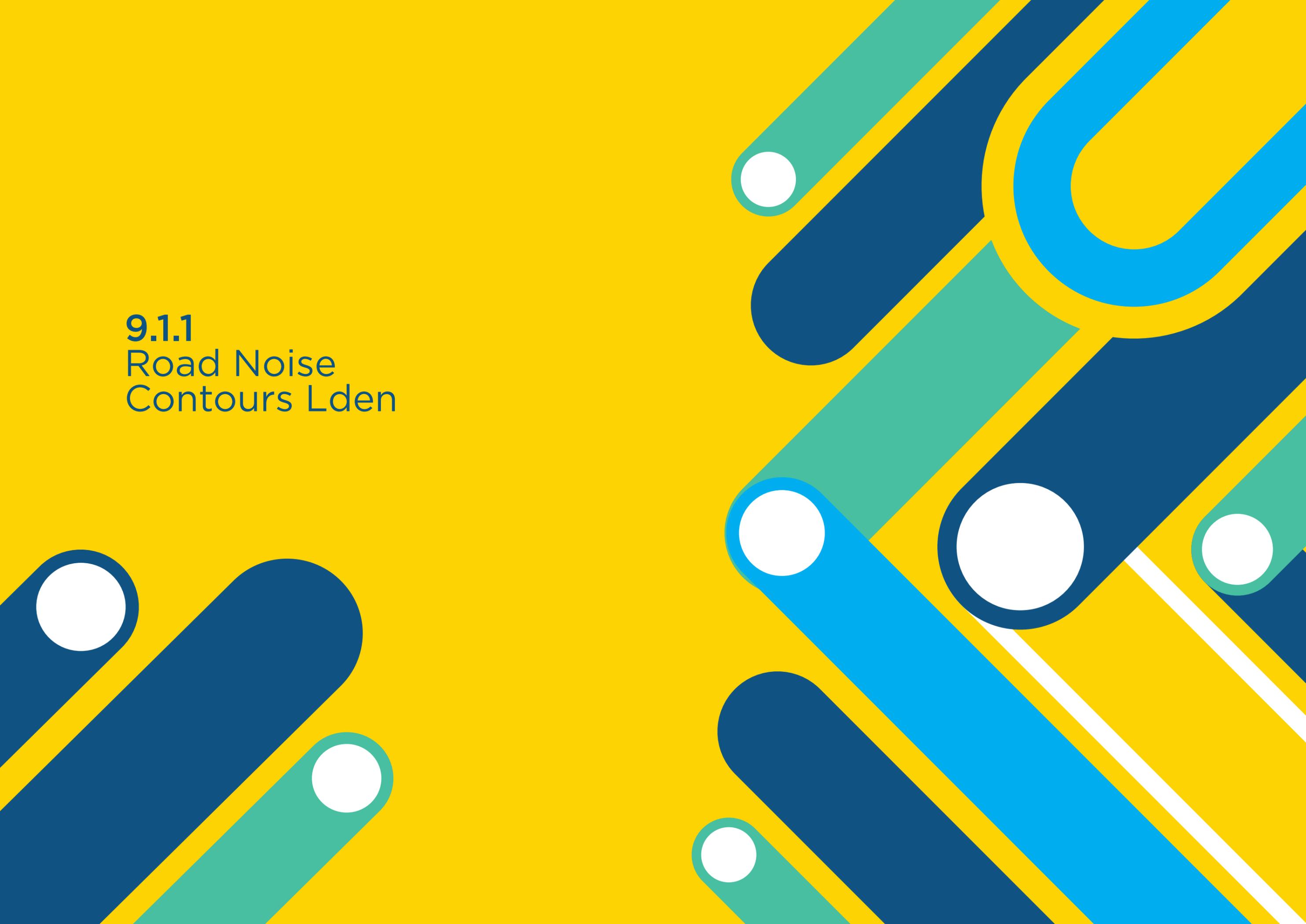
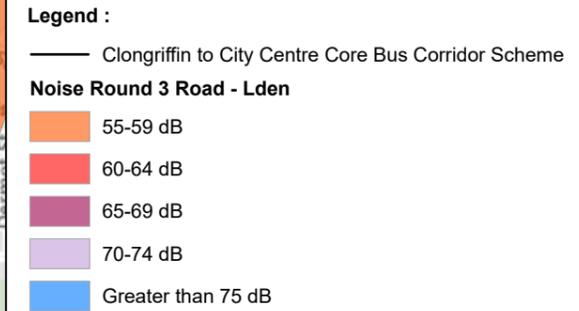
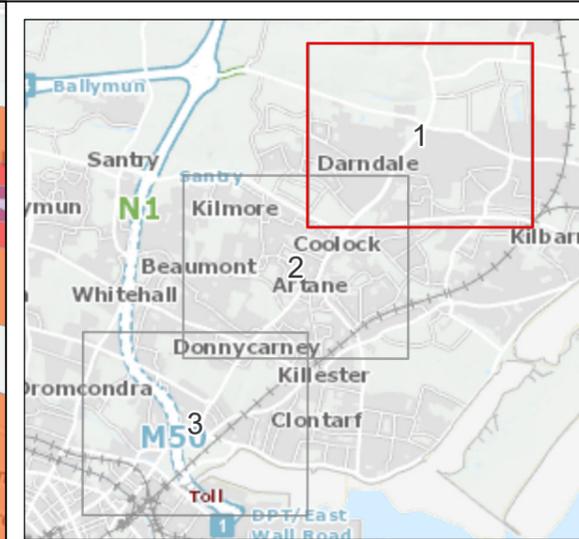
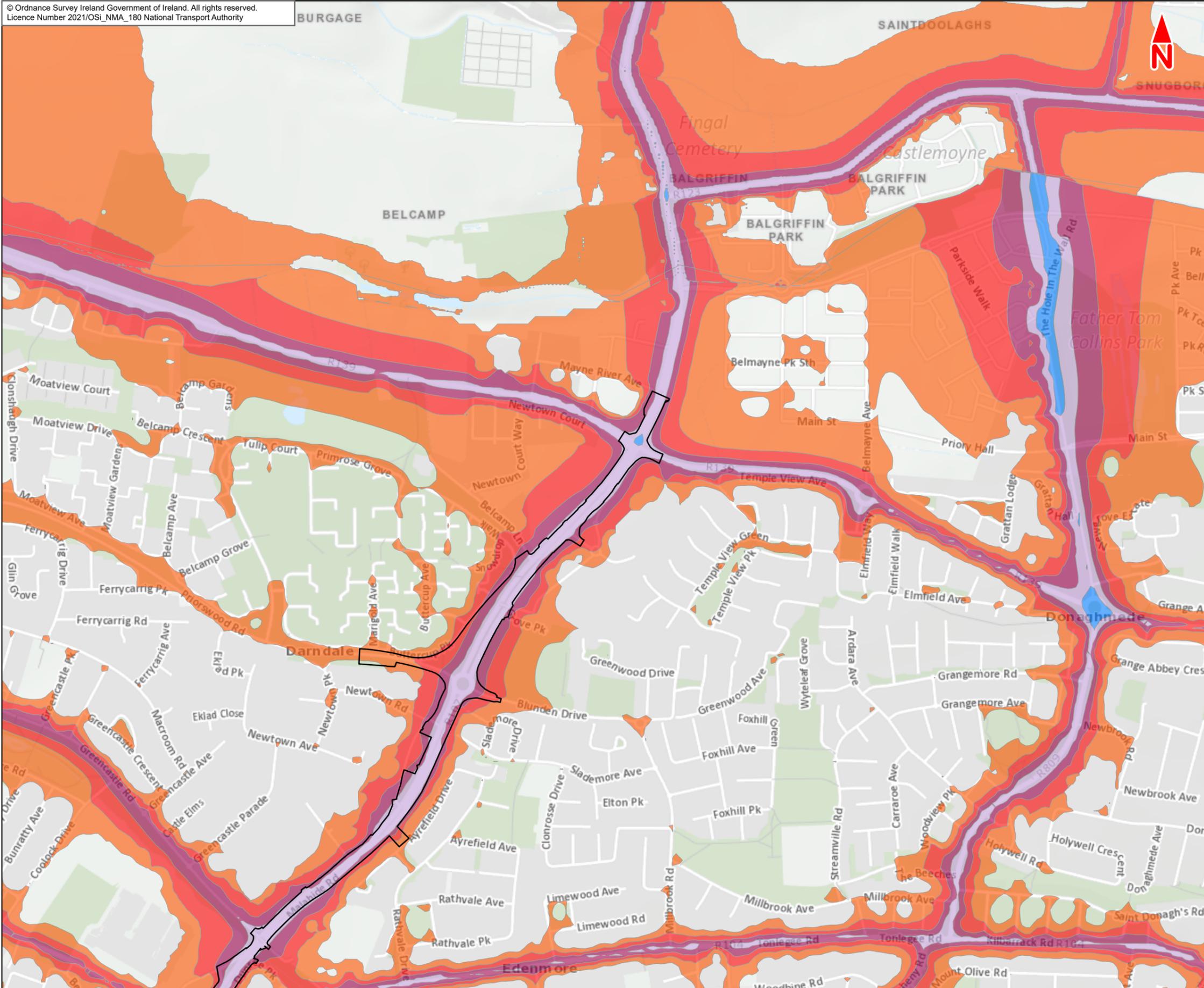


**9.1.1**  
Road Noise  
Contours Lden





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Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

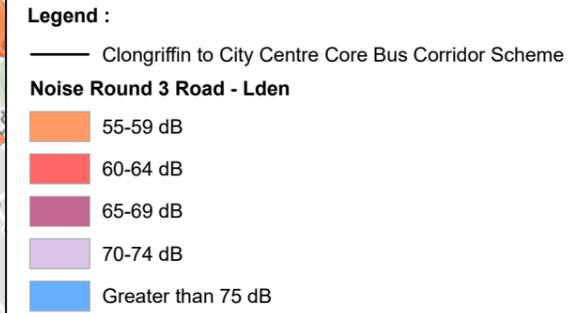
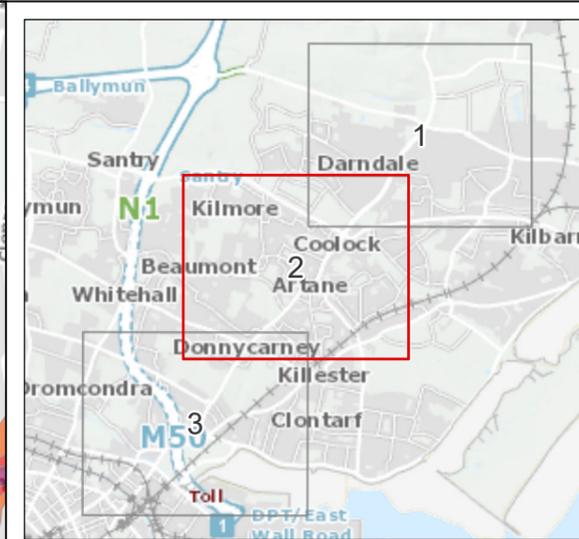
Date: 24/05/2021  
Scale @ A3: 1:10 000  
Project Code: BCIDE  
Originator Code: JAC

Consultant  
**JACOBS ARUP SYSTRA**

Drawn: HCH  
Checked: SW  
Approved: DK

QMS Code

Project Title Clongriffin to City Centre Core Bus Corridor Scheme			
Drawing Title Figure 9.1.1 Road Noise Contours Den			
Drawing File Reference BCIDE-JAC-ENV NV-0001_XX_00-DR-GG-0101	Sheet Number 1 of 3	Status S3	Rev L01



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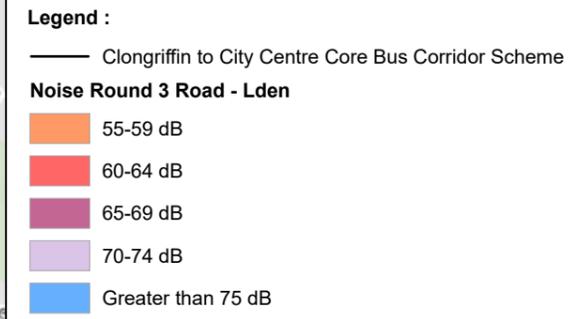
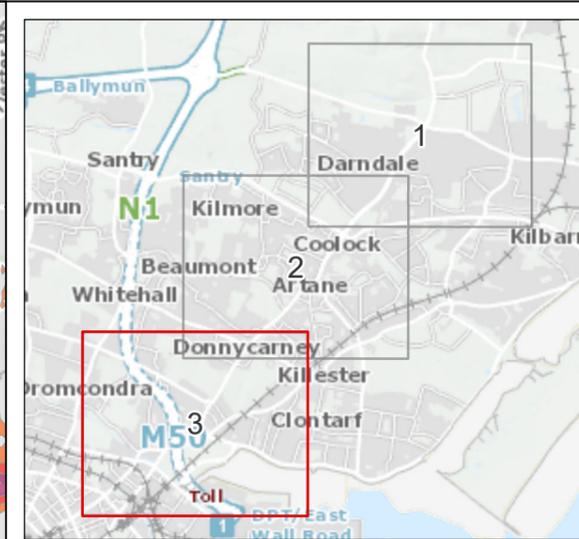
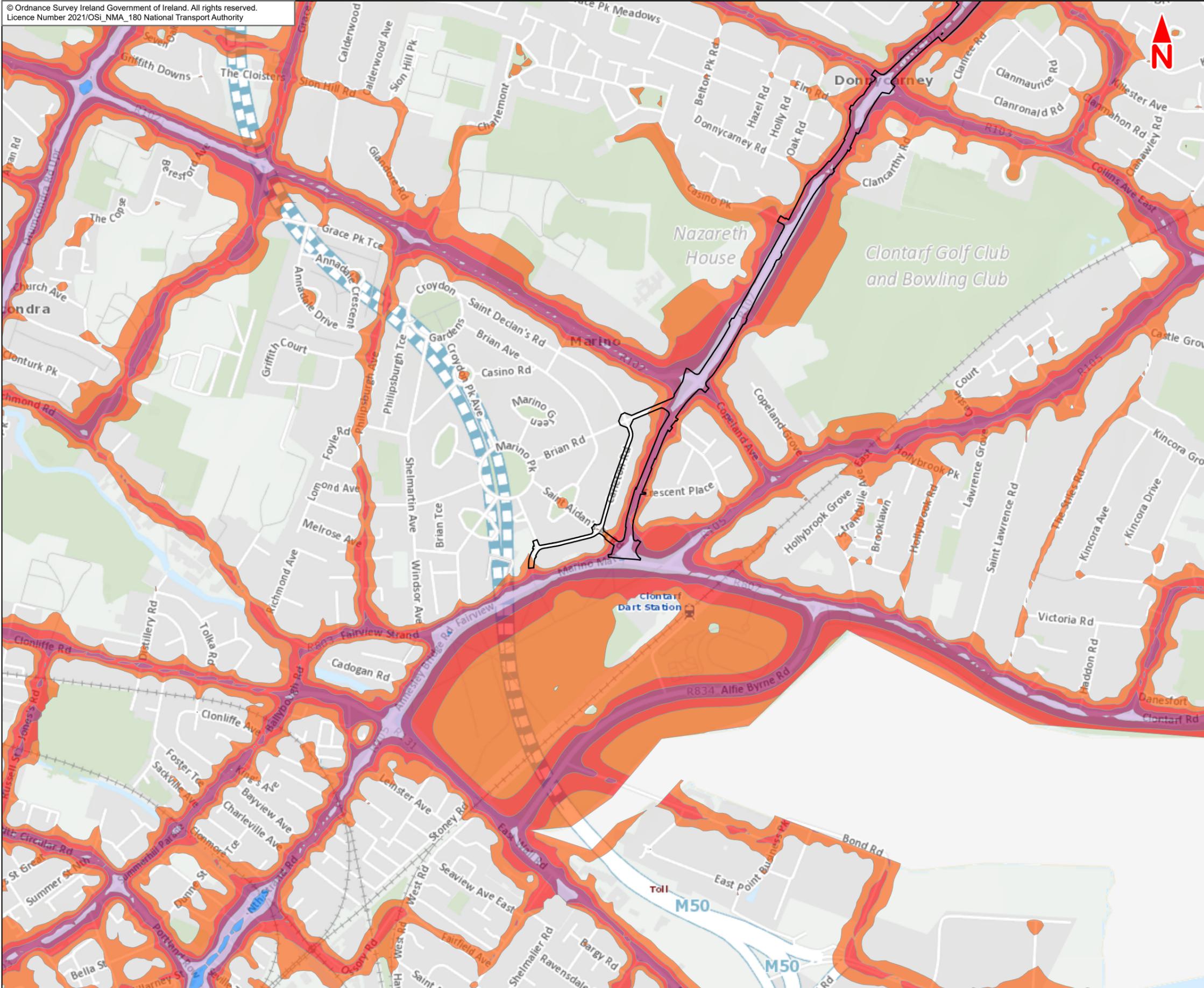
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Date 24/05/2021	Scale @ A3 1:10 000	Drawn HCH	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Project Title Clongriffin to City Centre Core Bus Corridor Scheme				
Drawing Title Figure 9.1.1 Road Noise Contours Den				
Drawing File Reference BCIDE-JAC-ENV NV-0001_XX_00-DR-GG-0102	Sheet Number 2 of 3	Status S3	Rev L01	



