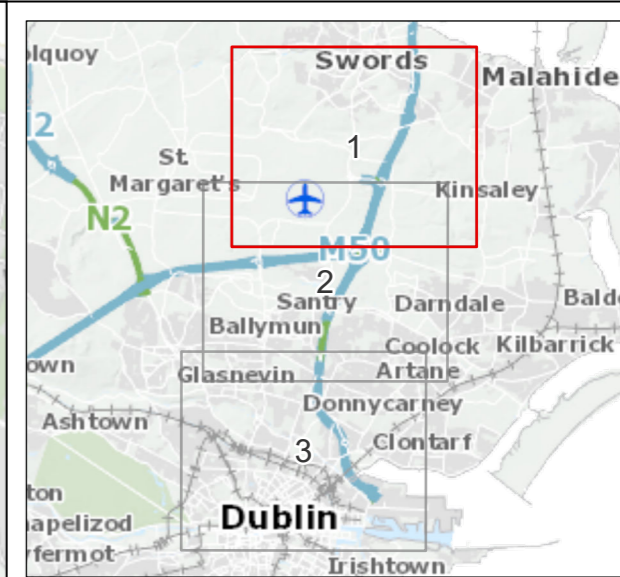
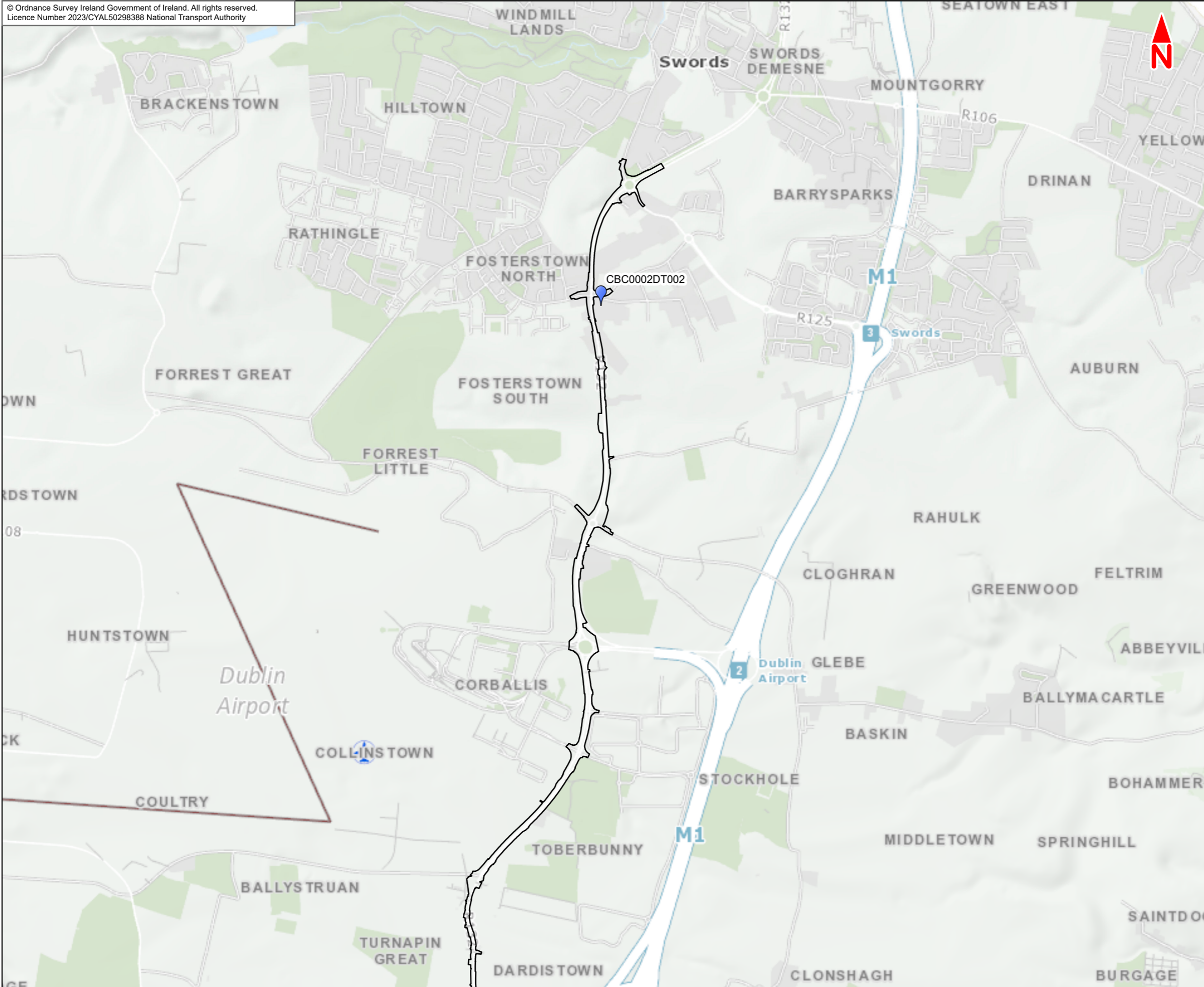




