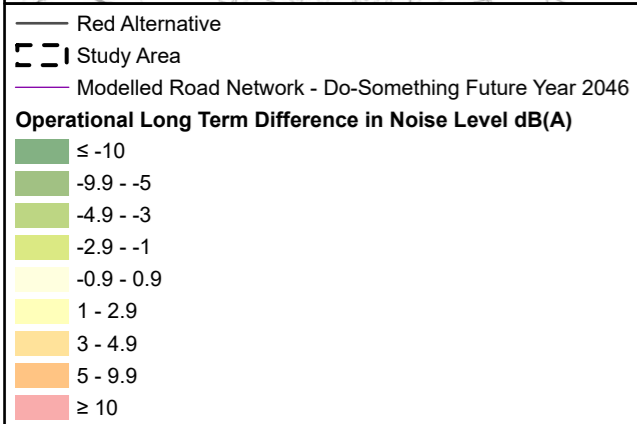
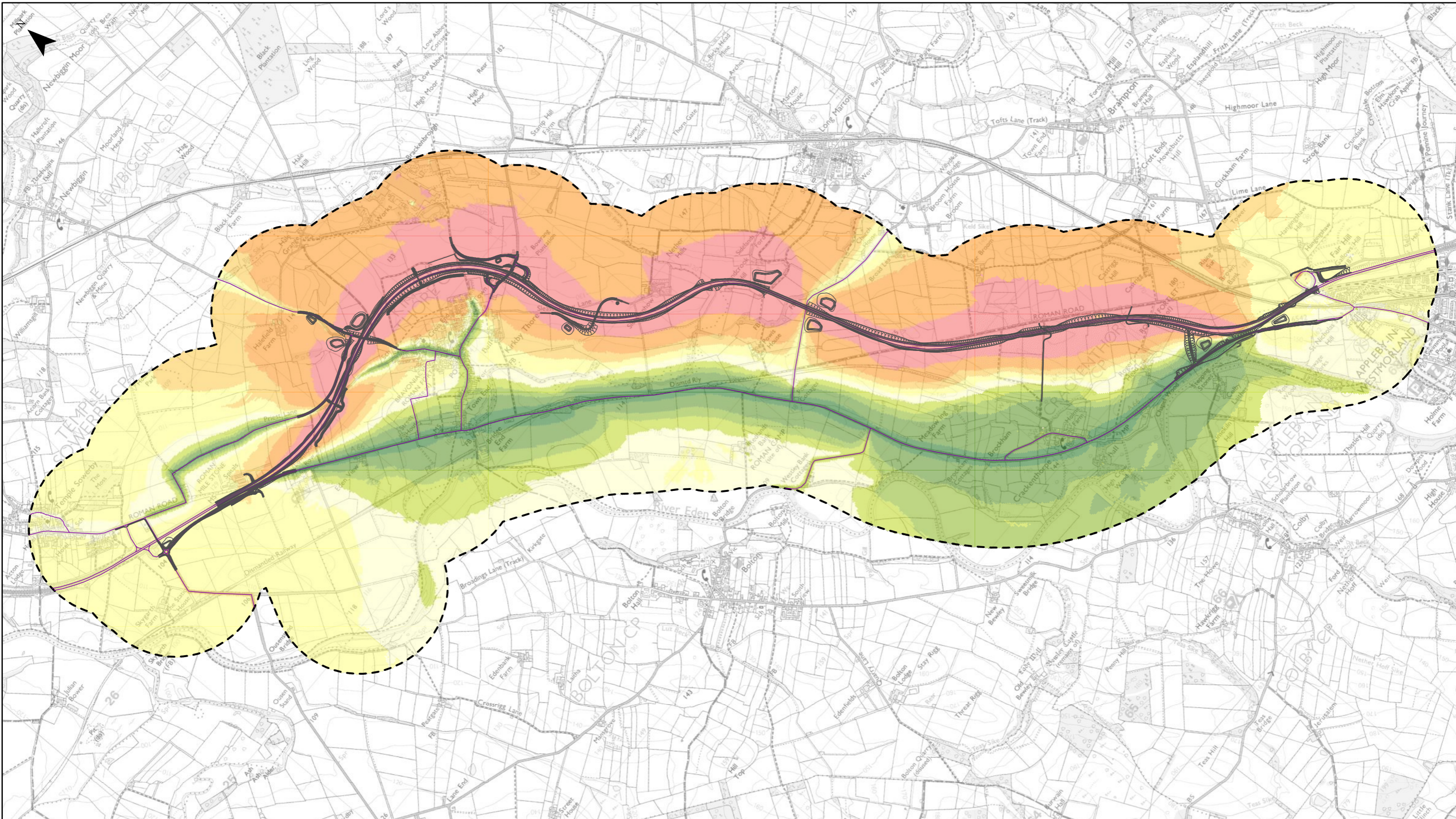
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.8</b>			
0405 Red Alternative DSFY			
Sheet 1 of 1			
Temple Sowerby to Appleby			
Map Number	Project	Originator	Volume
HE565627	-	AMY	ENV
S00	-	MP - LN	- 008055
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



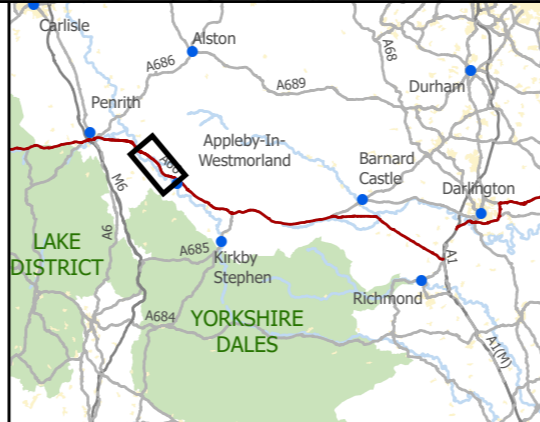
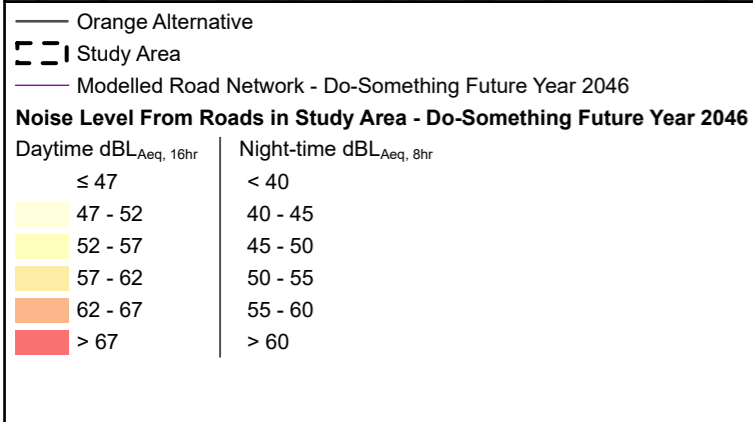
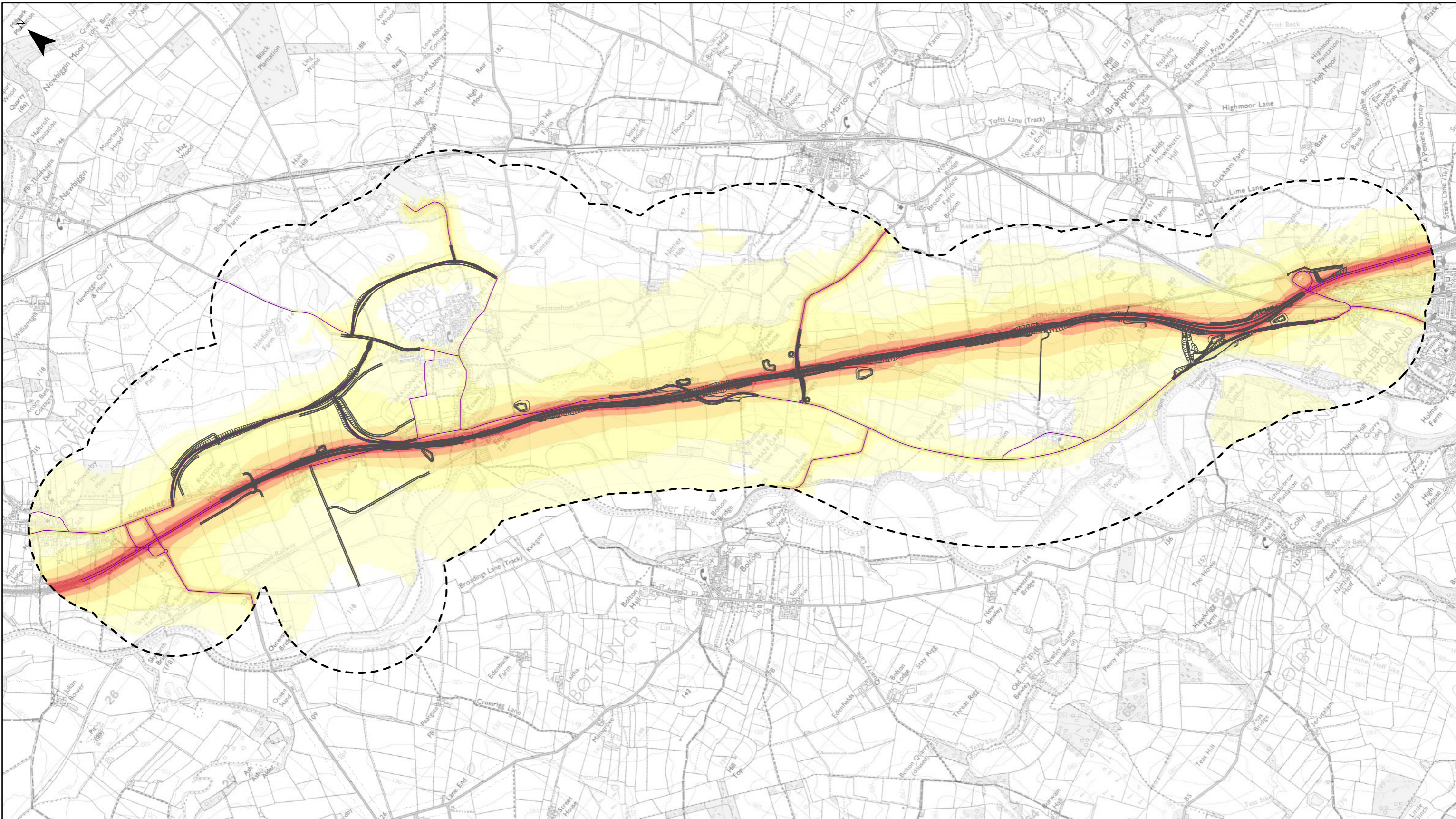
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.9</b>			
<b>0405 Red Alternative Diff</b>			
<b>Sheet 1 of 1</b>			
<b>Temple Sowerby to Appleby</b>			
Map Number	Project	Originator	Volume
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S00		- MP - LN -	008056
Location		Type	Role
S4		FIT FOR STAGE APPROVAL	Number
			P01



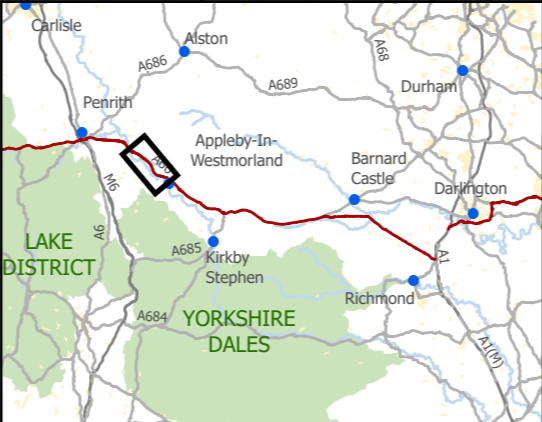
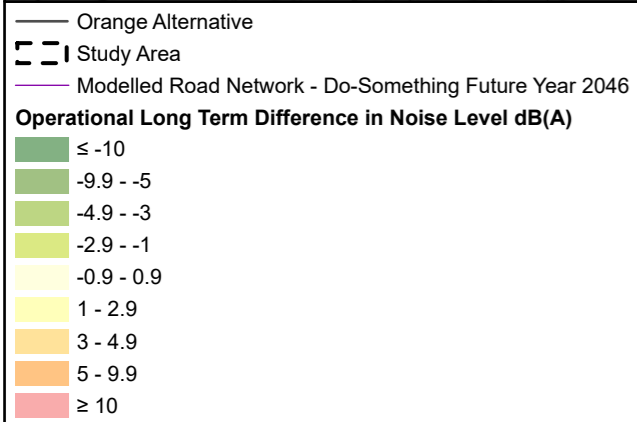
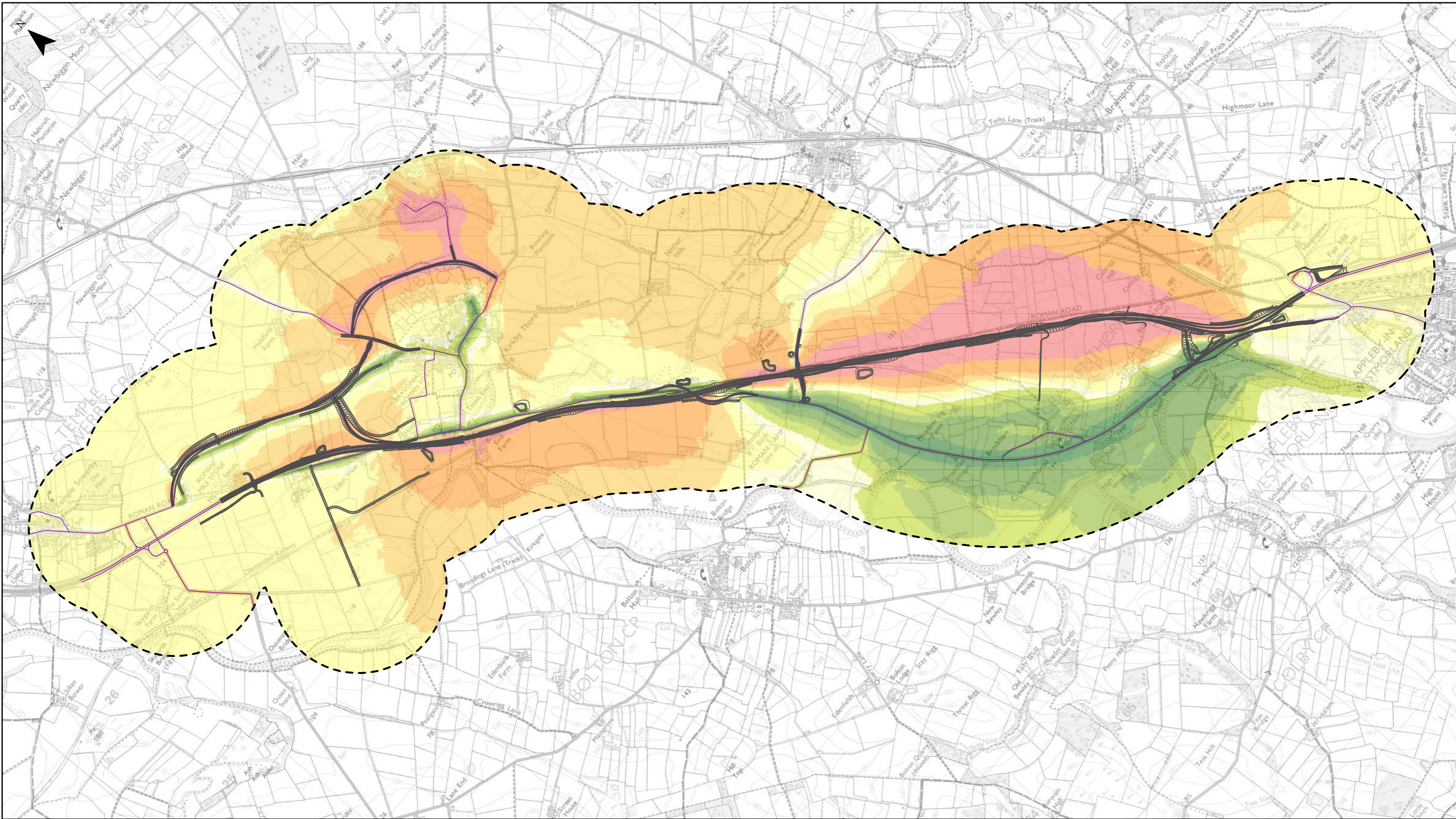
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres  
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Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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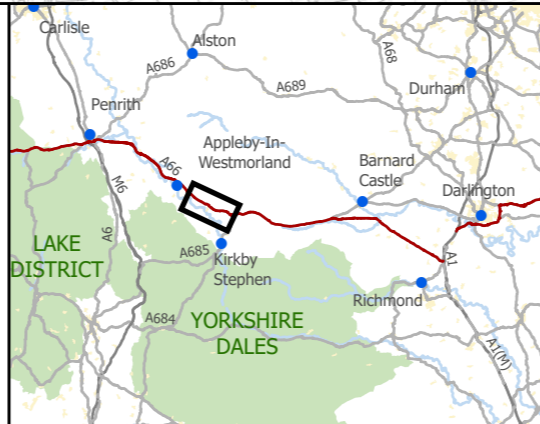
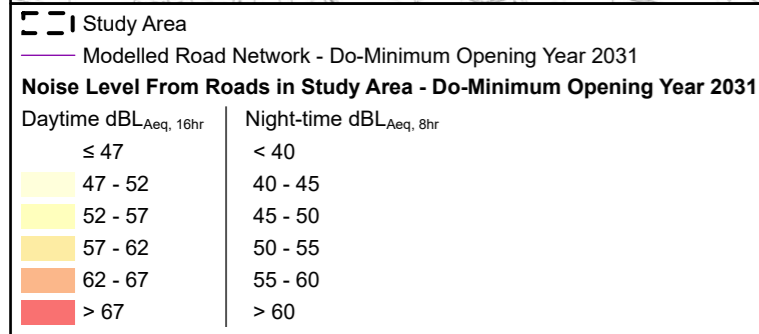
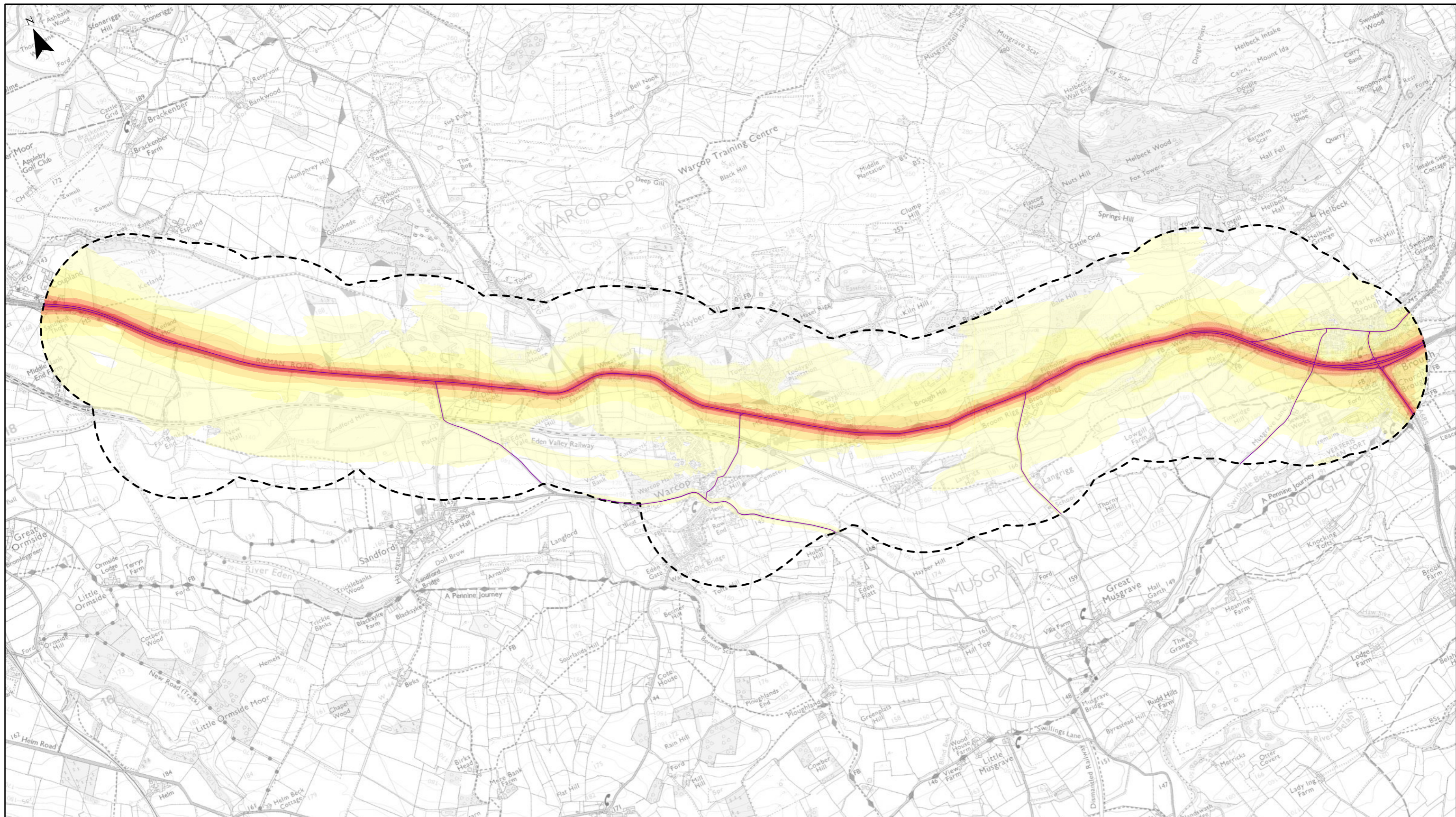
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Map Title <b>Figure 12.10</b>			
0405 Orange Alternative DSFY			
Sheet 1 of 1			
Temple Sowerby to Appleby			
Map Number	Project	Originator	Volume
HE565627	-	AMY	ENV
S00		- MP - LN - 008057	
Location		Type	Role
S4		Number	
Suitability		Revision	
S4		P01	
Suitability Description <b>FIT FOR STAGE APPROVAL</b>			



