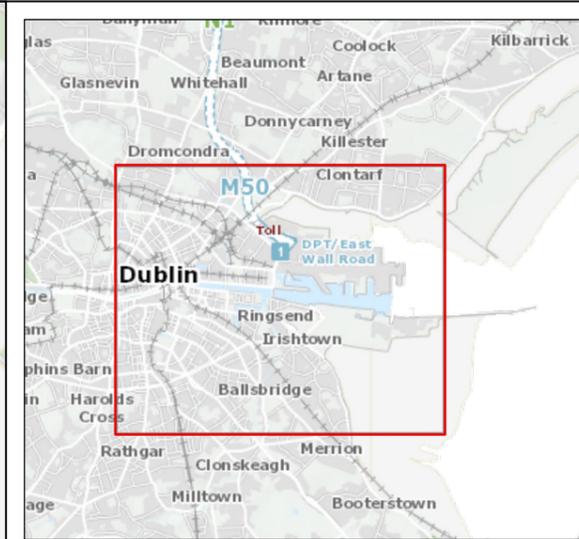
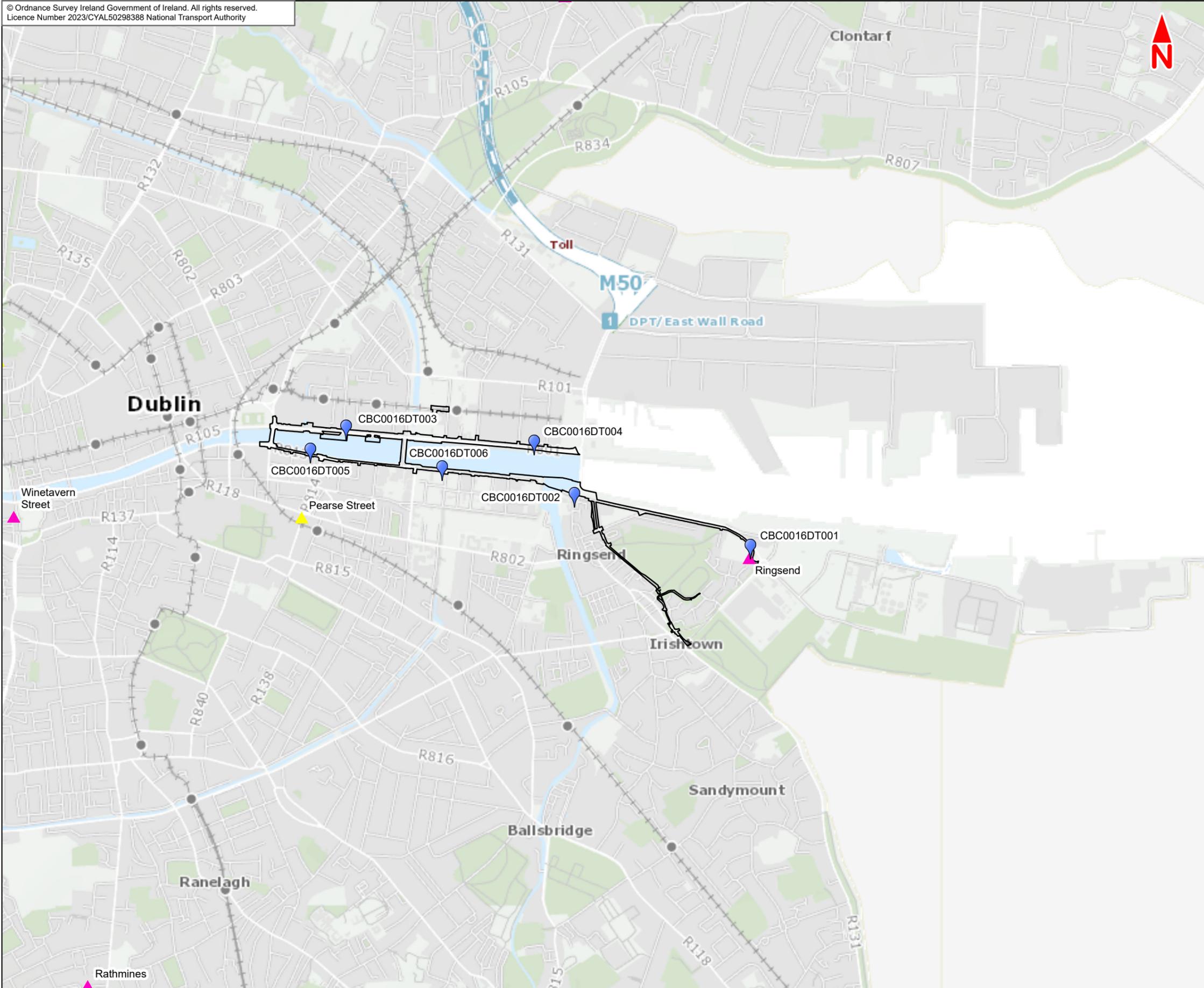