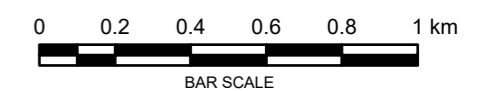
# 7.1 Monitoring Locations





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

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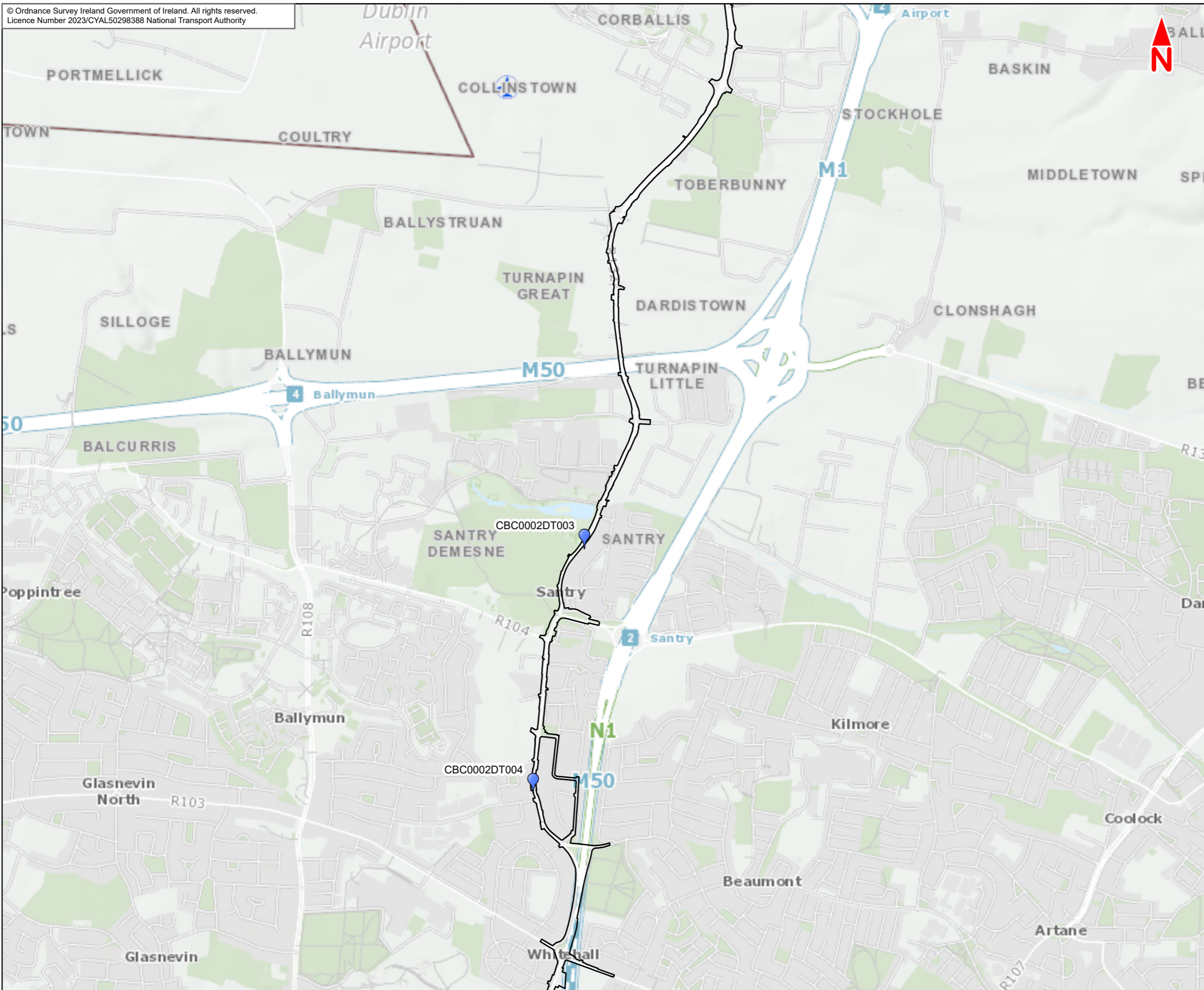


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M01	Apr 2023	LF	SW	DK	ISSUE FOR PHASE 4 : PLANNING



Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
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 <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.1 Monitoring Locations				
Drawing File Name BCIDE-JAC-ENV_AQ-002_XX_00-DR-GG-0101	Sheet Number 1 of 3	Status A	Rev M01	

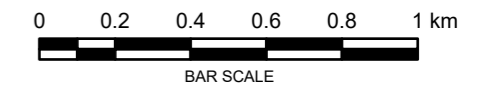




**Legend :**

-  Swords to City Centre Core Bus Corridor Scheme
-  Diffusion Tube

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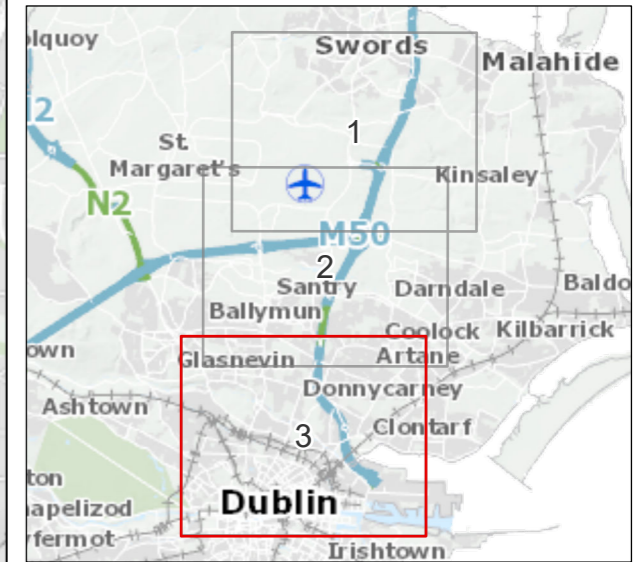
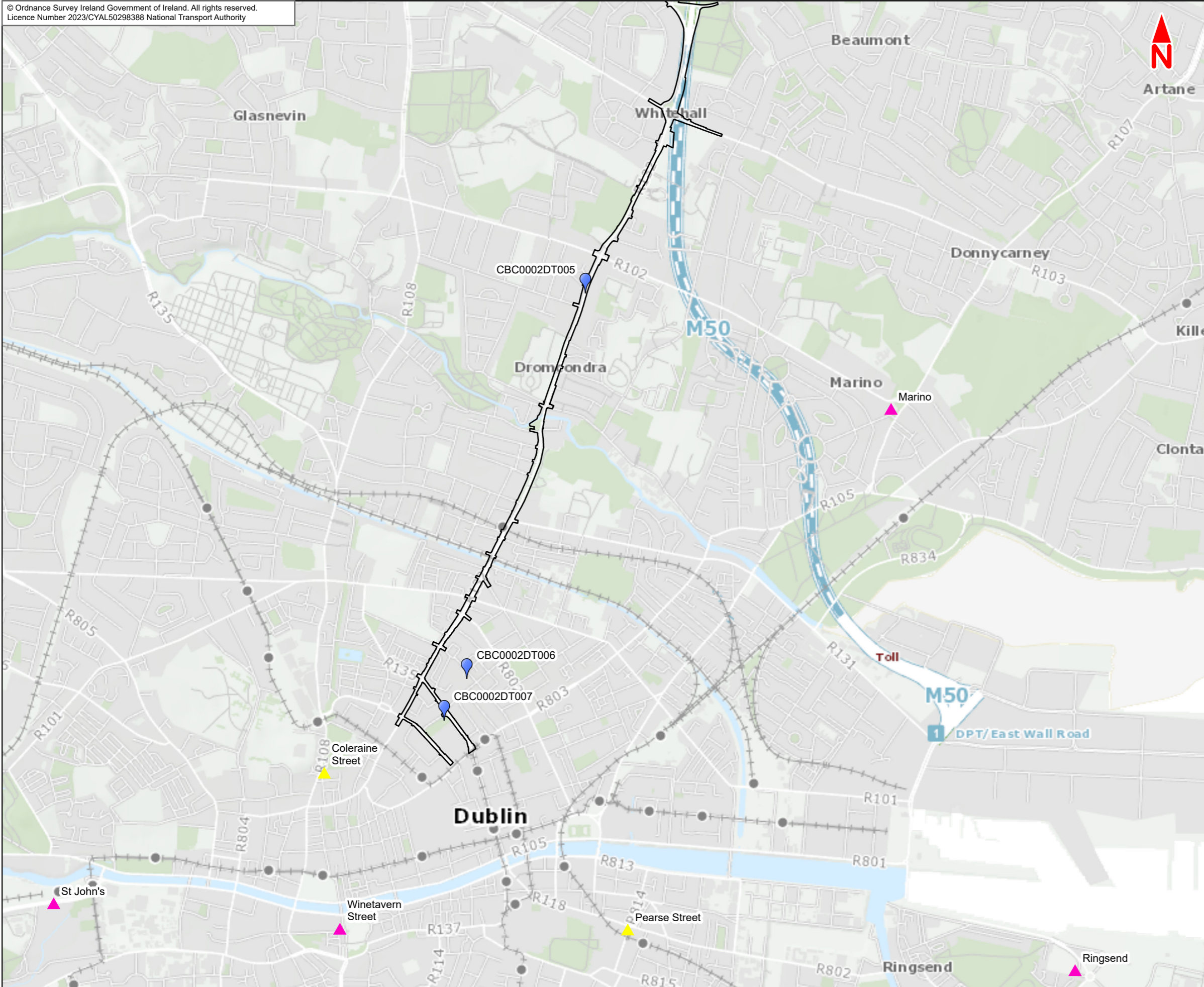