P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.11</b>			
0405 Orange Alternative Diff			
Sheet 1 of 1			
Temple Sowerby to Appleby			
Map Number	Project	Originator	Volume
HE565627	-	AMY	ENV
S00	-	MP - LN	- 008058
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



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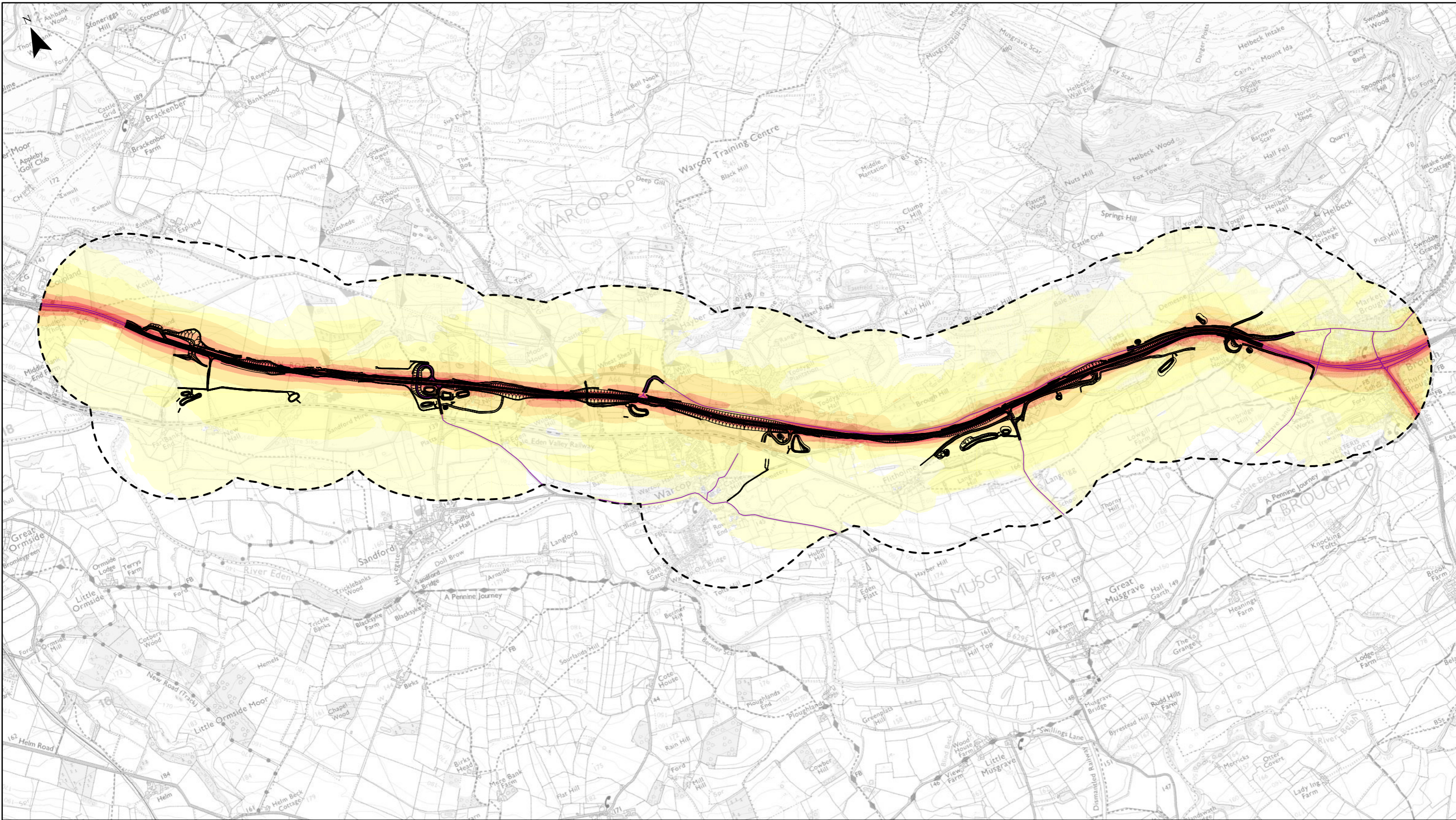
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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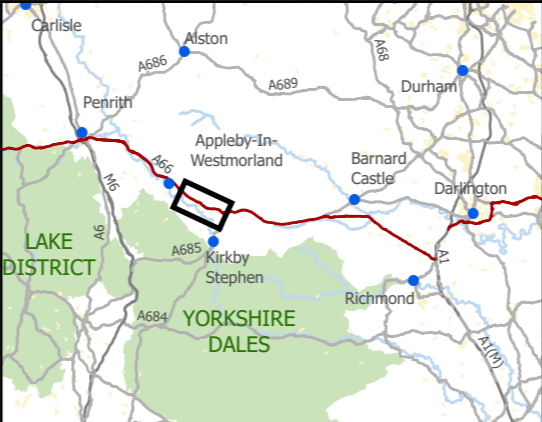
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Map Title <b>Figure 12.12</b>			
06 DMOY			
Sheet 1 of 1			
Appleby to Brough			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008059
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



— Black-Black-Black Alternative – Evolved Preferred Route Announcement (EPRA)  
 - - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**  
 Daytime dBL<sub>Aeq, 16hr</sub>    Night-time dBL<sub>Aeq, 8hr</sub>

< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



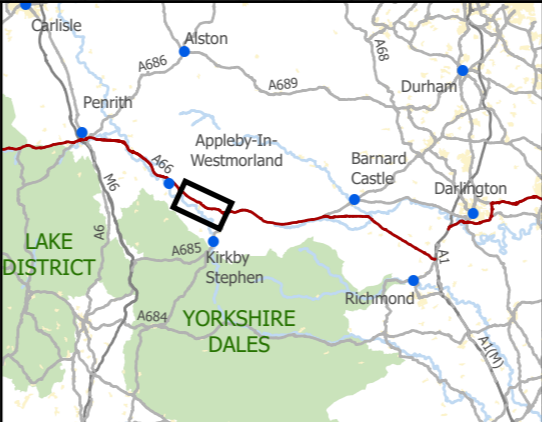
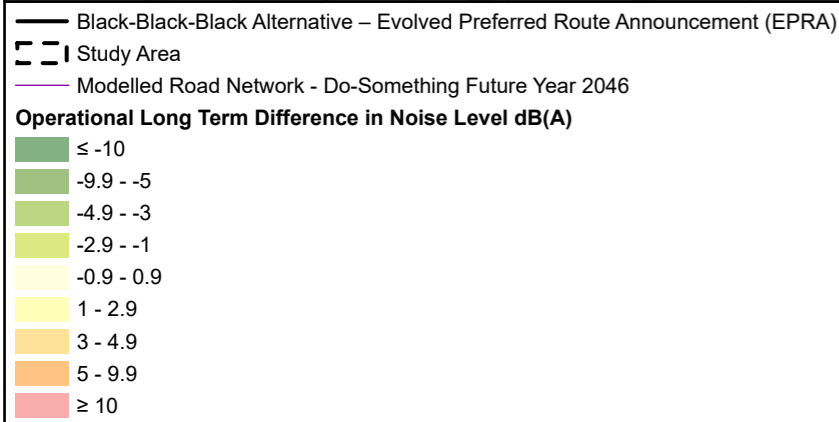
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Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.13**  
**06 Black-Black-Black Alternative DSFY**  
**Sheet 1 of 1**  
**Appleby to Brough**

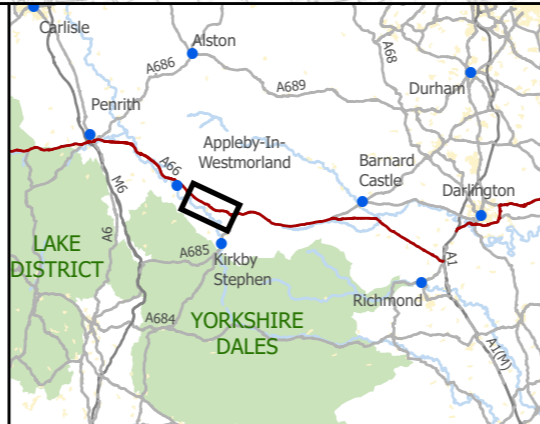
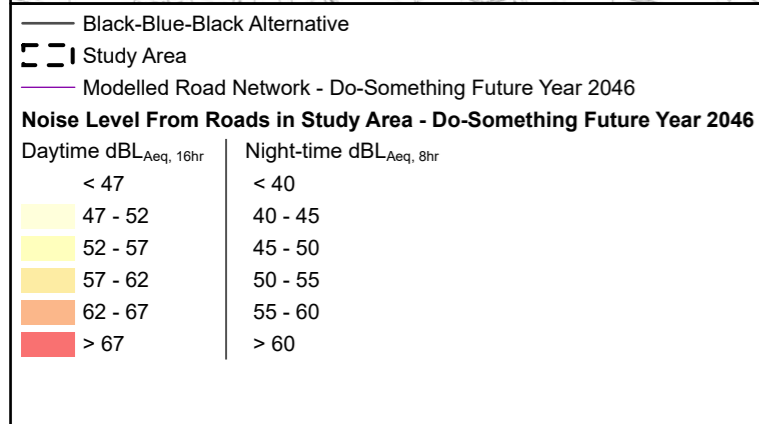
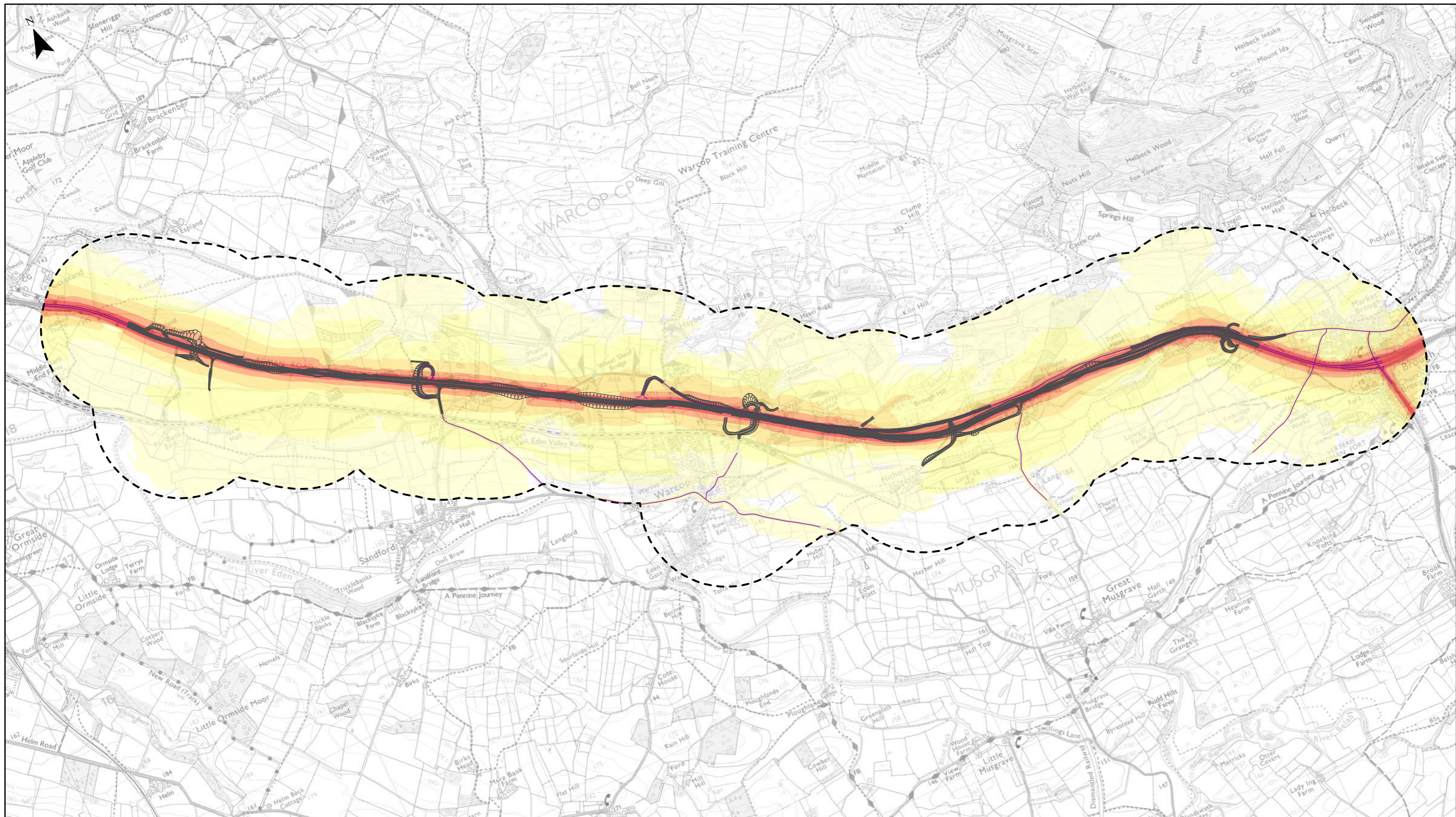
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S00	-	MP - LN	-
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.14			
06 Black-Black-Black Alternative Diff			
Sheet 1 of 1			
Appleby to Brough			
Map Number	Project	Originator	Volume
HE565627	-	AMY	- ENV
S00	-	MP - LN	- 008061
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