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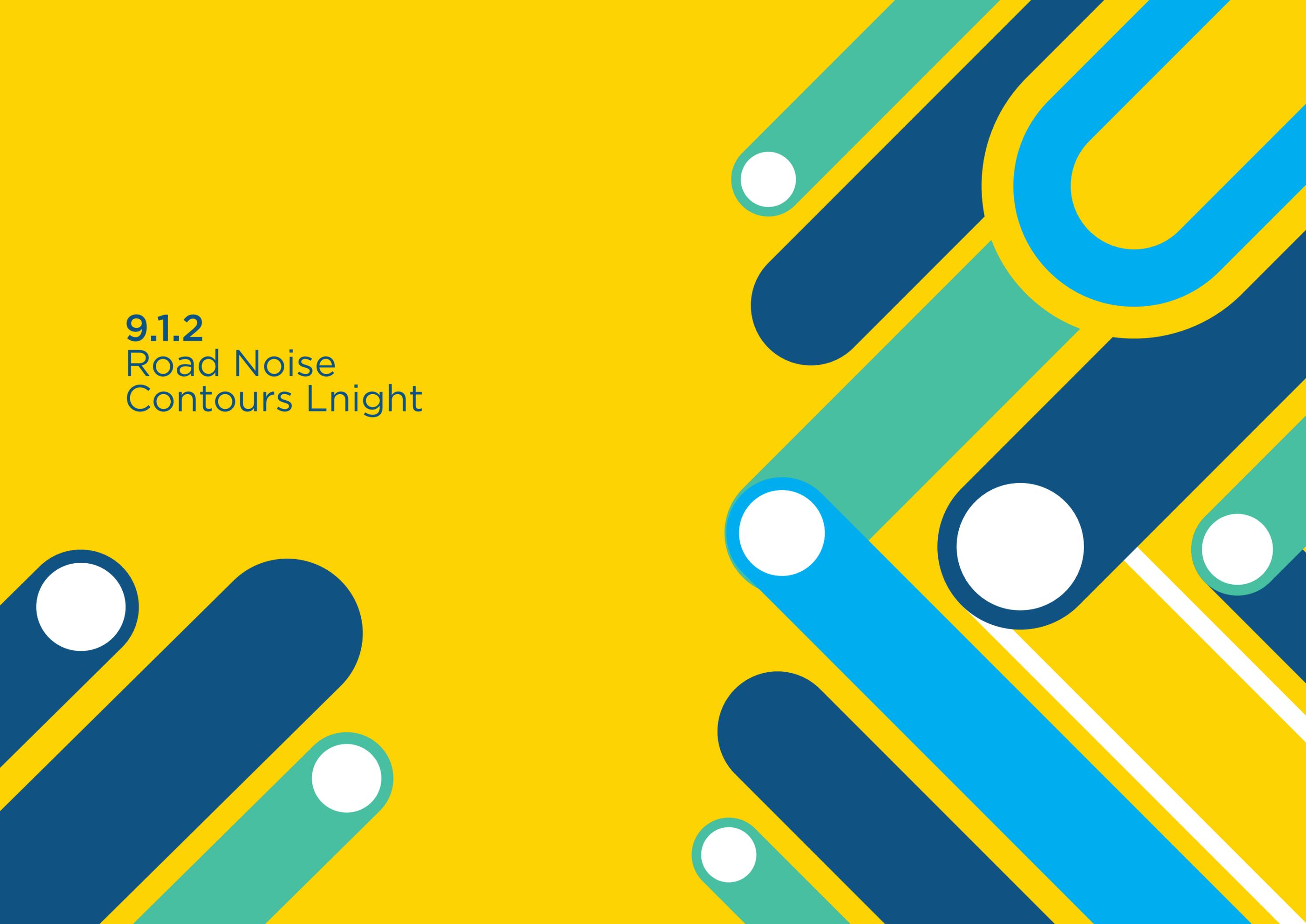


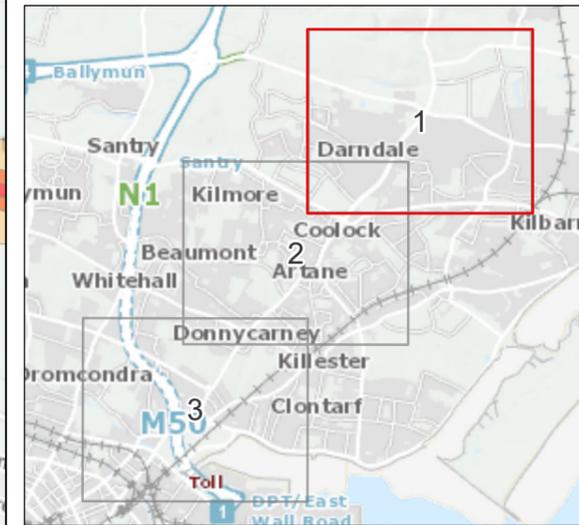
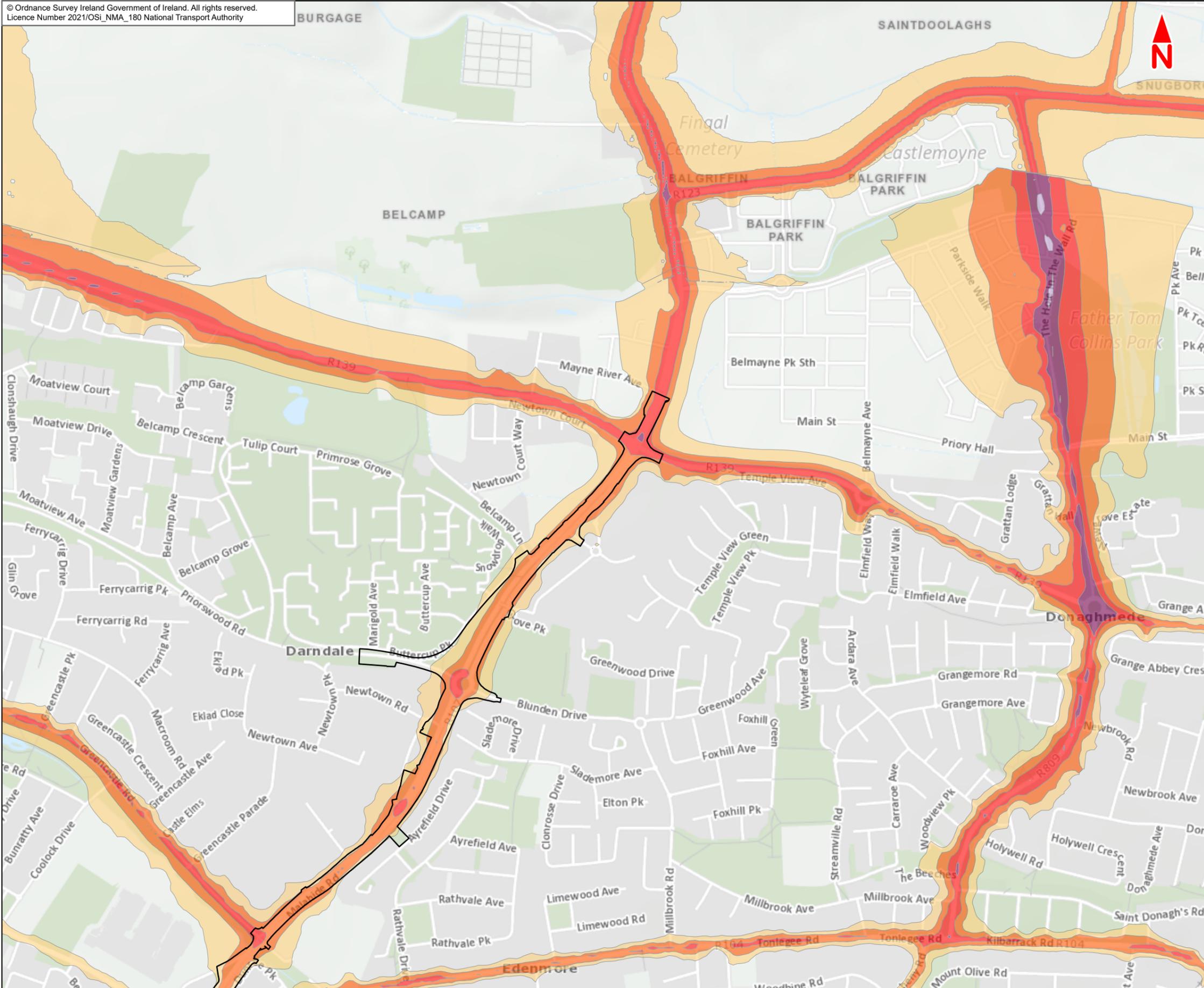
Rev	Date	Drn	Chk'd	App'd	Description
L01	May 2021	HCH	SW	DK	For Client Review

Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 24/05/2021	Scale @ A3 1:10 000	Drawn HCH	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Project Title Clongriffin to City Centre Core Bus Corridor Scheme				
Drawing Title Figure 9.1.1 Road Noise Contours Den				
Drawing File Reference BCIDE-JAC-ENV NV-0001_XX_00-DR-GG-0103	Sheet Number 3 of 3	Status S3	Rev L01	

**9.1.2**  
Road Noise  
Contours Lnight





**Legend :**

— Clongriffin to City Centre Core Bus Corridor Scheme

**Noise Round 3 Road - Night**

- 50-54 dB
- 55-59 dB
- 60-64 dB
- 65-69 dB
- Greater than 70 dB

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National Transport Authority

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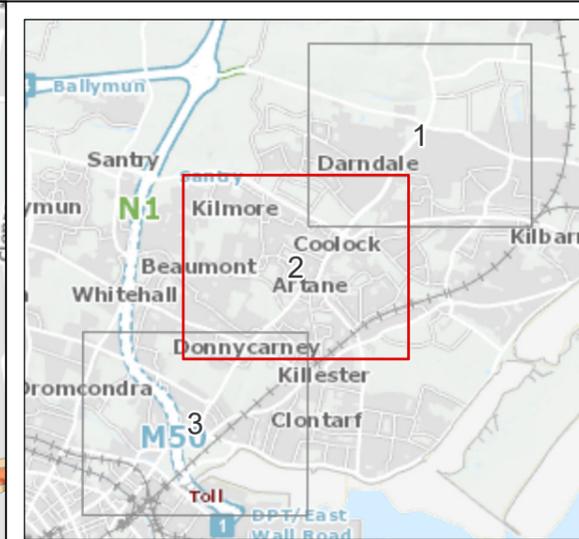
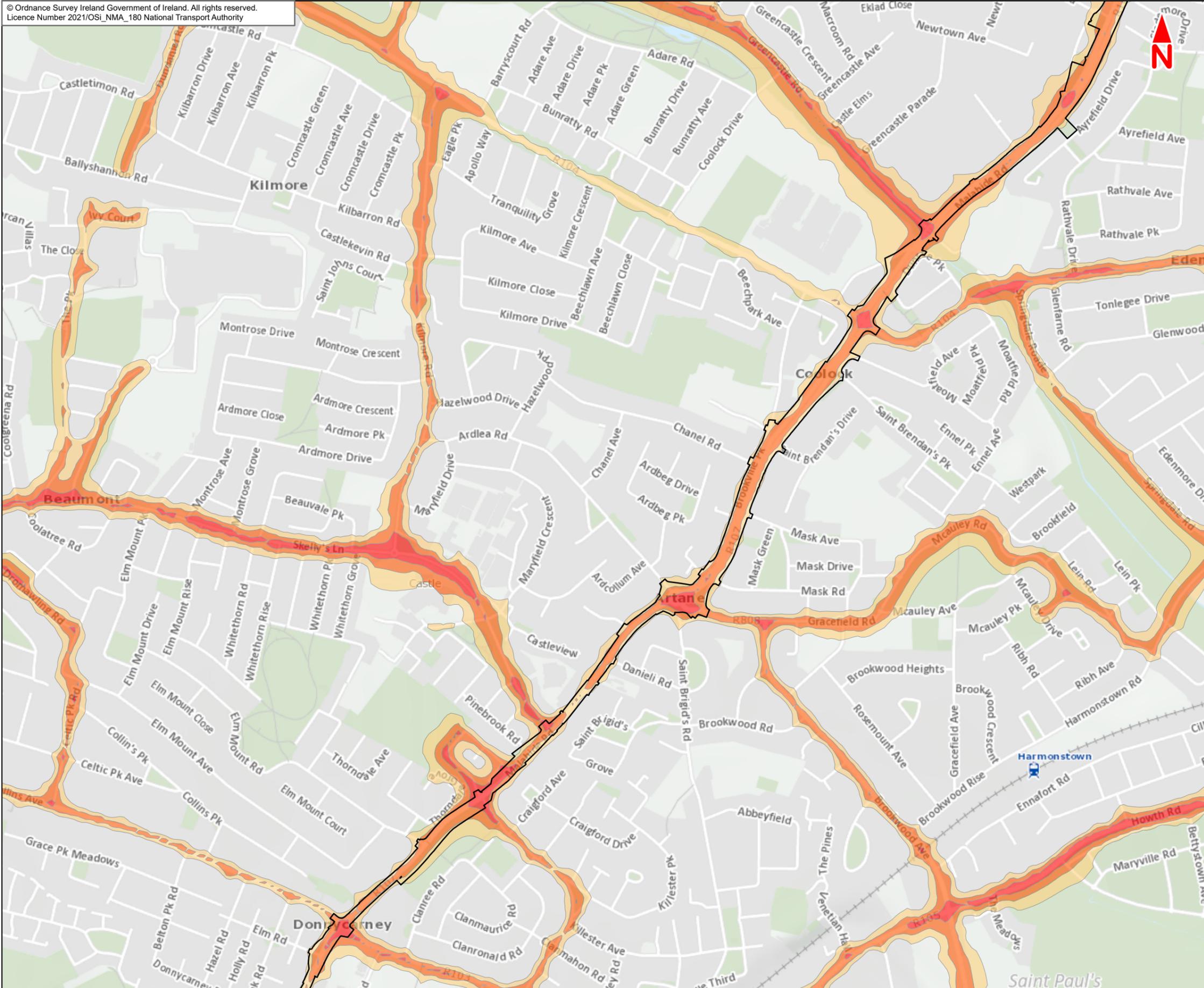
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Originator Code: JAC