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Client <b>NTA</b> Údarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
Date 11/04/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		

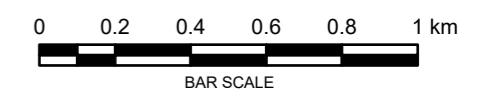
Programme Title <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.1 Monitoring Locations				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0102	Sheet Number 2 of 3	Status A	Rev M01	





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

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National Transport Authority

Consultant: **JACOBS ARUP SYSTRA**

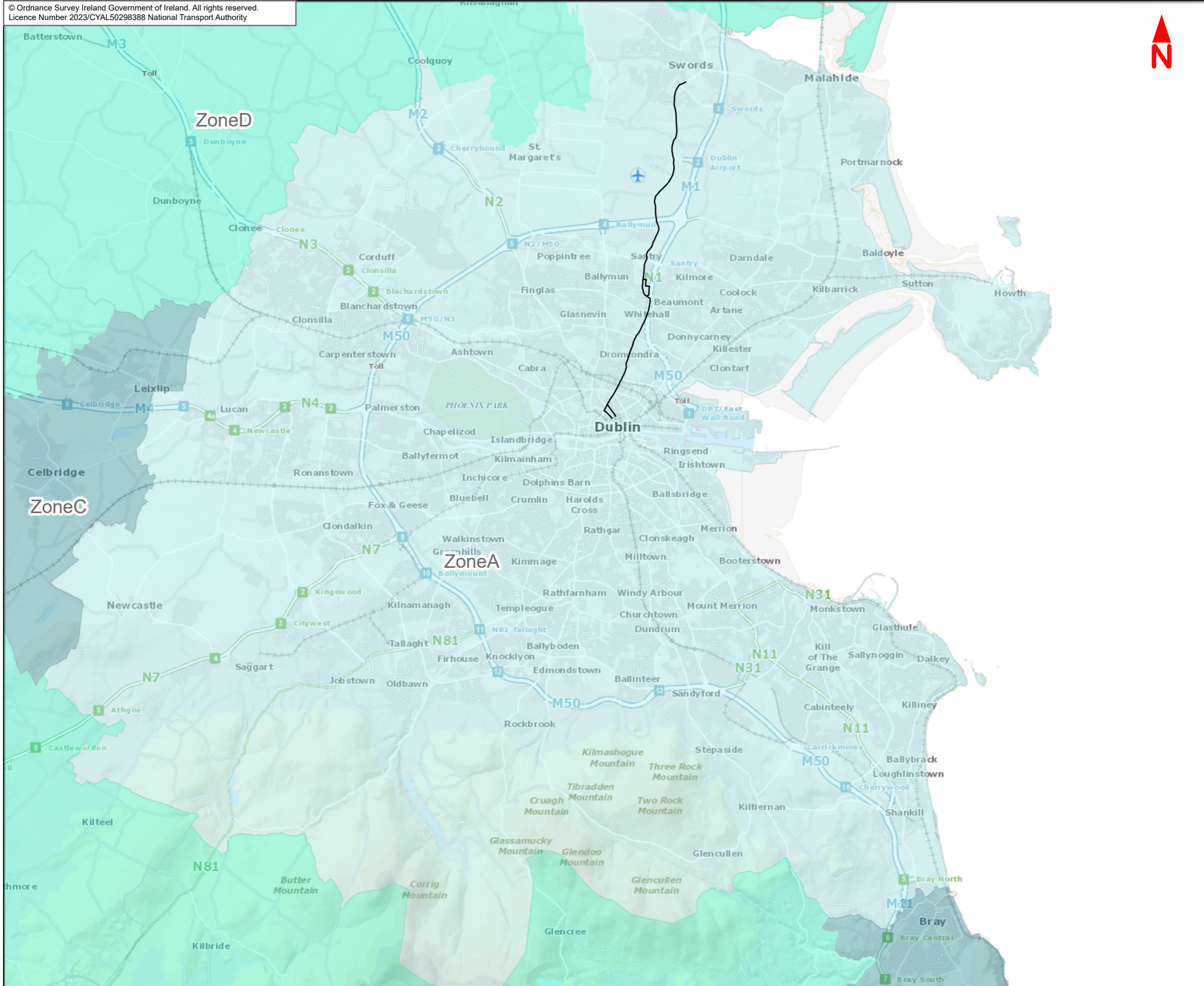
Date: 11/04/2023 Scale @ A3: 1:20 000  
 Drawn: LF Checked: SW Approved: DK  
 Project Code: BCIDE Originator Code: JAC QMS Code:

Programme Title: <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>			
Drawing Title: Swords to City Centre Core Bus Corridor Scheme Figure 7.1 Monitoring Locations			
Drawing File Name: BCIDE-JAC-ENV_AQ-002_XX_00-DR-GG-0103	Sheet Number: 3 of 3	Status: A	Rev: M01

## 7.2 Air Quality Zones







- Legend :**
- Swords 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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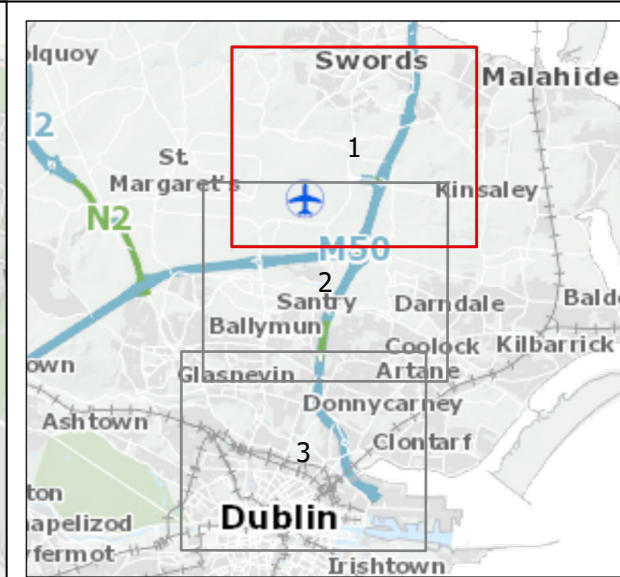
Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords 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-0002_XX_00-DR-GG-0200	Sheet Number 1 of 1	Status A	Rev M01	

## 7.3

Modelled Annual Mean  
NO<sub>2</sub> Impacts ( $\mu\text{g}/\text{m}^3$ ) due to  
Swords to City Centre Core Bus  
Corridor Scheme (2028)





**Legend :**

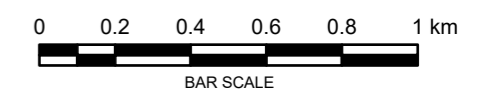
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean NO<sub>2</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme (2028)**

