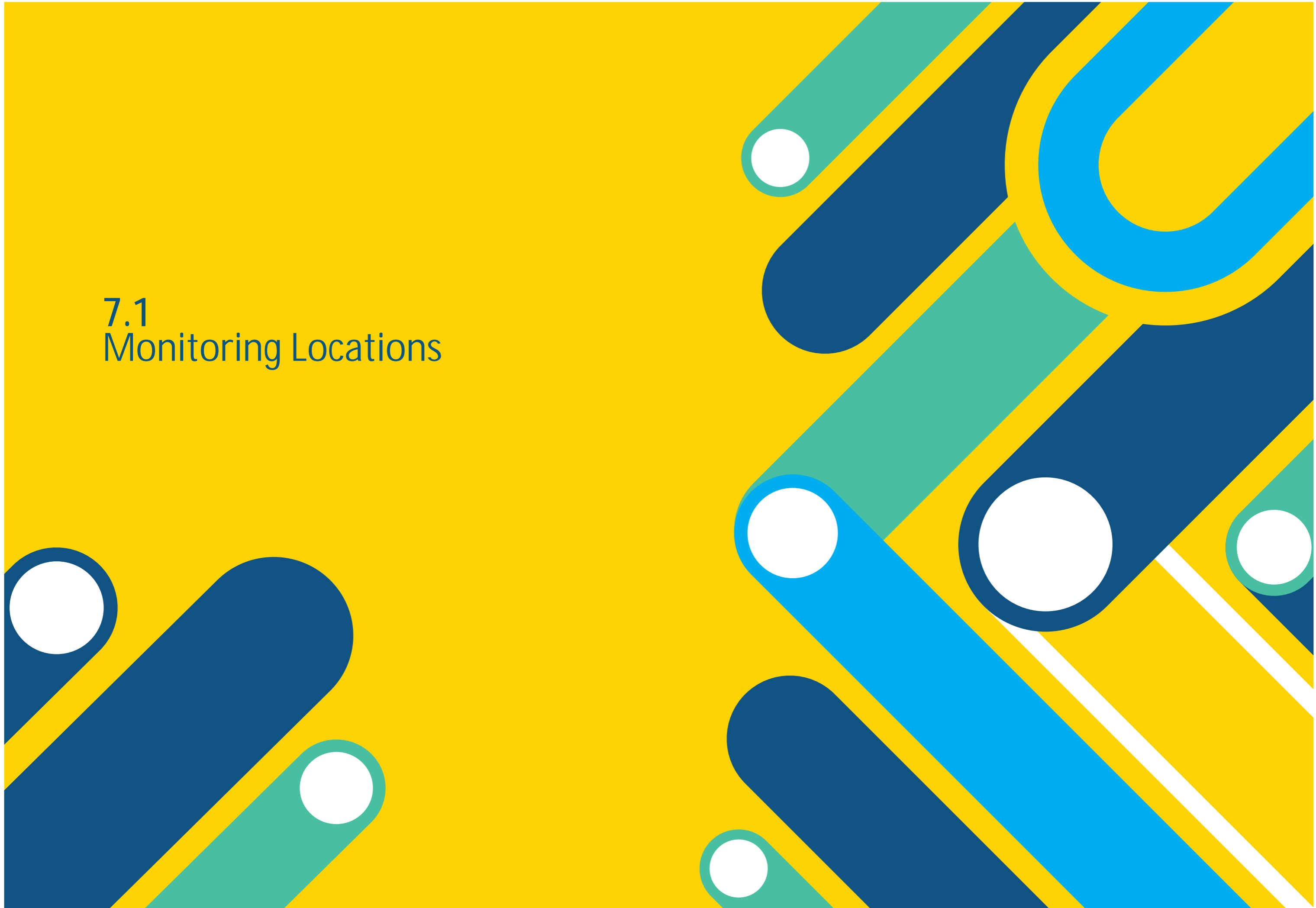
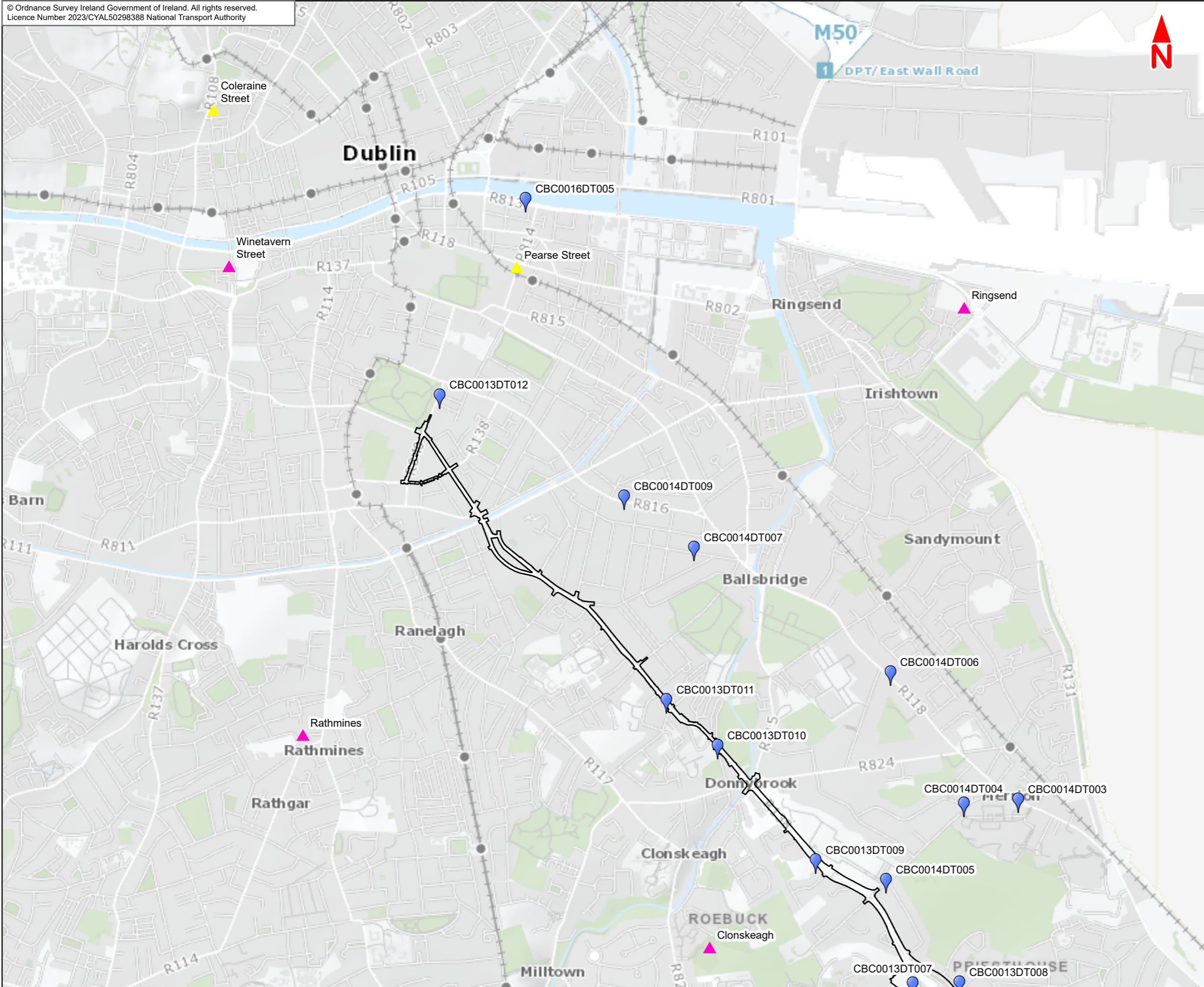


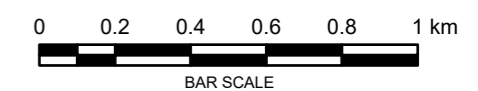
7.1 Monitoring Locations





- Legend :**
- Bray to City Centre Core Bus Corridor Scheme
 - Diffusion Tube
 - EPA Current Monitoring Site
 - EPA Past Monitoring Site

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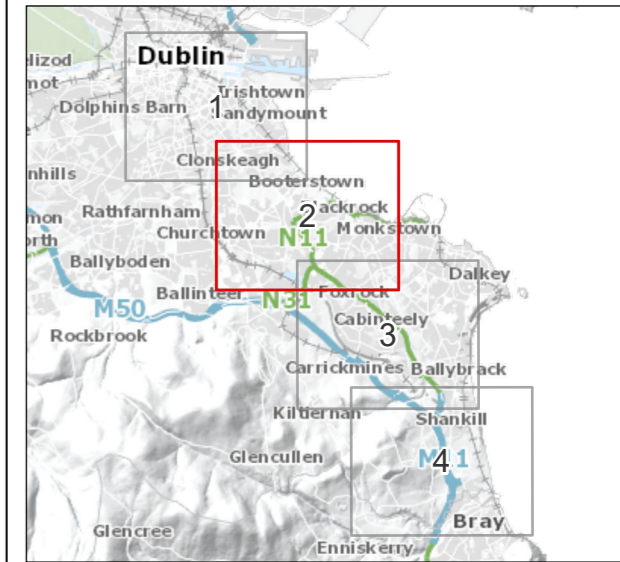
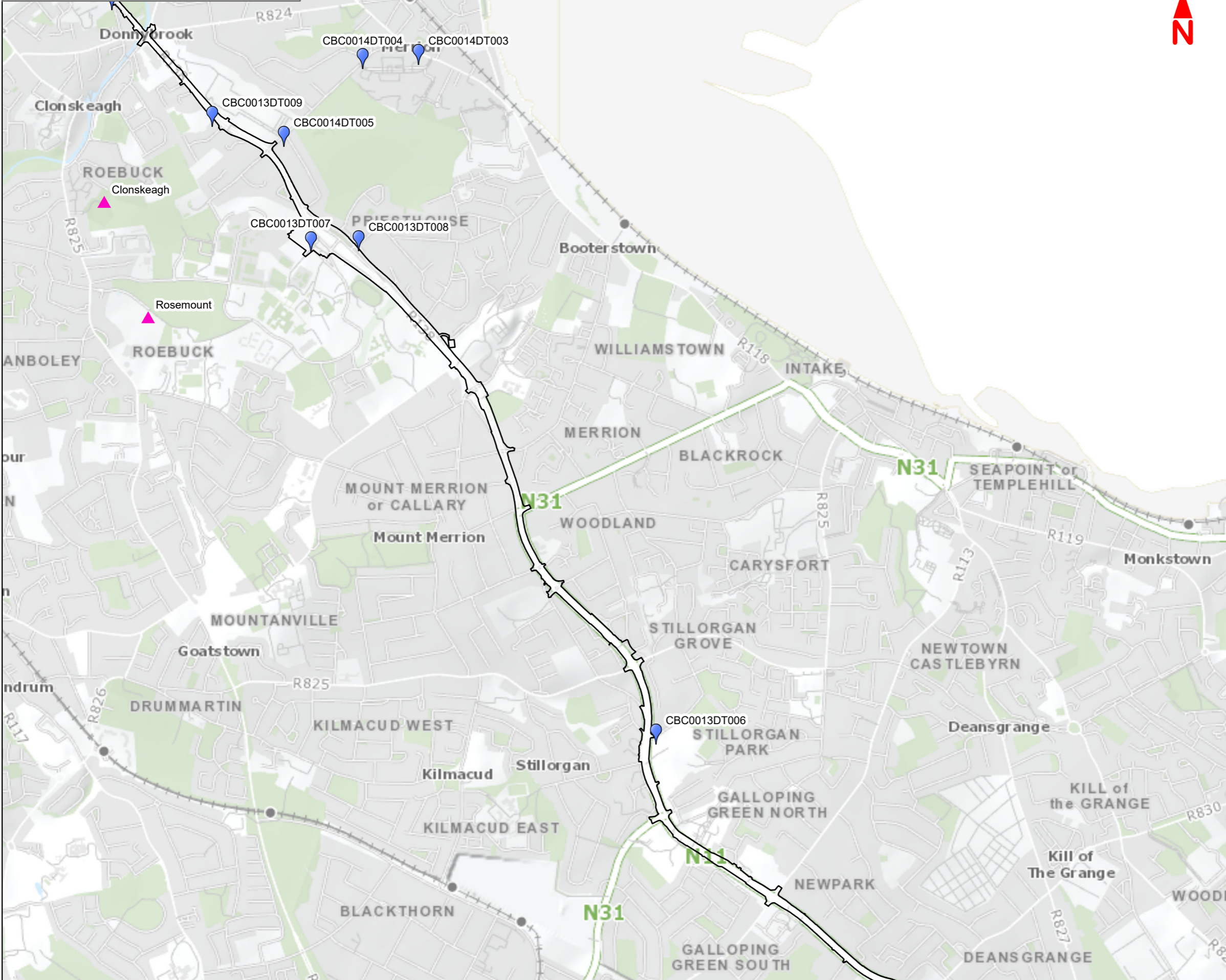
Rev	Date	Drn	Chk'd	App'd	Description
M01	May 2023	LF	SW	DK	ISSUE FOR PHASE 4 : PLANNING