Consultant  
**JACOBS ARUP SYSTRA**

Drawn: HCH  
Checked: SW  
Approved: DK

QMS Code

Project Title Clongriffin to City Centre Core Bus Corridor Scheme			
Drawing Title Figure 9.1.2 Road Noise Contours Night			
Drawing File Reference BCIDE-JAC-ENV NV-0001_XX_00-DR-GG-0201	Sheet Number 1 of 3	Status S3	Rev L01



**Legend :**

- Clongriffin to City Centre Core Bus Corridor Scheme

**Noise Round 3 Road - Night**

- 50-54 dB
- 55-59 dB
- 60-64 dB
- 65-69 dB
- Greater than 70 dB

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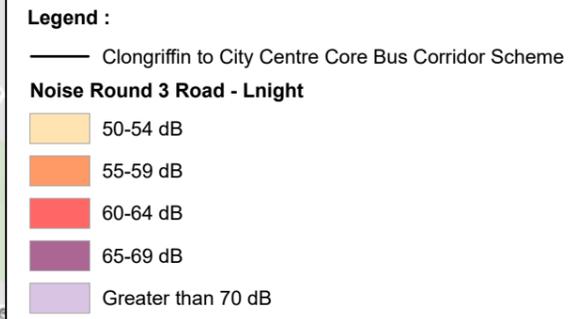
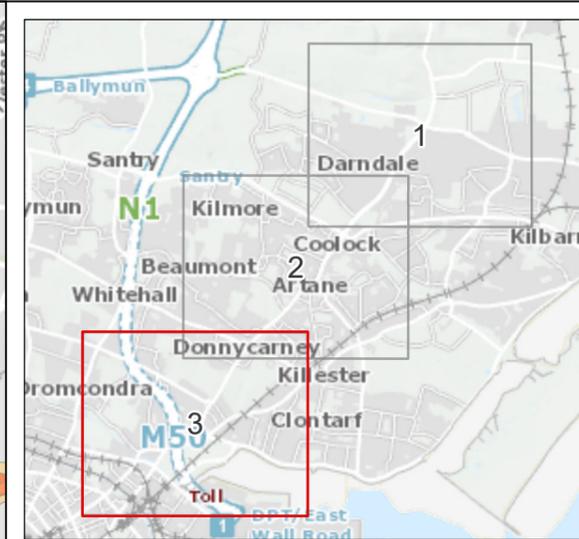
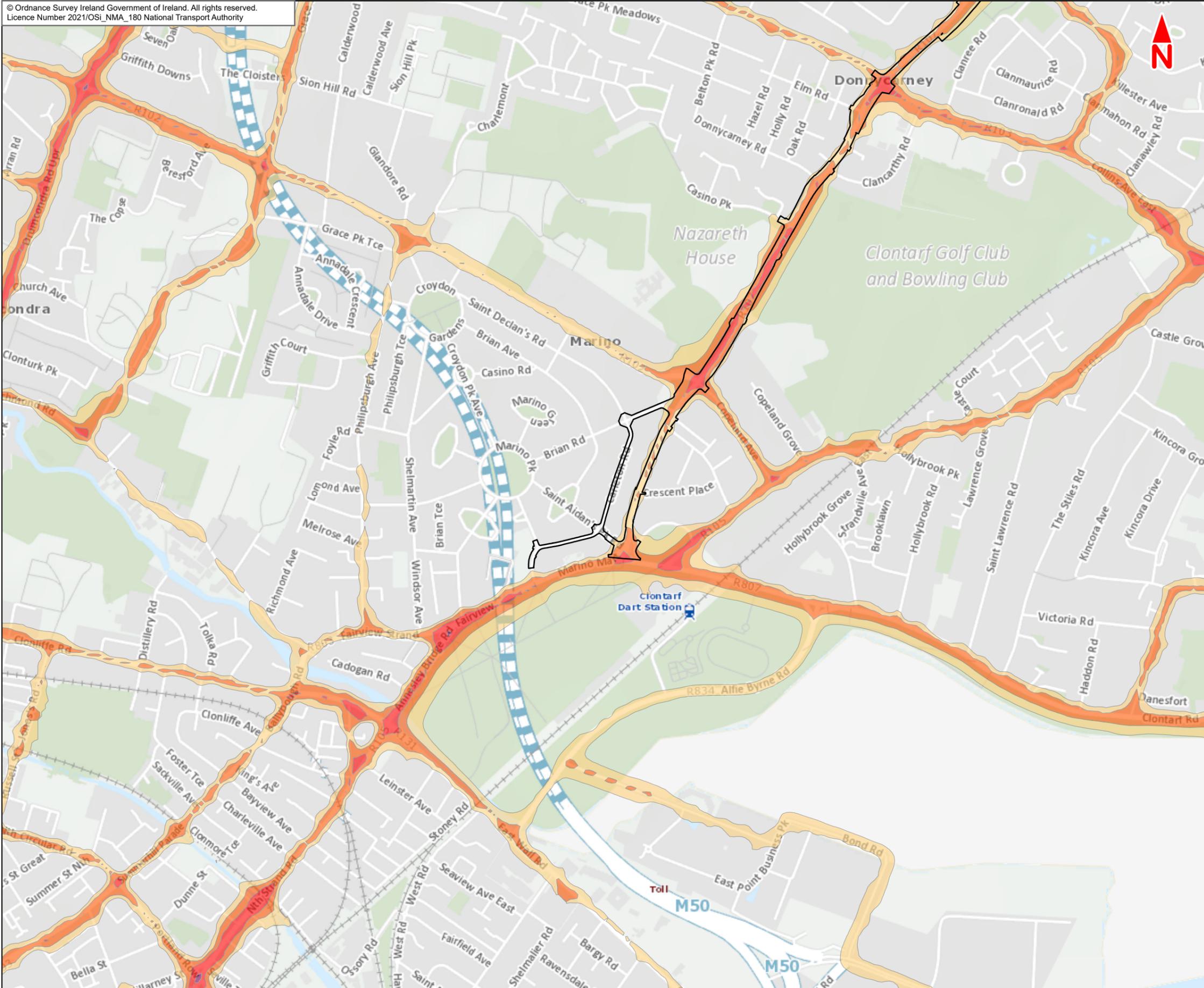
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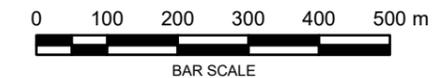
Consultant: **JACOBS ARUP SYSTRA**

Date: 24/05/2021 | Scale @ A3: 1:10 000  
 Drawn: HCH | Checked: SW | Approved: DK  
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Project Title: Clongriffin to City Centre Core Bus Corridor Scheme			
Drawing Title: Figure 9.1.2 Road Noise Contours Night			
Drawing File Reference: BCIDE-JAC-ENV NV-0001_XX 00-DR-GG-0202	Sheet Number: 2 of 3	Status: S3	Rev: L01



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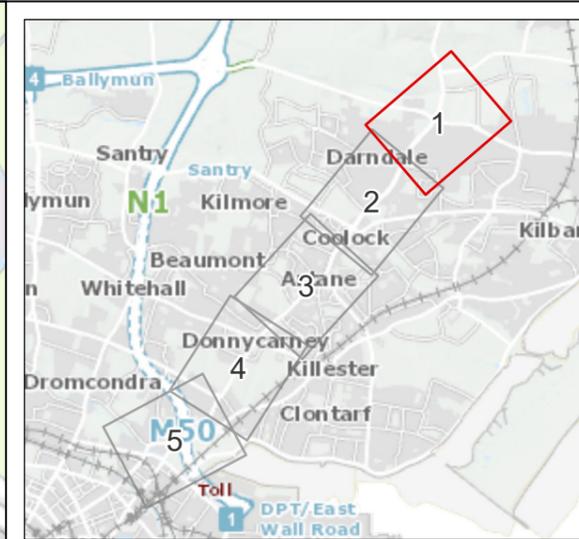
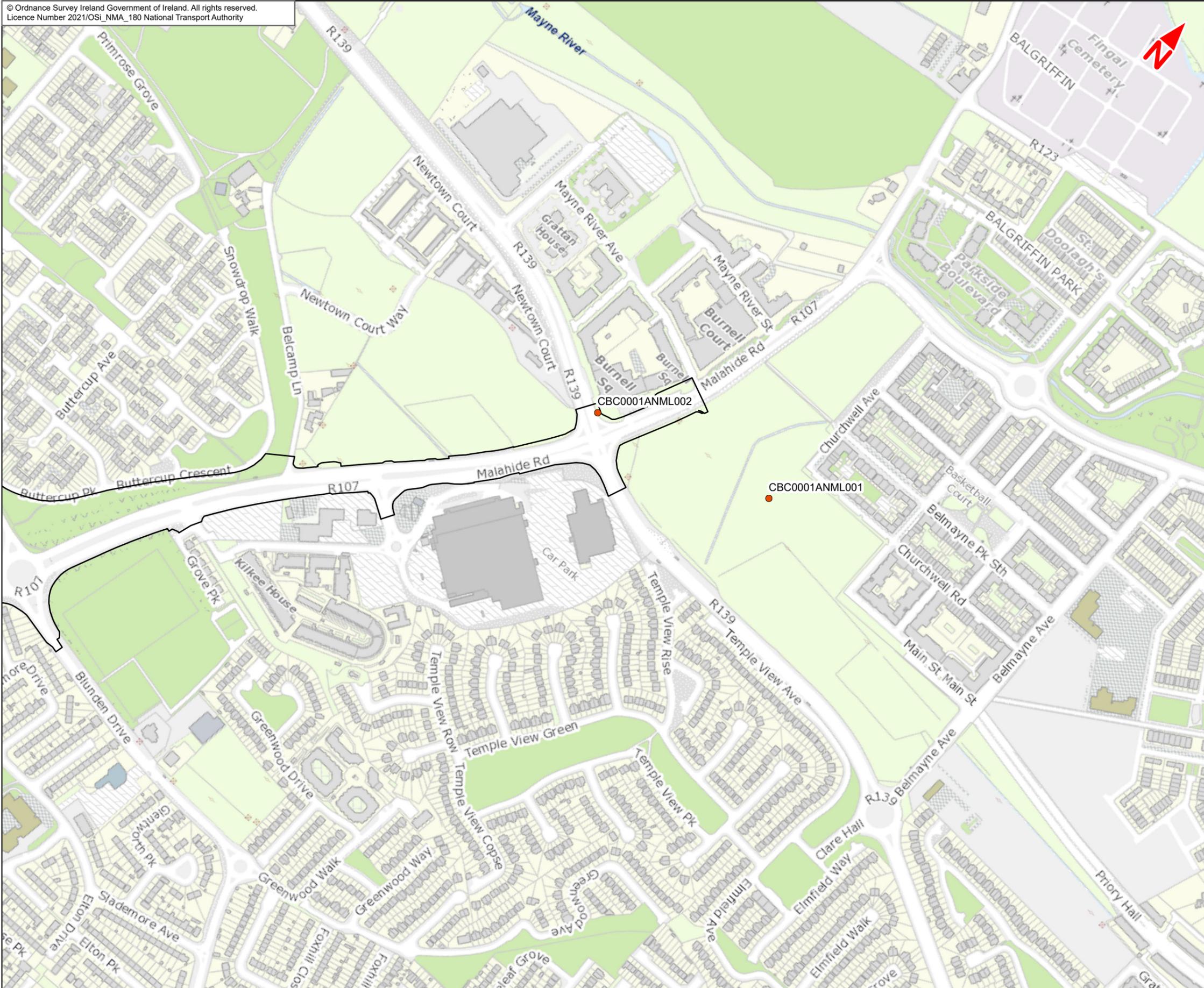
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L01	May 21	HCH	SW	DK	For Client Review

Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 24/05/2021	Scale @ A3 1:10 000	Drawn HCH	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Project Title Clongriffin to City Centre Core Bus Corridor Scheme				
Drawing Title Figure 9.1.2 Road Noise Contours Night				
Drawing File Reference BCIDE-JAC-ENV NV-0001_XX_00-DR-GG-0203	Sheet Number 3 of 3	Status S3	Rev L01	

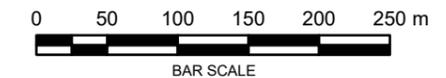
## 9.2 Noise Monitoring Locations





- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
  - Noise Monitoring Locations