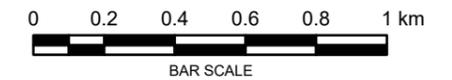
7.1 Monitoring Locations





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

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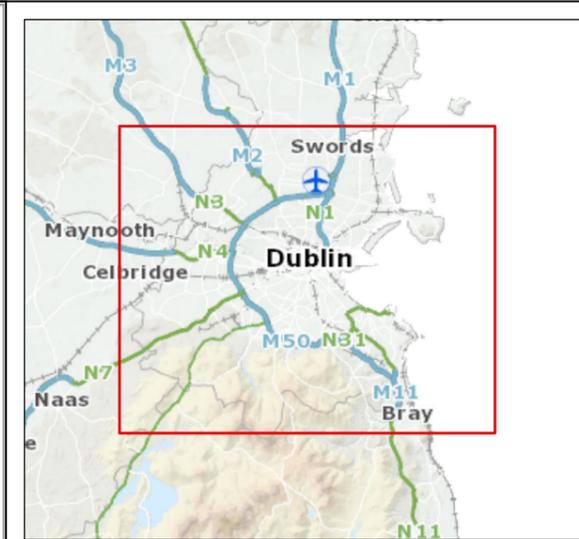
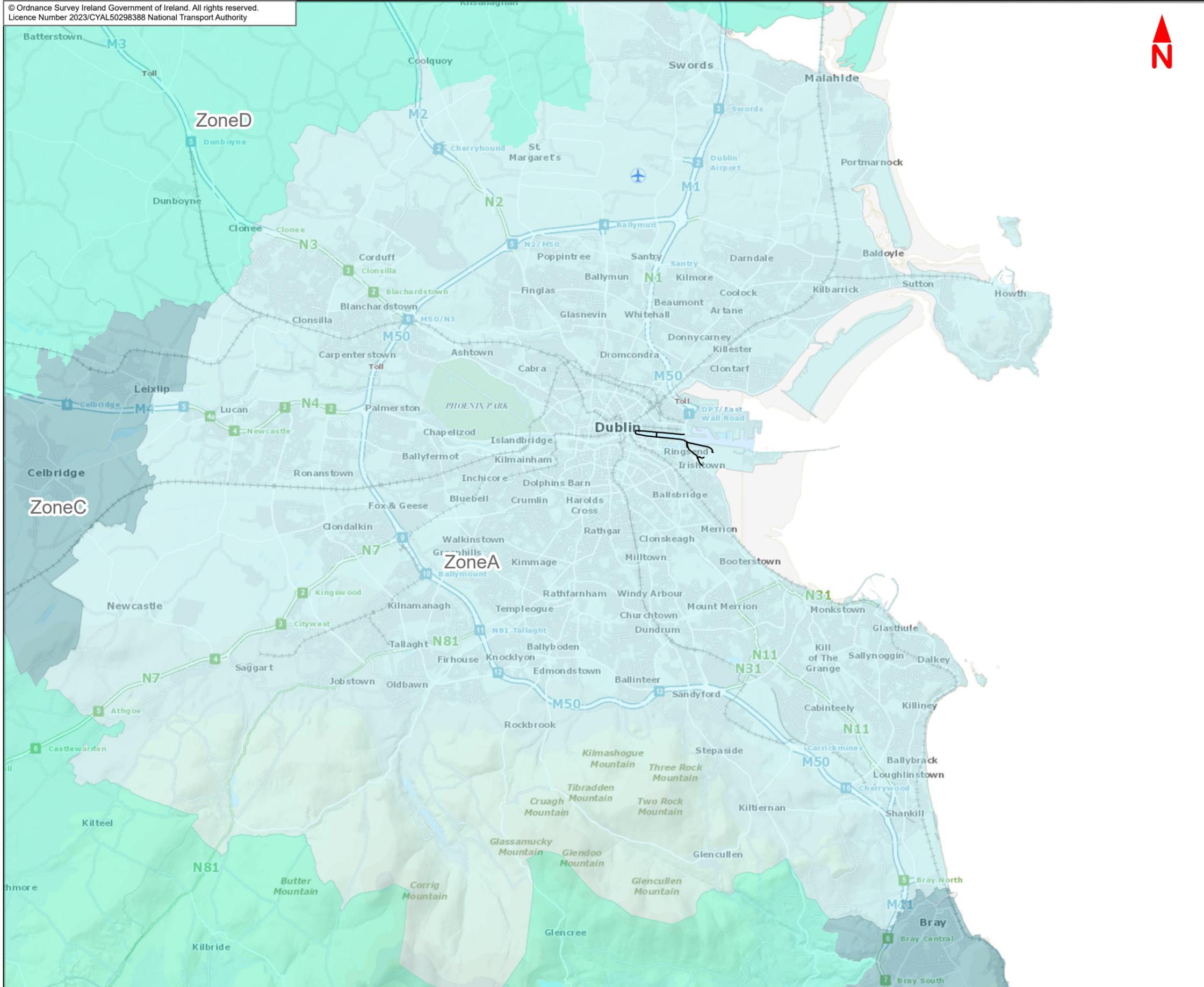
 Udarás Náisiúnta Iompair National Transport Authority		Consultant 							
Date	11/04/2023	Scale @ A3	1:20 000	Drawn	LF	Checked	SW	Approved	DK
Project Code	BCIDE	Originator Code	JAC	QMS Code					