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

Consultant: **JACOBS ARUP SYSTRA**

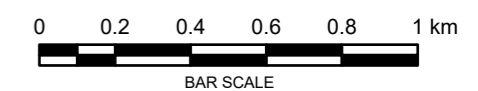
Date: 04/05/2023 Scale @ A3: 1:20 000
 Drawn: LF Checked: SW Approved: DK
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme Figure 7.1 Monitoring Locations			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0104	Sheet Number: 1 of 4	Status: A	Rev: M01



- Legend :**
- Bray to City Centre Core Bus Corridor Scheme
 - Diffusion Tube
 - EPA Current Monitoring Site

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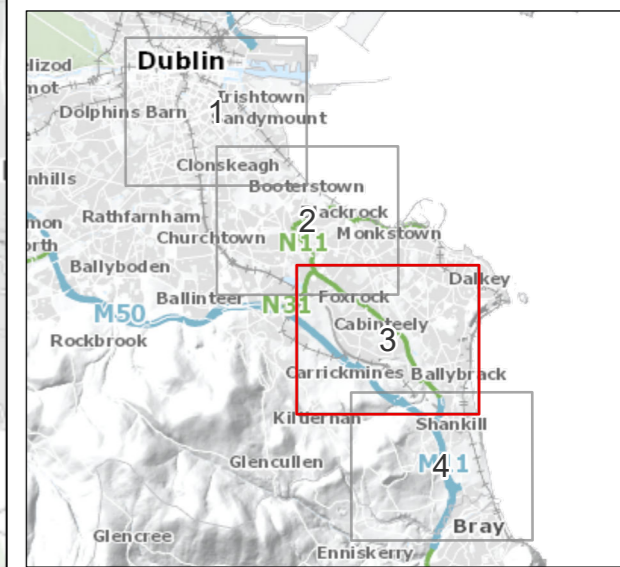
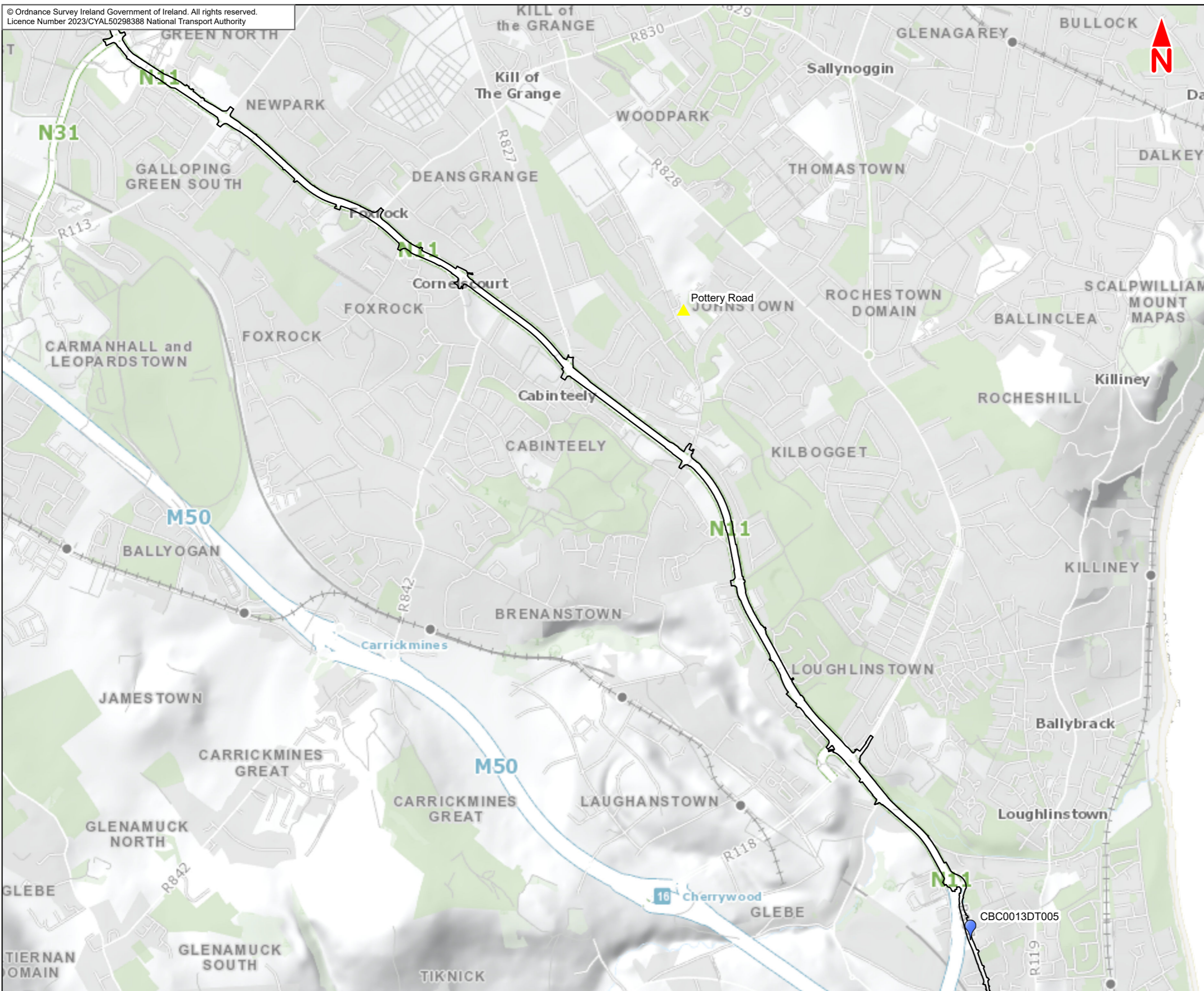
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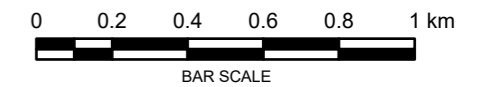
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.1 Monitoring Locations				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0103	Sheet Number 2 of 4	Status A	Rev M01	



- Legend :**
- Bray to City Centre Core Bus Corridor Scheme
 - Diffusion Tube
 - EPA Past Monitoring Site

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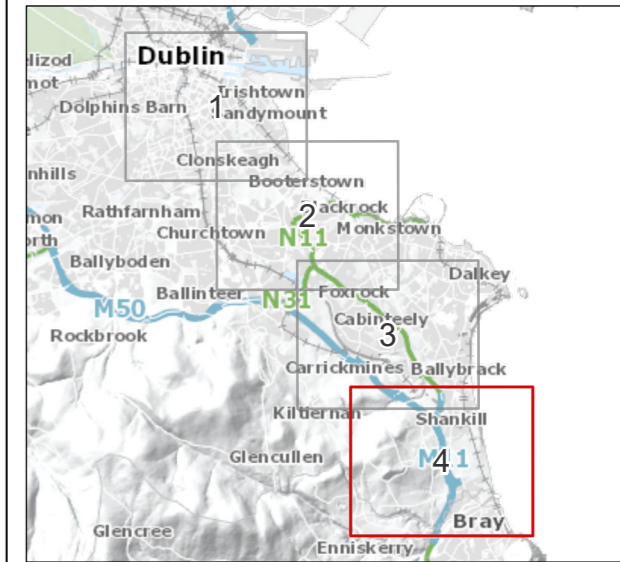
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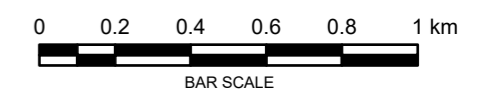
Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.1 Monitoring Locations				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0102	Sheet Number 3 of 4	Status A	Rev M01	



- Legend :**
- Bray to City Centre Core Bus Corridor Scheme
 - 📍 Diffusion Tube

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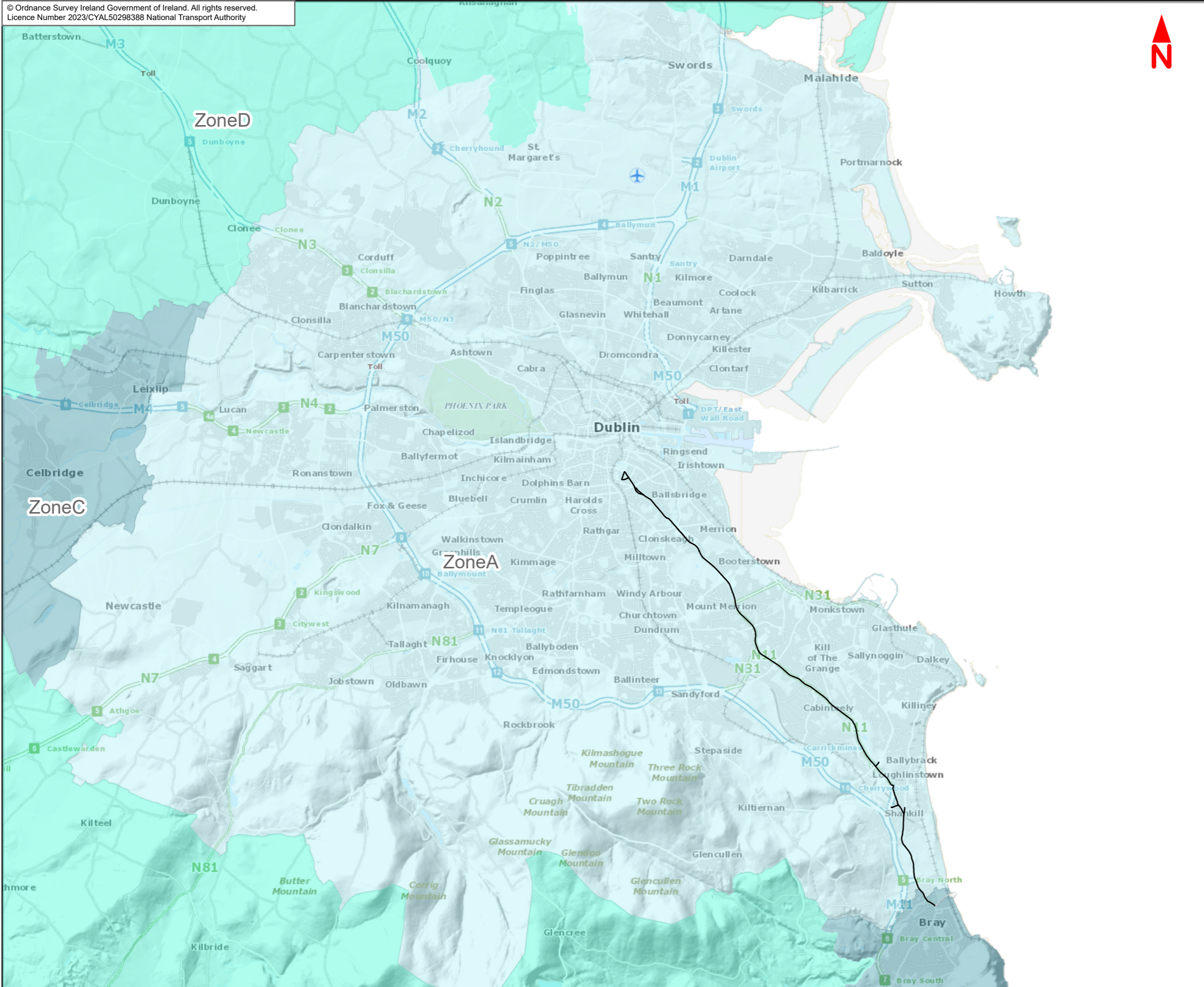
Rev	Date	Drn	Chk'd	App'd	Description
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.1 Monitoring Locations				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0101	Sheet Number 4 of 4	Status A	Rev M01	

7.2 Air Quality Zones





- Legend :**
- Bray to City Centre Core Bus Corridor Scheme
 - Zone A - Dublin Conurbation
 - Zone C - Other Cities and Large Towns
 - Zone D - Rural Ireland