**highways england** **A66 NTP** Integrated Project Team

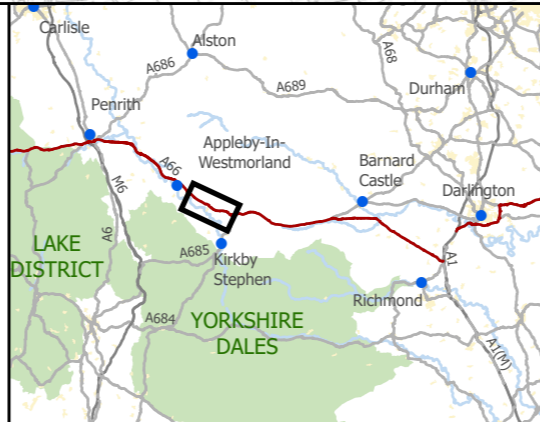
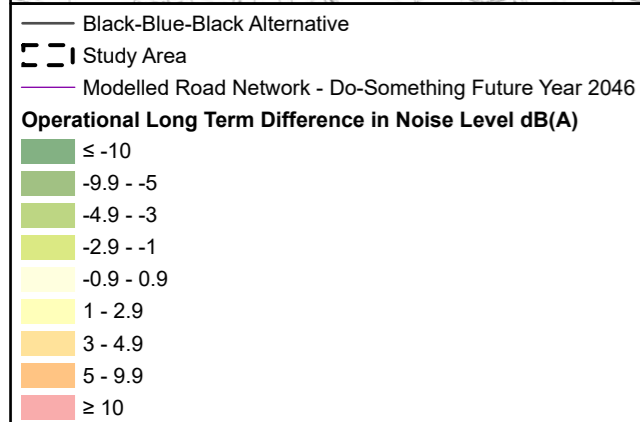
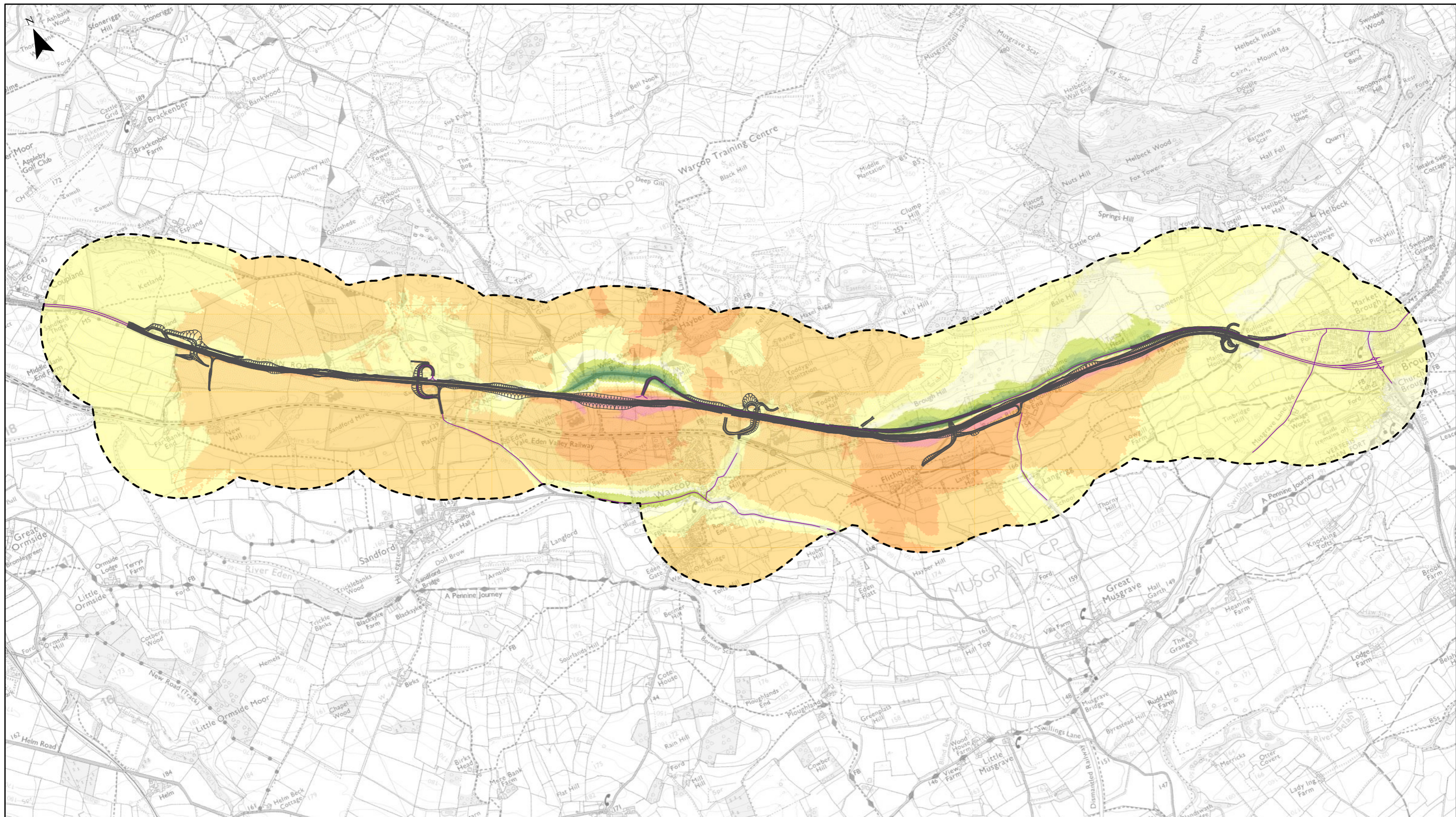
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	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

0 1 2 Kilometres

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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.15</b>			
06 Black-Blue-Black Alternative DSFY			
Sheet 1 of 1			
Appleby to Brough			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LN	-
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01





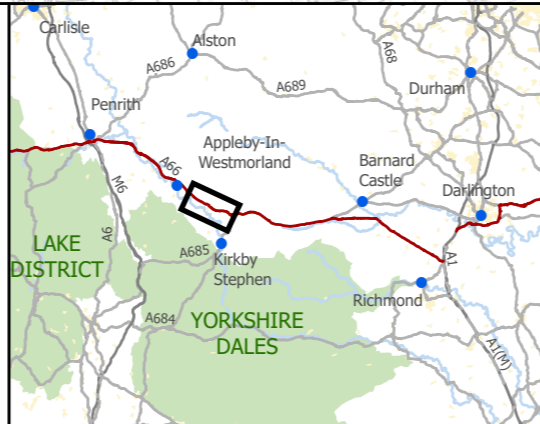
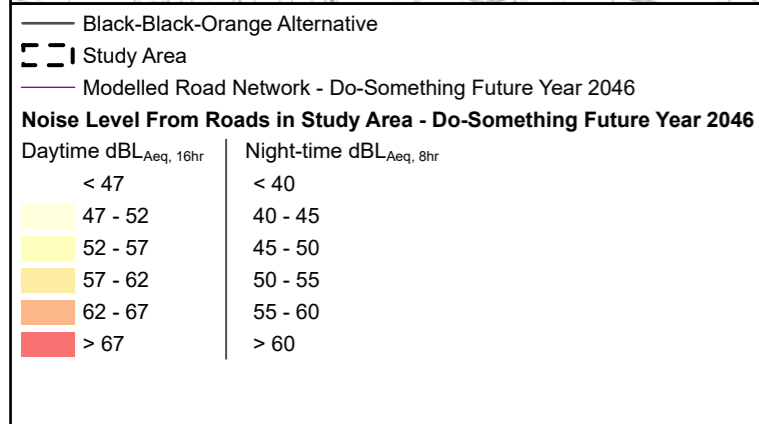
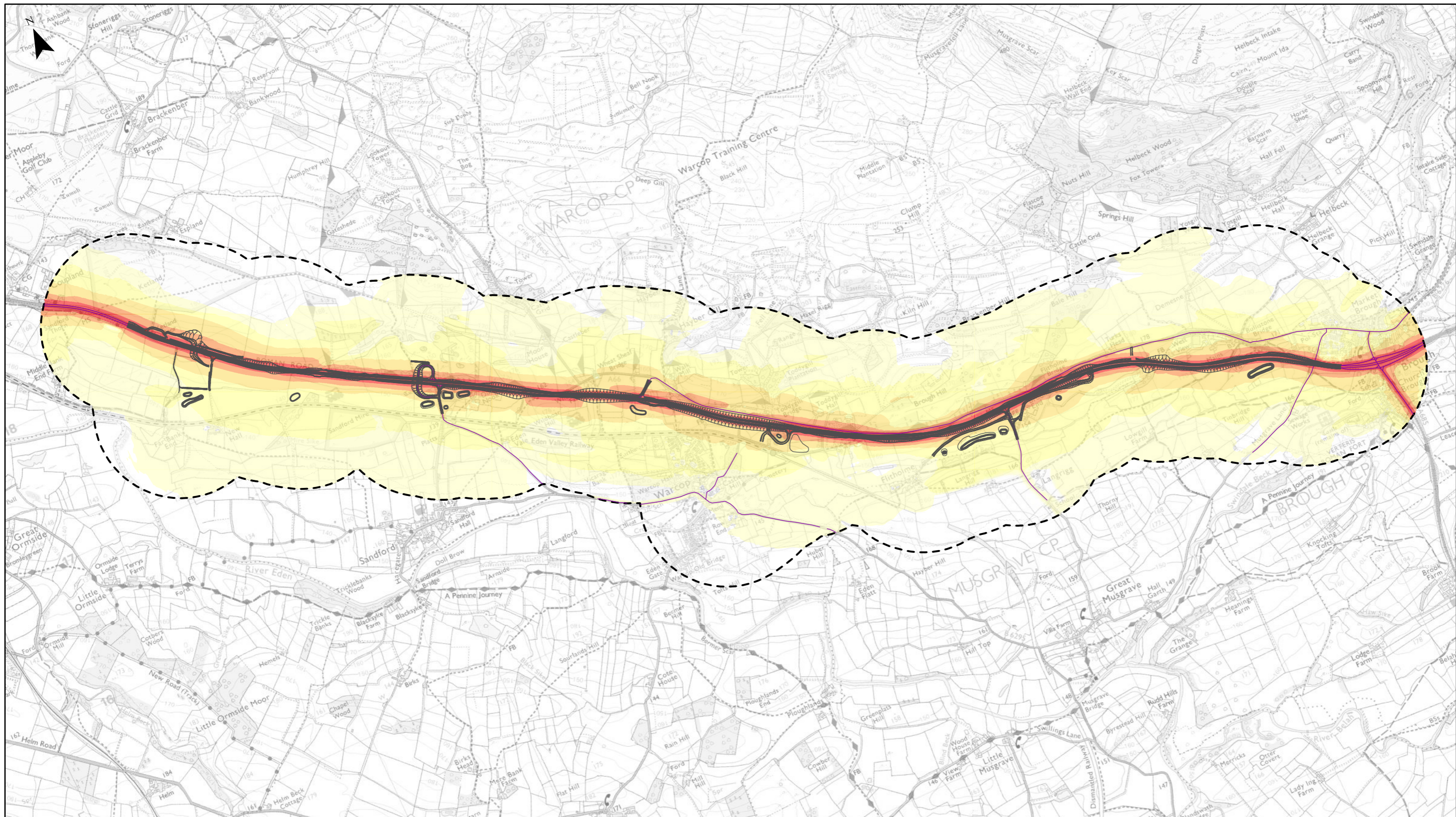
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres  
 0 1 2

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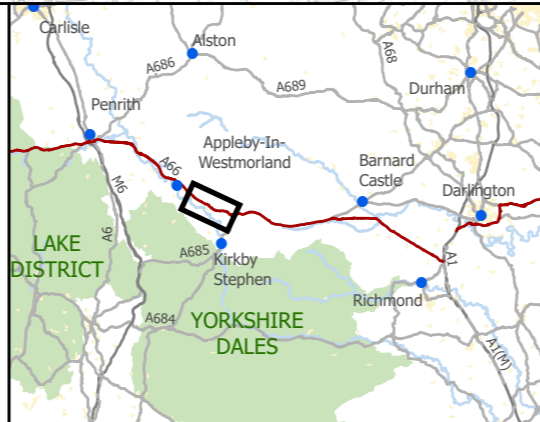
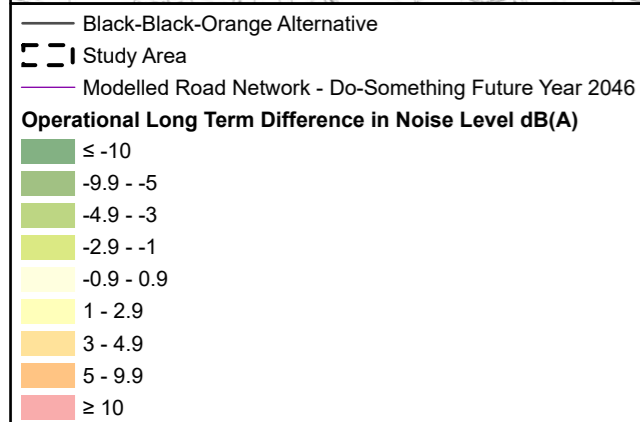
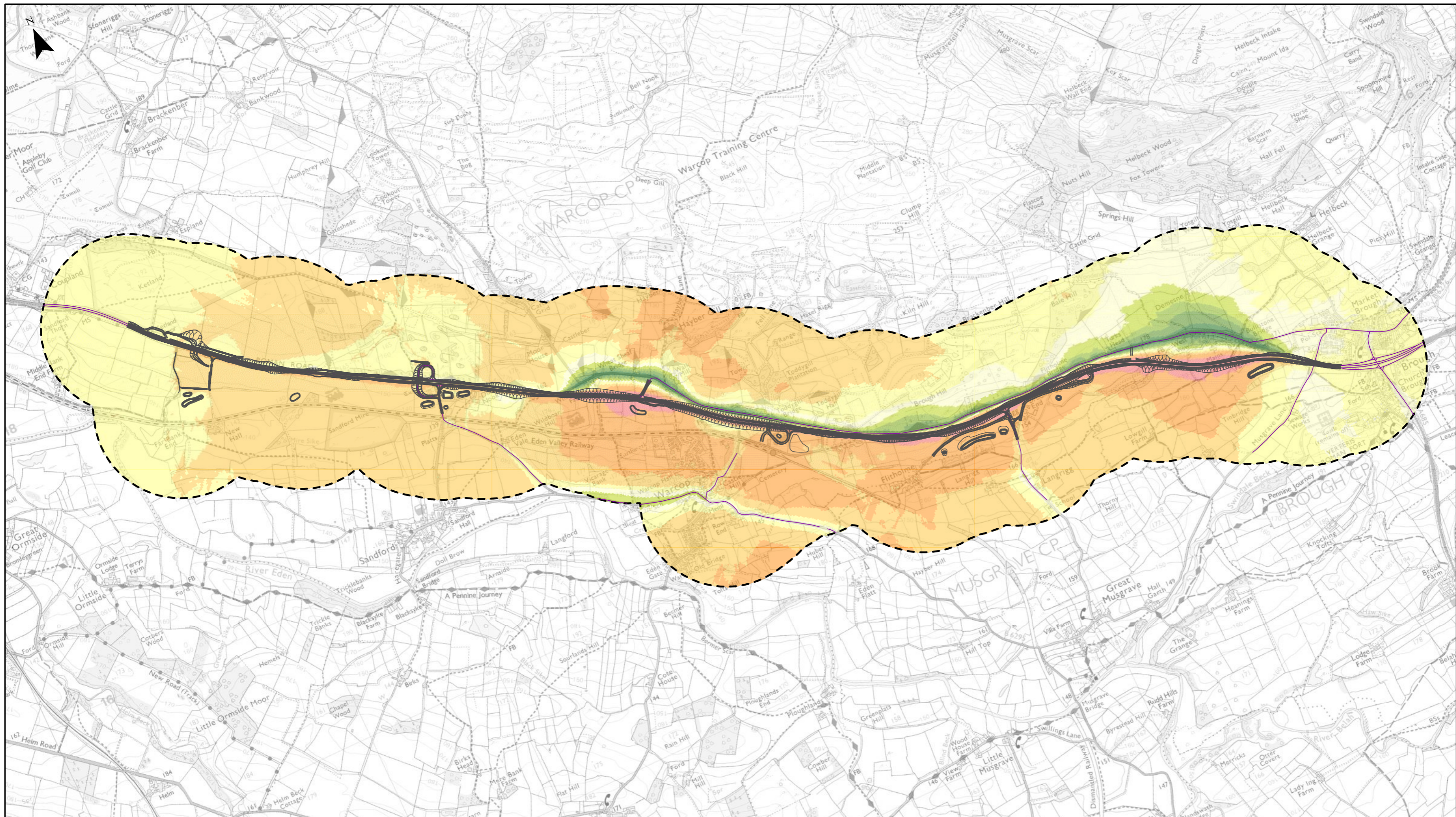
Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.16			
06 Black-Blue-Black Alternative Diff			
Sheet 1 of 1			
Appleby to Brough			
Map Number	Project	Originator	Volume
HE565627	-	AMY	-
S00	-	MP - LN	-
Location	Type	Role	Number
Suitability S4	FIT FOR STAGE APPROVAL		Revision P01



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.17			
06 Black-Black-Orange Alternative DSFY			
Sheet 1 of 1			
Appleby to Brough			
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Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



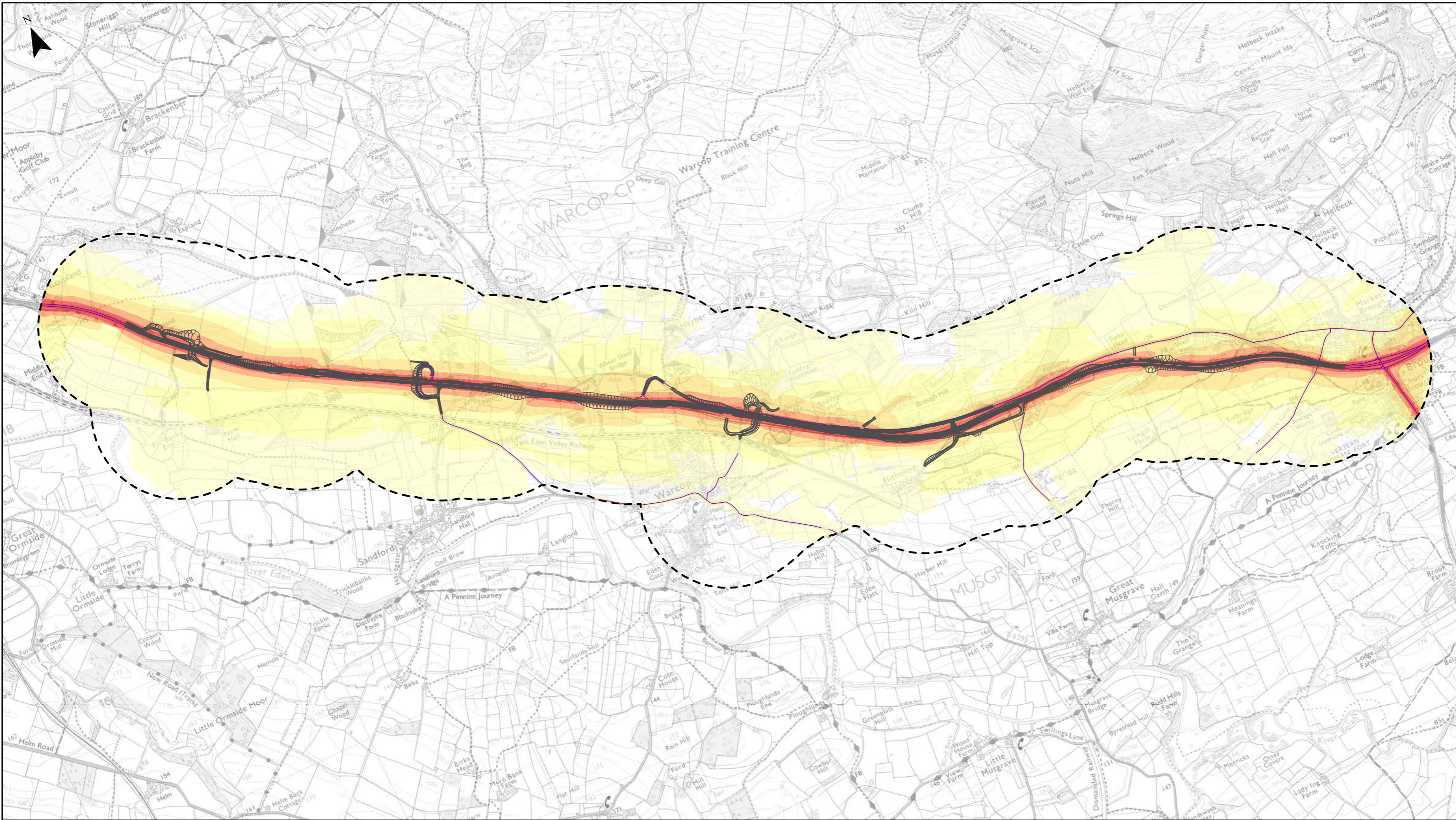
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres  
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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.18			
06 Black-Black-Orange Alternative Diff			
Sheet 1 of 1			
Appleby to Brough			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008065
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	



— Black-Blue-Orange Alternative  
 - - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
< 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