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS							
Drawing Title Ringsend to City Centre Core Bus Corridor Scheme Figure 7.1 Monitoring Locations							
Drawing File Name	BCIDE-JAC-ENV_AQ-0016_XX_00-DR-GG-0101	Sheet Number	1 of 1	Status	A	Rev	M01



7.2 Air Quality Zones





- Legend :**
- Ringsend 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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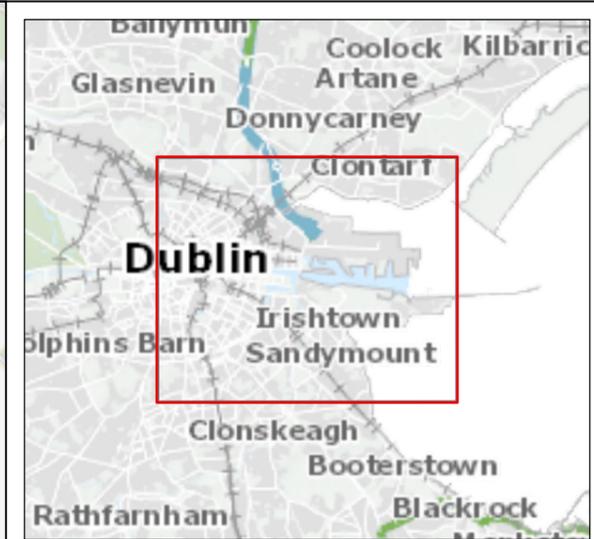
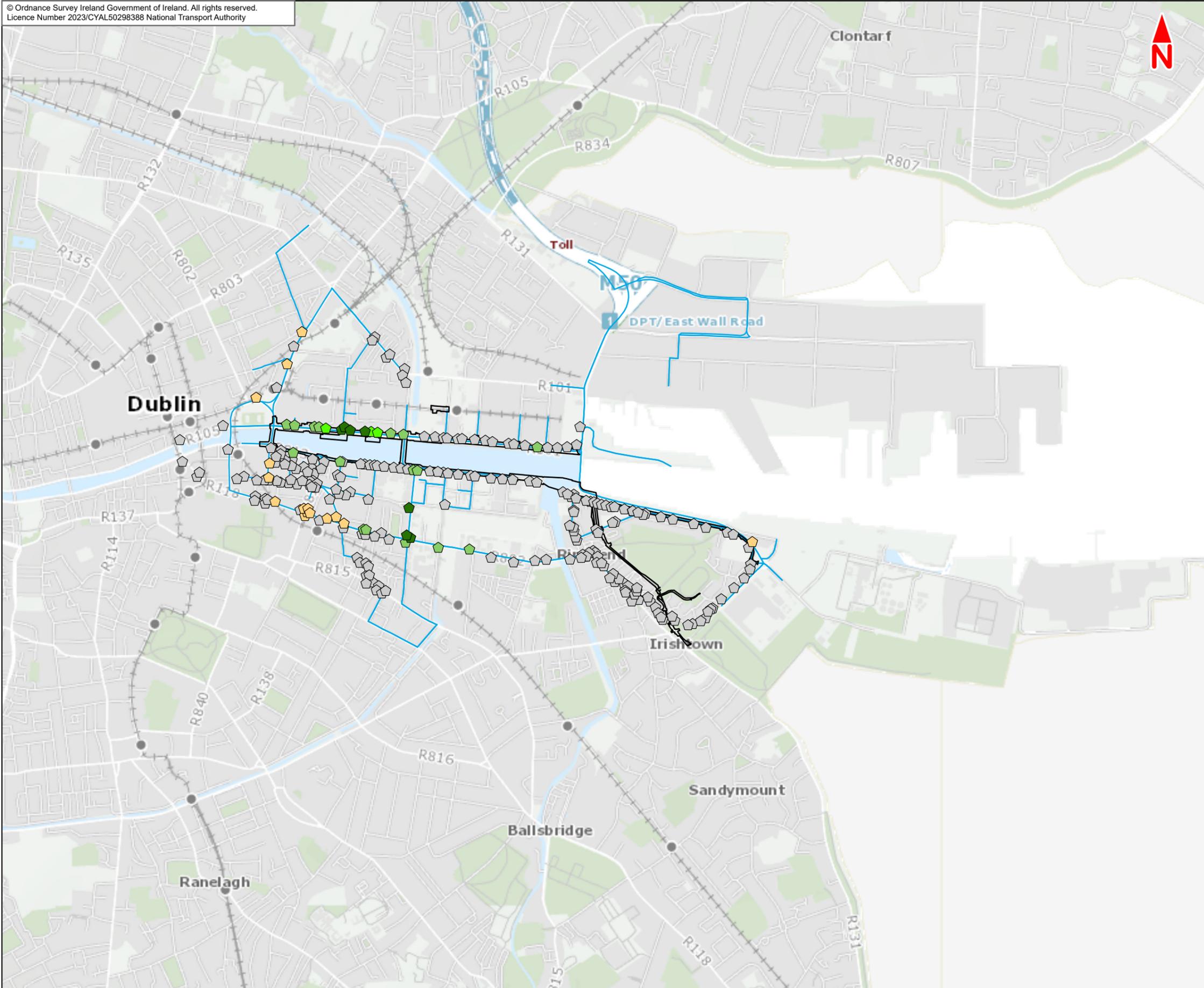
Consultant
JACOBS
ARUP SYSTRA

Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Ringsend to City Centre Core Bus Corridor Scheme Figure 7.2 Air Quality Zones				
Date 11/04/2023	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-0016_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
Ringsend to City Centre Core
Bus Corridor Scheme (2028)





Legend :

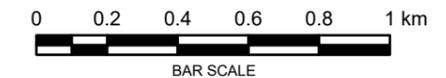
- Ringsend to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean NO₂ concentration due to Ringsend 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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Consultant

Programme Title					BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title					Ringsend to City Centre Core Bus Corridor Scheme Figure 7.3 Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Ringsend to City Centre Core Bus Corridor Scheme (2028)				
Date	11/04/2023	Scale @ A3	1:20 000	Drawn	LF	Checked	SW	Approved	DK
Project Code	BCIDE	Originator Code	JAC	QMS Code					
Drawing File Name	BCIDE-JAC-ENV_AQ-0016_XX_00-DR-GG-0003	Sheet Number	1 of 1	Status	A	Rev	M01		