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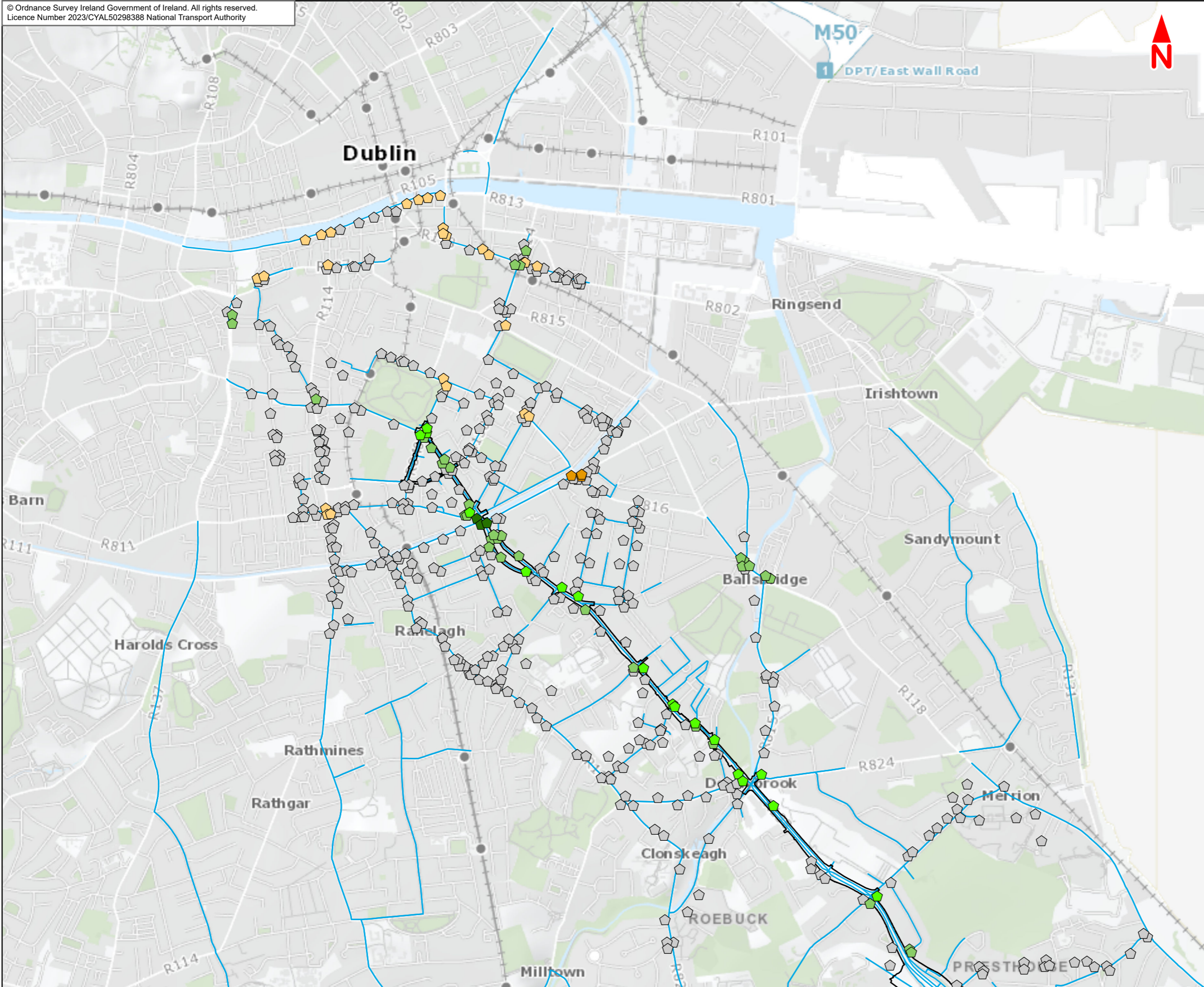
Client
NTA
Udarás Náisiúnta Iompair
National Transport Authority

Consultant
JACOBS
ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.2 Air Quality Zones				
Date 04/05/2023	Scale @ A3 1:125 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0200	Sheet Number 1 of 1	Status A	Rev M01	

7.3

Modelled Annual Mean
NO₂ Impacts ($\mu\text{g}/\text{m}^3$) due to
Bray to City Centre Core Bus
Corridor Scheme (2028)



Legend :

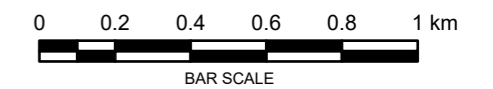
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean NO₂ concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

NO₂ Annual Mean Limit Value: 40 µg/m³

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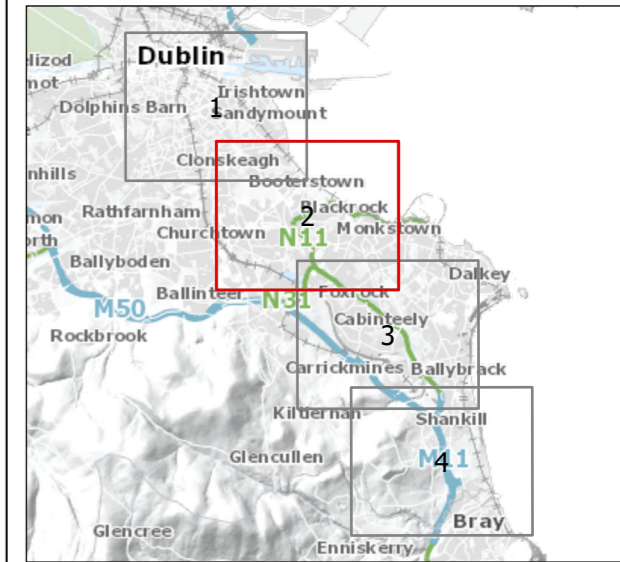
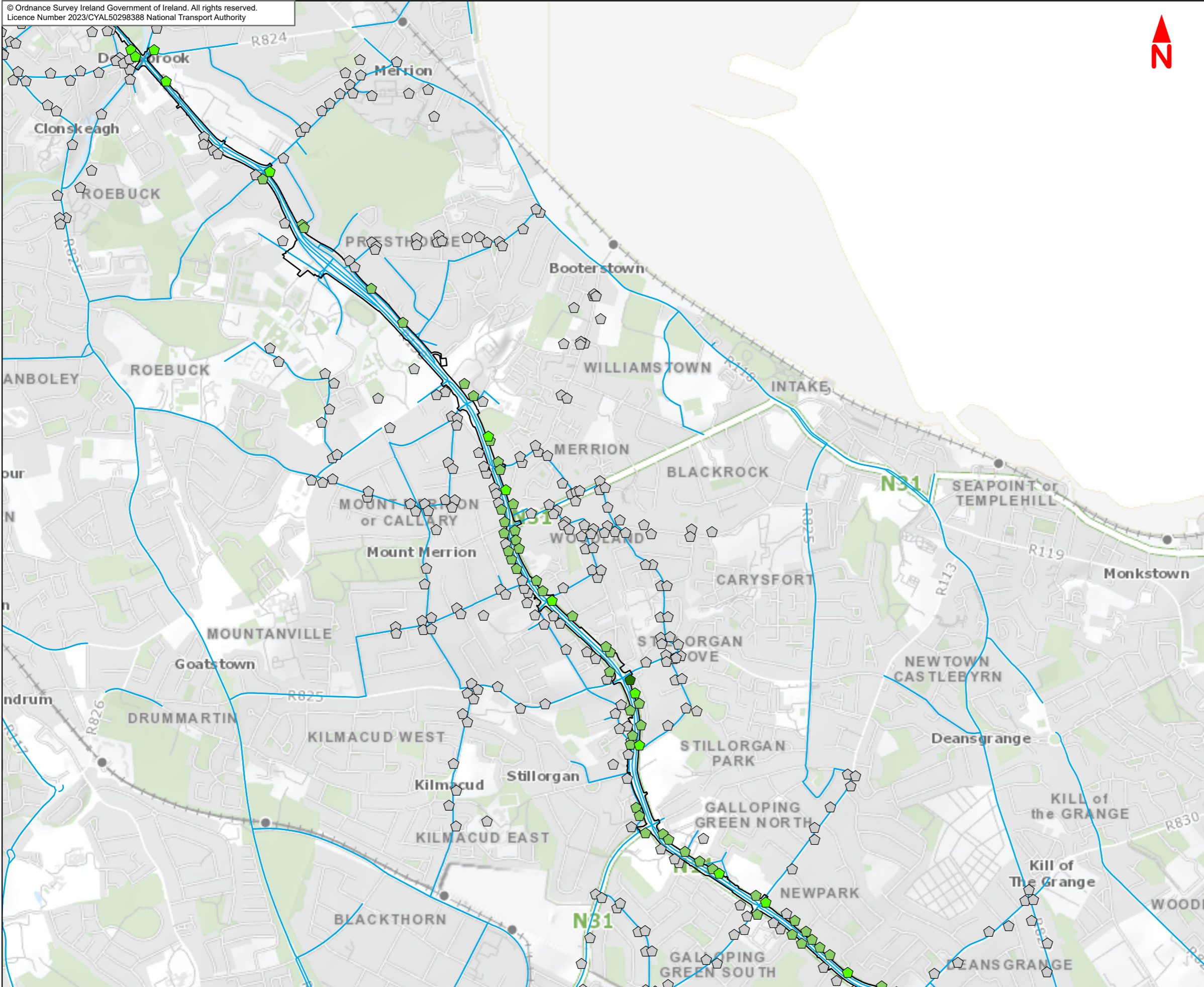


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Client		Consultant	
 Údarás Náisiúnta Iompair National Transport Authority			
Date	04/05/2023	Scale @ A3	1:20 000
Project Code	BCIDE	Originator Code	JAC

Drawn	LF	Checked	SW	Approved	DK
QMS Code					

Programme Title			
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title			
Bray to City Centre Core Bus Corridor Scheme Figure 7.3 Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)			
Drawing File Name	BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0304	Sheet Number	1 of 4
Status	A	Rev	M01



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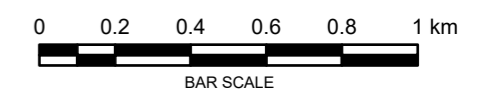
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean NO₂ concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

NO₂ Annual Mean Limit Value: 40 µg/m³

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Client: **NTA**
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

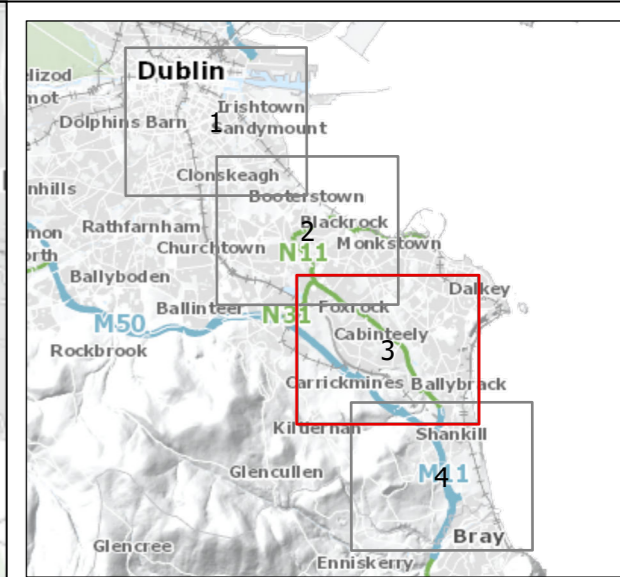
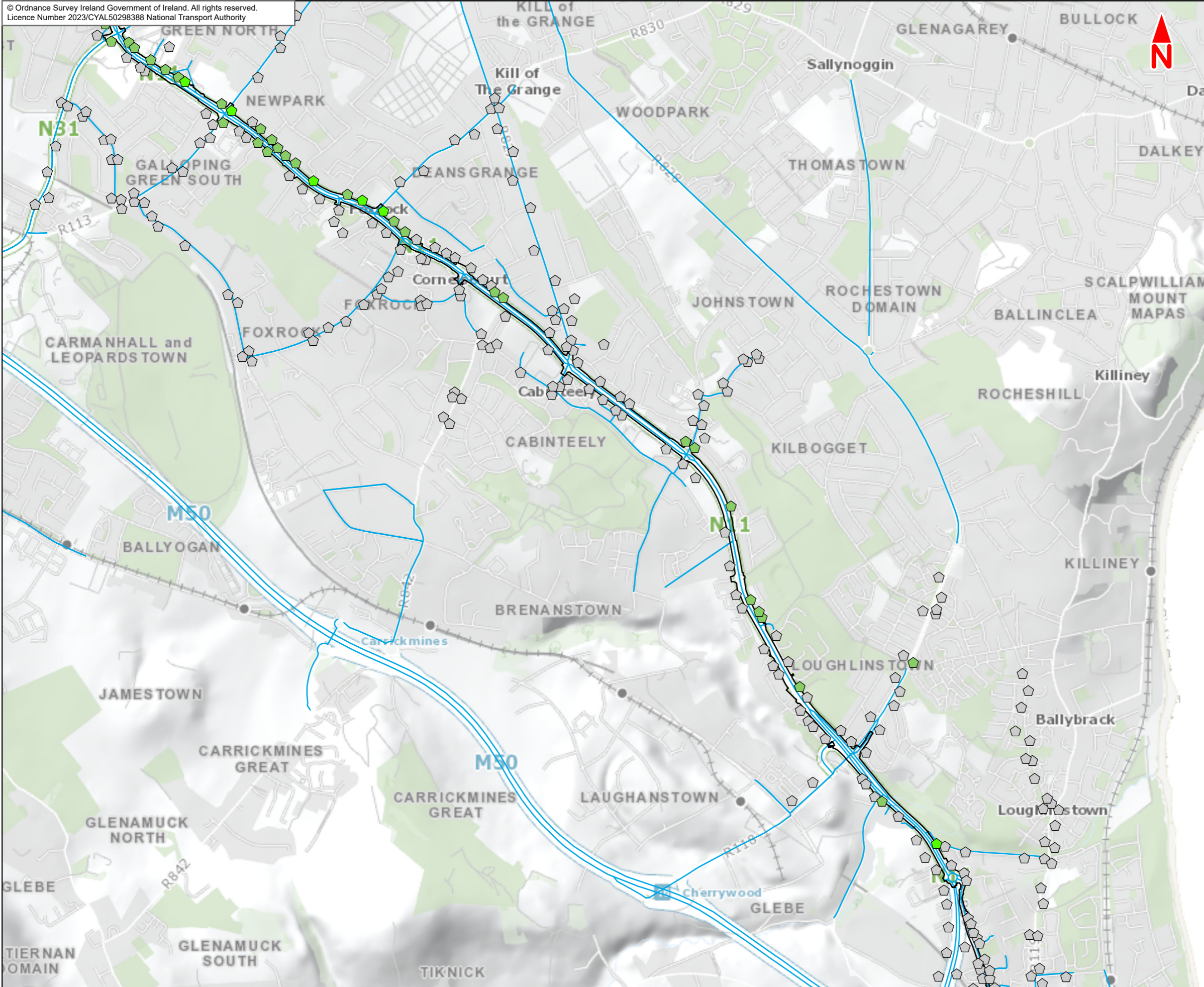
Date: 04/05/2023 | Scale @ A3: 1:20 000