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

NO<sub>2</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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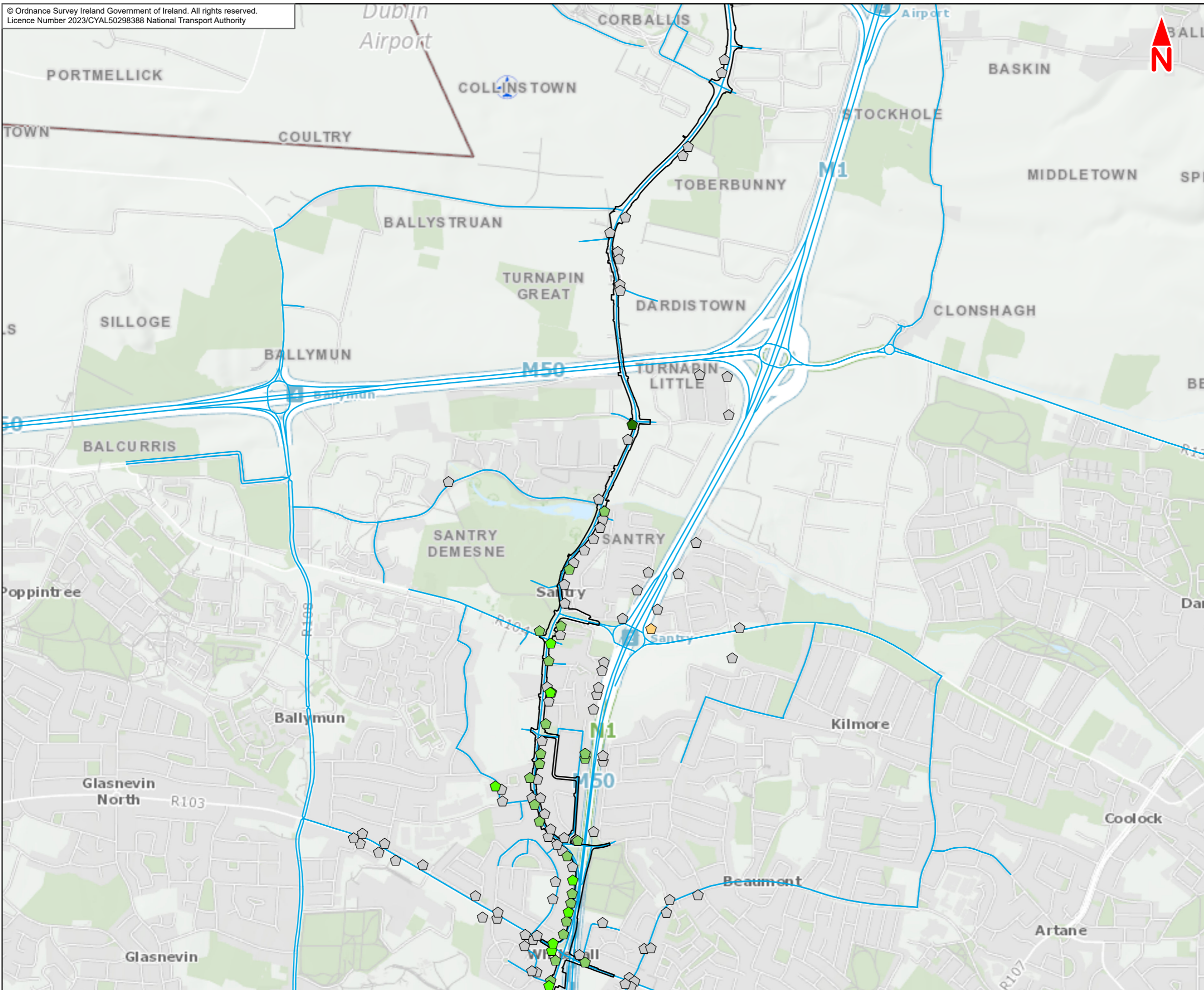
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.3 Modelled Annual Mean NO <sub>2</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0301	Sheet Number 1 of 3	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		





**Legend :**

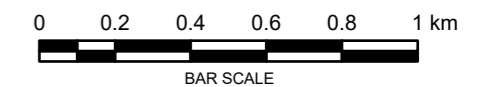
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean NO<sub>2</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme (2028)**