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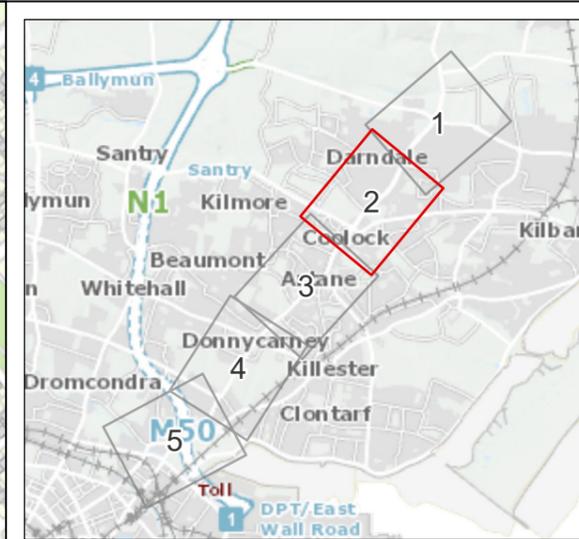
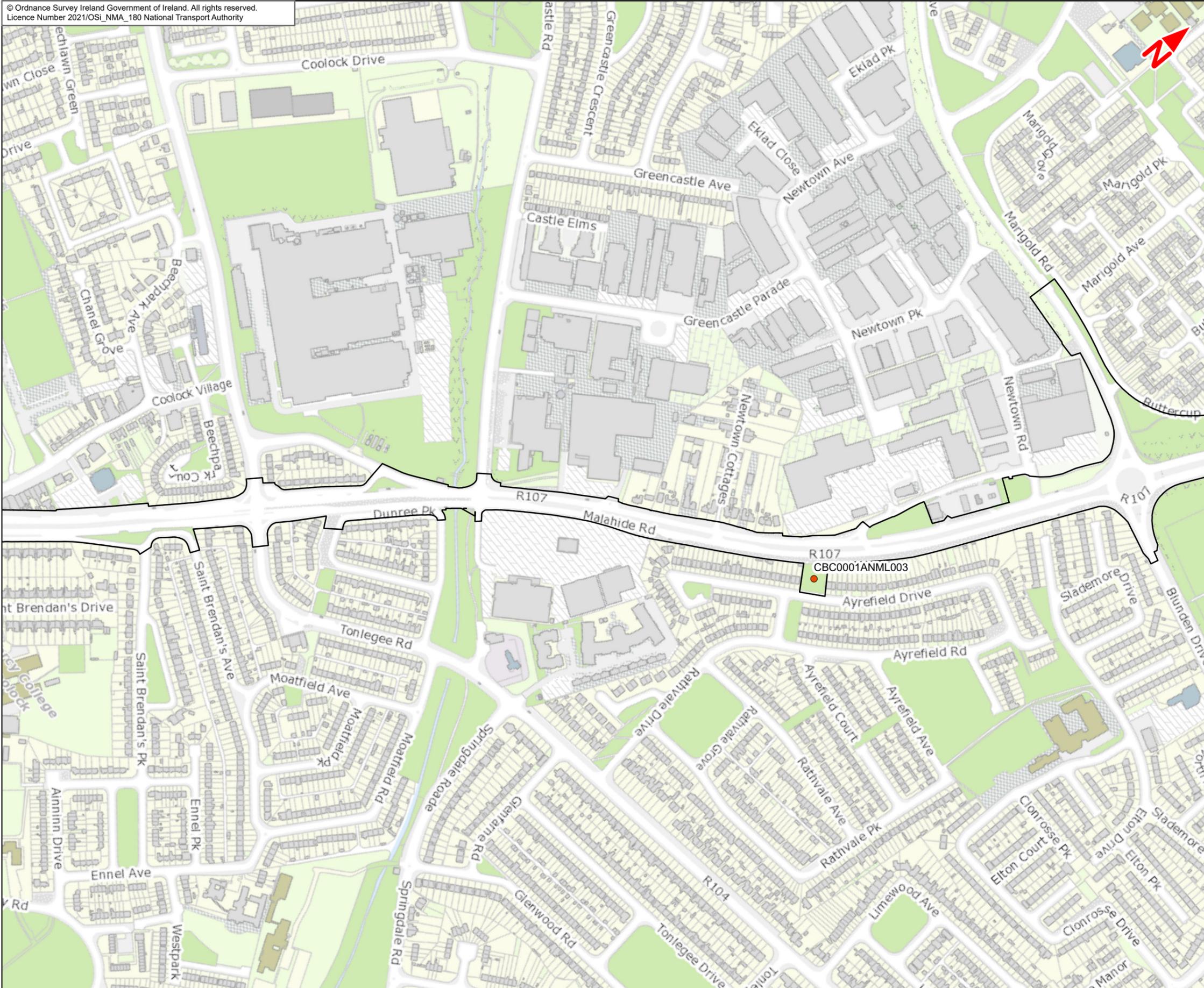
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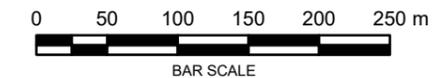
Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 24/05/2021	Scale @ A3 1:5 000	Drawn HCH	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Project Title Clongriffin to City Centre Core Bus Corridor Scheme				
Drawing Title Figure 9.2 Noise Monitoring Locations				
Drawing File Reference BCIDE-JAC-ENV NV-0001_XX_00-DR-GG-0301	Sheet Number 1 of 5	Status S3	Rev L01	



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
  - Noise Monitoring Locations

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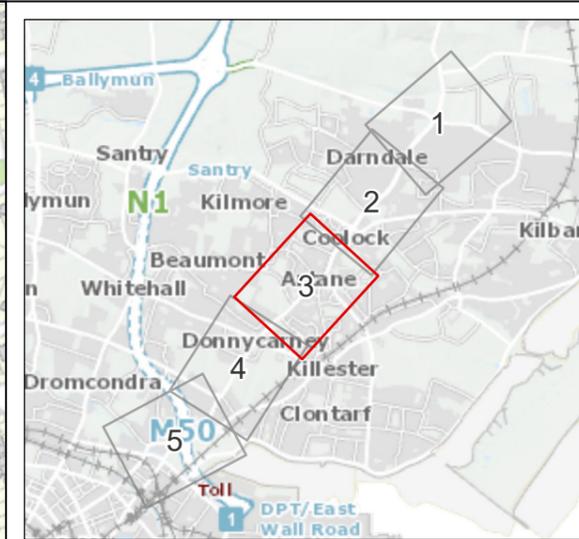
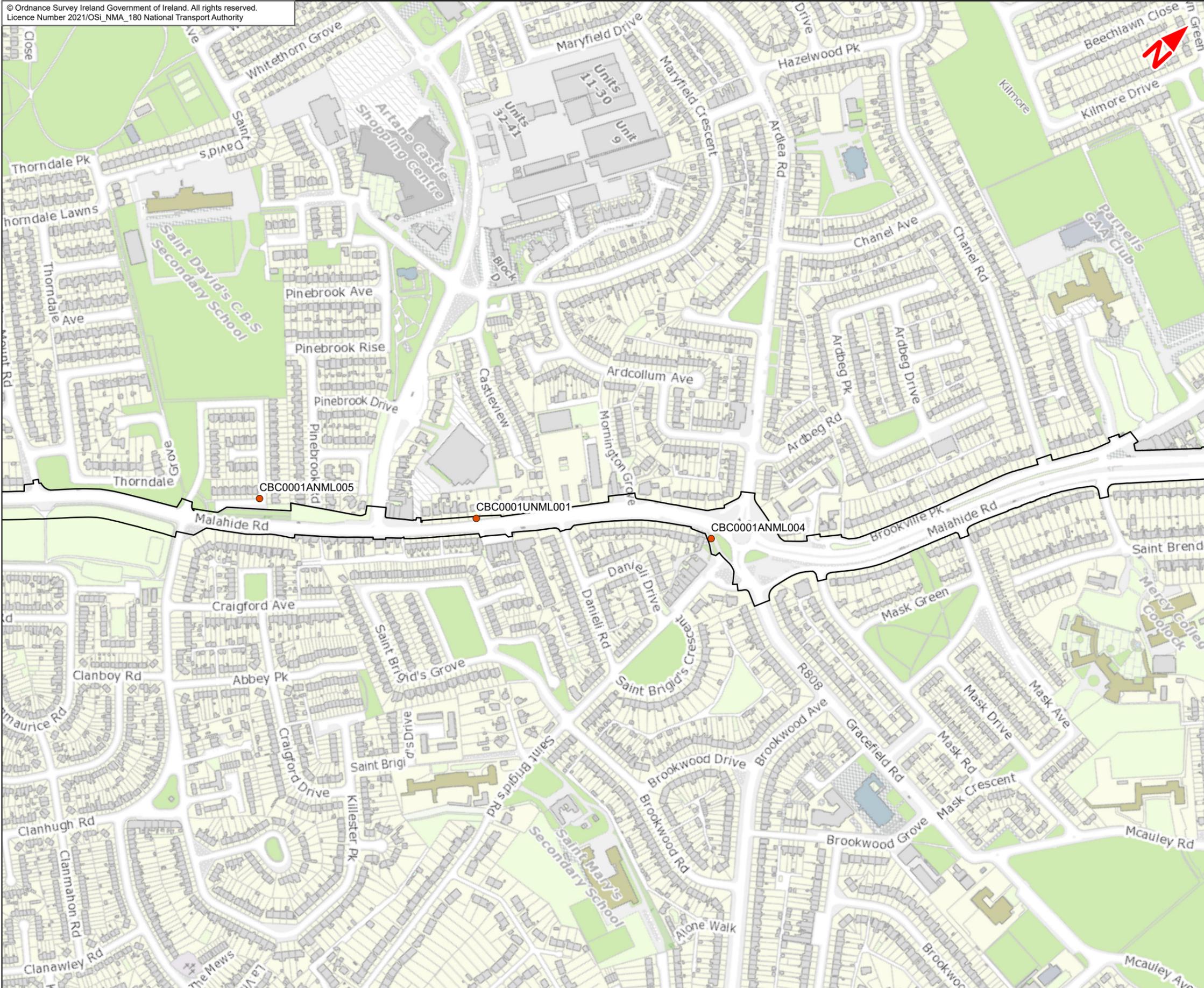
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L01	May 2021	HCH	SW	DK	For Client Review

Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 24/05/2021	Scale @ A3 1:5 000	Drawn HCH	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

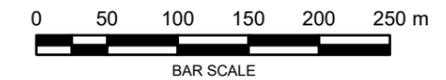
Project Title Clongriffin to City Centre Core Bus Corridor Scheme				
Drawing Title Figure 9.2 Noise Monitoring Locations				
Drawing File Reference BCIDE-JAC-ENV NV-0001_XX_00-DR-GG-0302	Sheet Number 2 of 5	Status S3	Rev L01	



**Legend :**

- Clongriffin to City Centre Core Bus Corridor Scheme
- Noise Monitoring Locations

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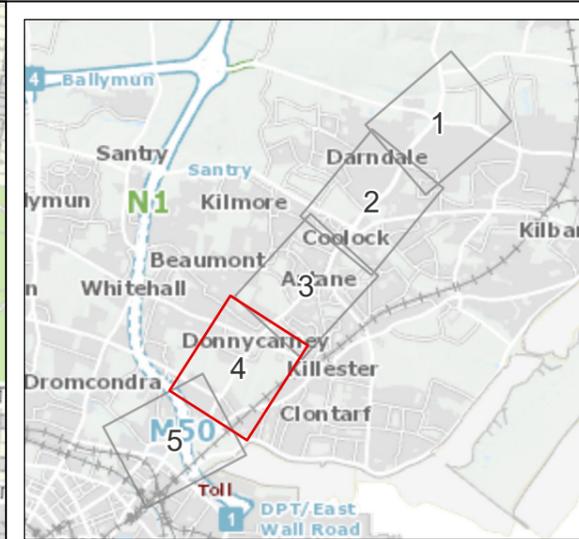
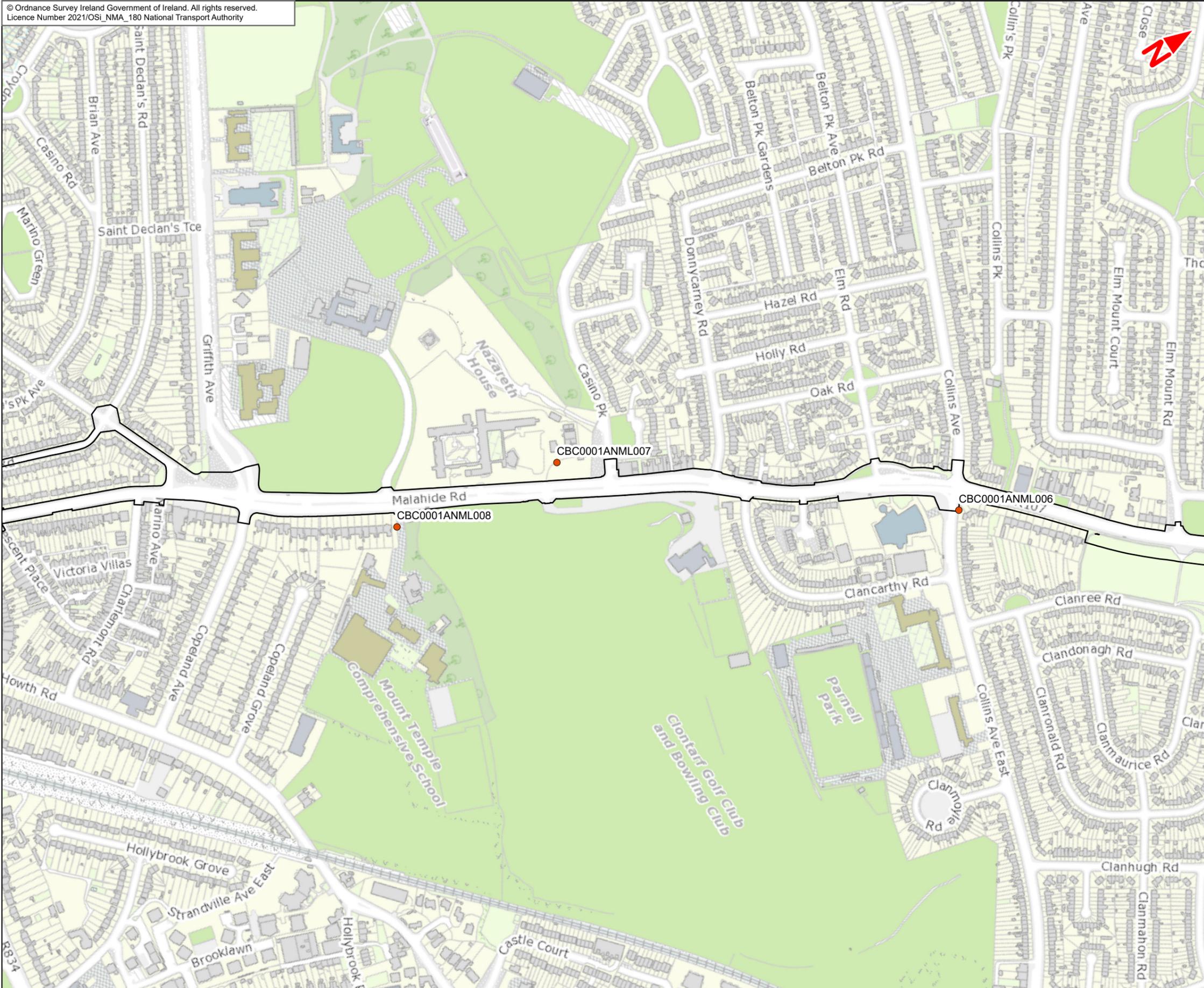
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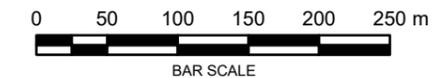
<b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		<b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date	Scale @ A3	Drawn	Checked	Approved
24/05/2021	1:5 000	HCH	SW	DK
Project Code	Originator Code	QMS Code		
BCIDE	JAC			

Project Title				
Clongriffin to City Centre Core Bus Corridor Scheme				
Drawing Title				
Figure 9.2 Noise Monitoring Locations				
Drawing File Reference	Sheet Number	Status	Rev	
BCIDE-JAC-ENV NV-0001_XX 00-DR-GG-0303	3 of 5	S3	L01	



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
  - Noise Monitoring Locations

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Rev	Date	Drn	Chk'd	App'd	Description
L01	May 2021	HCH	SW	DK	For Client Review