7.4

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





Legend :

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

Significance of the modelled change in the annual mean PM₁₀ concentration due to Ringsend 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

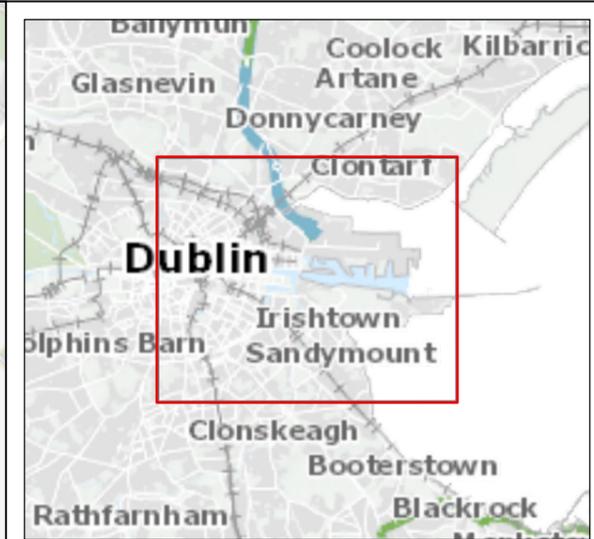
Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title Ringsend to City Centre Core Bus Corridor Scheme Figure 7.4 Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Ringsend to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0016_XX_00-DR-GG-0004	Sheet Number 1 of 1	Status A	Rev M01	

Date 11/04/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

7.5

Modelled Annual Mean
PM2.5 Impacts ($\mu\text{g}/\text{m}^3$) due to
Ringsend to City Centre Core
Bus Corridor Scheme (2028)





Legend :

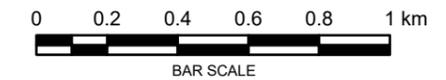
- Ringsend to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM_{2.5} concentration due to Ringsend 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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Udarás Náisiúnta Iompair
National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 11/04/2023
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: Ringsend to City Centre Core Bus Corridor Scheme Figure 7.5 Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Ringsend to City Centre Core Bus Corridor Scheme (2028)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0016_XX_00-DR-GG-0005	Sheet Number: 1 of 1	Status: A	Rev: M01