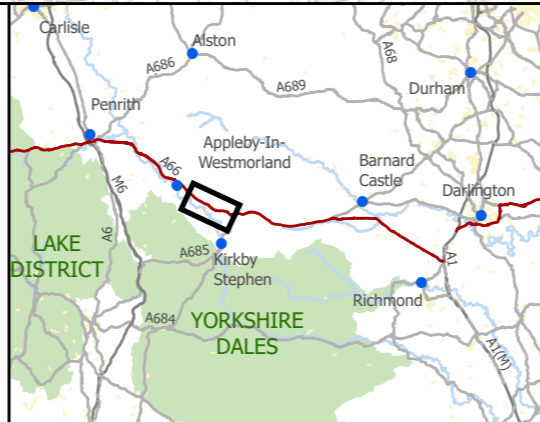
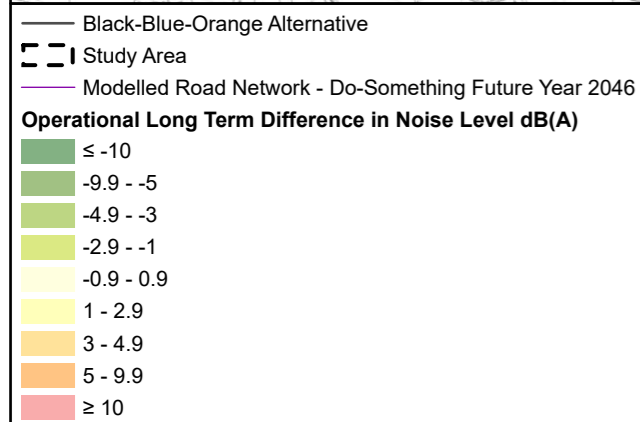
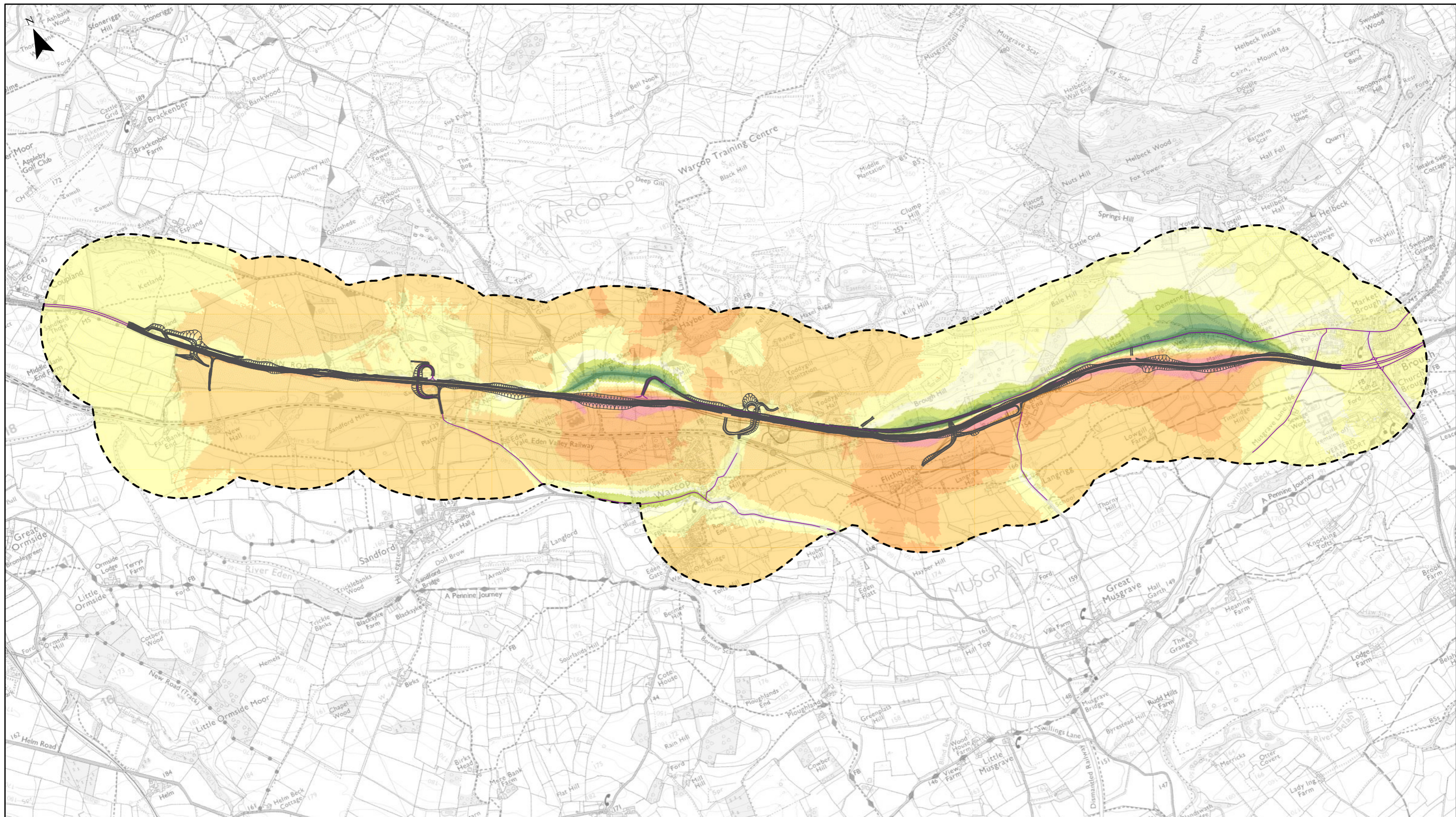
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		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres

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Project Name	A66 Northern Trans-Pennine				
Map Title	Figure 12.19				
Sheet 1 of 1	Appleby to Brough				
Map Number	Project	Originator	Volume		
HE565627	-	AMY	-	ENV	-
S00	-	MP	-	LN	-
Location	Type	Role	Number		
Suitability	Suitability Description			Revision	
S4	FIT FOR STAGE APPROVAL			P01	

Project Name	A66 Northern Trans-Pennine				
Map Title	Figure 12.19				
Sheet 1 of 1	Appleby to Brough				
Map Number	Project	Originator	Volume		
HE565627	-	AMY	-	ENV	-
S00	-	MP	-	LN	-
Location	Type	Role	Number		
Suitability	Suitability Description			Revision	
S4	FIT FOR STAGE APPROVAL			P01	



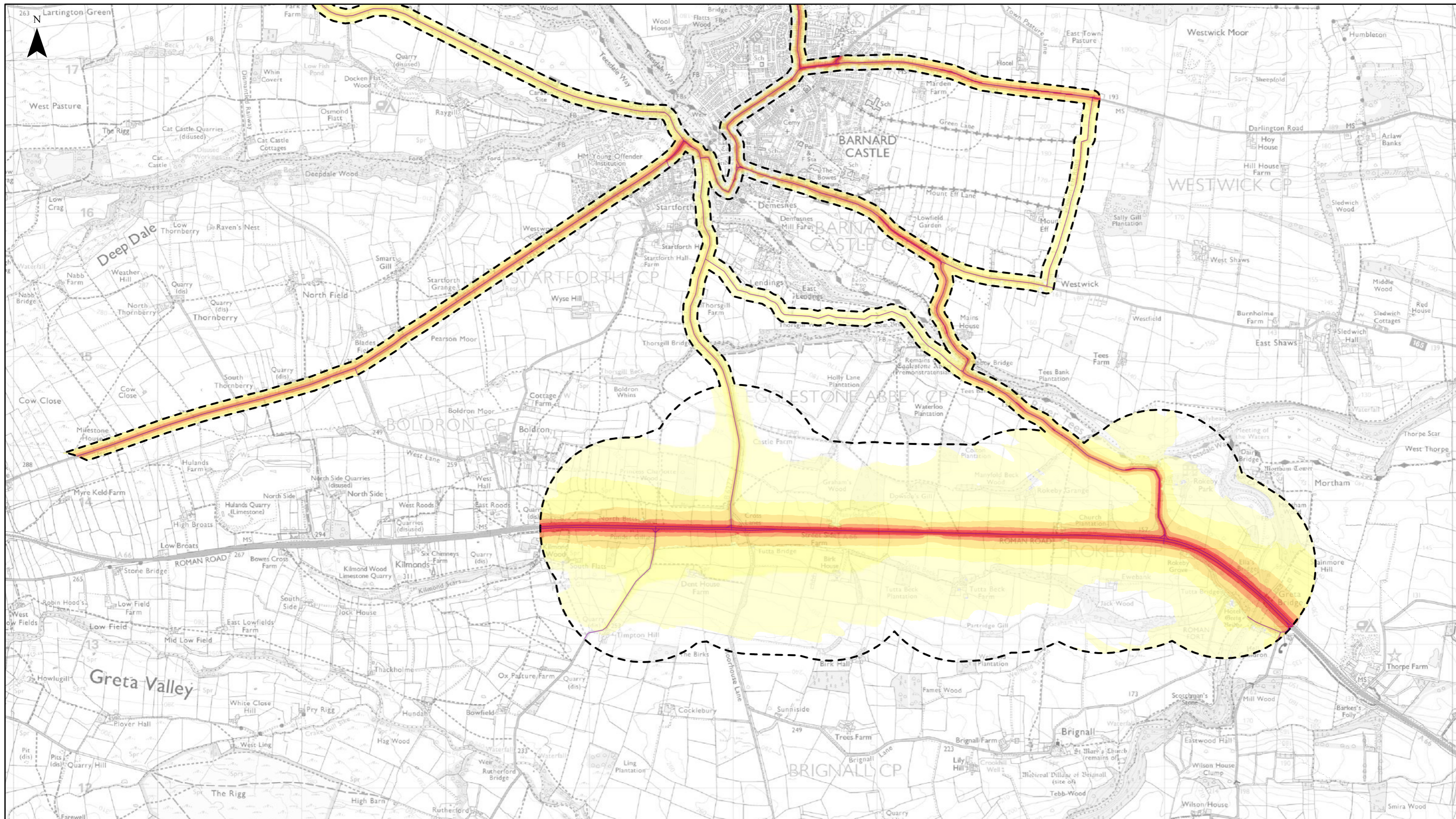
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres  
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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.20			
06 Black-Blue-Orange Alternative Diff			
Sheet 1 of 1			
Appleby to Brough			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008067
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	

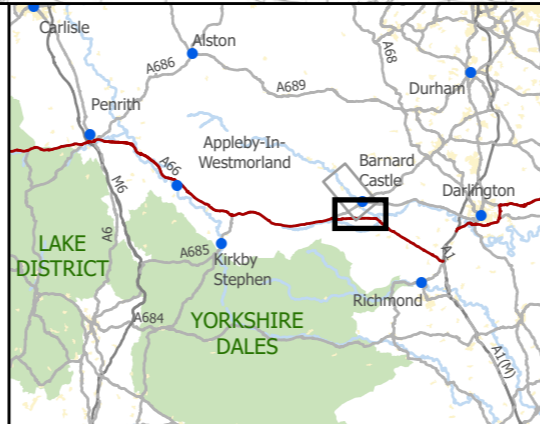


**Study Area**

— Modelled Road Network - Do-Minimum Opening Year 2031

**Noise Level From Roads in Study Area - Do-Minimum Opening Year 2031**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
≤ 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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Project Name  
**A66 Northern Trans-Pennine**

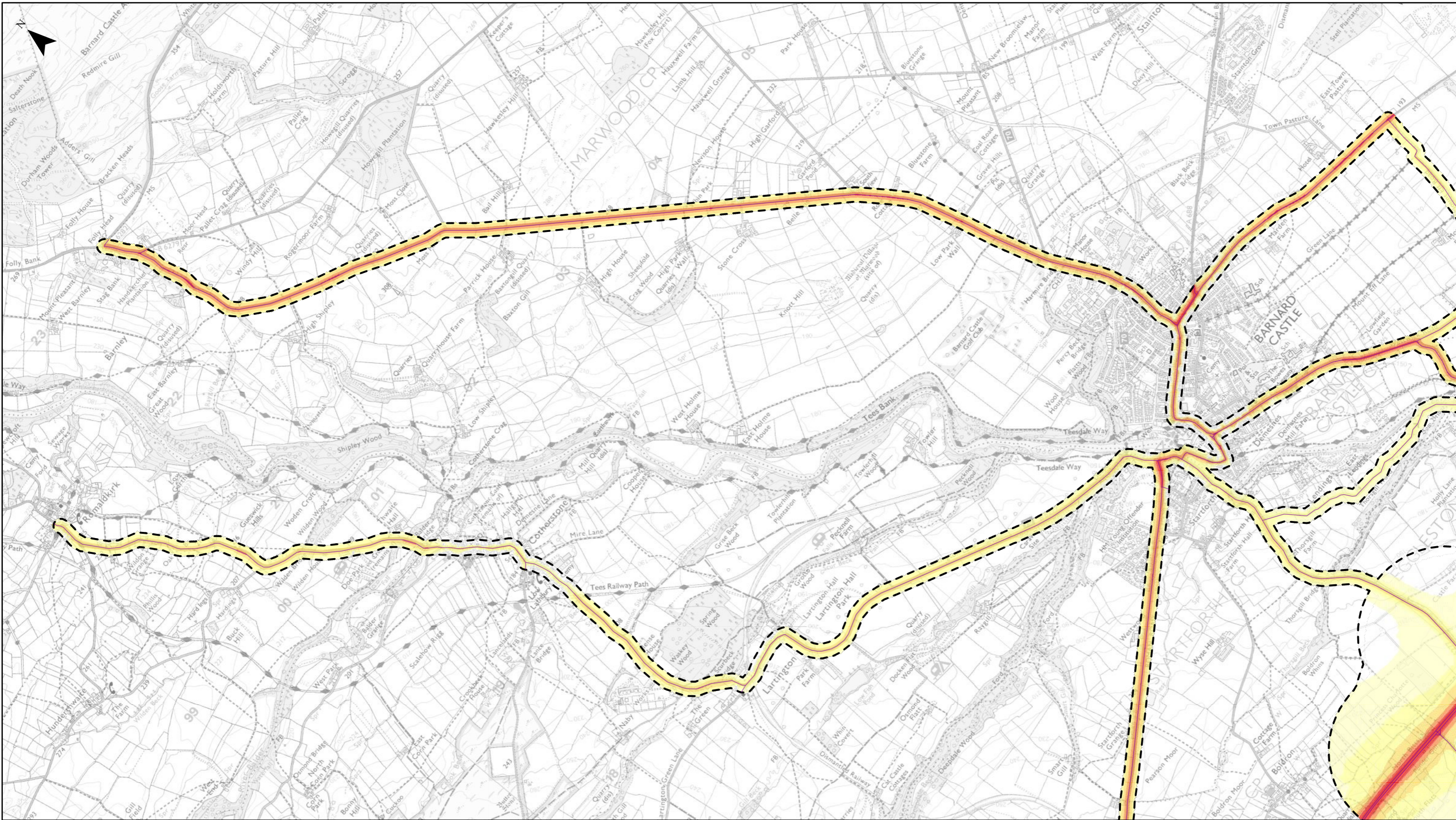
Map Title  
**Figure 12.21**

**08 DMOY**

Sheet 1 of 2

**Cross Lanes to Rokeby**

Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008068
	Location	Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



**Study Area**

— Modelled Road Network - Do-Minimum Opening Year 2031

**Noise Level From Roads in Study Area - Do-Minimum Opening Year 2031**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
≤ 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



**highways england** **A66 NTP** Integrated Project Team

P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

Kilometres

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.21**

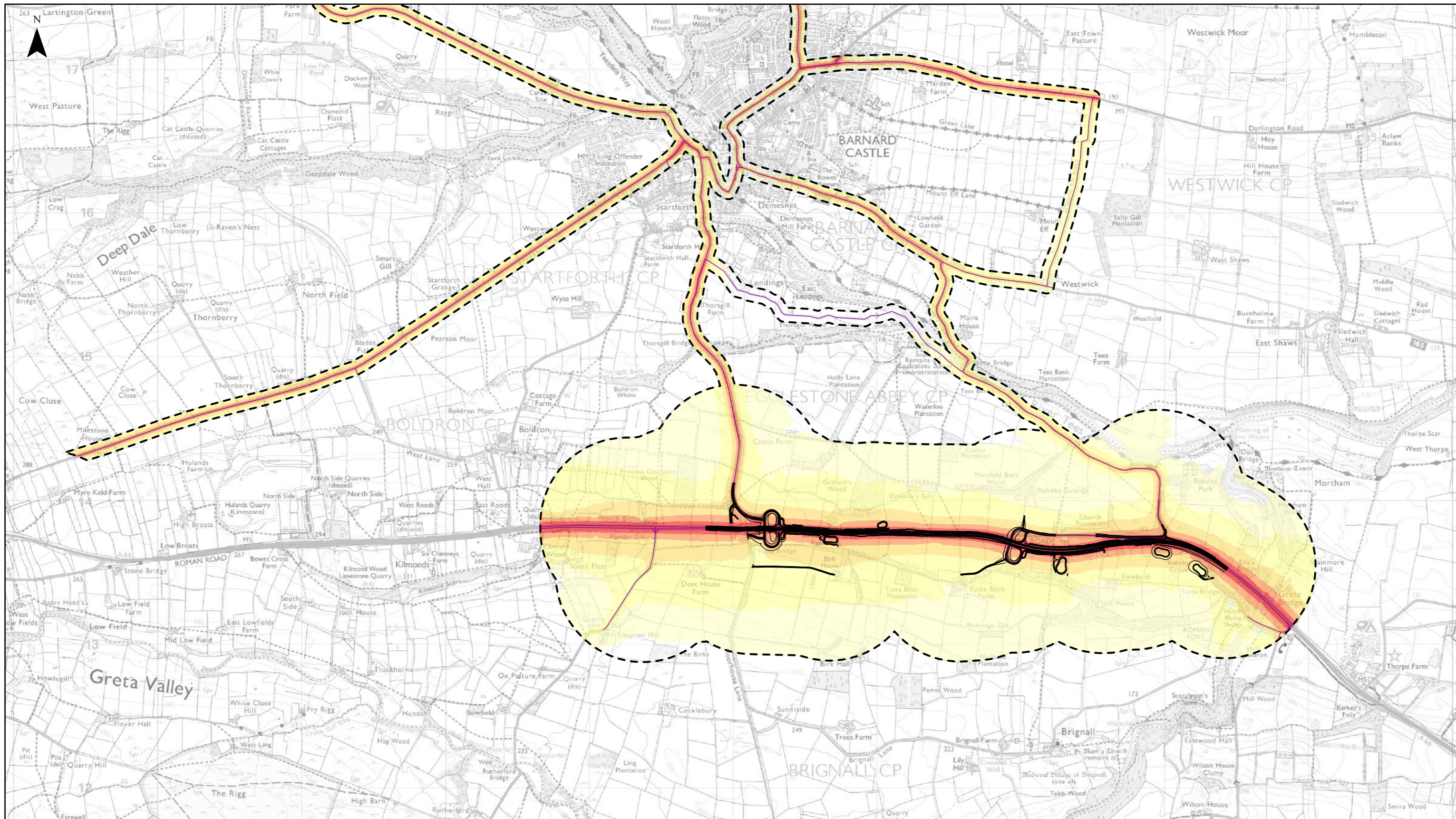
**08 DMOY**

Sheet 2 of 2

**Cross Lanes to Rokeby**

Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
	Location	Type	Role
		MP	LN
			008069