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

NO<sub>2</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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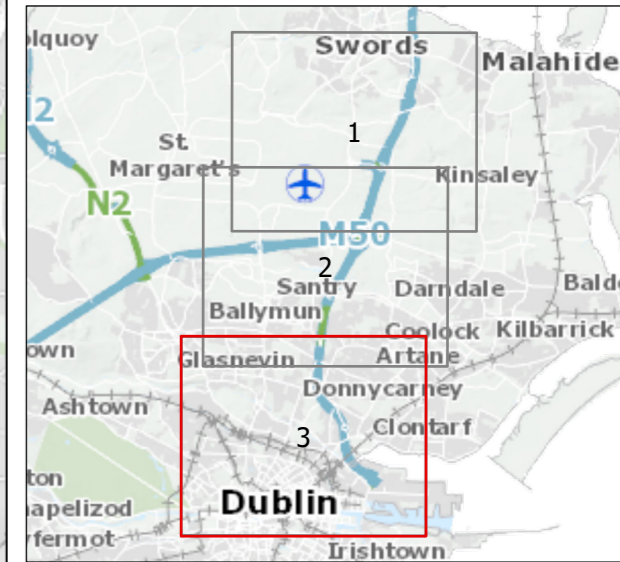
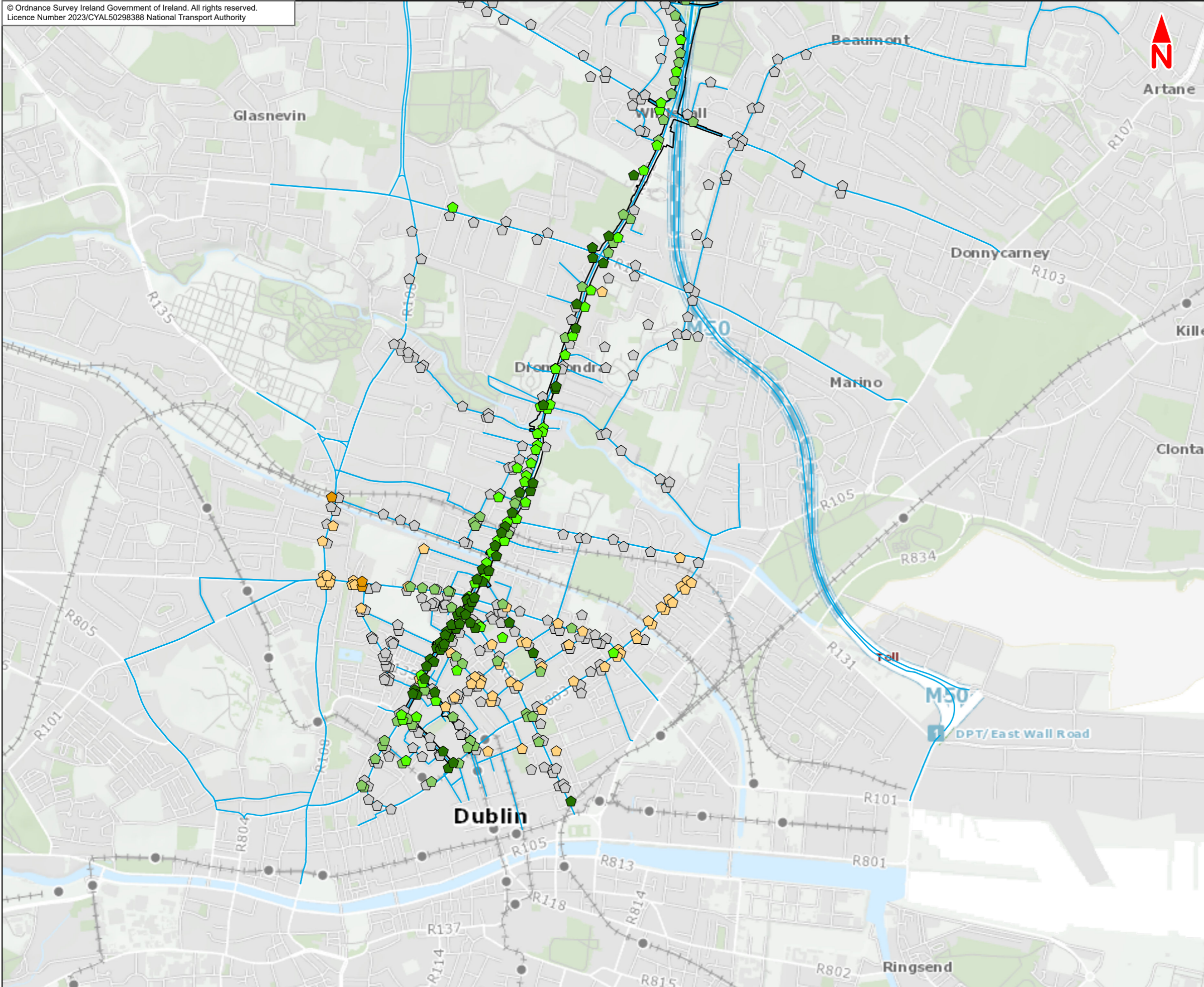
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.3 Modelled Annual Mean NO <sub>2</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0302	Sheet Number 2 of 3	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		





**Legend :**

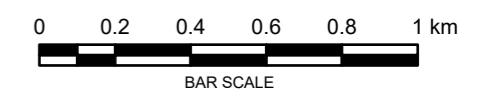
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean NO<sub>2</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme (2028)**

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

NO<sub>2</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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Consultant  
**JACOBS ARUP SYSTRA**

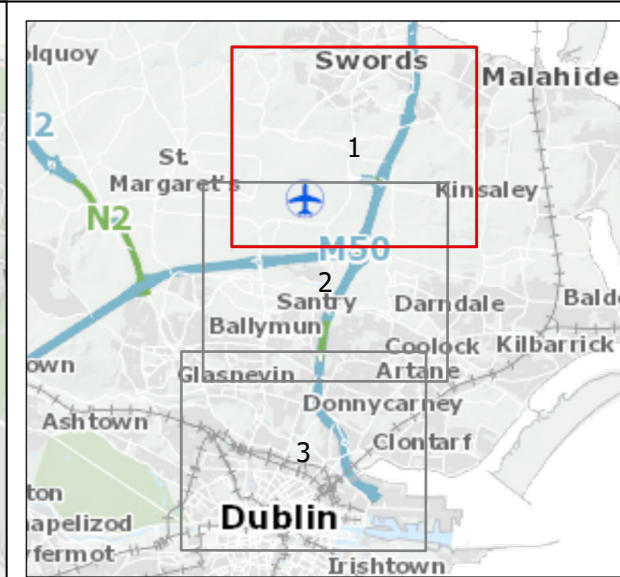
Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.3 Modelled Annual Mean NO <sub>2</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0303	Sheet Number 3 of 3	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		

## 7.4

Modelled Annual Mean  
PM<sub>10</sub> Impacts ( $\mu\text{g}/\text{m}^3$ ) due to  
Swords to City Centre Core Bus  
Corridor Scheme (2028)