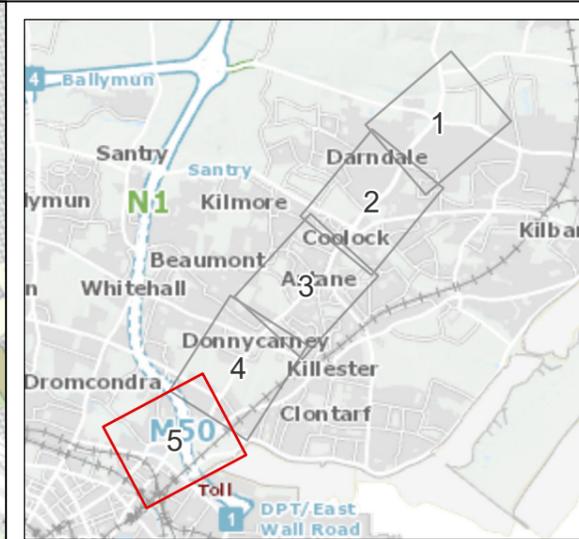
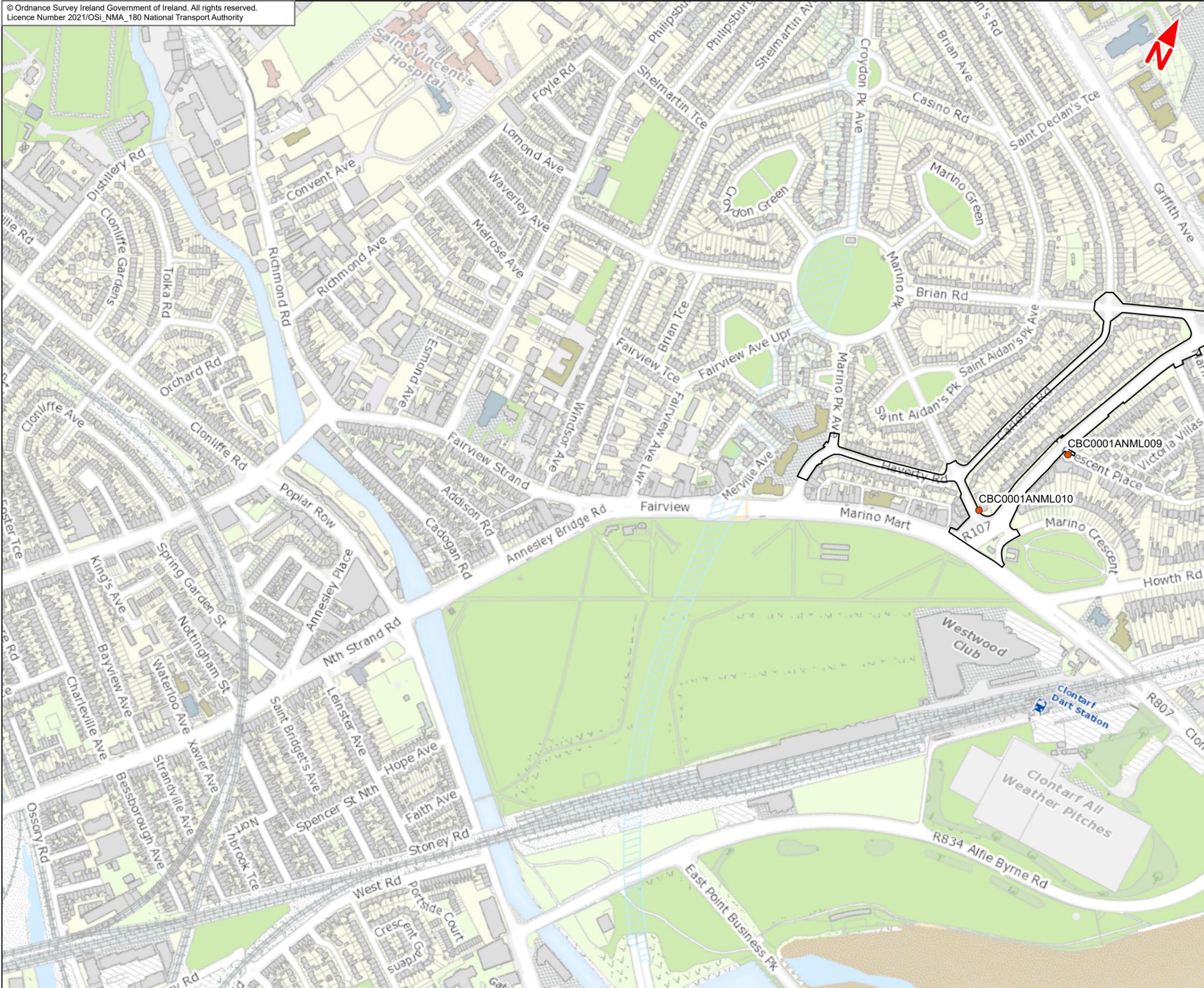
Client: **NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 24/05/2021 | Scale @ A3: 1:5 000  
 Drawn: HCH | Checked: SW | Approved: DK  
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

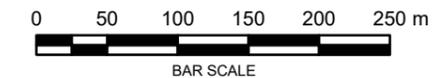
Project Title: Clongriffin to City Centre Core Bus Corridor Scheme			
Drawing Title: Figure 9.2 Noise Monitoring Locations			
Drawing File Reference: BCIDE-JAC-ENV NV-0001_XX 00-DR-GG-0304	Sheet Number: 4 of 5	Status: S3	Rev: L01





- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
  - Noise Monitoring Locations

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L01	May 2021	HCH	SW	DK	For Client Review

Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 24/05/2021	Scale @ A3 1:5 000	Drawn HCH	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

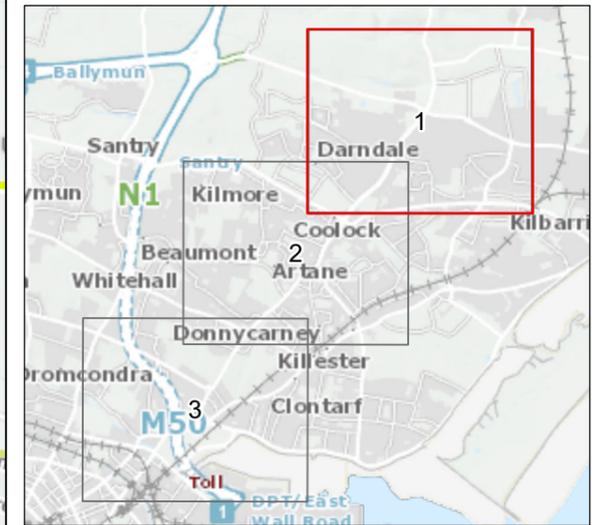
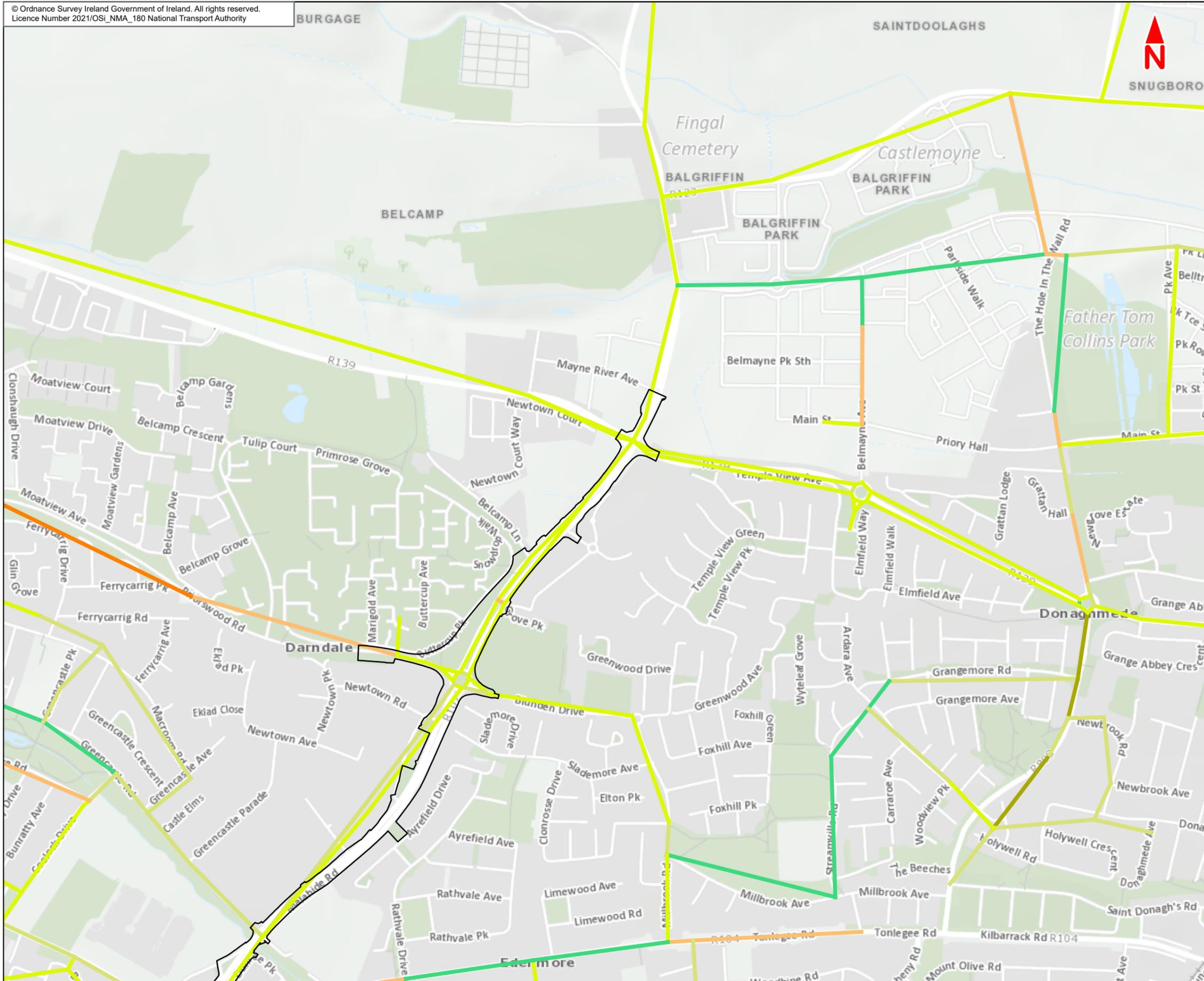
Project Title Clongriffin to City Centre Core Bus Corridor Scheme				
Drawing Title Figure 9.2 Noise Monitoring Locations				
Drawing File Reference BCIDE-JAC-ENV NV-0001_XX_00-DR-GG-0305	Sheet Number 5 of 5	Status S3	Rev L01	

The background is a vibrant yellow. It is decorated with several abstract, overlapping geometric shapes in shades of blue and teal. These shapes include rounded rectangles, elongated ovals, and curved lines, some of which contain white circular cutouts. The shapes are arranged in a dynamic, non-linear pattern, creating a sense of movement and depth. The overall aesthetic is modern and clean.

## 9.3 Construction Traffic Noise Impacts

BURGAGE

SAINTDOOLAGHS



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
- Overall Significance**
- Imperceptible / Positive
  - Not Significant
  - Not Significant - Slight
  - Slight
  - Slight - Moderate
  - Moderate
  - Moderate - Significant

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L01	May 2021	HCH	SW	DK	For Client Review

Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

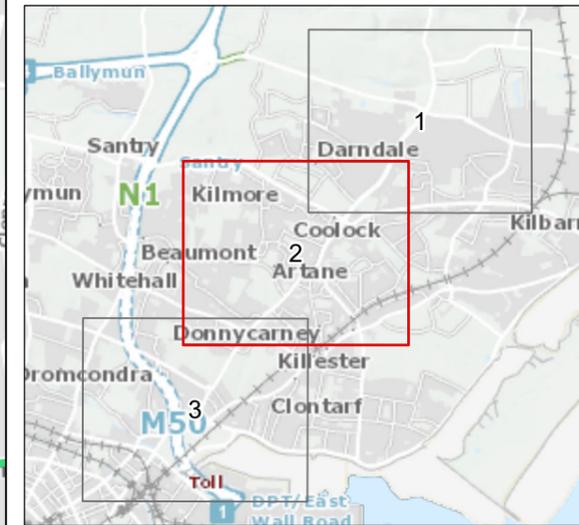
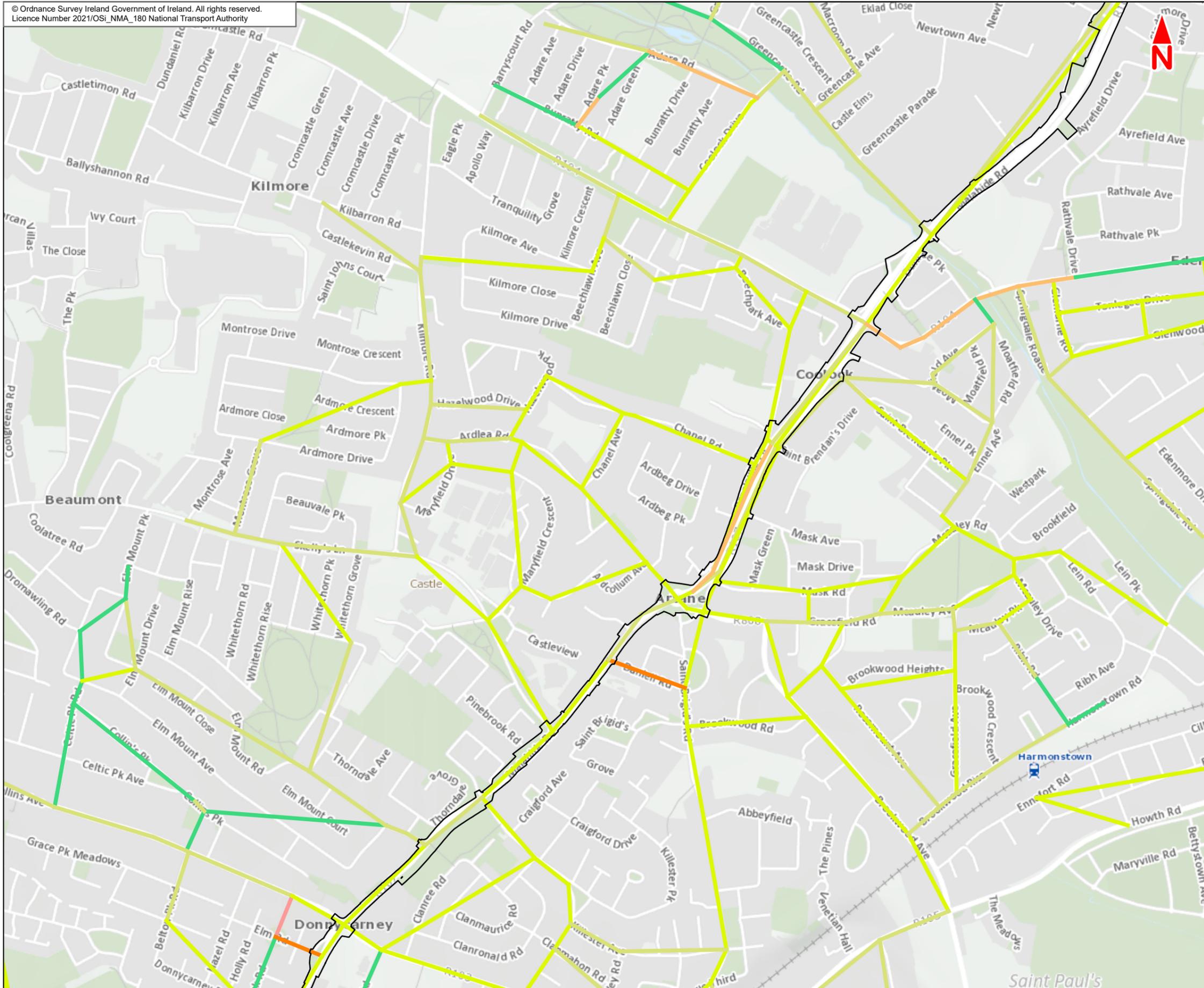
Date: 14/07/2021  
Scale @ A3: 1:10 000  
Project Code: BCIDE  
Originator Code: JAC