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01



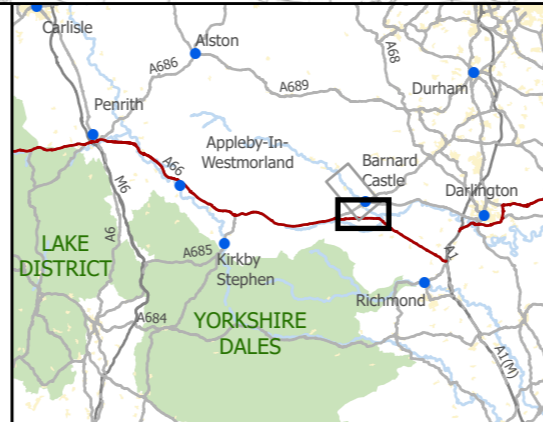
— Black-Black Alternative – Evolved Version of Preferred Route Announced Spring 2020 (EPRA)

- - - Study Area

— Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
≤ 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

0 1 2 Kilometres

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Project Name  
A66 Northern Trans-Pennine

Map Title  
Figure 12.22

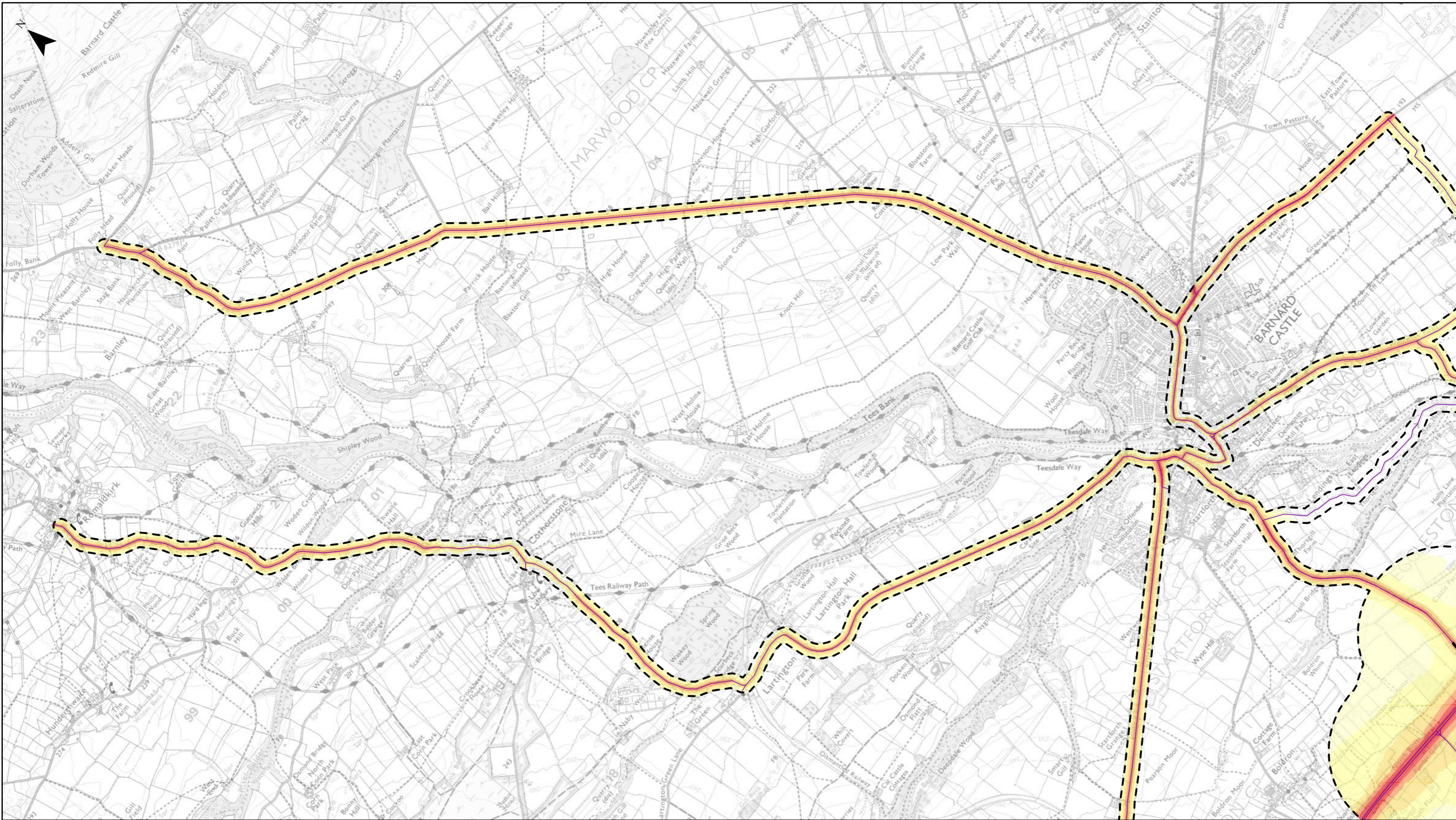
08 Black Cross Lanes - Black Rokeby DSFY

Sheet 1 of 2

Map Number	Project	Originator	Volume
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	Location	Type	Role
		MP	LN
			008070

Suitability	Suitability Description	Revision
S4	FIT FOR STAGE APPROVAL	P01

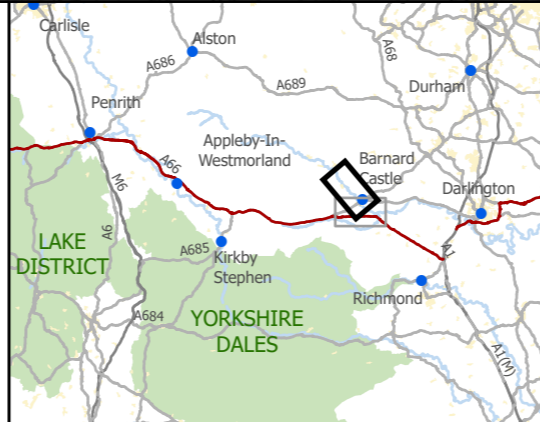




— Black-Black Alternative – Evolved Version of Preferred Route Announced Spring 2020 (EPRA)  
 - - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
≤ 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



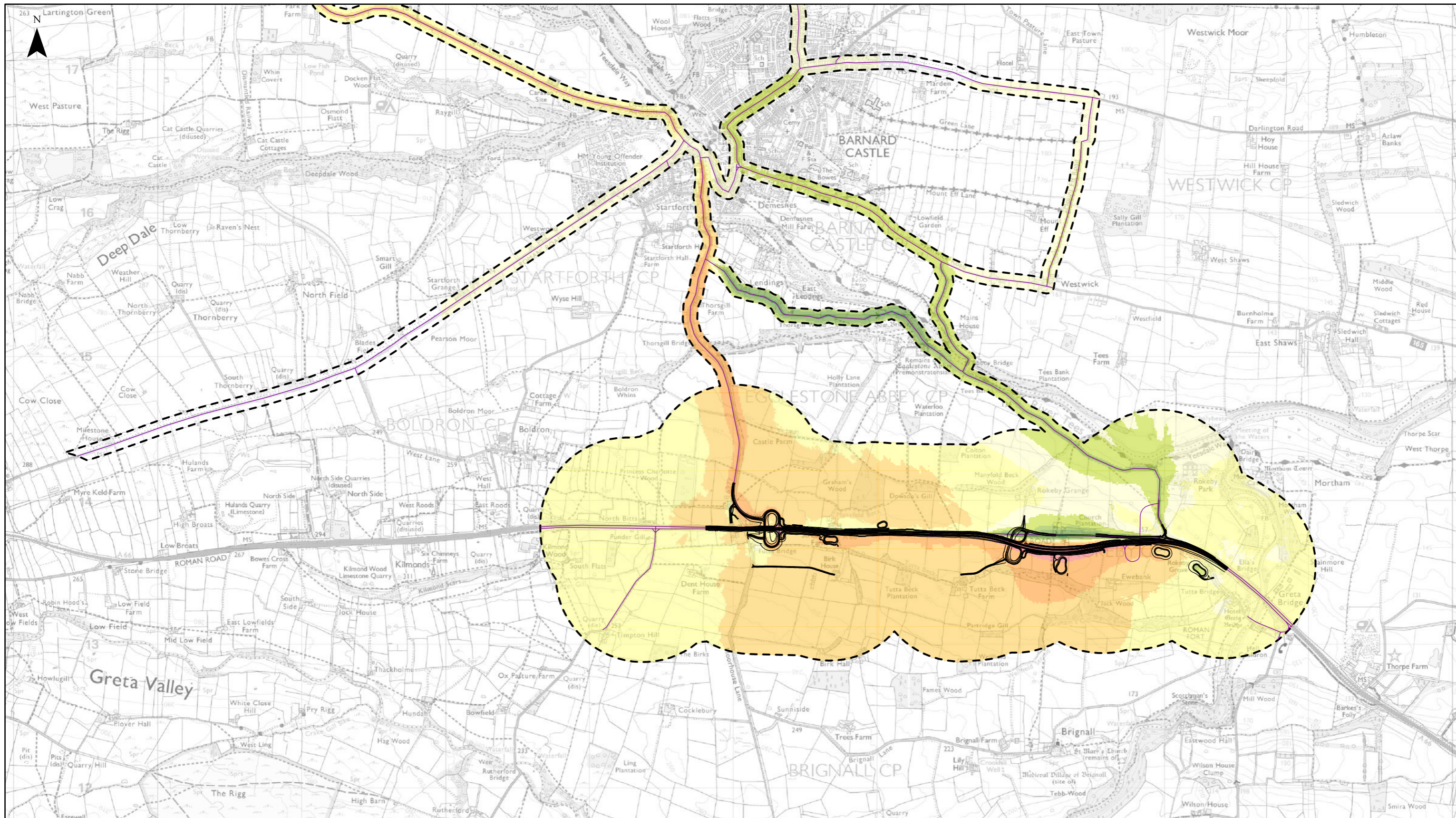
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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.22**  
**08 Black Cross Lanes - Black Rokeby DSFY**  
**Sheet 2 of 2**  
**Cross Lanes to Rokeby**

Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
		MP - LN	008071
	Location	Type	Role
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01

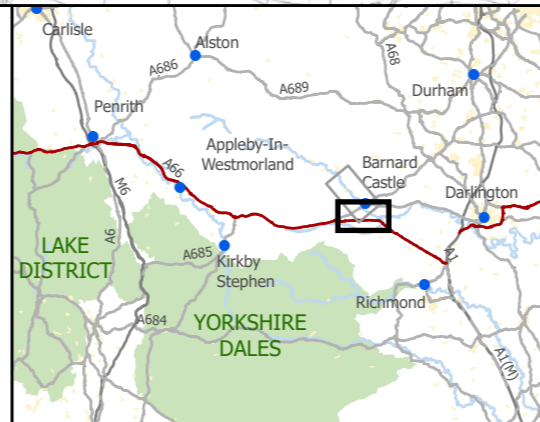
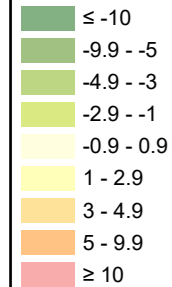


— Black-Black Alternative – Evolved Version of Preferred Route Announced Spring 2020 (EPRA)

- - - Study Area

— Modelled Road Network - Do-Something Future Year 2046

**Operational Long Term Difference in Noise Level dB(A)**



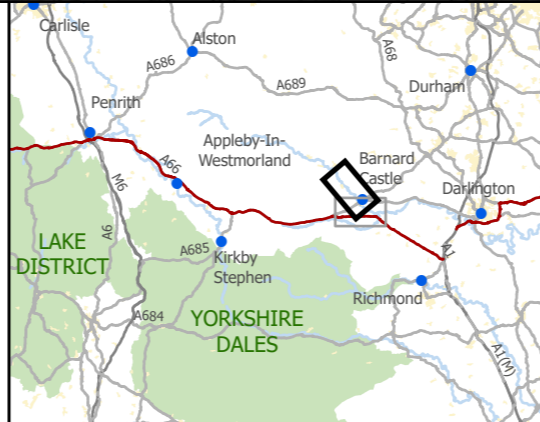
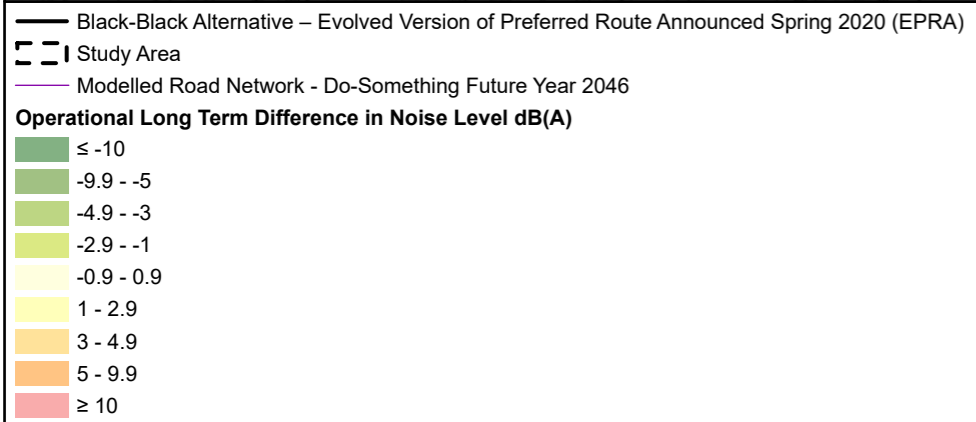
**highways england** **A66 NTP** Integrated Project Team

P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

Kilometres

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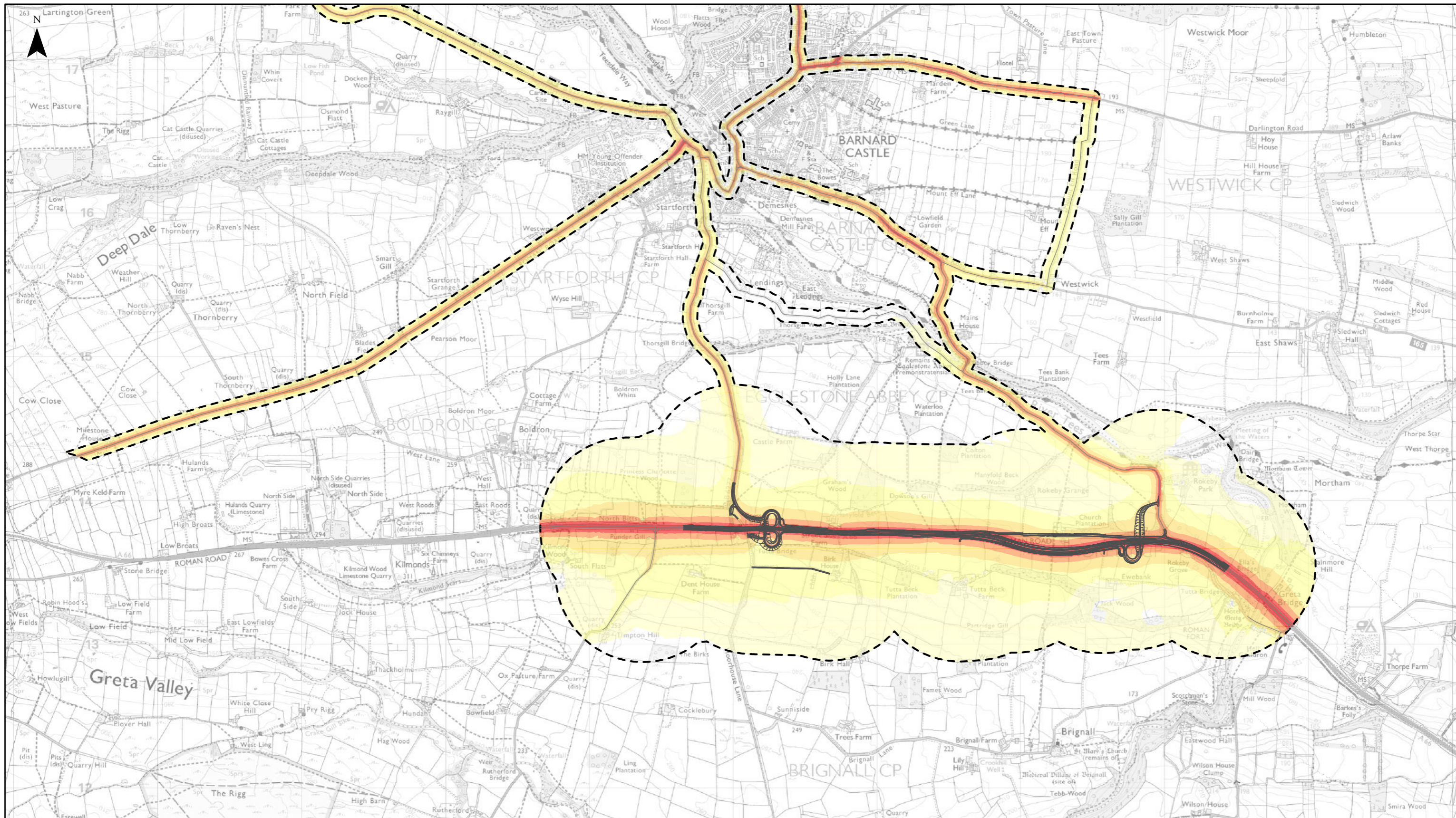
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Map Title <b>Figure 12.23</b>			
<b>08 Black Cross Lanes - Black Rokeby Diff</b>			
<b>Sheet 1 of 2</b>			
<b>Cross Lanes to Rokeby</b>			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008072
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised	

Scale @ A3: 1:25,000 | Project Ref No HE565627 | Stage: Stage 3  
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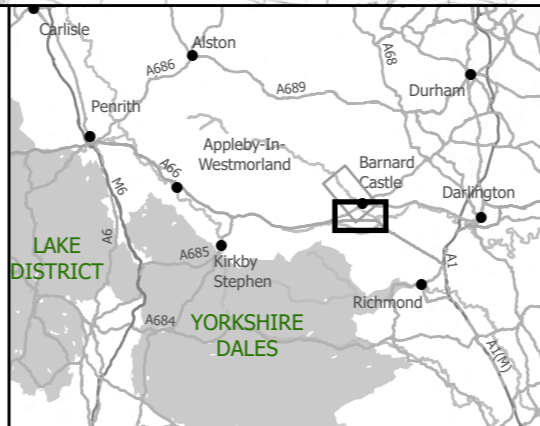
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.23</b>			
Sheet 2 of 2			
<b>Cross Lanes to Rokeby</b>			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
		MP - LN	008073
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



— Black-Red Alternative  
 - - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