Project Code: BCIDE | Originator Code: JAC

Drawn: LF | Checked: SW | Approved: DK

QMS Code: _____

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme			
Figure 7.3 Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0303	Sheet Number: 2 of 4	Status: A	Rev: M01



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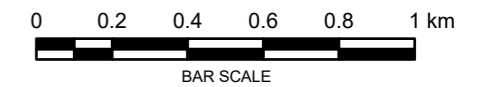
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean NO₂ concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

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NO₂ Annual Mean Limit Value: 40 µg/m³

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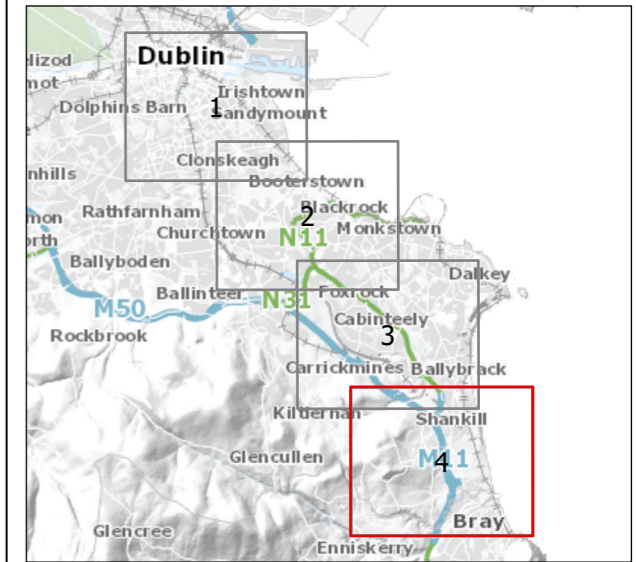
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.3 Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0302	Sheet Number 3 of 4	Status A	Rev M01	



Legend :

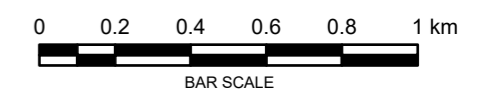
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean NO₂ concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

NO₂ Annual Mean Limit Value: 40 µg/m³

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Client
NTA
Udarás Náisiúnta Iompair
National Transport Authority

Consultant
JACOBS
ARUP SYSTRA

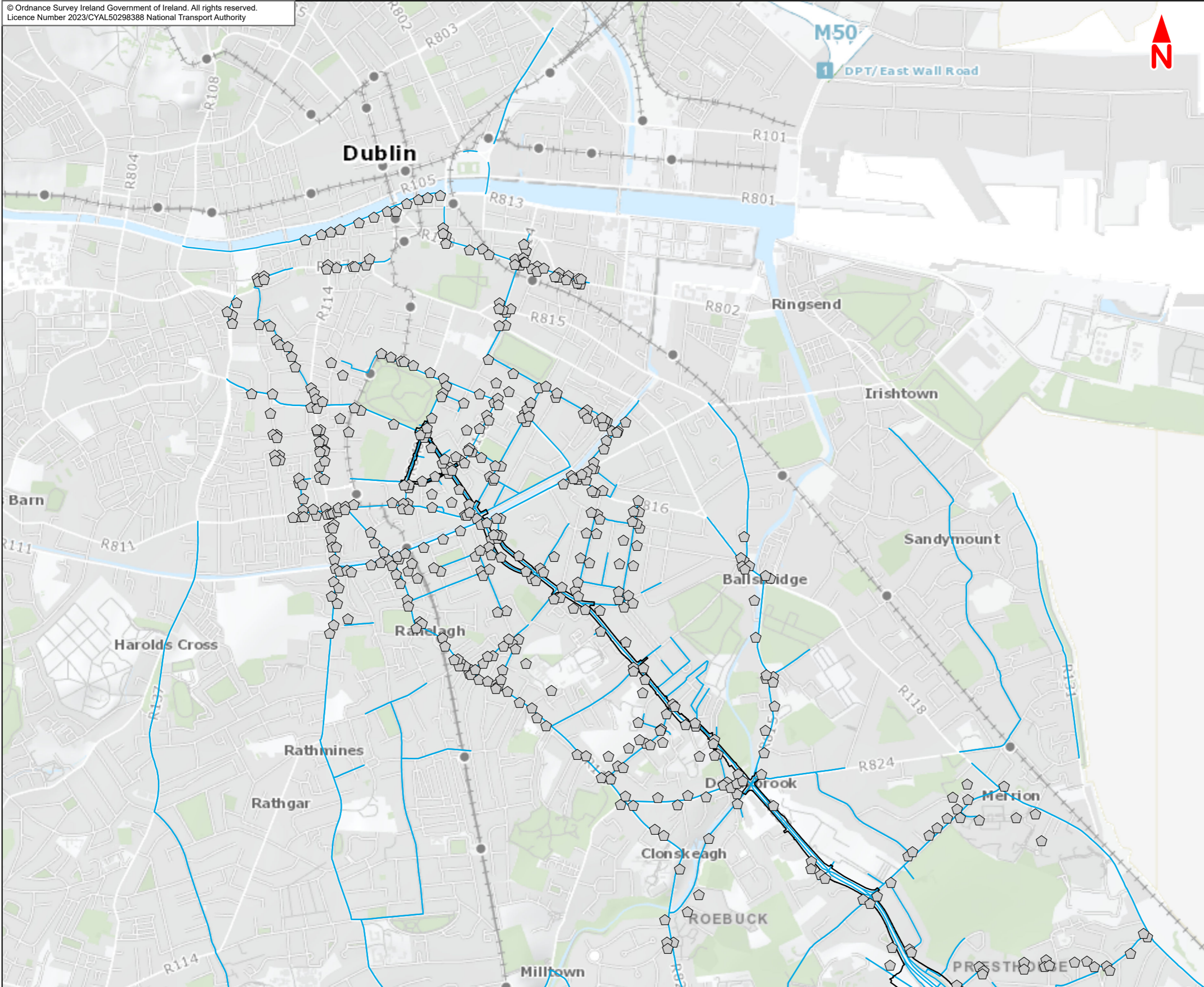
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.3 Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0301	Sheet Number 4 of 4	Status A	Rev M01	

Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

7.4

Modelled Annual Mean
PM₁₀ Impacts ($\mu\text{g}/\text{m}^3$) due to
Bray to City Centre Core Bus
Corridor Scheme (2028)





Legend :

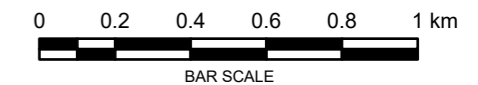
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM₁₀ concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM₁₀ Annual Mean Limit Value: 40 µg/m³

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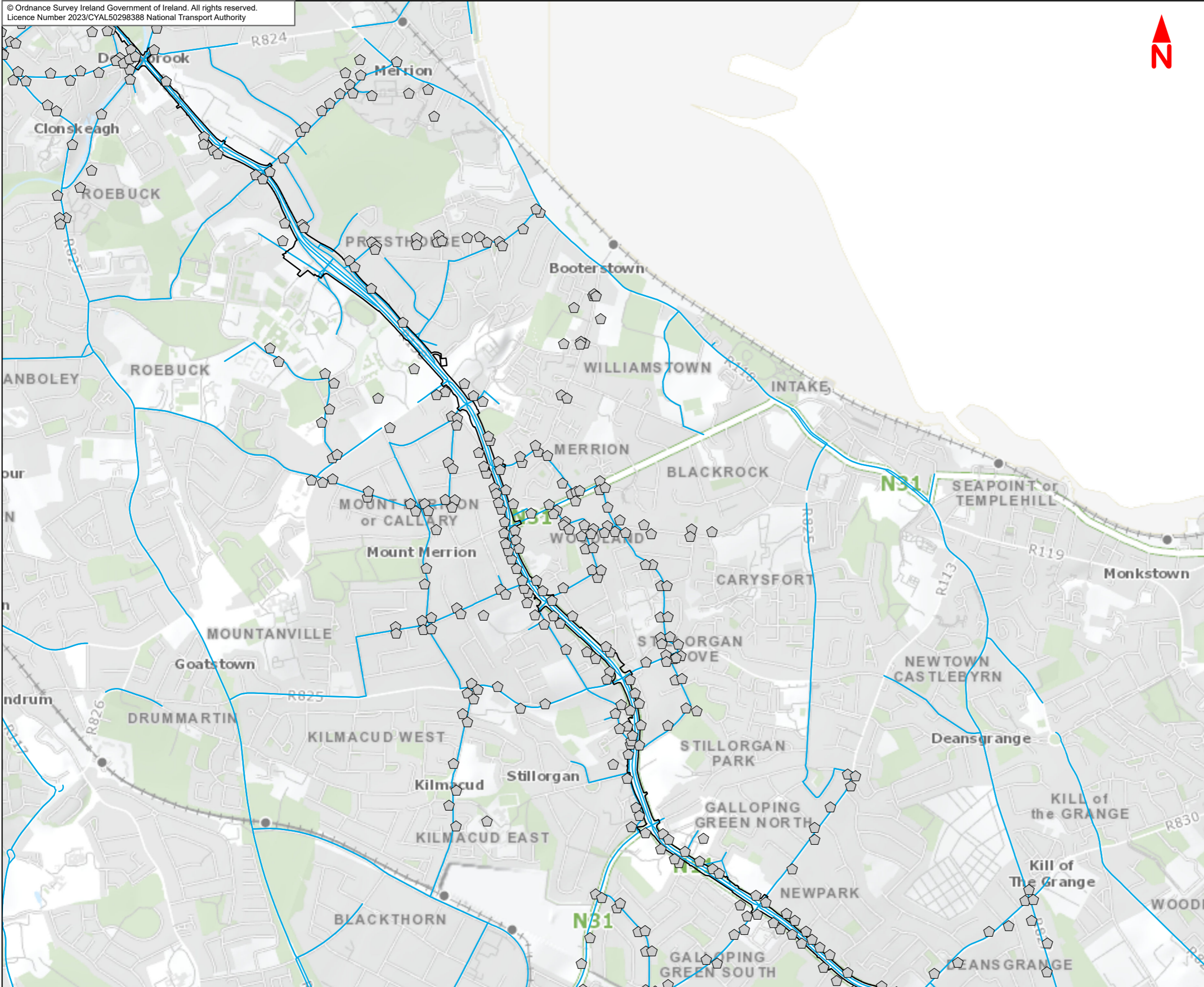
Consultant: **JACOBS ARUP SYSTRA**

Date: 04/05/2023
Scale @ A3: 1:20 000

Project Code: BCIDE
Originator Code: JAC

Drawn: LF
Checked: SW
Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme Figure 7.4 Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0404	Sheet Number: 1 of 4	Status: A	Rev: M01



Legend :

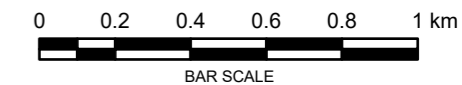
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM₁₀ concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM₁₀ Annual Mean Limit Value: 40 µg/m³

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Client: **NTA**
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 04/05/2023 | Scale @ A3: 1:20 000
 Drawn: LF | Checked: SW | Approved: DK
 Project Code: BCIDE | Originator Code: JAC | QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme			
Figure 7.4			
Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0403	Sheet Number: 2 of 4	Status: A	Rev: M01



Legend :

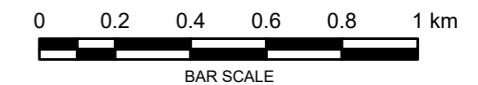
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM₁₀ concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM₁₀ Annual Mean Limit Value: 40 µg/m³

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National Transport Authority

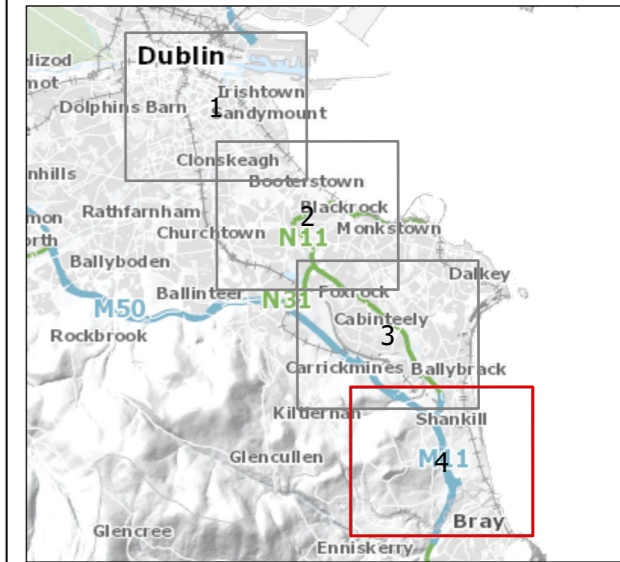
Consultant: **JACOBS ARUP SYSTRA**

Date: 04/05/2023
Scale @ A3: 1:20 000

Project Code: BCIDE
Originator Code: JAC

Drawn: LF
Checked: SW
Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme Figure 7.4 Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0402	Sheet Number: 3 of 4	Status: A	Rev: M01