Consultant  
**JACOBS ARUP SYSTRA**

Drawn: HCH  
Checked: SW  
Approved: DK

QMS Code

Project Title Clongriffin to City Centre Core Bus Corridor Scheme			
Drawing Title Figure 9.3 Construction Traffic Noise Impacts			
Drawing File Reference BCIDE-JAC-ENV_NV-0001_XX_00-DR-GG-0401	Sheet Number 1 of 3	Status S3	Rev L01



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
- Overall Significance**
- Imperceptible / Positive
  - Not Significant
  - Not Significant - Slight
  - Slight
  - Slight - Moderate
  - Moderate
  - Moderate - Significant

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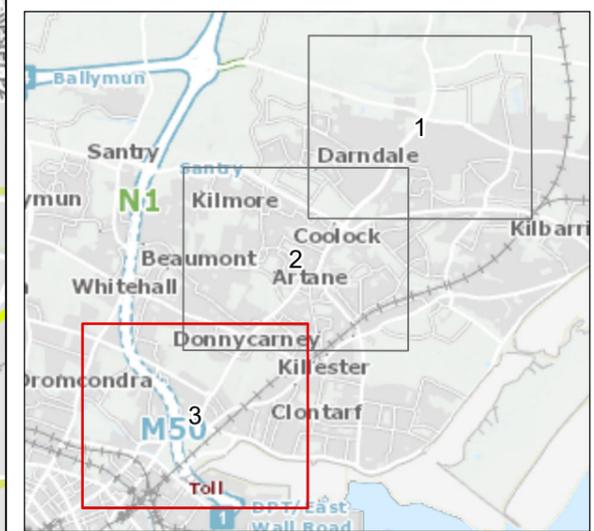
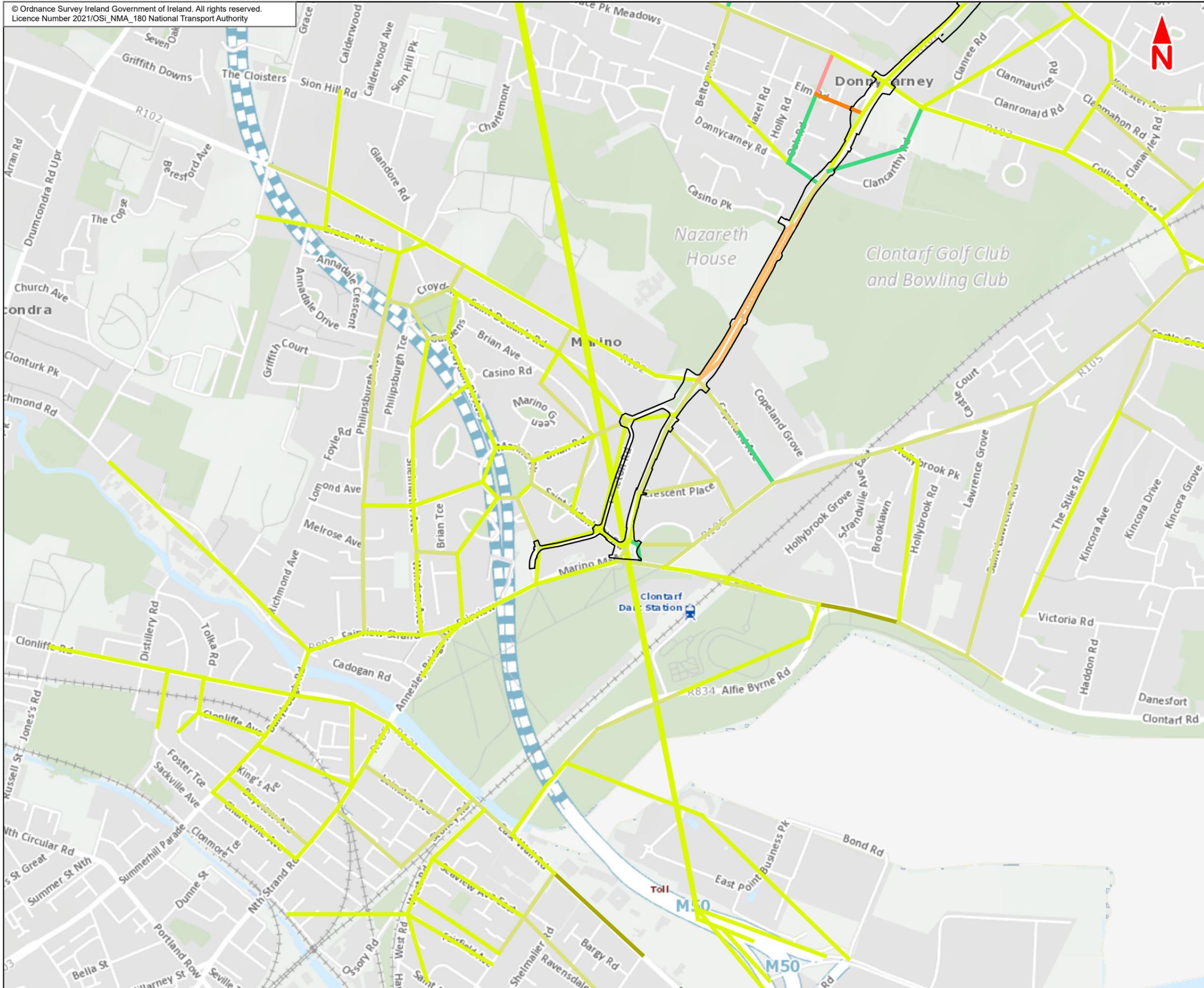
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Client Udarás Náisiúnta Iompair National Transport Authority		Consultant 			
Date	14/07/2021	Scale @ A3	1:10 000	Drawn	HCH
Project Code	BCIDE	Originator Code	JAC	Checked	SW
				Approved	DK

Project Title		Clongriffin to City Centre Core Bus Corridor Scheme			
Drawing Title		Figure 9.3 Construction Traffic Noise Impacts			
Drawing File Reference	BCIDE-JAC-ENV_NV-0001_XX_00-DR-GG-0402	Sheet Number	2 of 3	Rev	L01
Status	S3				



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
- Overall Significance**
- Imperceptible / Positive
  - Not Significant
  - Not Significant - Slight
  - Slight
  - Slight - Moderate
  - Moderate
  - Moderate - Significant

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Project Code	BCIDE	Originator Code	JAC	Checked	SW
				Approved	DK

Project Title		Clongriffin to City Centre Core Bus Corridor Scheme			
Drawing Title		Figure 9.3 Construction Traffic Noise Impacts			
Drawing File Reference	BCIDE-JAC-ENV_NV-0001_XX_00-DR-GG-0403	Sheet Number	3 of 3	Status	S3
Rev	L01				

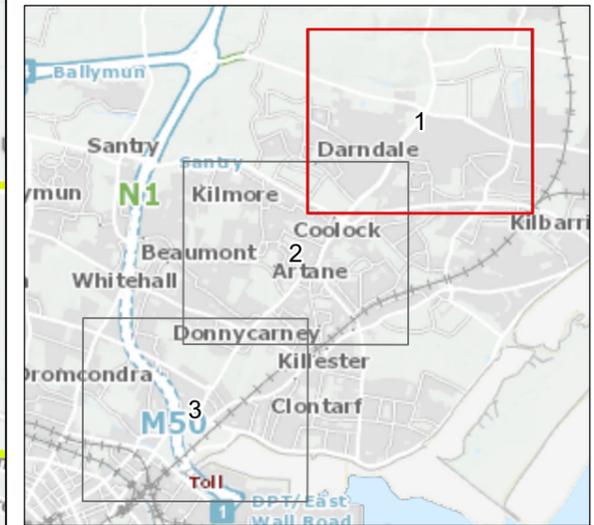
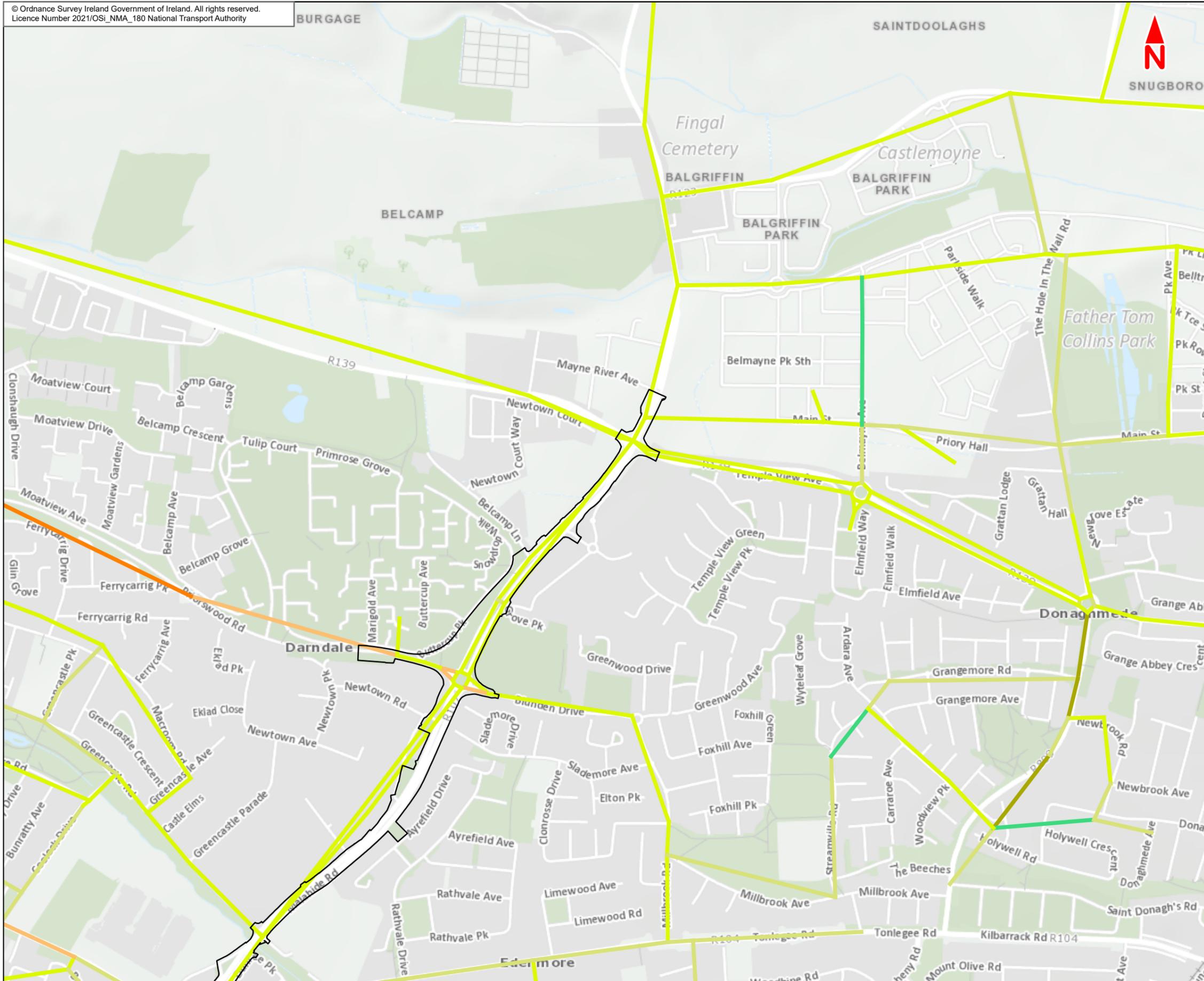
The background is a vibrant yellow. It is decorated with several abstract, overlapping geometric shapes in shades of blue and teal. These shapes include rounded rectangles, circles, and elongated ovals, some of which contain white circles. The shapes are arranged in a dynamic, non-linear pattern, creating a sense of movement and depth. The text is positioned in the upper left quadrant of the page.

**9.4**  
Opening Year 2028 Traffic  
Noise Impact Summary

BURGAGE

SAINTDOOLAGHS

SNUGBORO



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
- Overall Significance**
- Imperceptible / Positive
  - Not Significant
  - Not Significant - Slight
  - Slight
  - Slight - Moderate
  - Moderate
  - Moderate - Significant