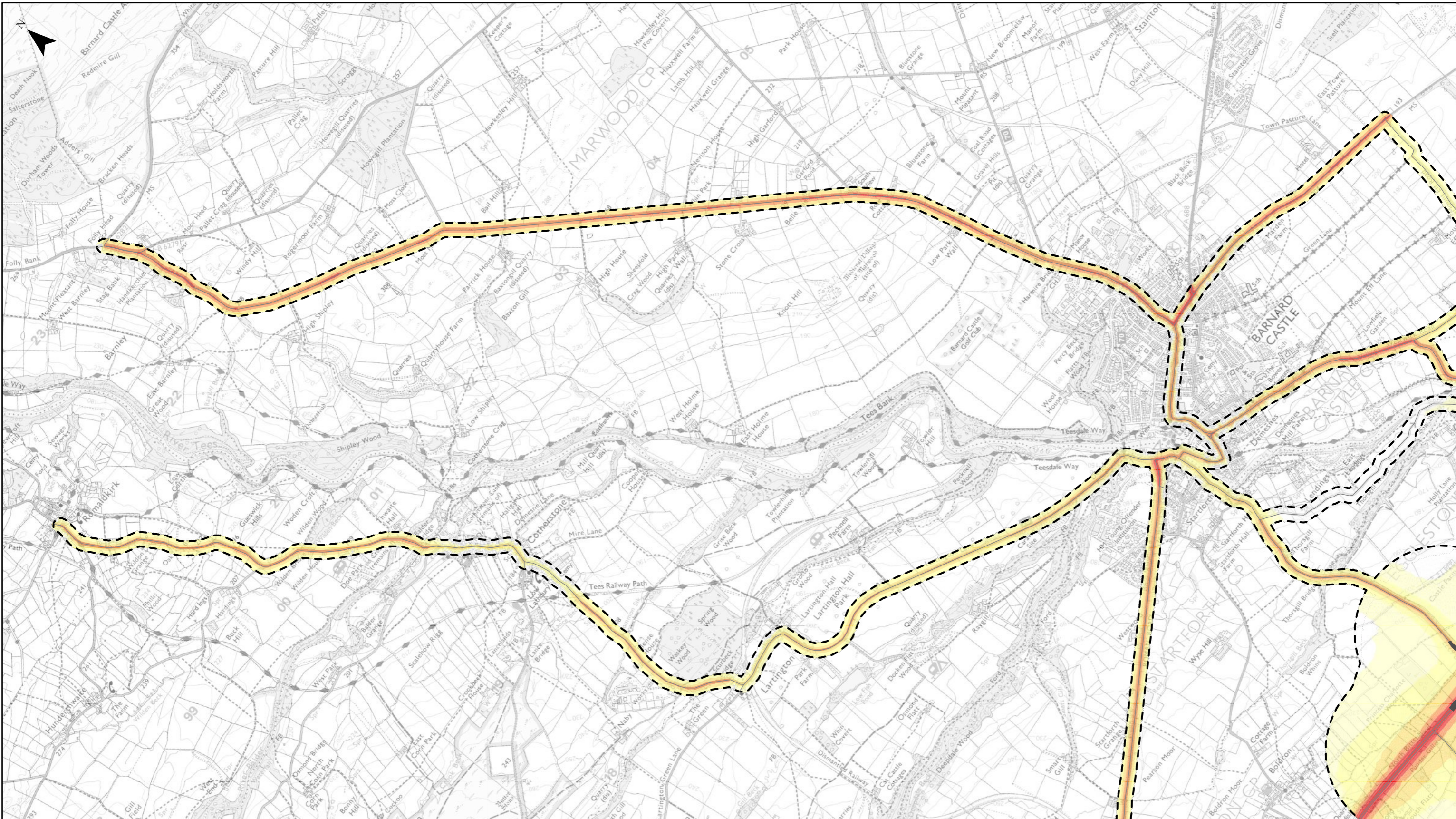
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≤ 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

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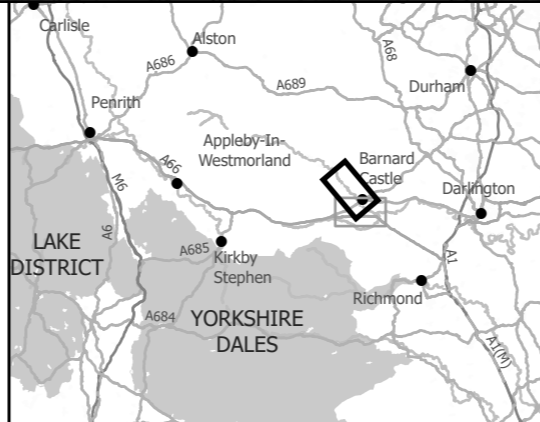
Project Name			
A66 Northern Trans-Pennine			
Map Title			
Figure 12.24			
08 Black Cross Lanes - Red Rokeby DSFY			
Sheet 1 of 2			
Cross Lanes to Rokeby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



— Black-Red Alternative  
 - - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

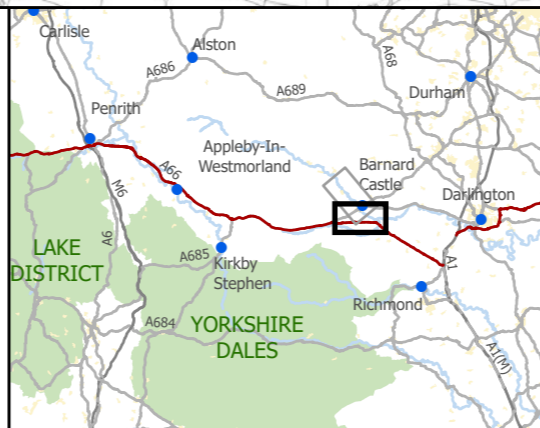
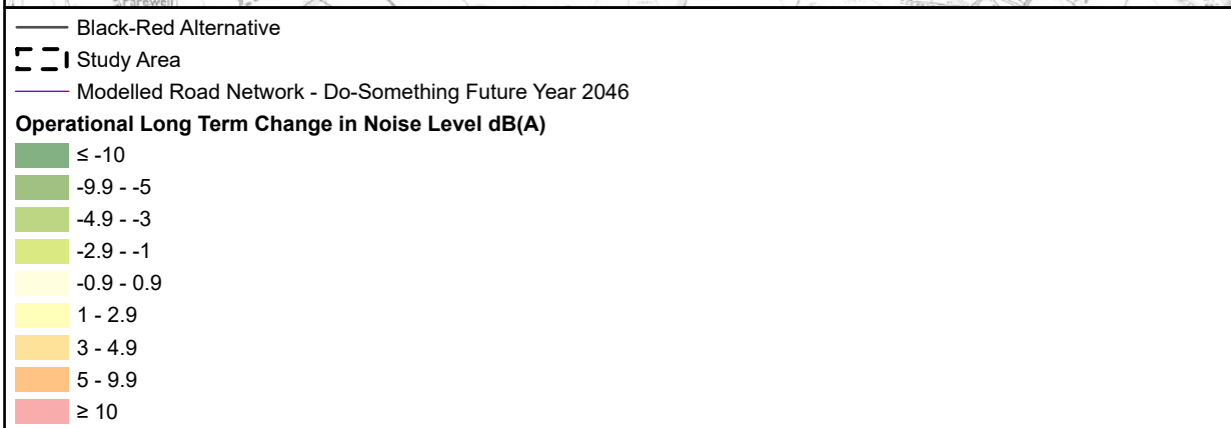
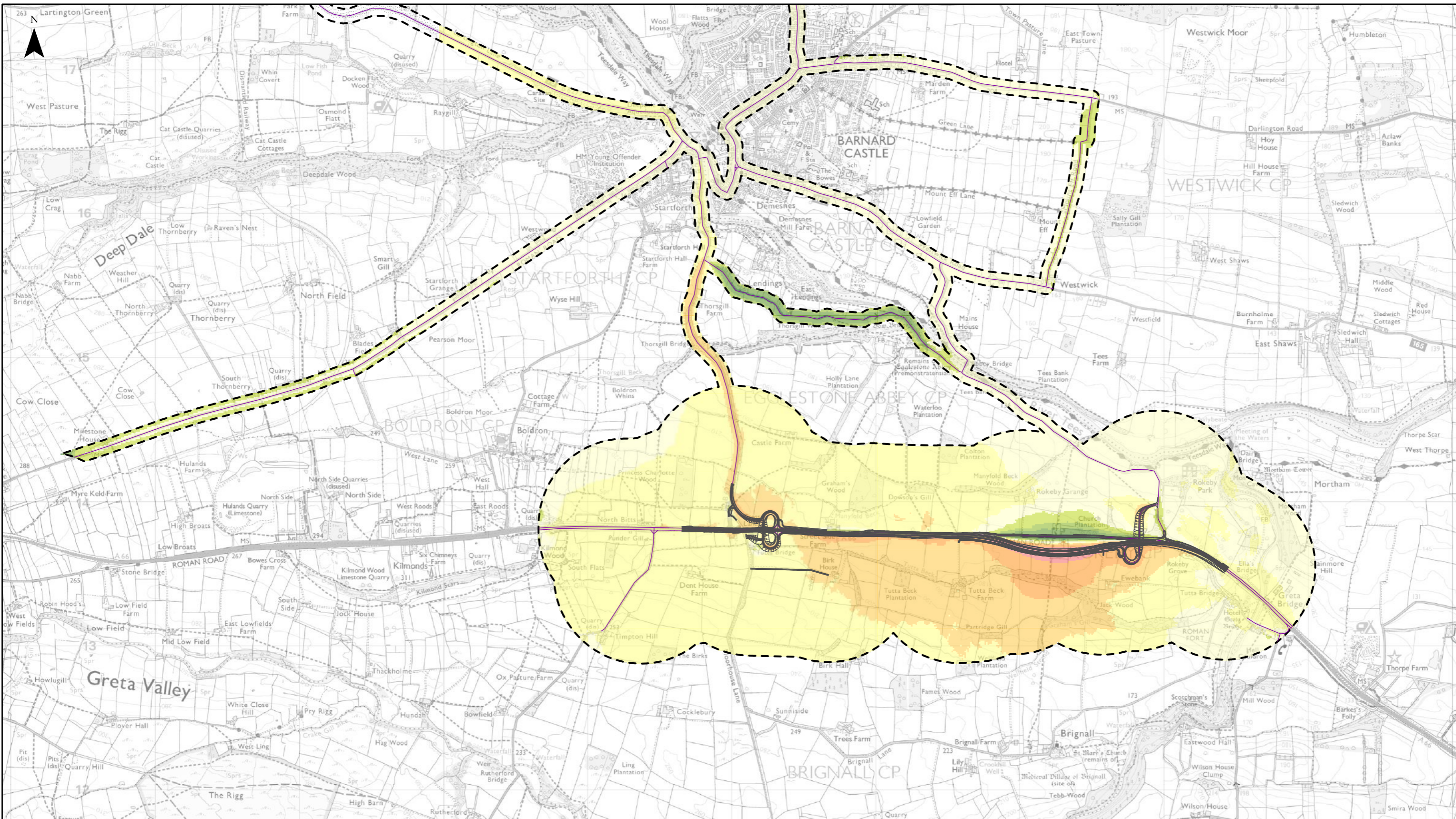
**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq</sub> , 16hr	Night-time dBL <sub>Aeq</sub> , 8hr
≤ 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



P01	First Issue				
	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
Revision	Created	Checked	Reviewed	Approved	Authorised

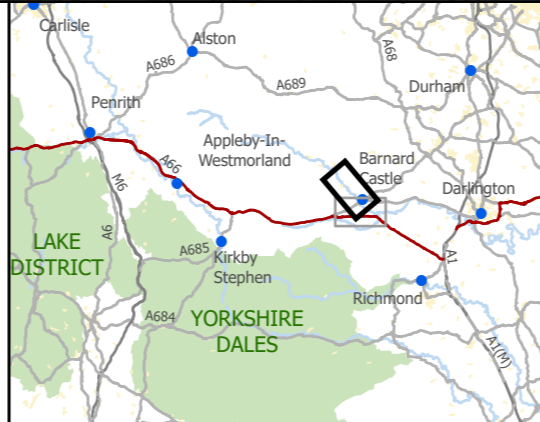
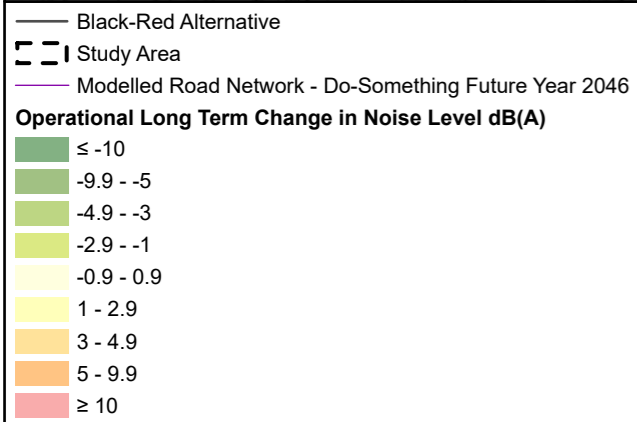
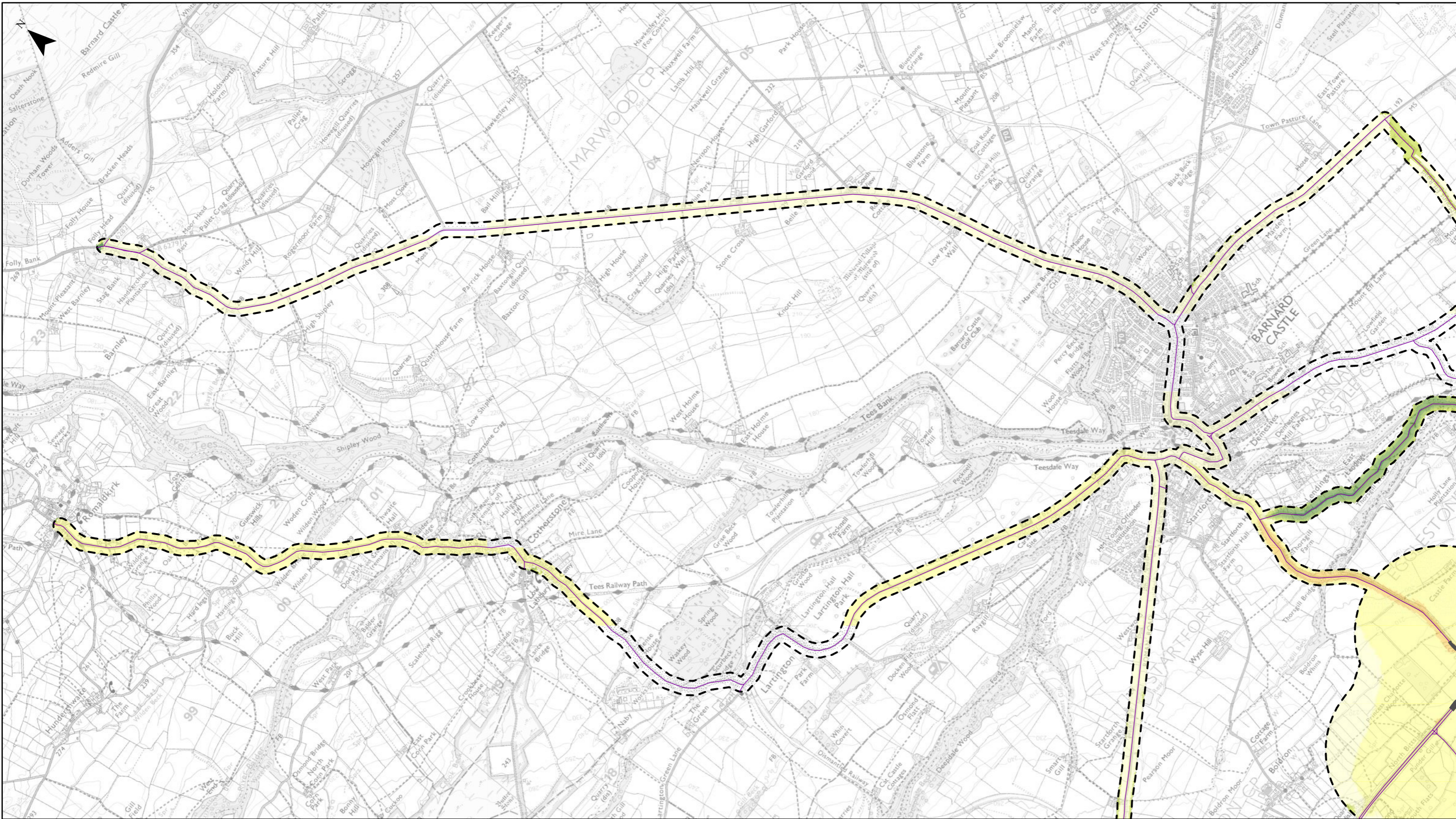
Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.24			
08 Black Cross Lanes - Red Rokeby DSFY			
Sheet 2 of 2			
Cross Lanes to Rokeby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



P01	First Issue	JBAR	MMAT	LHAN	MMCA	KWHA
		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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Project Name			
A66 Northern Trans-Pennine			
Map Title			
Figure 12.25			
Sheet 1 of 2			
Cross Lanes to Rokeby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008076
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01