Legend :

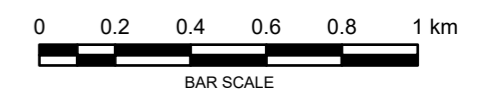
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM₁₀ concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM₁₀ Annual Mean Limit Value: 40 µg/m³

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

Consultant: **JACOBS ARUP SYSTRA**

Date: 04/05/2023
Scale @ A3: 1:20 000

Project Code: BCIDE
Originator Code: JAC

Drawn: LF
Checked: SW
Approved: DK

QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme Figure 7.4 Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0401	Sheet Number: 4 of 4	Status: A	Rev: M01



7.5

Modelled Annual Mean
PM_{2.5} Impacts ($\mu\text{g}/\text{m}^3$) due to
Bray to City Centre Core Bus
Corridor Scheme (2028)



Legend :

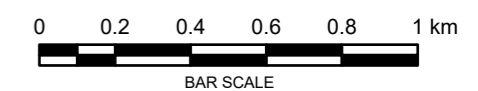
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM_{2.5} concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM_{2.5} Annual Mean Limit Value: 25 µg/m³

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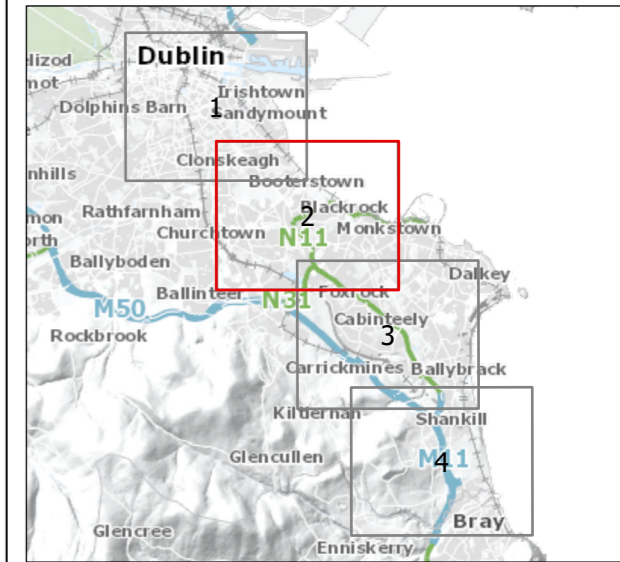
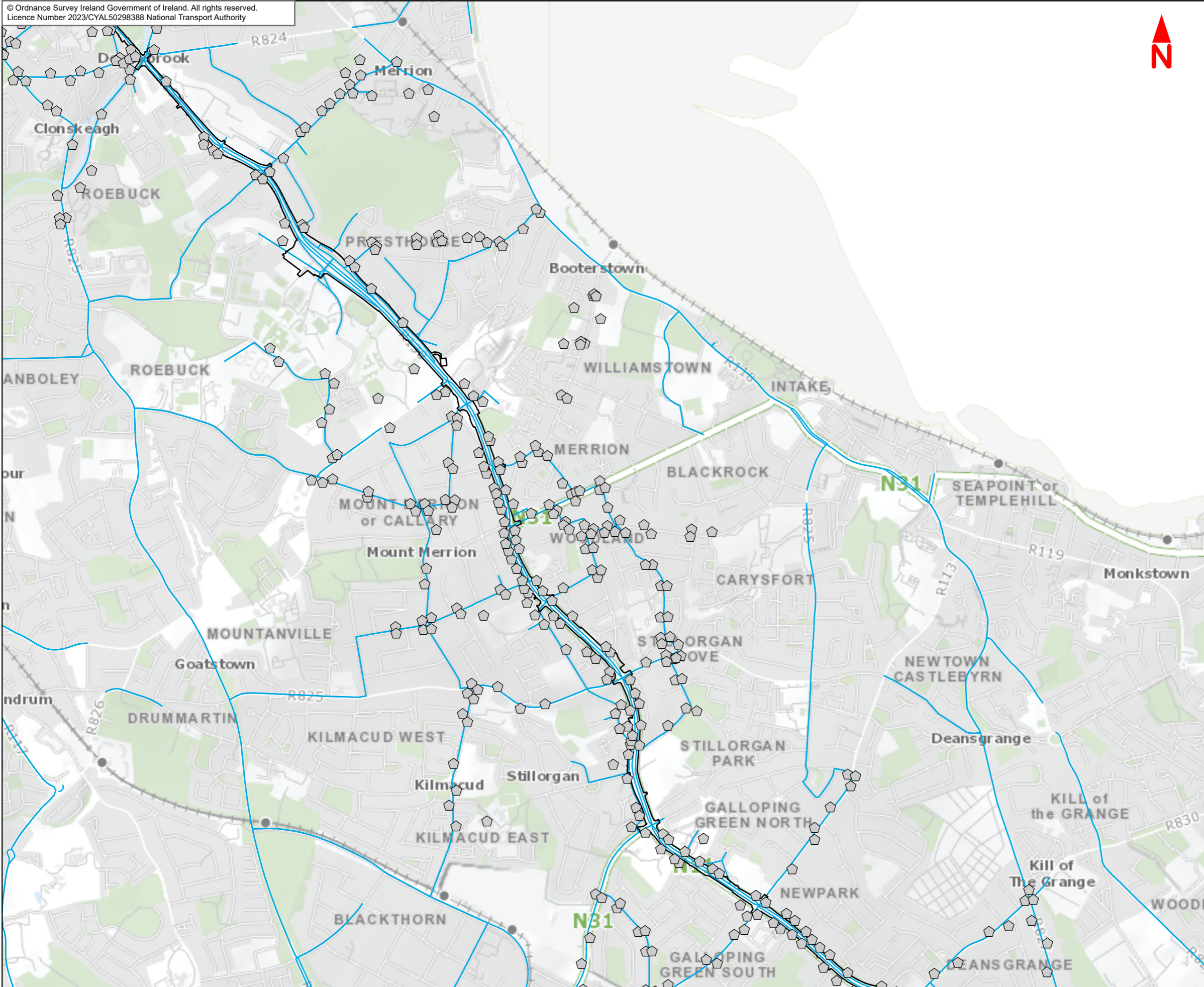
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Date	Scale @ A3	Drawn	Checked	Approved
04/05/2023	1:20 000	LF	SW	DK
Project Code	Originator Code	QMS Code		
BCIDE	JAC			

Programme Title				
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title				
Bray to City Centre Core Bus Corridor Scheme				
Figure 7.5				
Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name	Sheet Number	Status	Rev	
BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0504	1 of 4	A	M01	



Legend :

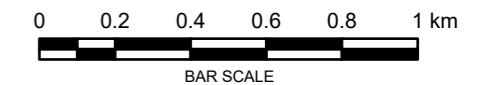
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM_{2.5} concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM_{2.5} Annual Mean Limit Value: 25 µg/m³

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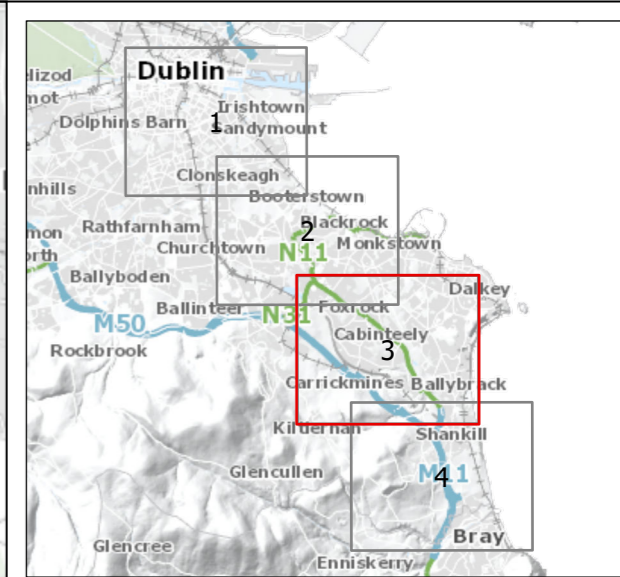
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.5 Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0503	Sheet Number 2 of 4	Status A	Rev M01	



Legend :

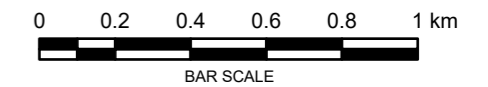
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM_{2.5} concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM_{2.5} Annual Mean Limit Value: 25 µg/m³

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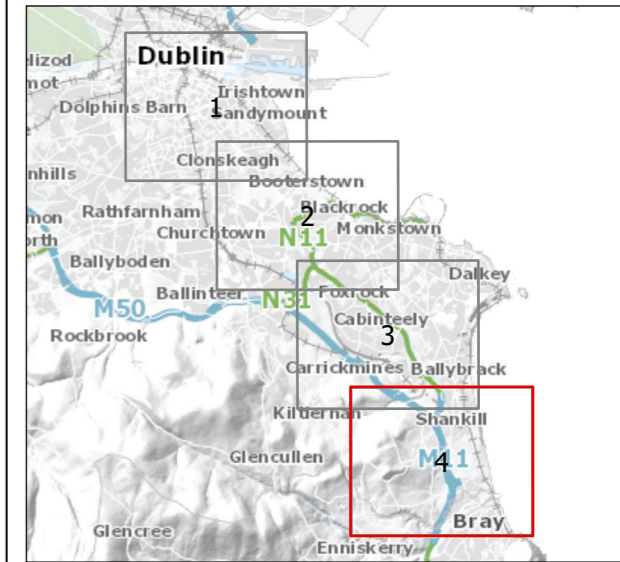


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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.5 Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0502	Sheet Number 3 of 4	Status A	Rev M01	



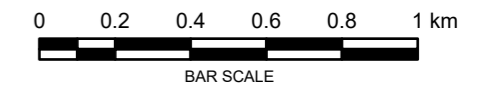
- Legend :**
- Bray to City Centre Core Bus Corridor Scheme
 - Modelled Road Network

Significance of the modelled change in the annual mean PM_{2.5} concentration due to Bray to City Centre Core Bus Corridor Scheme (2028)

- ⬡ Negligible
- ⬡ Slight Adverse
- ⬡ Moderate Adverse
- ⬡ Substantial Adverse
- ⬡ Slight Beneficial
- ⬡ Moderate Beneficial
- ⬡ Substantial Beneficial

PM_{2.5} Annual Mean Limit Value: 25 µg/m³

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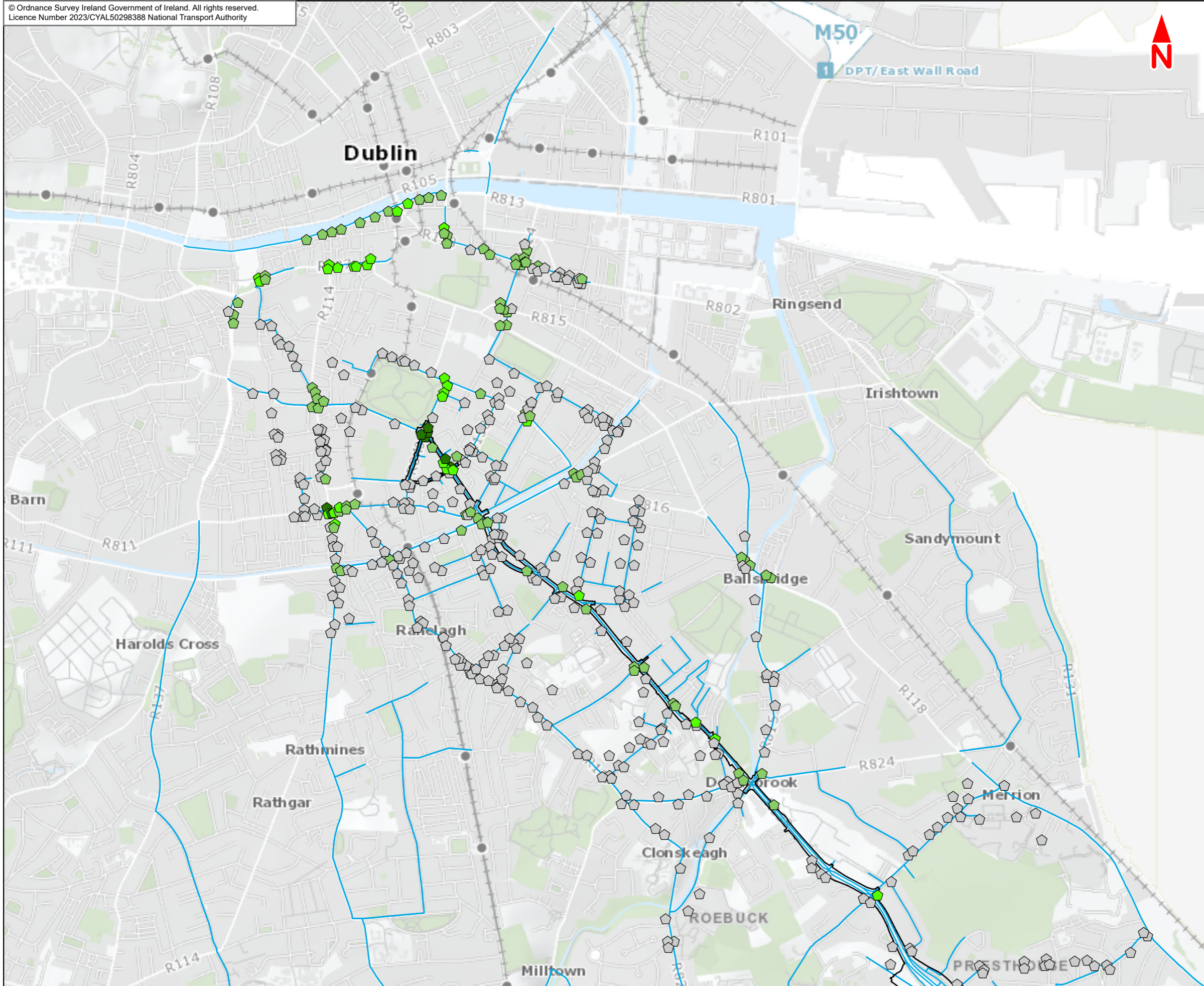
Rev	Date	Drn	Chk'd	App'd	Description
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Client NTA Udarás Náisiúnta Iompair National Transport Authority		Consultant JACOBS ARUP SYSTRA		
Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.5 Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0501	Sheet Number 4 of 4	Status A	Rev M01	