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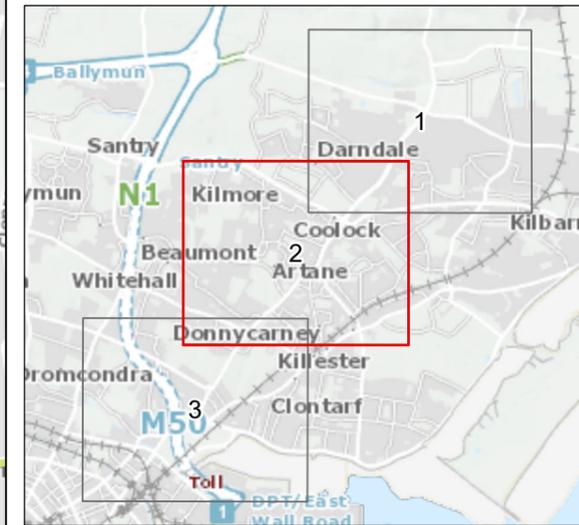
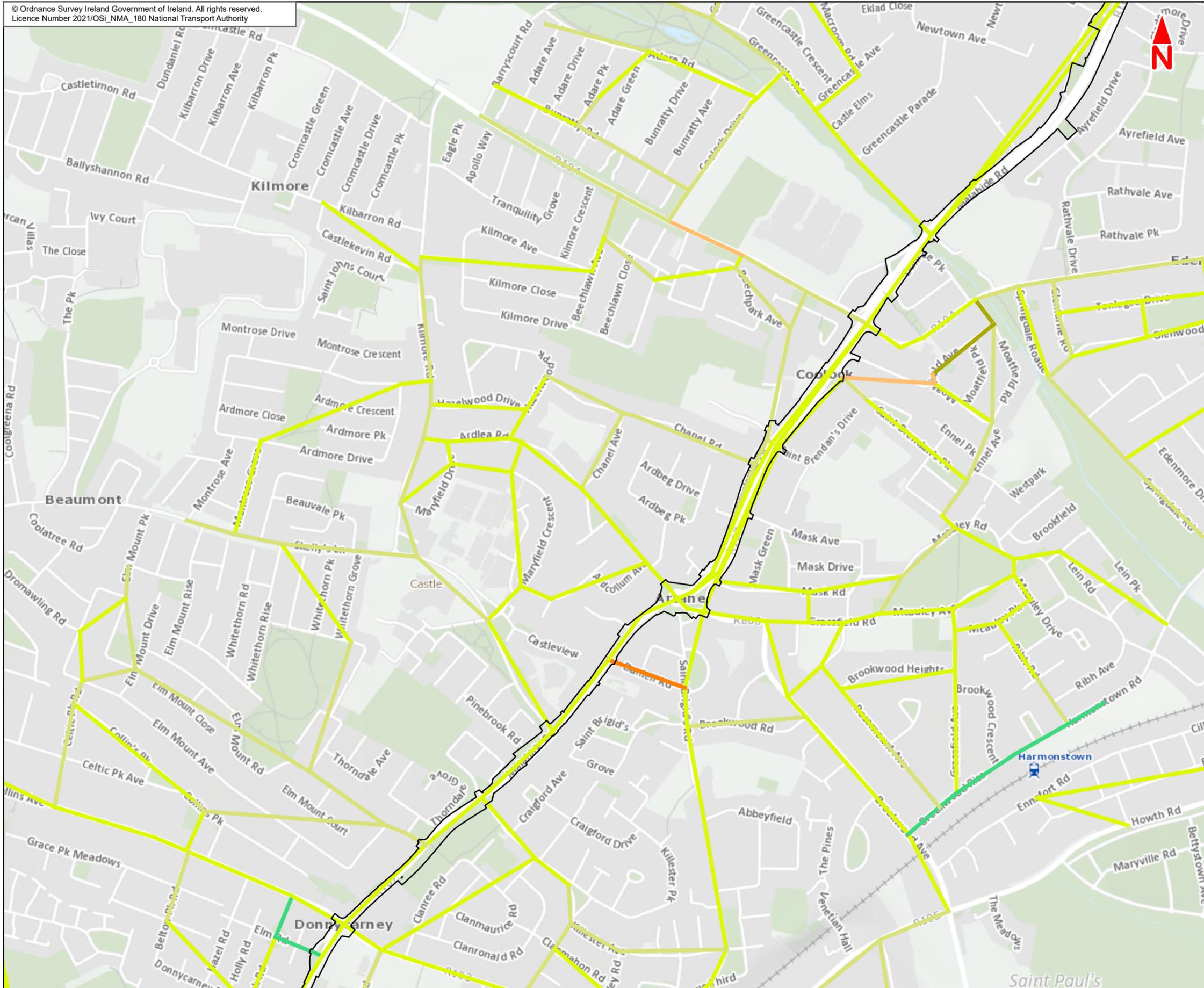
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Date: 14/07/2021  
Scale @ A3: 1:10 000

Consultant  
**JACOBS ARUP SYSTRA**

Drawn: HCH  
Checked: SW  
Approved: DK

Project Title Clongriffin to City Centre Core Bus Corridor Scheme		Drawing Title Figure 9.4 Opening Year 2028 Traffic Noise Impact Summary	
Drawing File Reference BCIDE-JAC-ENV_NV-0001_XX_00-DR-GG-0501	Sheet Number 1 of 3	Status S3	Rev L01



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
- Overall Significance**
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  - Not Significant - Slight
  - Slight
  - Slight - Moderate
  - Moderate
  - Moderate - Significant

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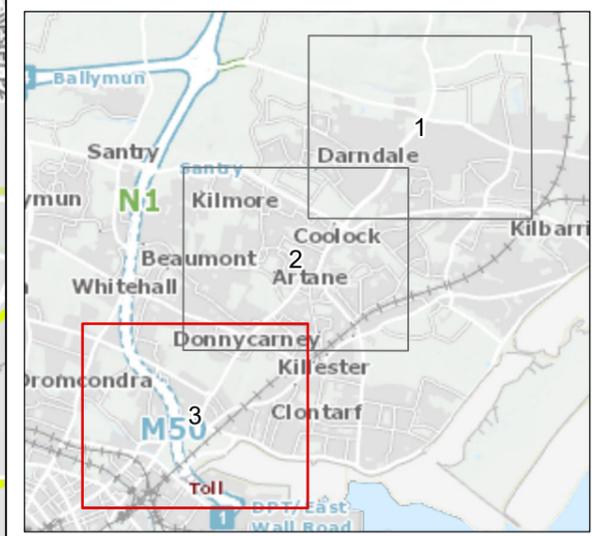
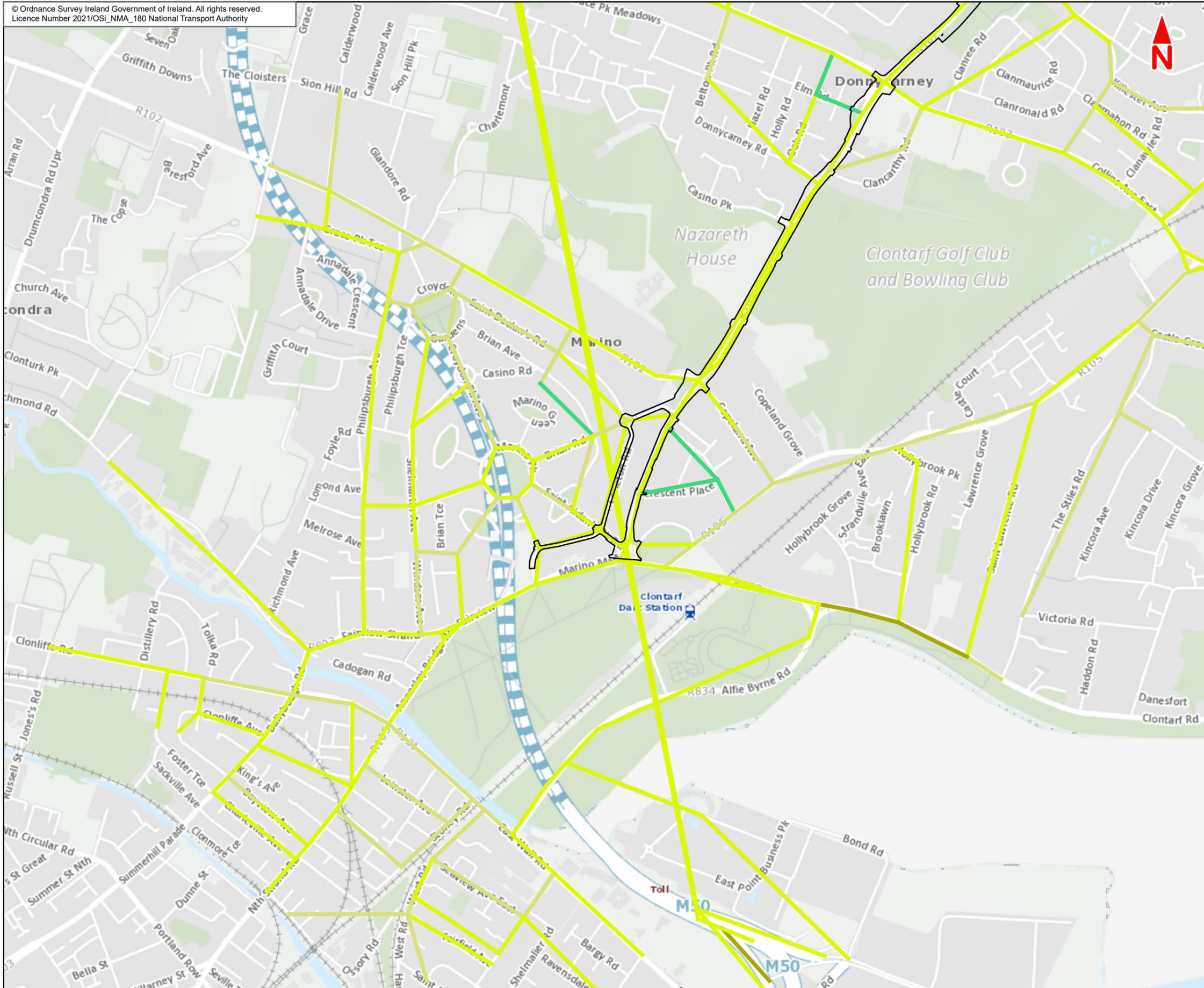
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**Project Ireland 2040**  
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
L01	May 2021	HCH	SW	DK	For Client Review

<b>Client</b> Udarás Náisiúnta Iompair National Transport Authority		<b>Consultant</b> Jacobs ARUP SYSTRA			
Date	14/07/2021	Scale @ A3	1:10 000	Drawn	HCH
Project Code	BCIDE	Originator Code	JAC	Checked	SW
				Approved	DK

<b>Project Title</b> Clongriffin to City Centre Core Bus Corridor Scheme	
<b>Drawing Title</b> Figure 9.4 Opening Year 2028 Traffic Noise Impact Summary	
Drawing File Reference	BCIDE-JAC-ENV_NV-0001_XX_00-DR-GG-0502
Sheet Number	2 of 3
Status	S3
Rev	L01



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
- Overall Significance**
- Imperceptible / Positive
  - Not Significant
  - Not Significant - Slight
  - Slight
  - Slight - Moderate
  - Moderate
  - Moderate - Significant

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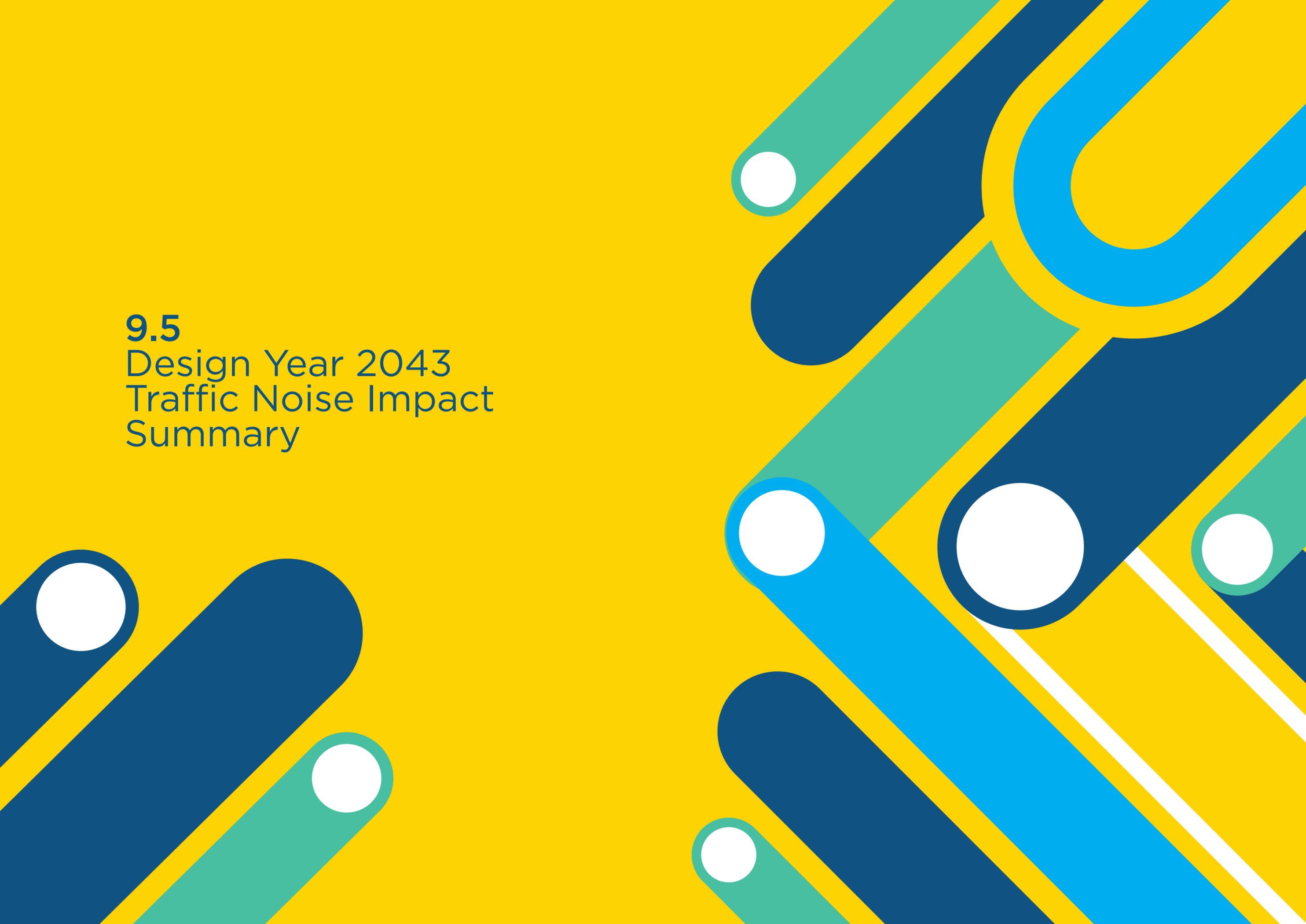
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L01	May 2021	HCH	SW	DK	For Client Review

Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 14/07/2021	Scale @ A3 1:10 000	Drawn HCH	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