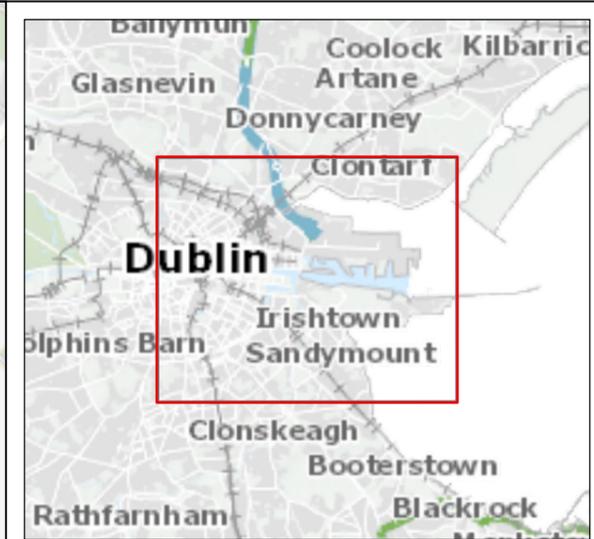
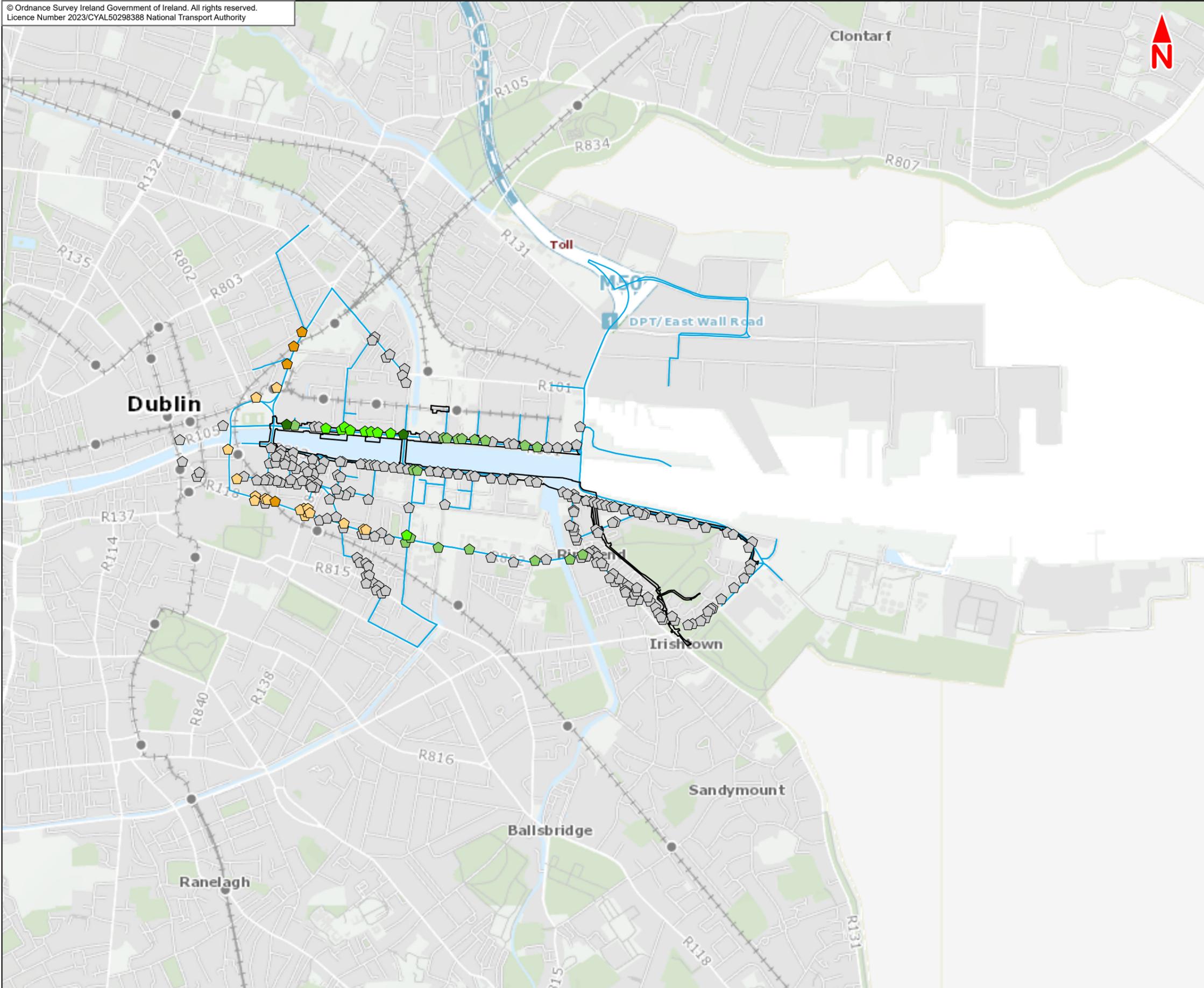


7.6

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

Corridor Scheme -
Construction Phase (2024)





Legend :

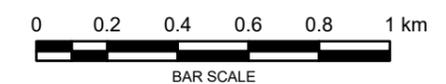
- Ringsend to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean NO₂ concentration due to Ringsend 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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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