7.6

Modelled Annual Mean
NO₂ Impacts ($\mu\text{g}/\text{m}^3$) due to
Bray to City Centre Core Bus
Corridor Scheme - Construction
Phase (2024)



Legend :

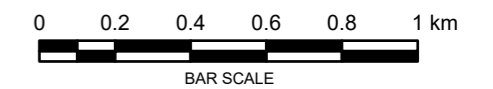
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean NO₂ concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

NO₂ Annual Mean Limit Value: 40 µg/m³

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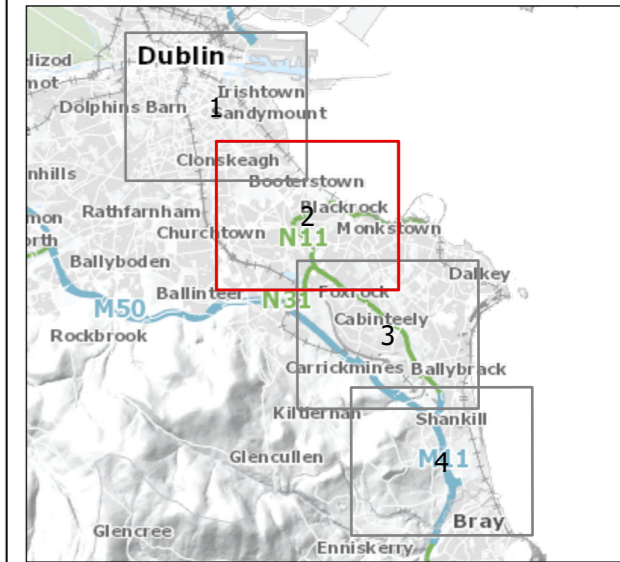
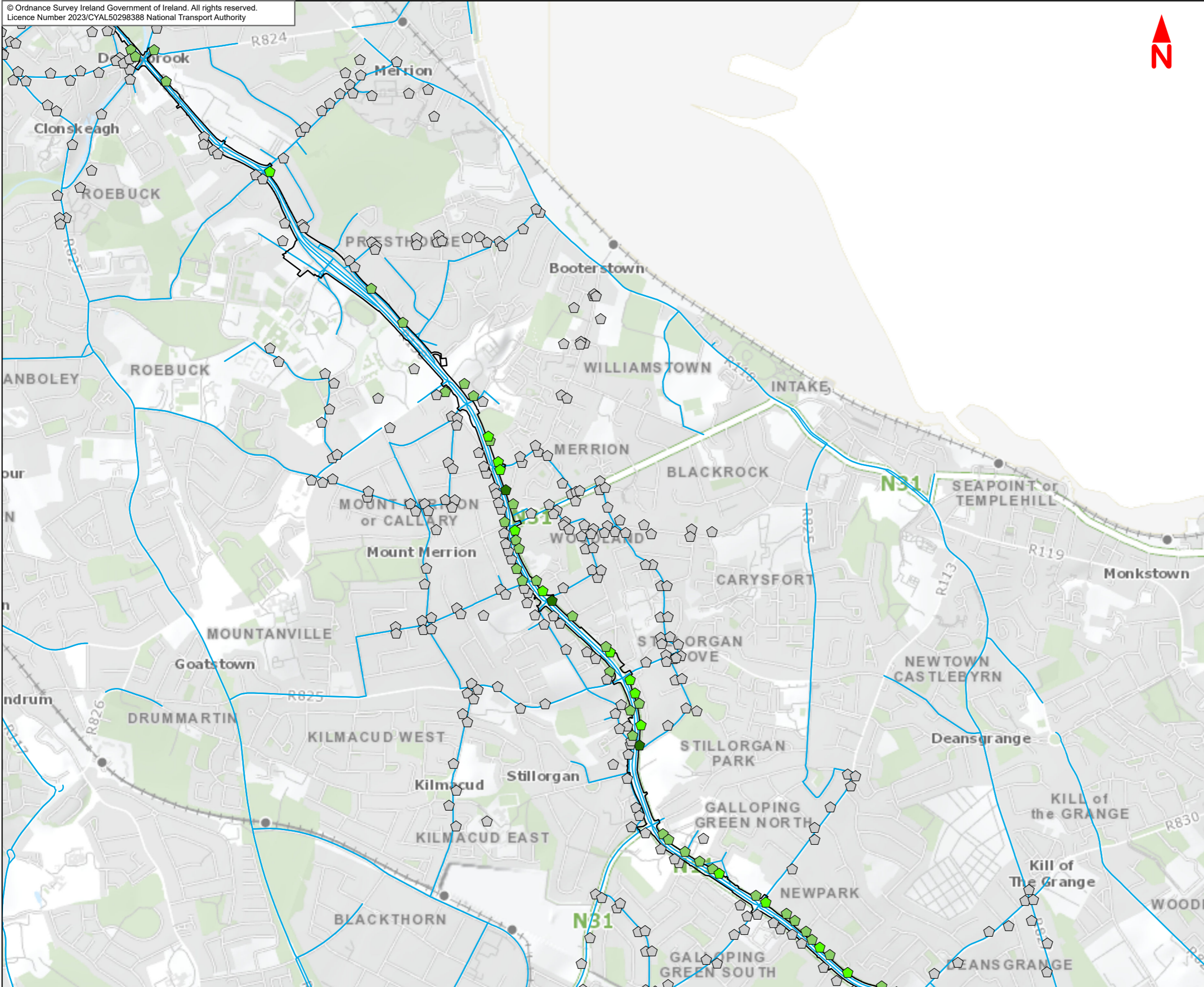
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Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

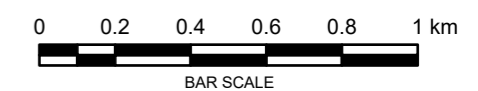
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.6 Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0604	Sheet Number 1 of 4	Status A	Rev M01	



- Legend :**
- Bray to City Centre Core Bus Corridor Scheme
 - Modelled Road Network
- Significance of the modelled change in the annual mean NO₂ concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**
- Negligible
 - Slight Adverse
 - Moderate Adverse
 - Substantial Adverse
 - Slight Beneficial
 - Moderate Beneficial
 - Substantial Beneficial

NO₂ Annual Mean Limit Value: 40 µg/m³

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Udarás Náisiúnta Iompair
National Transport Authority

Date: 04/05/2023
Scale @ A3: 1:20 000

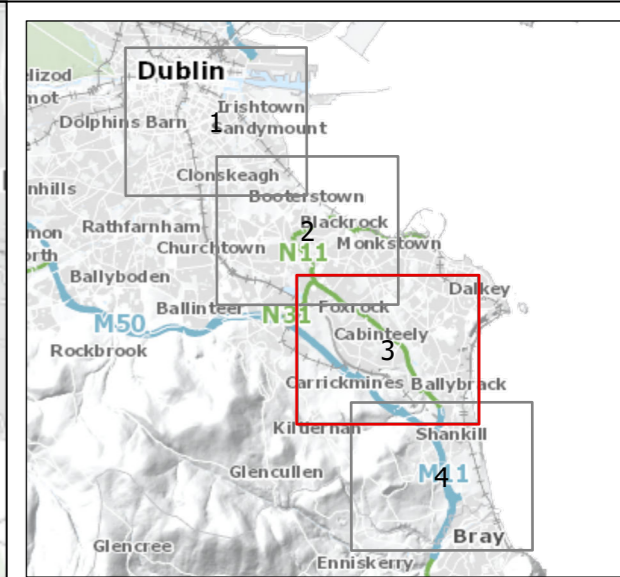
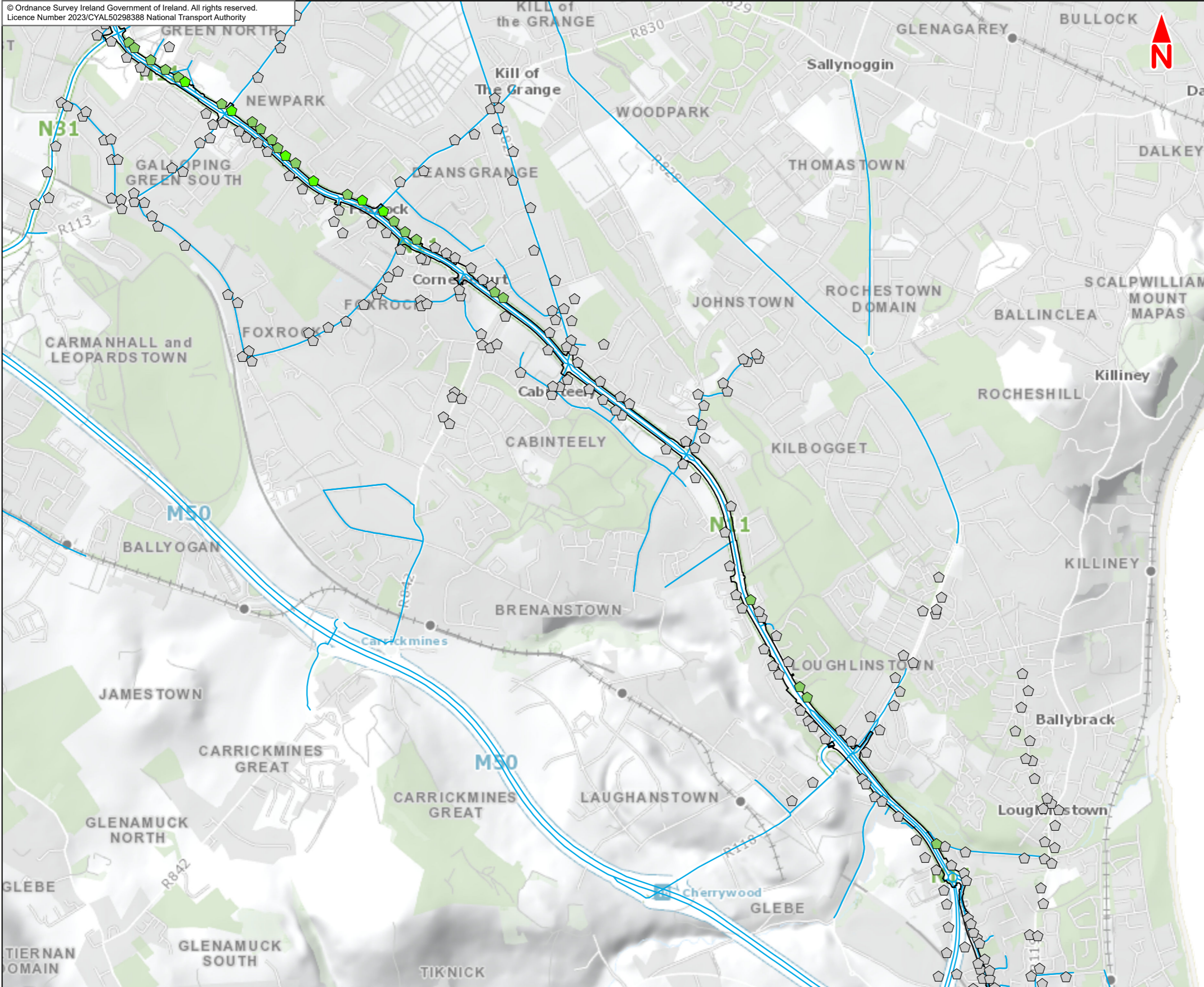
Project Code: BCIDE
Originator Code: JAC

Consultant
JACOBS ARUP SYSTRA

Drawn: LF
Checked: SW
Approved: DK

QMS Code

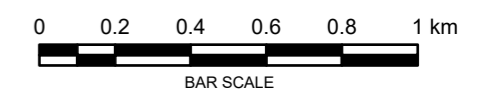
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.6 Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)			
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0603	Sheet Number 2 of 4	Status A	Rev M01