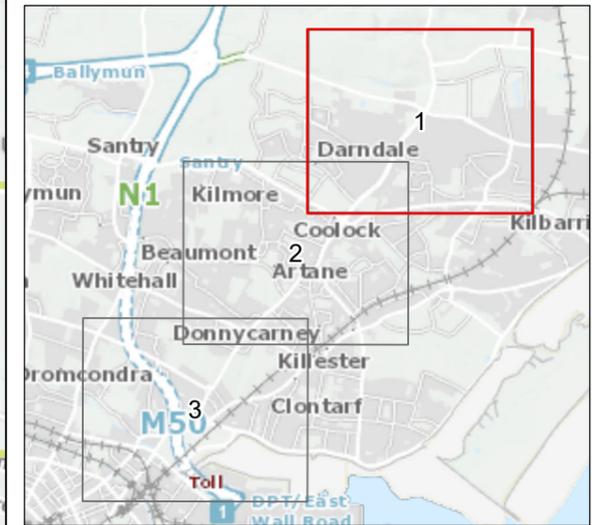
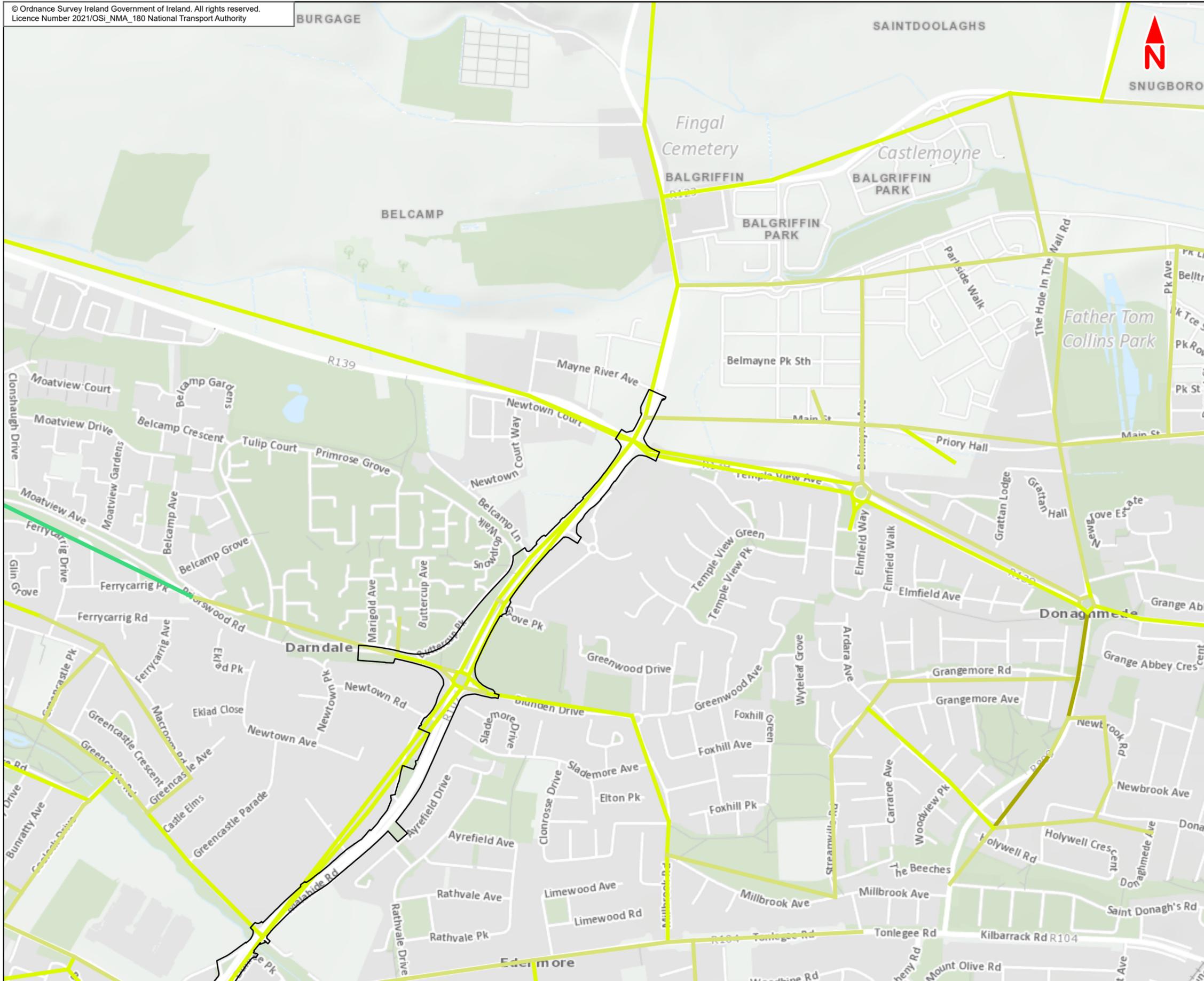
Project Title Clongriffin to City Centre Core Bus Corridor Scheme				
Drawing Title Figure 9.4 Opening Year 2028 Traffic Noise Impact Summary				
Drawing File Reference BCIDE-JAC-ENV_NV-0001_XX_00-DR-GG-0503	Sheet Number 3 of 3	Status S3	Rev L01	

The background is a vibrant yellow. It is decorated with several abstract, overlapping geometric shapes in shades of blue and teal. These shapes include rounded rectangles, elongated ovals, and circles, some of which are filled with white. The shapes are arranged in a dynamic, non-linear pattern, creating a sense of movement and depth. The overall aesthetic is modern and clean.

**9.5**  
Design Year 2043  
Traffic Noise Impact  
Summary

BURGAGE

SAINTDOOLAGHS



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
- Overall Significance**
- Imperceptible / Positive
  - Not Significant
  - Not Significant - Slight
  - Slight
  - Slight - Moderate
  - Moderate
  - Moderate - Significant

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Udarás Náisiúnta Iompair  
National Transport Authority

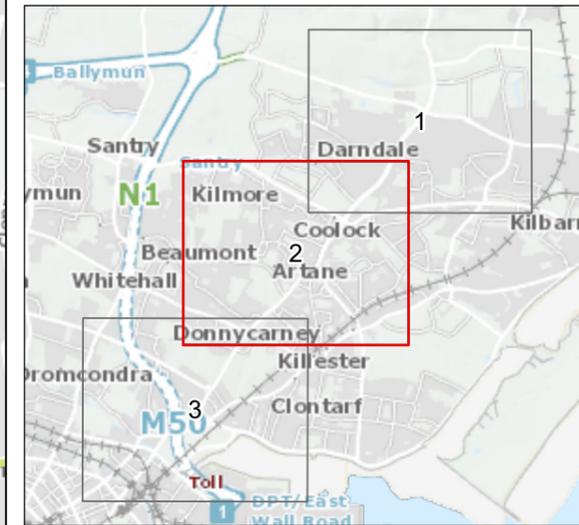
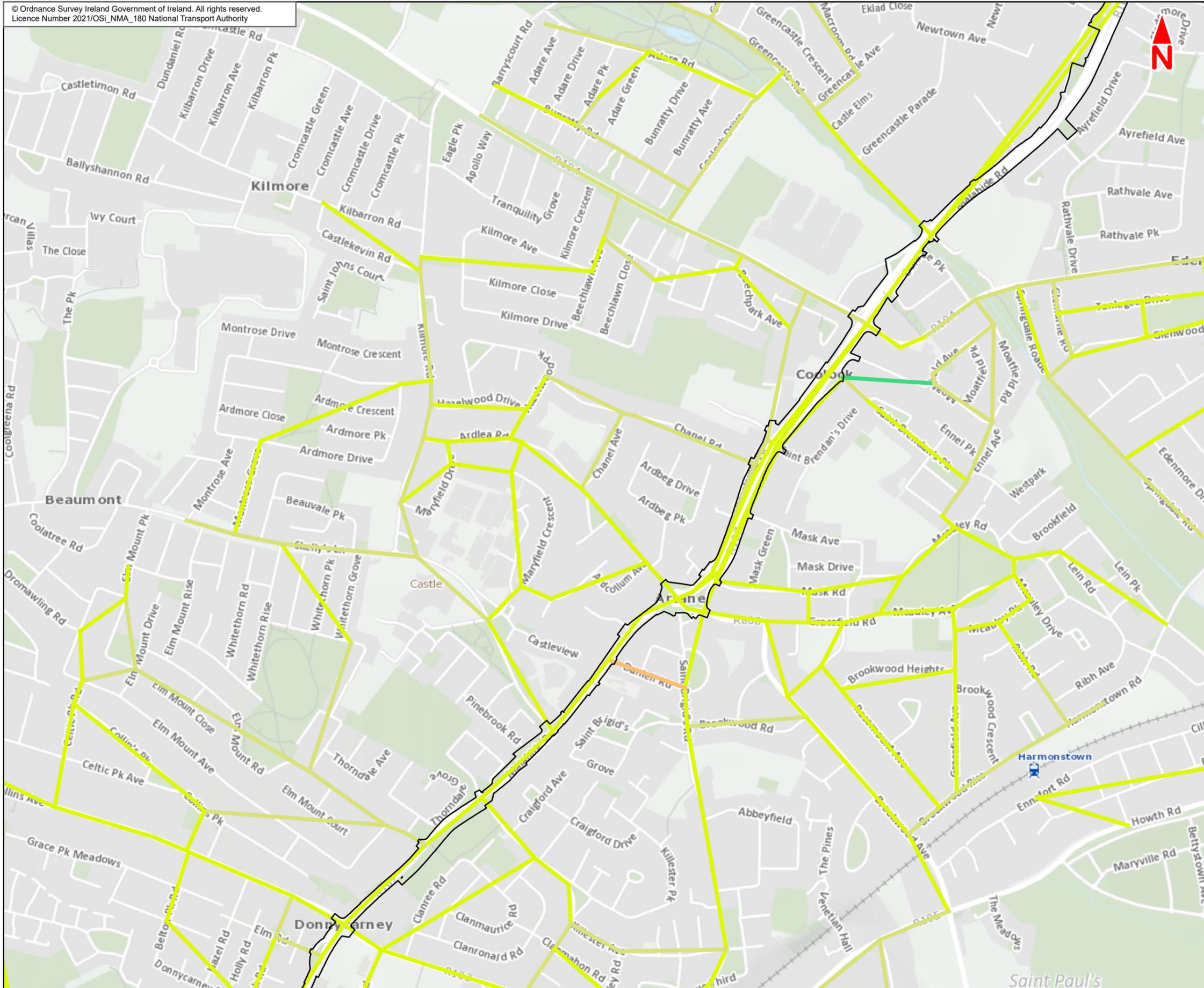
Date: 14/07/2021  
Scale @ A3: 1:10 000  
Project Code: BCIDE  
Originator Code: JAC

Consultant  
**JACOBS ARUP SYSTRA**

Drawn: HCH  
Checked: SW  
Approved: DK

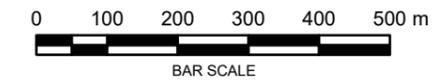
QMS Code

Project Title Clongriffin to City Centre Core Bus Corridor Scheme		Drawing Title Figure 9.5 Design Year 2043 Traffic Noise Impact Summary	
Drawing File Reference BCIDE-JAC-ENV_NV-0001_XX_00-DR-GG-0601	Sheet Number 1 of 3	Status S3	Rev L01



- Legend :**
- Clongriffin to City Centre Core Bus Corridor Scheme
  - Overall Significance**
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  - Not Significant
  - Not Significant - Slight
  - Slight
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  - Moderate
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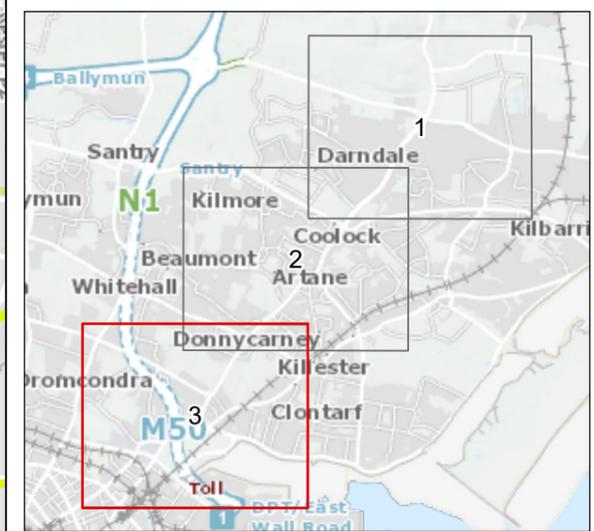
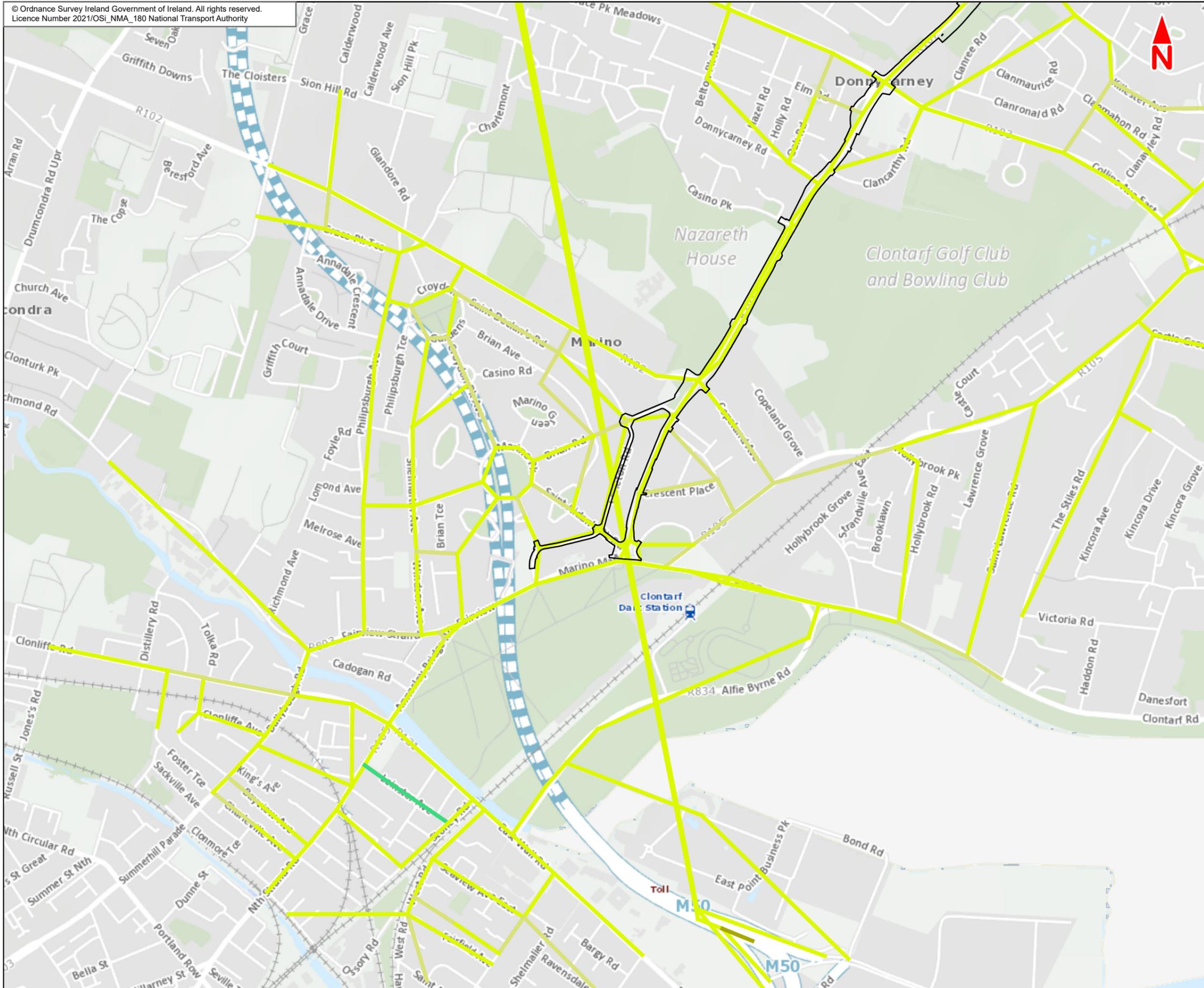
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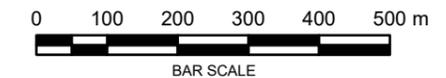
Client Udarás Náisiúnta Iompair National Transport Authority		Consultant 			
Date	14/07/2021	Scale @ A3	1:10 000	Drawn	HCH
Project Code	BCIDE	Originator Code	JAC	Checked	SW
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Project Title		Clongriffin to City Centre Core Bus Corridor Scheme			
Drawing Title		Figure 9.5 Design Year 2043 Traffic Noise Impact Summary			
Drawing File Reference	BCIDE-JAC-ENV_NV-0001_XX_00-DR-GG-0602	Sheet Number	2 of 3	Rev	L01
Status	S3				



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Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Project Title Clongriffin to City Centre Core Bus Corridor Scheme	
Drawing Title Figure 9.5 Design Year 2043 Traffic Noise Impact Summary	
Drawing File Reference BCIDE-JAC-ENV_NV-0001_XX_00-DR-GG-0603	Sheet Number 3 of 3
Status S3	Rev L01

Date 14/07/2021	Scale @ A3 1:10 000	Drawn HCH	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		