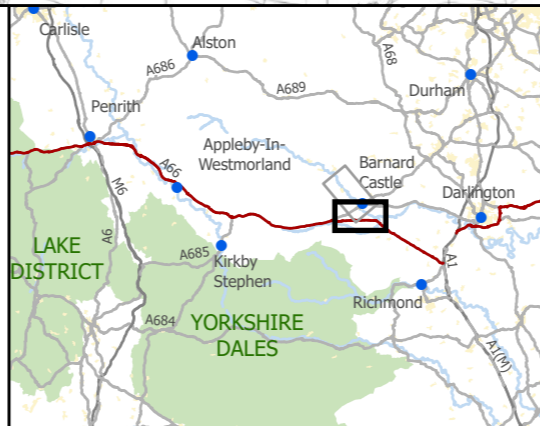
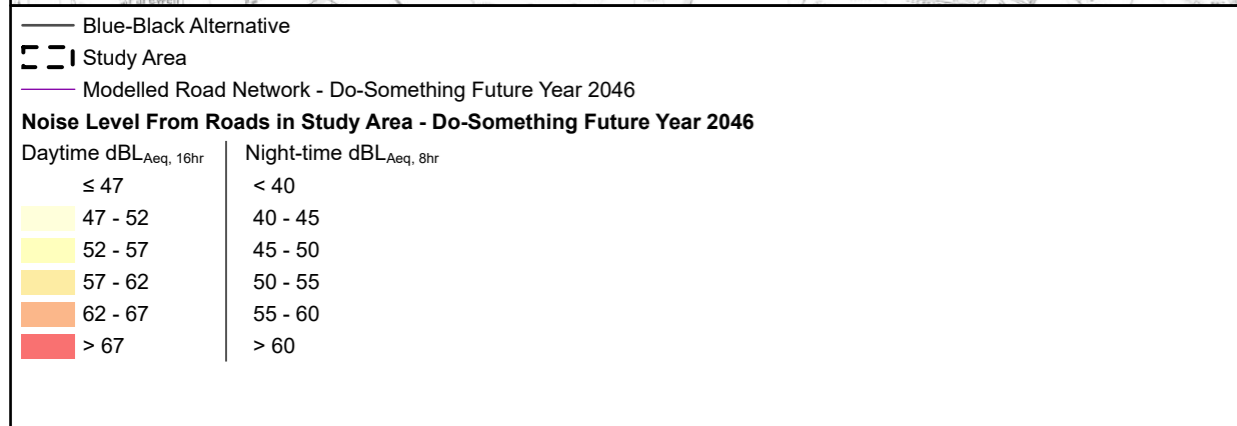
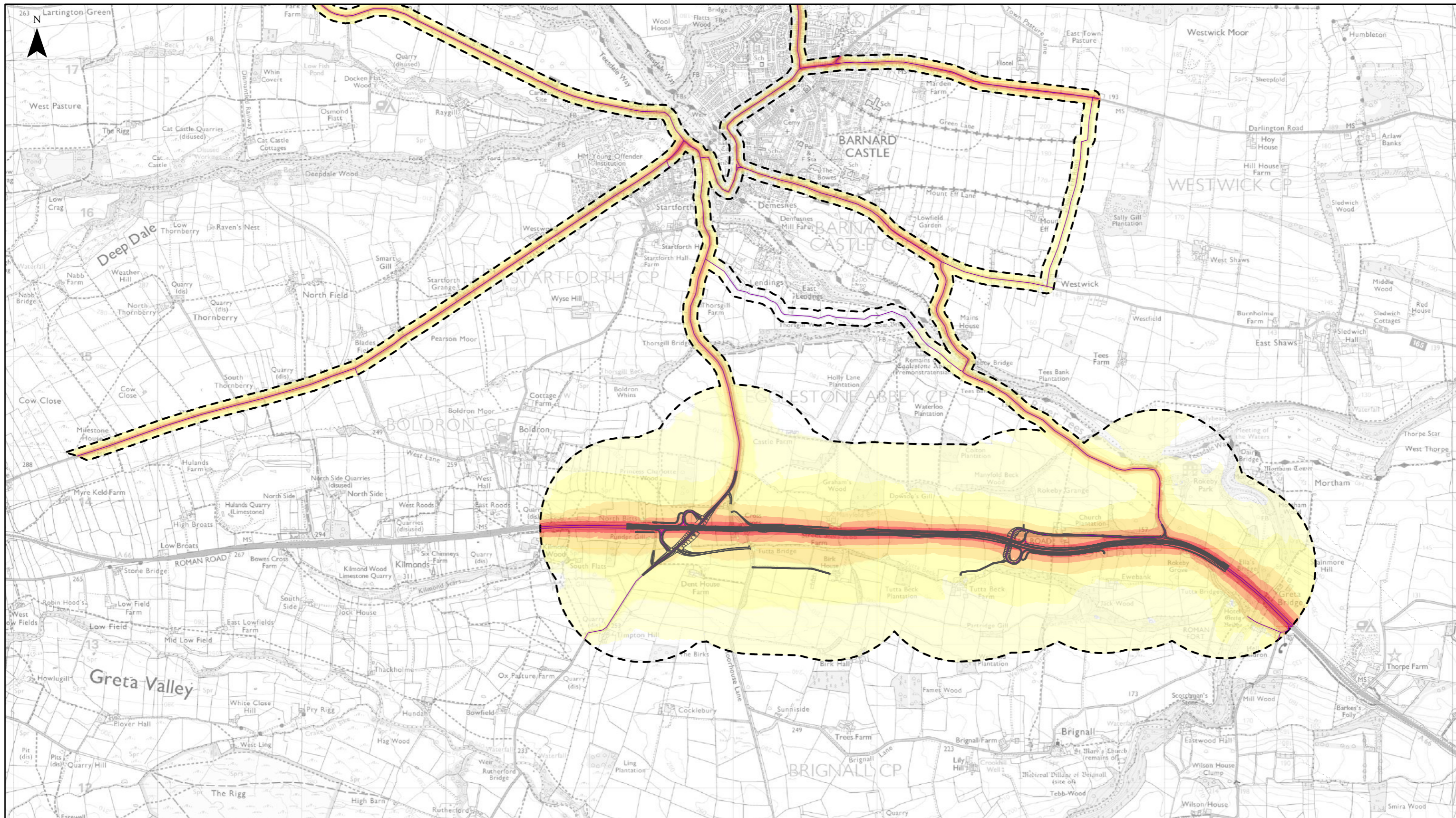
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		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.25			
08 Black Cross Lanes - Red Rokeby Diff			
Sheet 2 of 2			
Cross Lanes to Rokeby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL	MP - LN	008077
Suitability	Suitability Description	Revision	
S4	FIT FOR STAGE APPROVAL	P01	

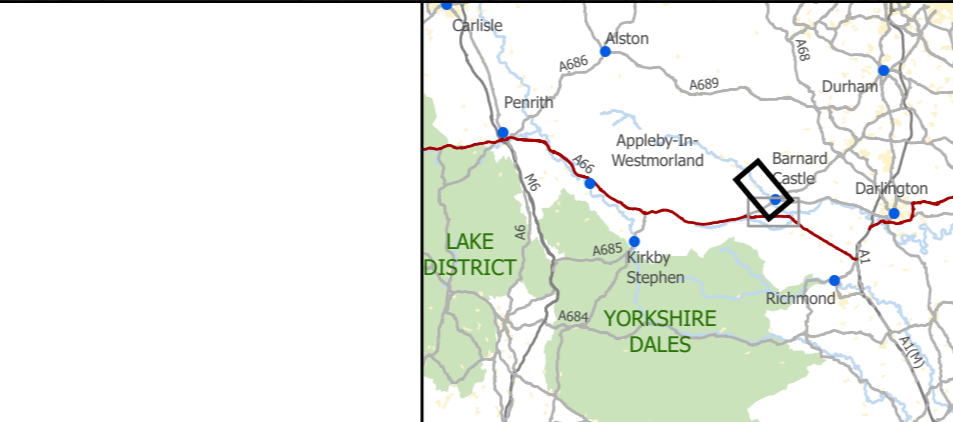
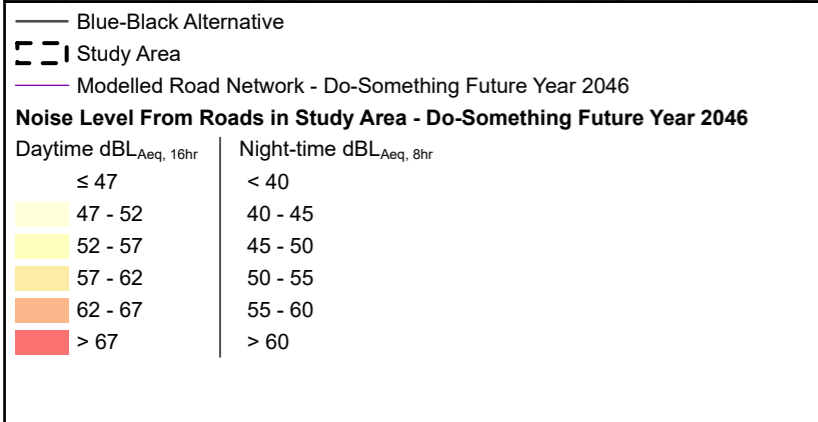
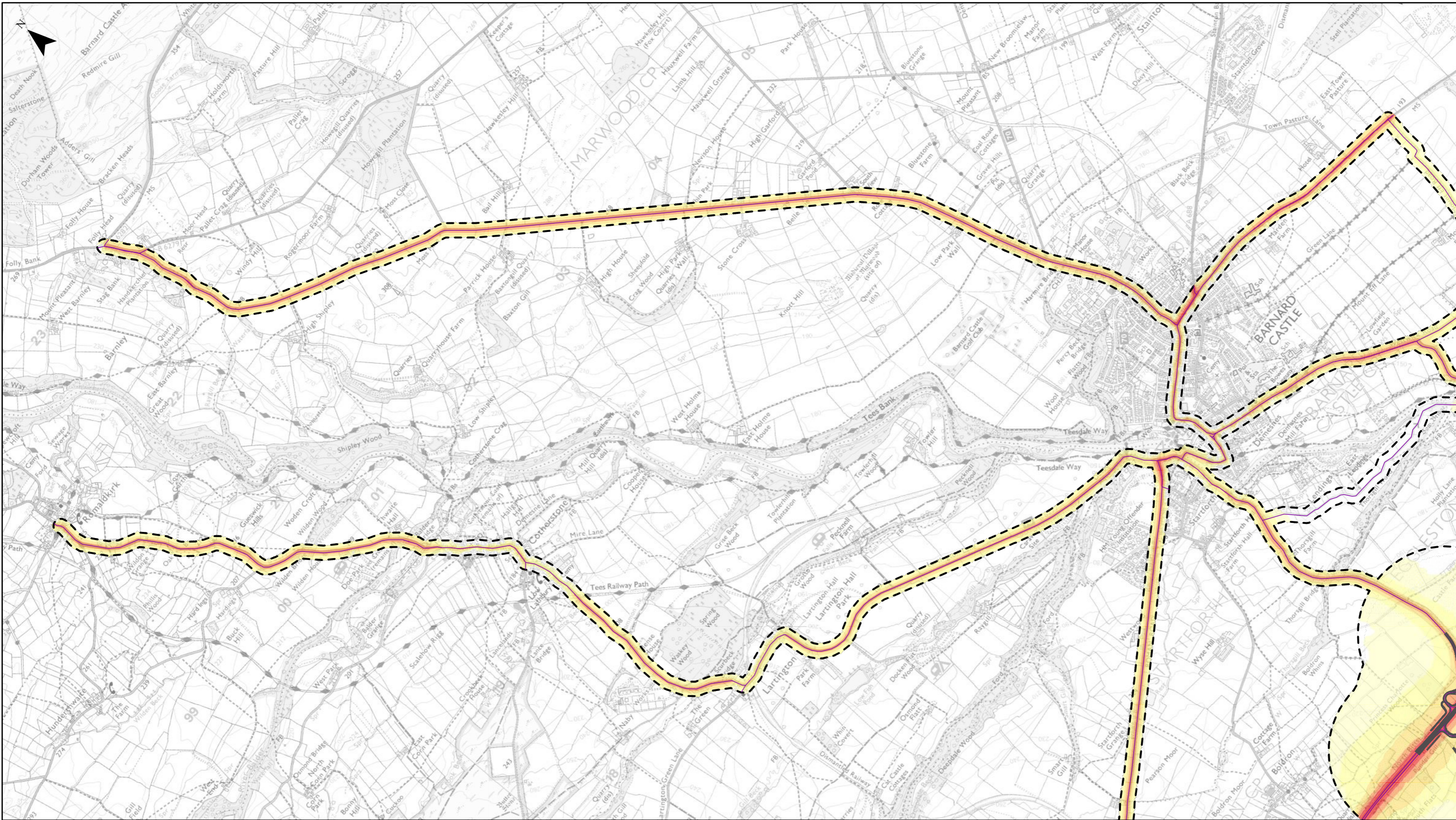


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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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Project Name			
A66 Northern Trans-Pennine			
Map Title			
Figure 12.26			
08 Blue Cross Lanes - Black Rokeby DSFY			
Sheet 1 of 2			
Cross Lanes to Rokeby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008078
Suitability	Suitability Description		Revision
S4	FIT FOR STAGE APPROVAL		P01





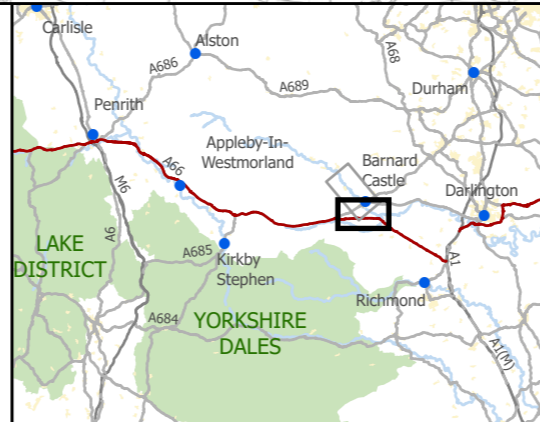
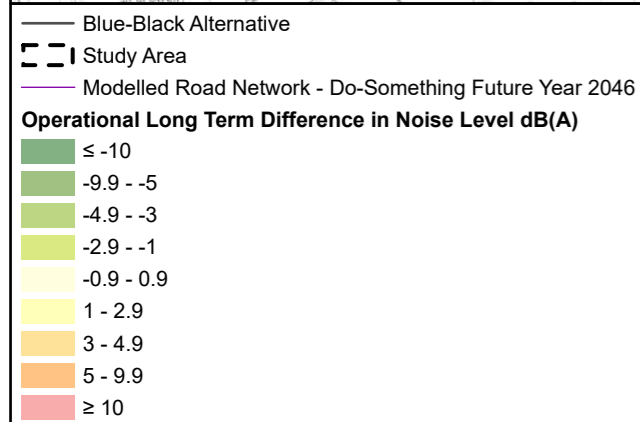
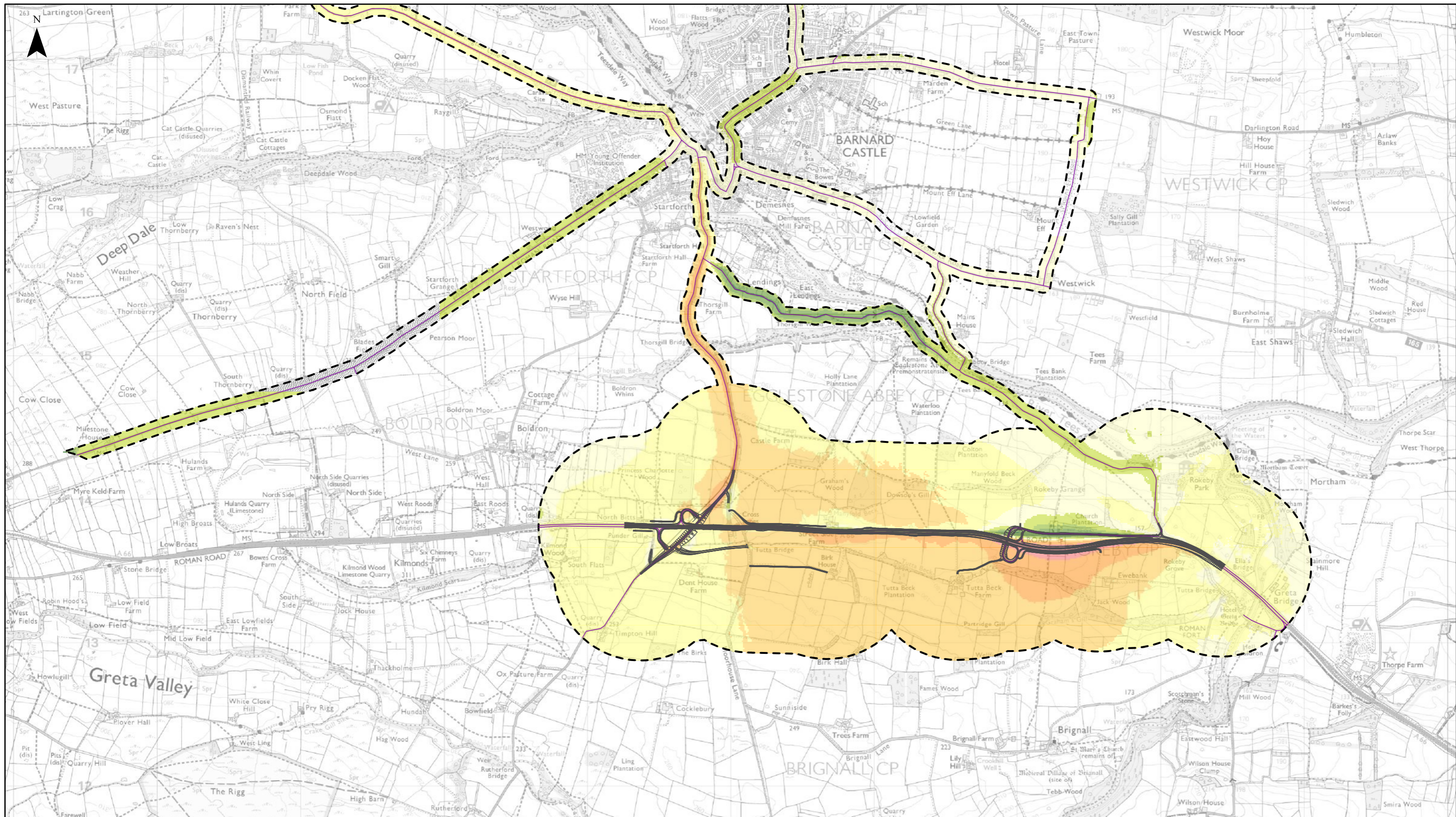
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	JBAR	MMAT	LHAN	MMCA	KWHA
	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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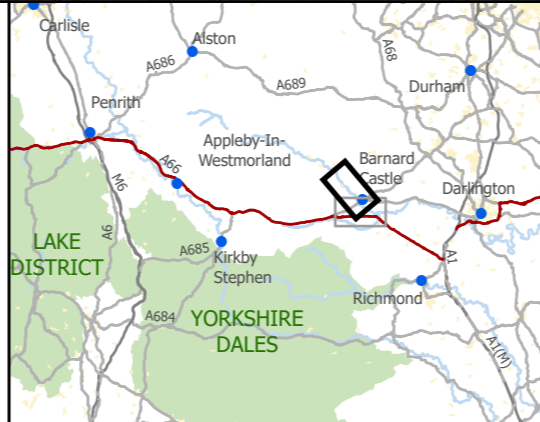
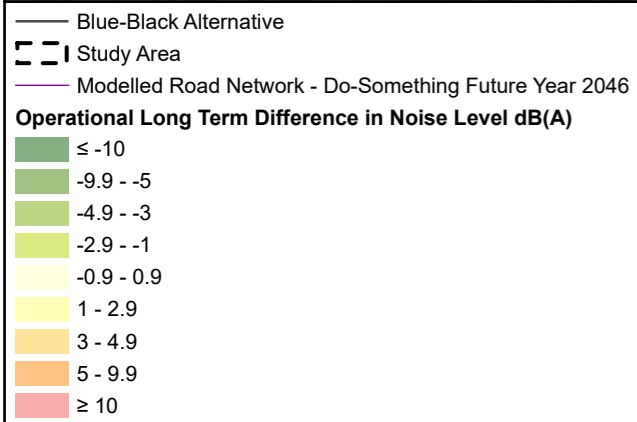
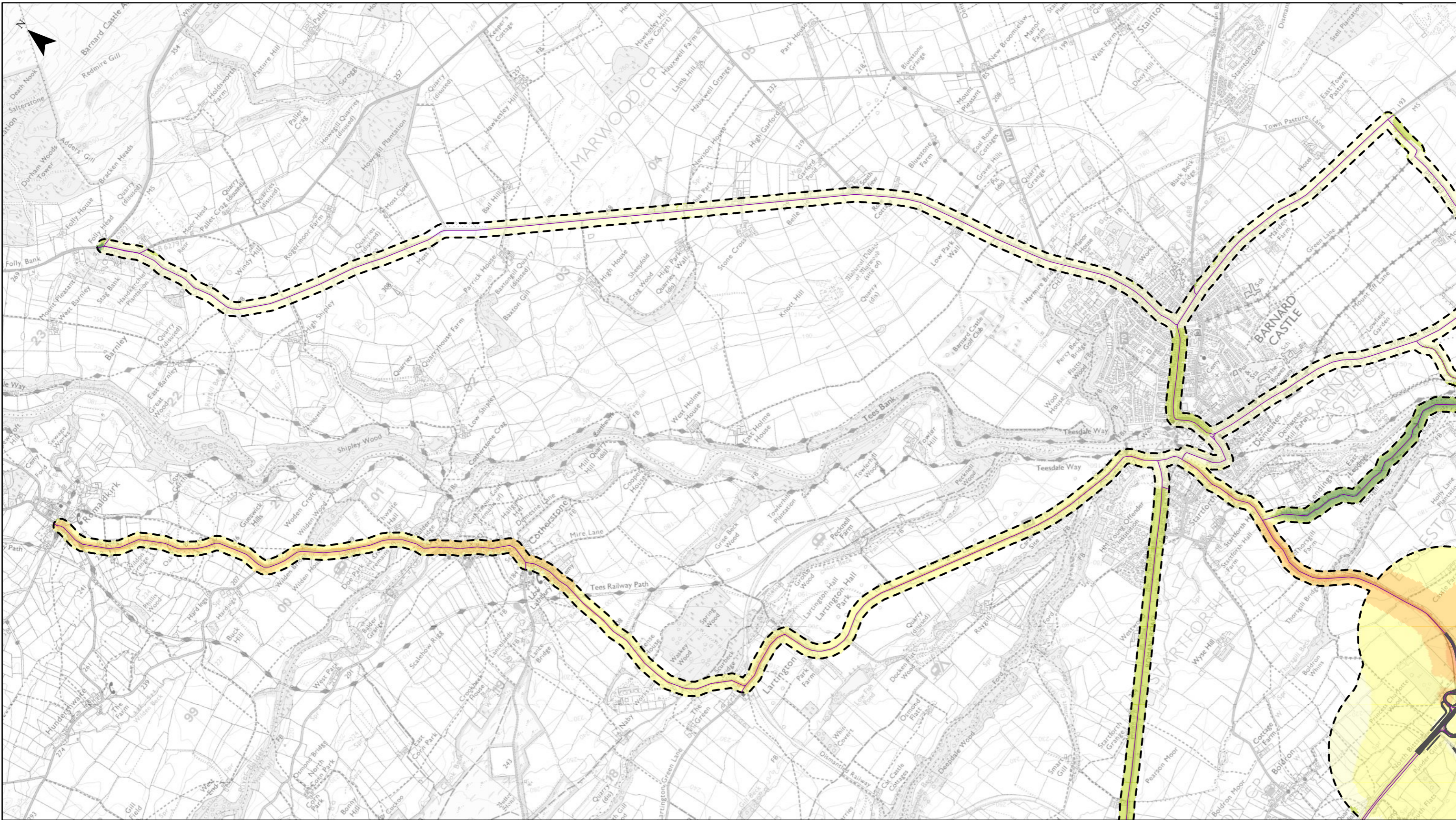
Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.26</b>			
Sheet 2 of 2 <b>Cross Lanes to Rokeby</b>			
Map Number Project <b>HE565627</b>	Originator <b>AMY</b>	Volume <b>ENV</b>	
Location <b>S00</b>		Type <b>MP</b>	Role <b>LN</b>
Number <b>008079</b>			
Suitability <b>S4</b>	Suitability Description <b>FIT FOR STAGE APPROVAL</b>		Revision <b>P01</b>