- Legend :**
- Bray to City Centre Core Bus Corridor Scheme
 - Modelled Road Network
- Significance of the modelled change in the annual mean NO₂ concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**
- ◻ Negligible
 - ◻ Slight Adverse
 - ◼ Moderate Adverse
 - ◼ Substantial Adverse
 - ◻ Slight Beneficial
 - ◼ Moderate Beneficial
 - ◼ Substantial Beneficial

NO₂ Annual Mean Limit Value: 40 µg/m³

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Client: **NTA**
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

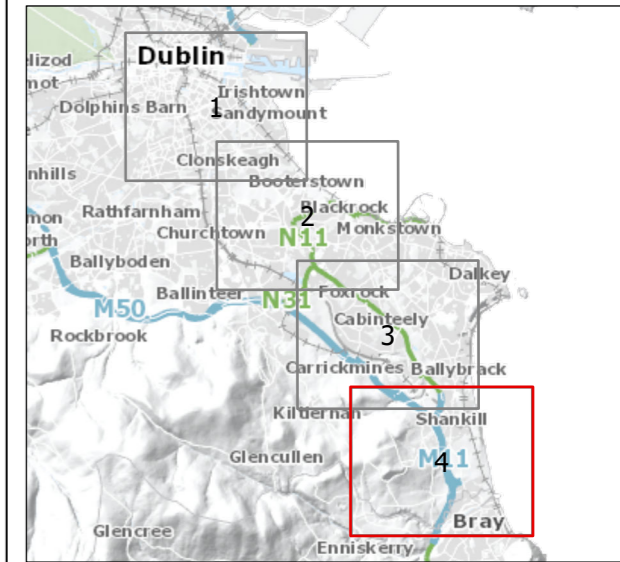
Date: 04/05/2023 | Scale @ A3: 1:20 000

Project Code: BCIDE | Originator Code: JAC

Drawn: LF | Checked: SW | Approved: DK

QMS Code: _____

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme			
Figure 7.6: Modelled Annual Mean NO₂ Impacts (µg/m³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0602	Sheet Number: 3 of 4	Status: A	Rev: M01



Legend :

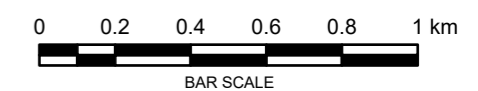
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean NO₂ concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

NO₂ Annual Mean Limit Value: 40 µg/m³

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Date	Scale @ A3	Drawn	Checked	Approved
04/05/2023	1:20 000	LF	SW	DK
Project Code	Originator Code	QMS Code		
BCIDE	JAC			

Programme Title				
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title				
Bray to City Centre Core Bus Corridor Scheme Figure 7.6 Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name	Sheet Number	Status	Rev	
BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0601	4 of 4	A	M01	

7.7

Modelled Annual Mean
PM₁₀ Impacts ($\mu\text{g}/\text{m}^3$) due to
Bray to City Centre Core Bus
Corridor Scheme - Construction
Phase (2024)



Legend :

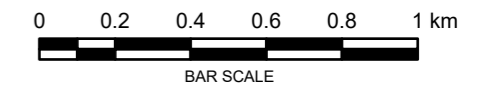
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM₁₀ concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM₁₀ Annual Mean Limit Value: 40 µg/m³

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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

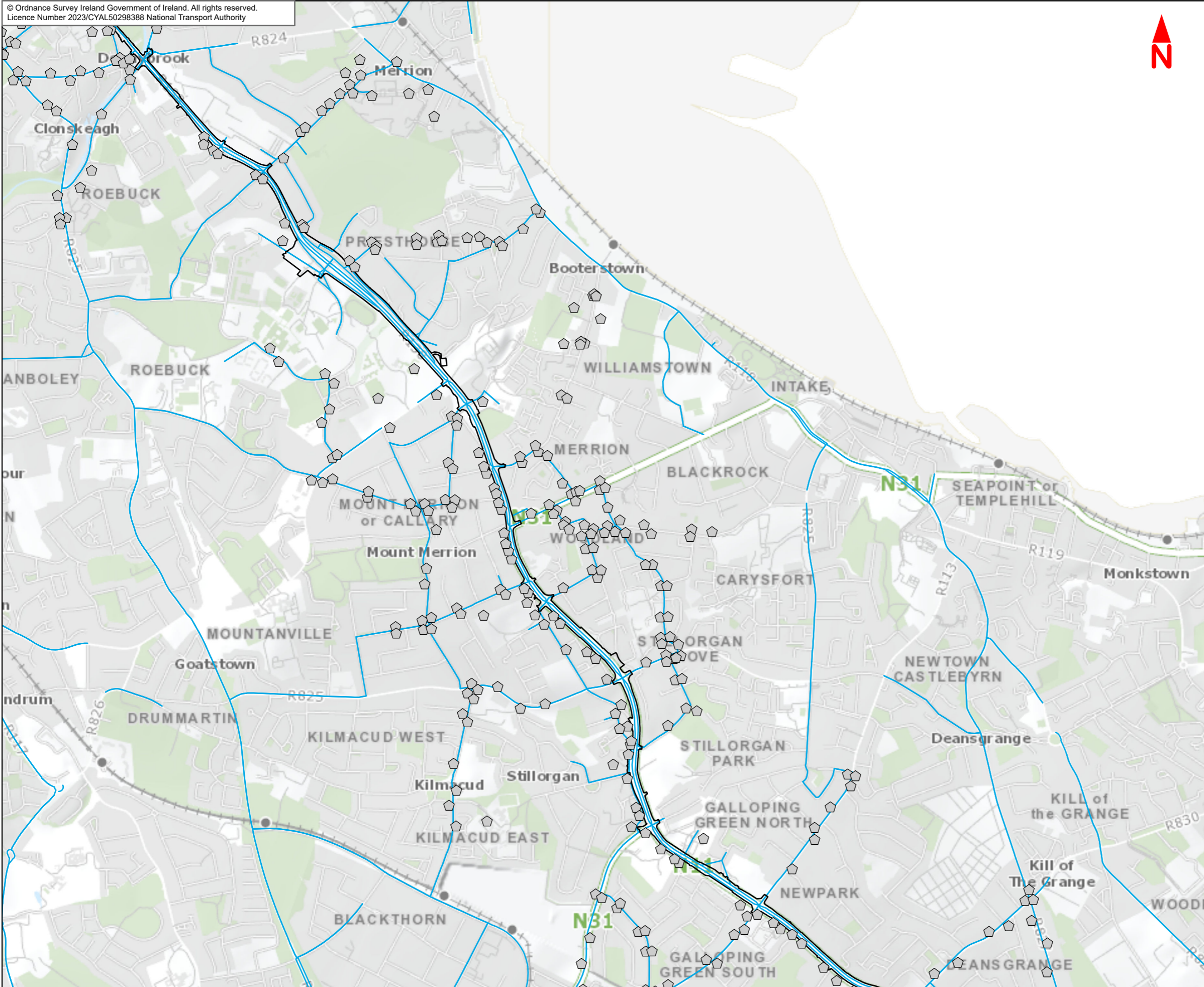
Date: 04/05/2023 Scale @ A3: 1:20 000

Project Code: BCIDE Originator Code: JAC

Drawn: LF Checked: SW Approved: DK

QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme Figure 7.7 Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0704	Sheet Number: 1 of 4	Status: A	Rev: M01



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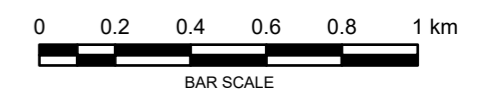
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM₁₀ concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

- ⬠ Negligible
- ⬠ Slight Adverse
- ⬠ Moderate Adverse
- ⬠ Substantial Adverse
- ⬠ Slight Beneficial
- ⬠ Moderate Beneficial
- ⬠ Substantial Beneficial

PM₁₀ Annual Mean Limit Value: 40 µg/m³

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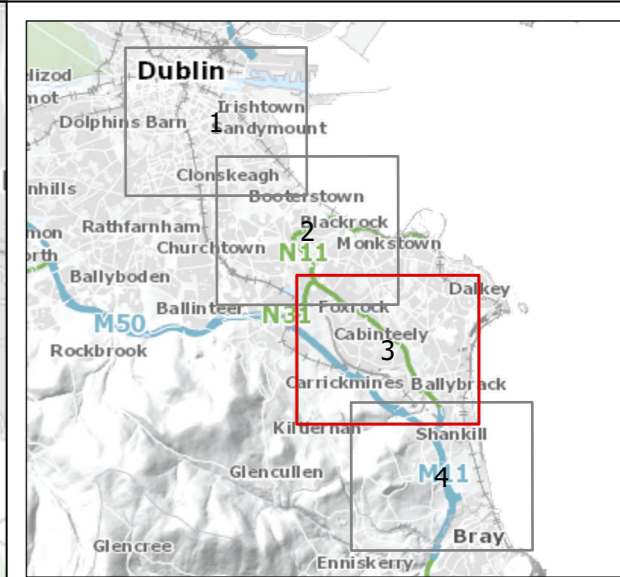
Rev	Date	Drn	Chk'd	App'd	Description
M01	May 2023	LF	SW	DK	ISSUE FOR PHASE 4 : PLANNING

Client
NTA
Udarás Náisiúnta Iompair
National Transport Authority

Consultant
JACOBS ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.7 Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0703	Sheet Number 2 of 4	Status A	Rev M01	

Date 04/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



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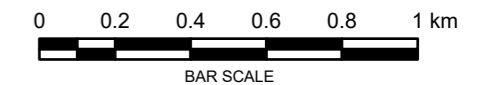
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM₁₀ concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM₁₀ Annual Mean Limit Value: 40 µg/m³

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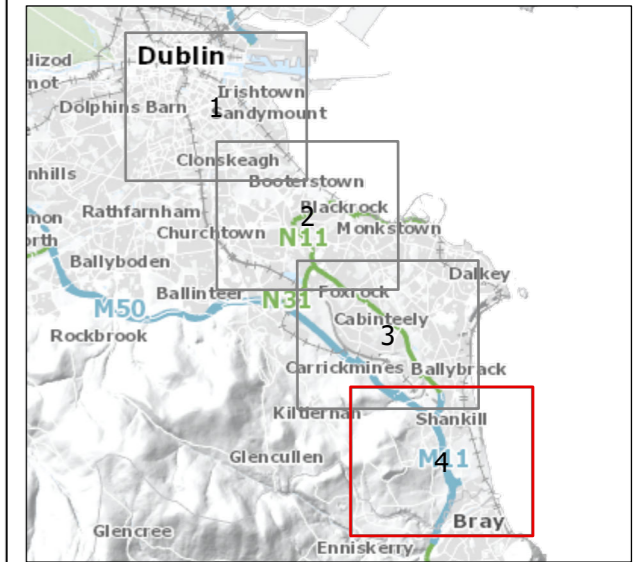
Consultant: **JACOBS ARUP SYSTRA**

Date: 04/05/2023
Scale @ A3: 1:20 000

Project Code: BCIDE
Originator Code: JAC

Drawn: LF
Checked: SW
Approved: DK

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme			
Figure 7.7 Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0702	Sheet Number: 3 of 4	Status: A	Rev: M01



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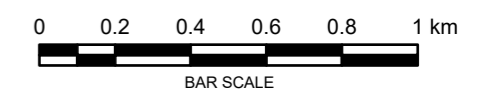
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM₁₀ concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM₁₀ Annual Mean Limit Value: 40 µg/m³

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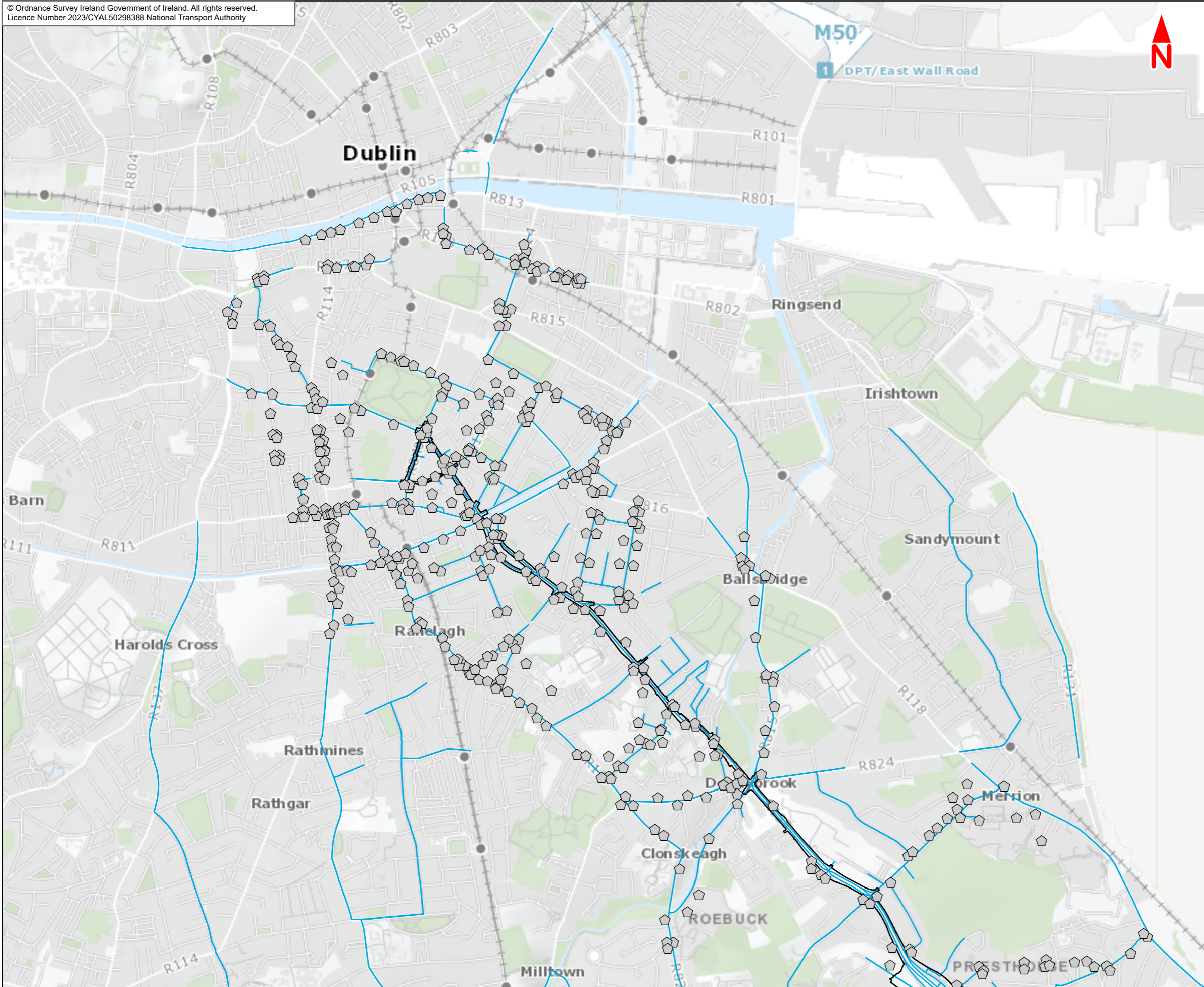
	Rev	Date	Drn	Chk'd	App'd	Description
	M01	May 2023	LF	SW	DK	ISSUE FOR PHASE 4 : PLANNING