Date: 11/04/2023
Scale @ A3: 1:20 000

Project Code: BCIDE
Originator Code: JAC

Drawn: LF
Checked: SW
Approved: DK

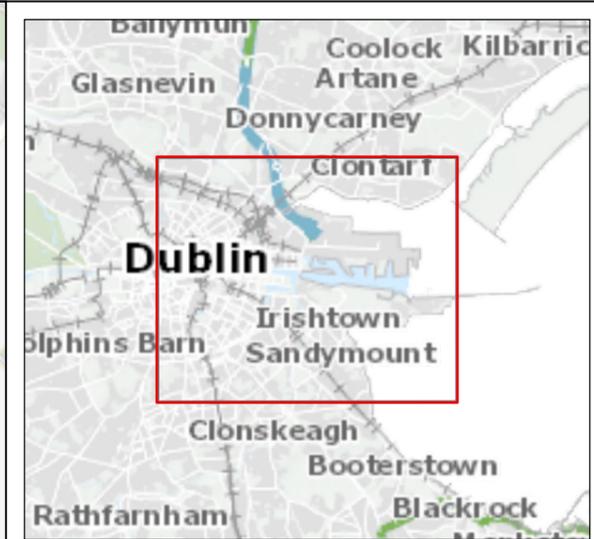
QMS Code:

Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Ringsend to City Centre Core Bus Corridor Scheme Figure 7.6 Modelled Annual Mean NO ₂ Impacts (µg/m ³) due to Ringsend to City Centre Core Bus Corridor Scheme - Construction Phase (2024)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0016_XX_00-DR-GG-0006	Sheet Number: 1 of 1	Status: A	Rev: M01



7.7

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



Legend :

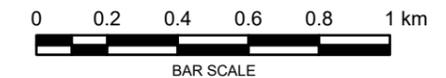
- Ringsend to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM₁₀ concentration due to Ringsend 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

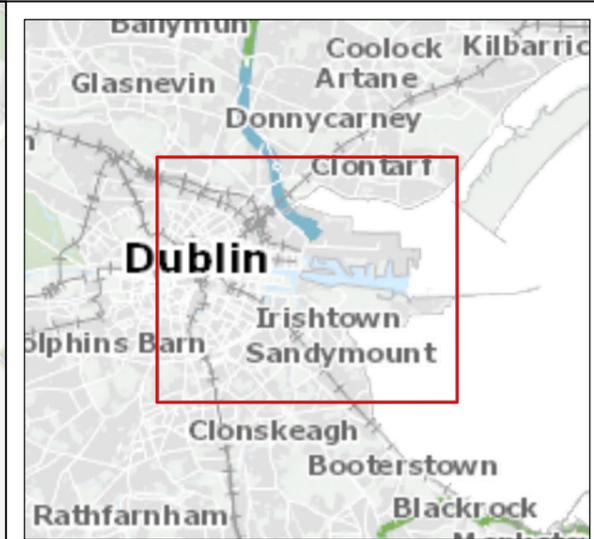
Programme Title					BUSCONNECTS DUBLIN				
					CORE BUS CORRIDORS INFRASTRUCTURE WORKS				
Drawing Title					Ringsend to City Centre Core Bus Corridor Scheme				
					Figure 7.7				
					Modelled Annual Mean PM ₁₀ Impacts (µg/m ³) due to Ringsend to City Centre Core Bus Corridor Scheme- Construction Phase (2024)				
Drawing File Name			Sheet Number		Status		Rev		
BCIDE-JAC-ENV_AQ-0016_XX_00-DR-GG-0007			1 of 1		A		M01		

Date	Scale @ A3	Drawn	Checked	Approved
11/04/2023	1:20 000	LF	SW	DK
Project Code	Originator Code	QMS Code		
BCIDE	JAC			

7.8

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





Legend :

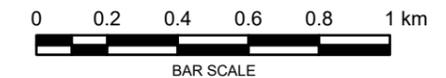
- Ringsend to City Centre Core Bus Corridor Scheme
- Modelled Road Network

Significance of the modelled change in the annual mean PM_{2.5} concentration due to Ringsend 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 Ireland 2040
Building Ireland's Future

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

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

Consultant: **JACOBS ARUP SYSTRA**

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Programme Title: BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS			
Drawing Title: Ringsend to City Centre Core Bus Corridor Scheme			
Figure 7.8 Modelled Annual Mean PM _{2.5} Impacts (µg/m ³) due to Ringsend to City Centre Core Bus Corridor Scheme - Construction Phase (2024)			
Drawing File Name: BCIDE-JAC-ENV_AQ-0016_XX_00-DR-GG-0008	Sheet Number: 1 of 1	Status: A	Rev: M01