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		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.27			
08 Blue Cross Lanes - Black Rokeby Diff			
Sheet 1 of 2			
Cross Lanes to Rokeby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	ENV
Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL		P01



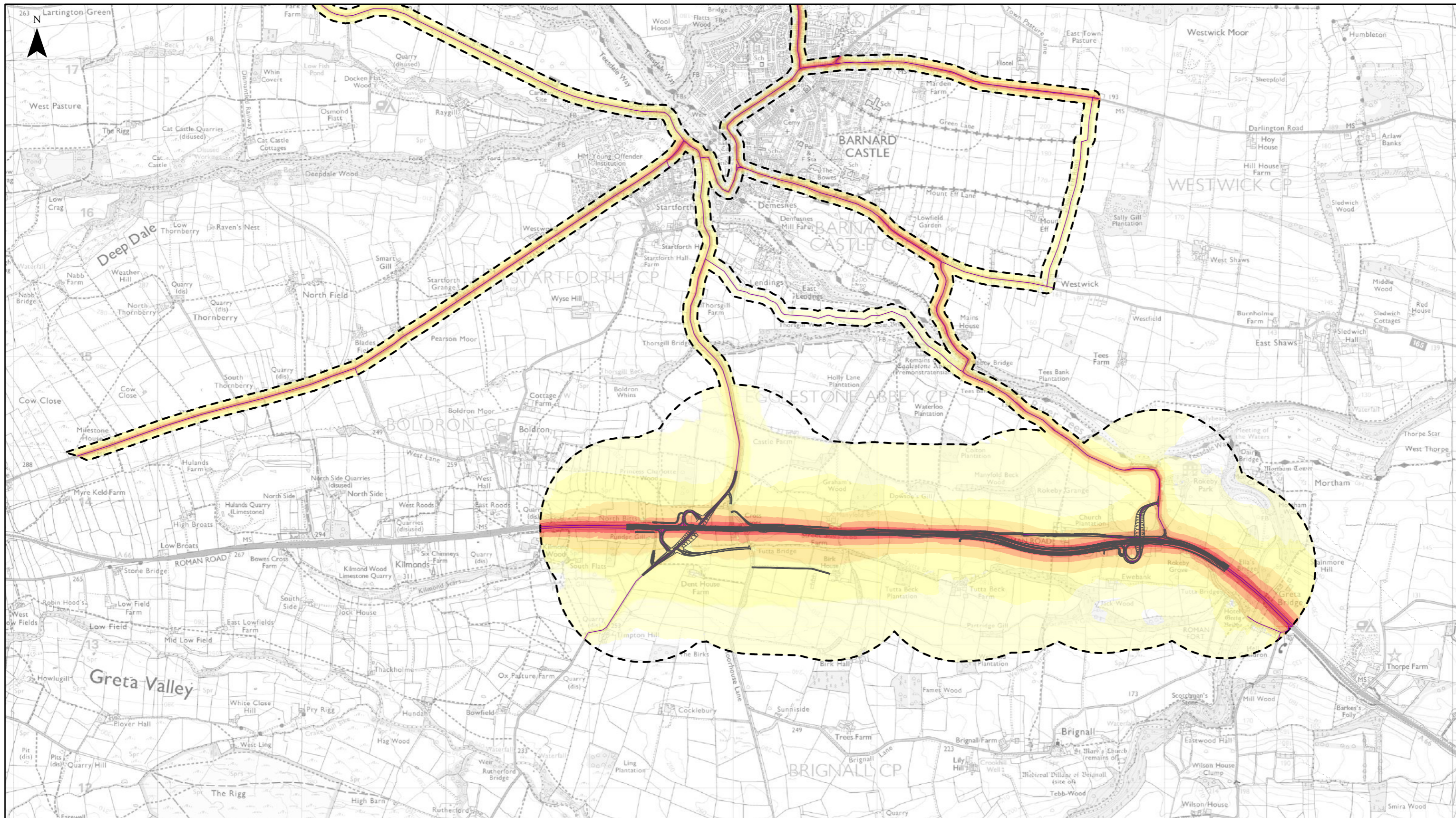
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		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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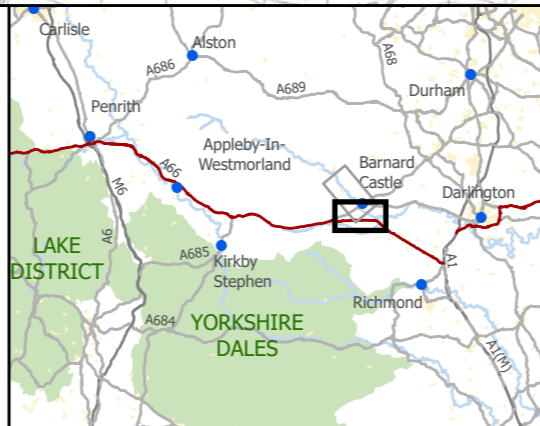
Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.27			
08 Blue Cross Lanes - Black Rokeby Diff			
Sheet 2 of 2			
Cross Lanes to Rokeby			
Map Number	Originator	Volume	
Project HE565627	AMY	ENV	
S00	MP	LN	008081
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



— Blue-Red Alternative  
 - - - Study Area  
 — Modelled Road Network - Do-Something Future Year 2046

**Noise Level From Roads in Study Area - Do-Something Future Year 2046**

Daytime dBL <sub>Aeq, 16hr</sub>	Night-time dBL <sub>Aeq, 8hr</sub>
≤ 47	< 40
47 - 52	40 - 45
52 - 57	45 - 50
57 - 62	50 - 55
62 - 67	55 - 60
> 67	> 60



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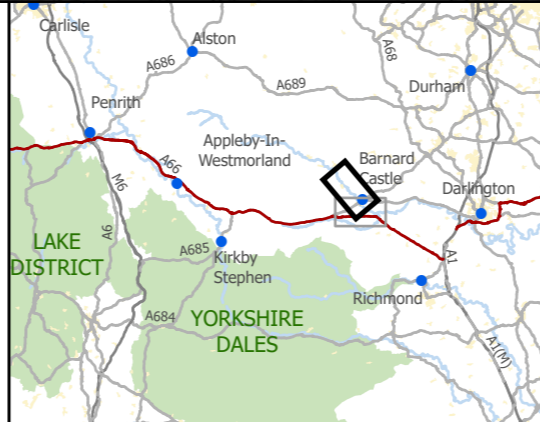
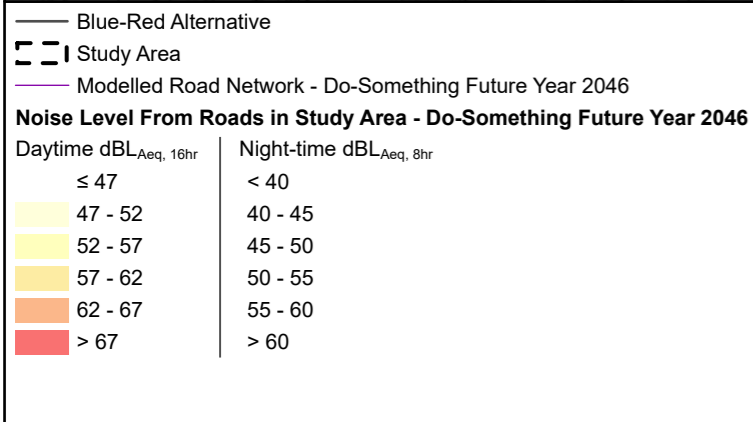
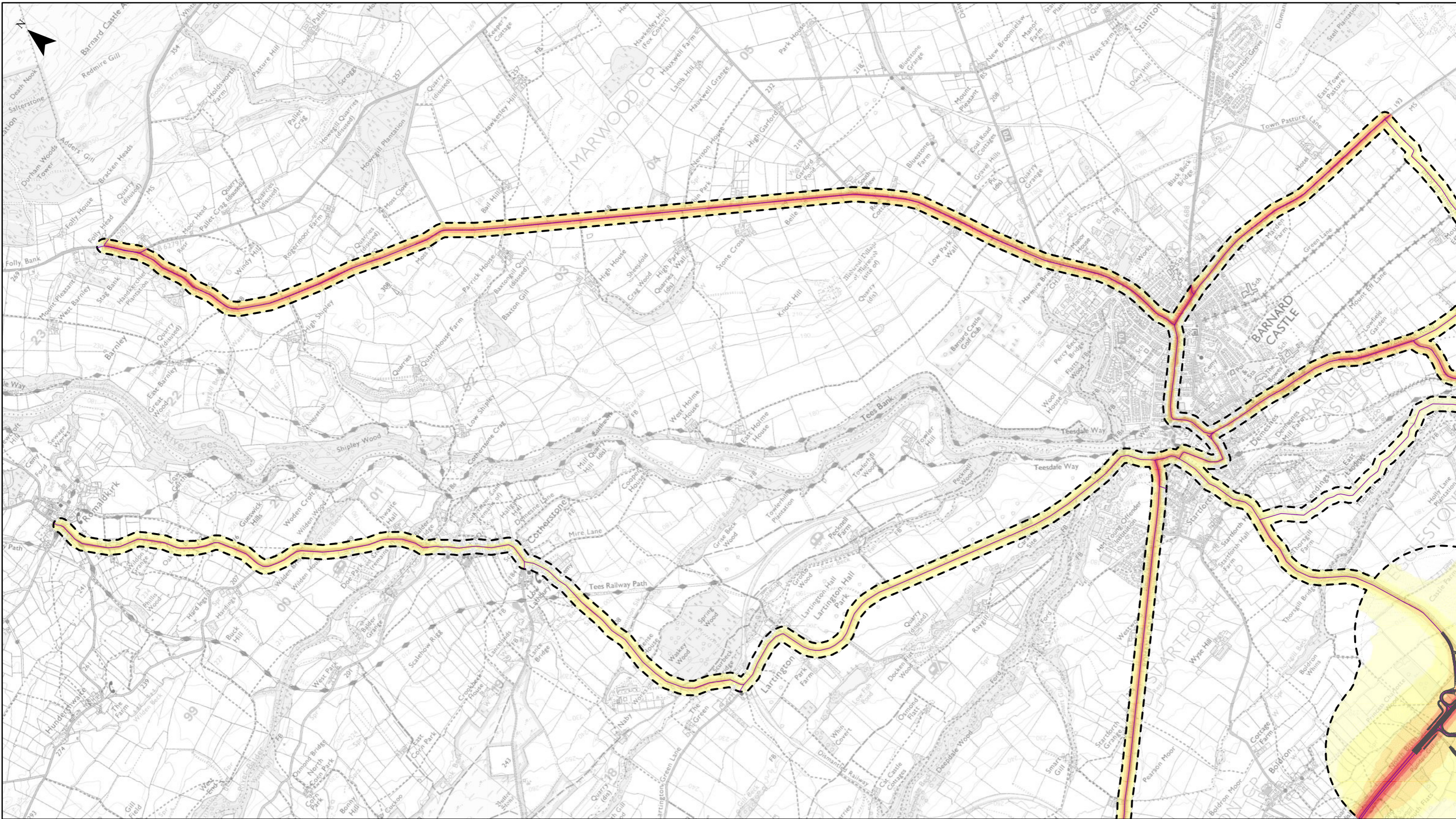
Project Name  
**A66 Northern Trans-Pennine**

Map Title  
**Figure 12.28**

**08 Blue Cross Lanes - Red Rokeby DSFY**

Sheet 1 of 2  
**Cross Lanes to Rokeby**

Map Number	Project	Originator	Volume	
HE565627	S00	AMY	MP - LN - 008082	
Suitability	Location	Type	Role	Number
S4	FIT FOR STAGE APPROVAL			P01

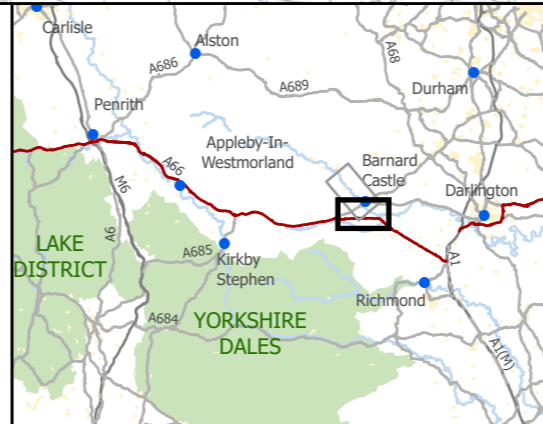
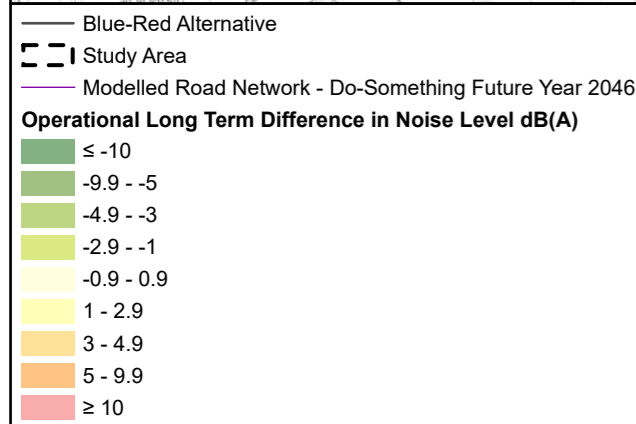


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	21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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Project Name <b>A66 Northern Trans-Pennine</b>			
Map Title <b>Figure 12.28</b>			
Sheet 2 of 2 <b>Cross Lanes to Rokeby</b>			
Map Number Project	Originator	Volume	
HE565627	AMY	ENV	
S00	-	MP	LN - 008083
Location	Type	Role	Number
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01



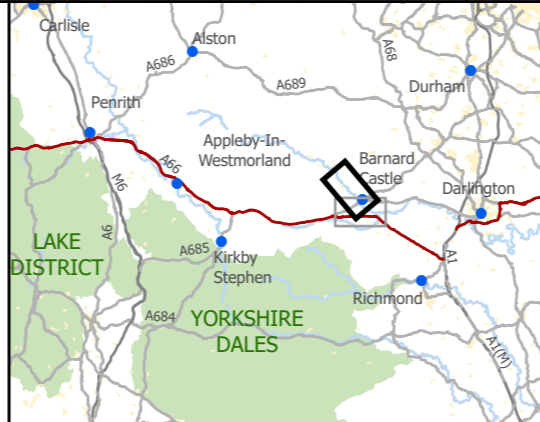
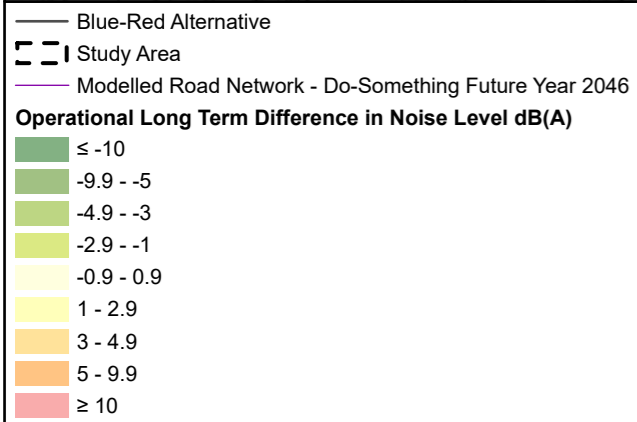
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		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.29			
08 Blue Cross Lanes - Red Rokeby Diff			
Sheet 1 of 2			
Cross Lanes to Rokeby			
Map Number	Project	Originator	Volume
HE565627	S00	AMY	MP - LN - 008084
Suitability	Location		Number
S4	FIT FOR STAGE APPROVAL		P01



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		21/07/21	13/08/21	18/08/21	24/08/21	27/08/21
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Project Name A66 Northern Trans-Pennine			
Map Title Figure 12.29 08 Blue Cross Lanes - Red Rokeby Diff Sheet 2 of 2 Cross Lanes to Rokeby			
Map Number Project HE565627	Originator AMY	Volume ENV	
S00 Location		MP - LN - 008085 Type   Role   Number	
Suitability S4	Suitability Description FIT FOR STAGE APPROVAL		Revision P01