Client		Consultant		
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Date	Scale @ A3	Drawn	Checked	Approved
04/05/2023	1:20 000	LF	SW	DK
Project Code	Originator Code	QMS Code		
BCIDE	JAC			

Programme Title				
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title				
Bray to City Centre Core Bus Corridor Scheme Figure 7.7 Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name	Sheet Number	Status	Rev	
BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0701	4 of 4	A	M01	

7.8

Modelled Annual Mean
PM_{2.5} Impacts ($\mu\text{g}/\text{m}^3$) due to
Bray to City Centre Core Bus
Corridor Scheme - Construction
Phase (2024)



Legend :

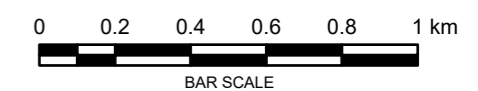
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM_{2.5} concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM_{2.5} Annual Mean Limit Value: 25 µg/m³

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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

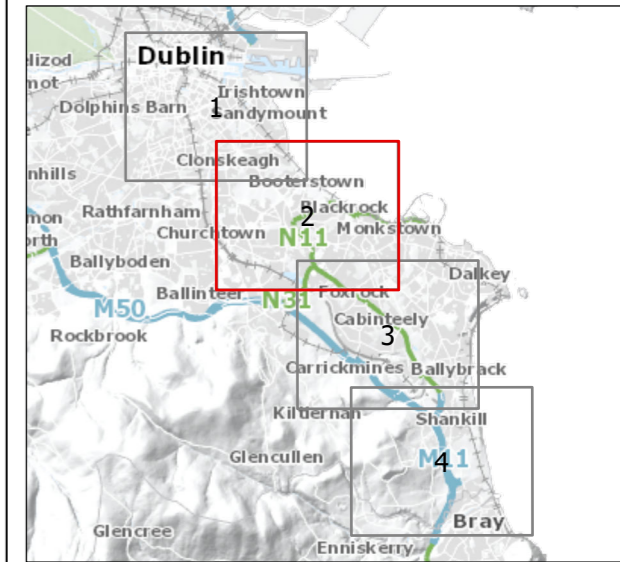
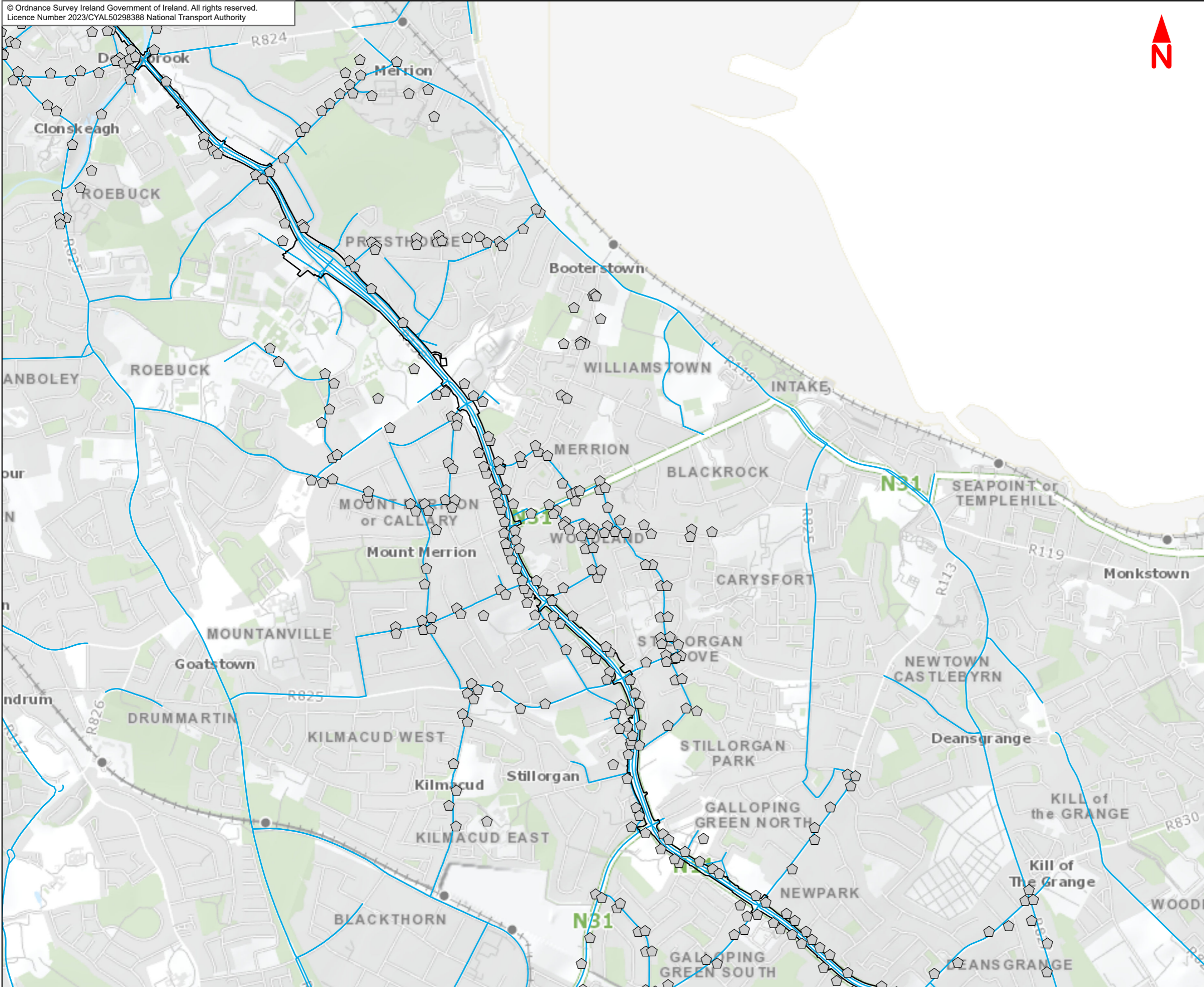
Date: 12/05/2023 Scale @ A3: 1:20 000

Project Code: BCIDE Originator Code: JAC

Drawn: LF Checked: SW Approved: DK

QMS Code:

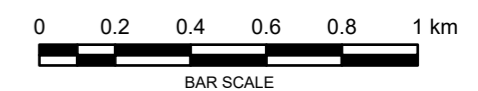
Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme			
Modelling Title: Figure 7.8 Modelling Annual Mean PM _{2.5} Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0804	Sheet Number: 1 of 4	Status: A	Rev: M01



- Legend :**
- Bray to City Centre Core Bus Corridor Scheme
 - Modelled Road Network
- Significance of the modelled change in the annual mean PM_{2.5} concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**
- Negligible
 - Slight Adverse
 - Moderate Adverse
 - Substantial Adverse
 - Slight Beneficial
 - Moderate Beneficial
 - Substantial Beneficial

PM_{2.5} Annual Mean Limit Value: 25 µg/m³

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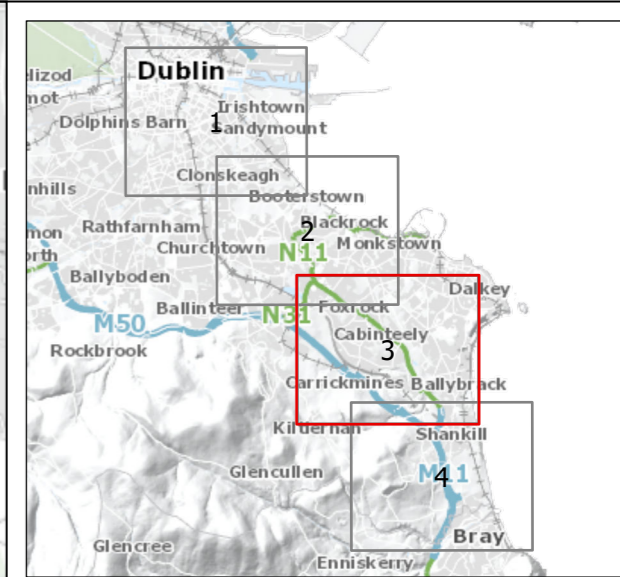
Rev	Date	Drn	Chk'd	App'd	Description
M01	May 2023	LF	SW	DK	ISSUE FOR PHASE 4 : PLANNING

Client
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National Transport Authority

Consultant
JACOBS
ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Bray to City Centre Core Bus Corridor Scheme Figure 7.8 Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0803	Sheet Number 2 of 4	Status A	Rev M01	

Date 12/05/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



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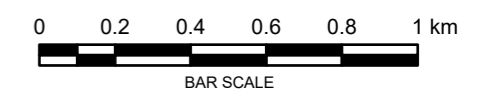
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM_{2.5} concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

- Negligible
- Slight Adverse
- Moderate Adverse
- Substantial Adverse
- Slight Beneficial
- Moderate Beneficial
- Substantial Beneficial

PM_{2.5} Annual Mean Limit Value: 25 µg/m³

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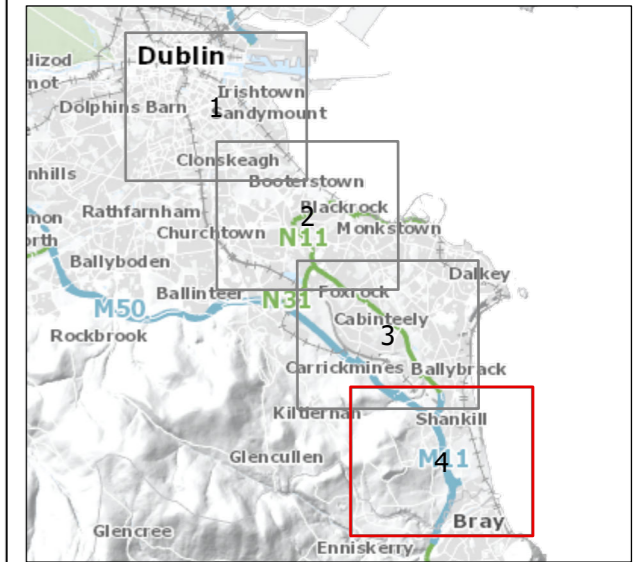
Client: **NTA**
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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 12/05/2023 Scale @ A3: 1:20 000
Project Code: BCIDE Originator Code: JAC

Drawn: LF Checked: SW Approved: DK
QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Bray to City Centre Core Bus Corridor Scheme			
Modelling Title: Figure 7.8			
Modelling Description: Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0802	Sheet Number: 3 of 4	Status: A	Rev: M01



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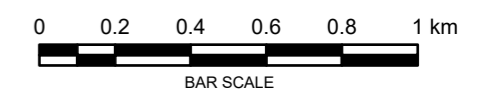
- Bray to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM_{2.5} concentration due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

- ◻ Negligible
- ◻ Slight Adverse
- ◻ Moderate Adverse
- ◻ Substantial Adverse
- ◻ Slight Beneficial
- ◻ Moderate Beneficial
- ◻ Substantial Beneficial

PM_{2.5} Annual Mean Limit Value: 25 µg/m³

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Project Code	Originator Code	QMS Code		
BCIDE	JAC			

Programme Title				
BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title				
Bray to City Centre Core Bus Corridor Scheme Figure 7.8 Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Bray to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name	Sheet Number	Status	Rev	
BCIDE-JAC-ENV_AQ-0013_XX_00-DR-GG-0801	4 of 4	A	M01	