**Legend :**

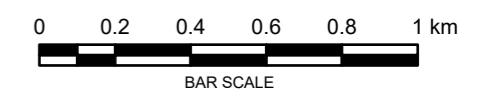
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>10</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme (2028)**

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

PM<sub>10</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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M01	Apr 2023	LF	SW	DK	ISSUE FOR PHASE 4 : PLANNING

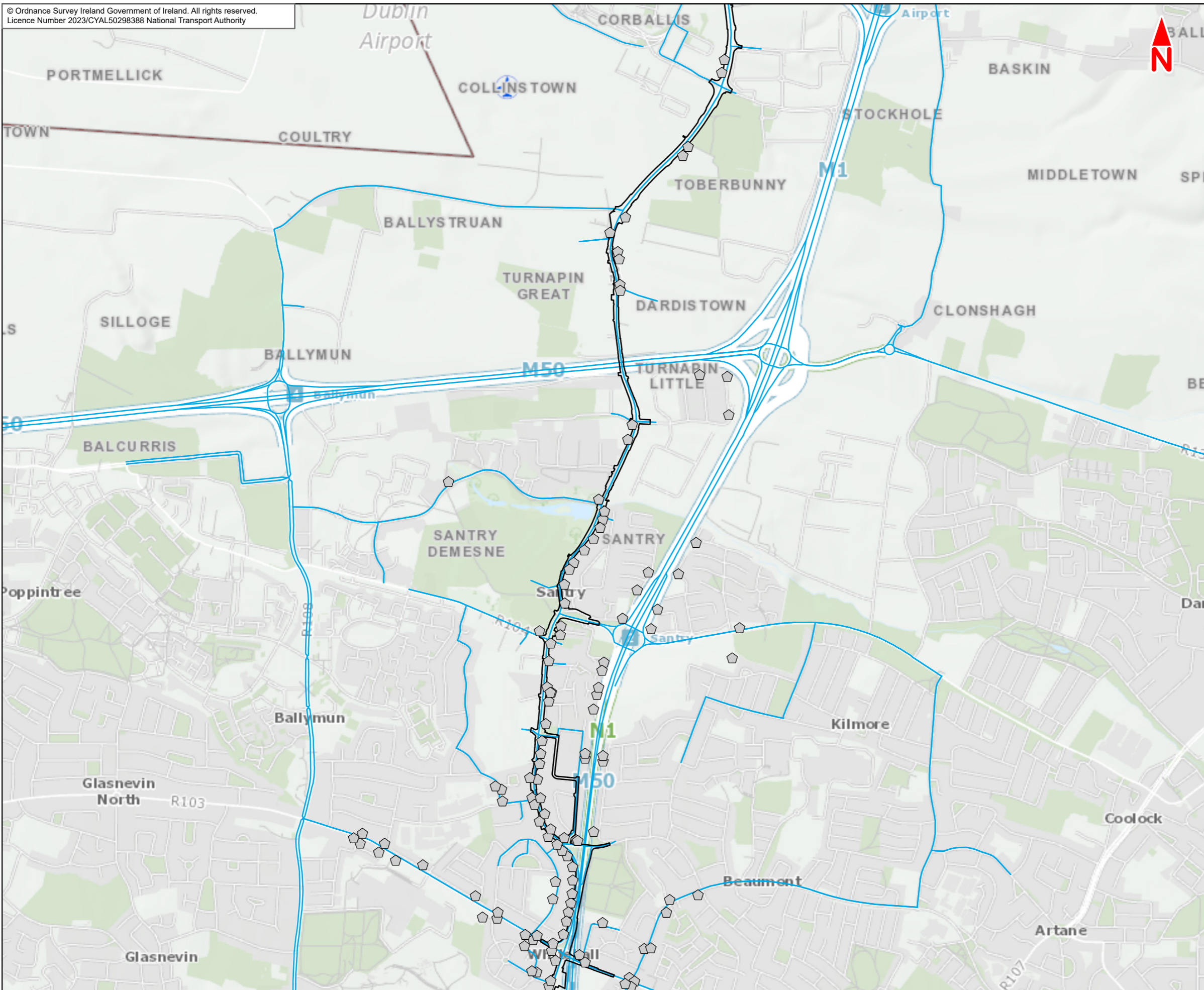
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.4 Modelled Annual Mean PM <sub>10</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-002_XX_00-DR-GG-0401	Sheet Number 1 of 3	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		





**Legend :**

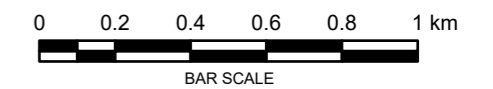
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>10</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme (2028)**

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

PM<sub>10</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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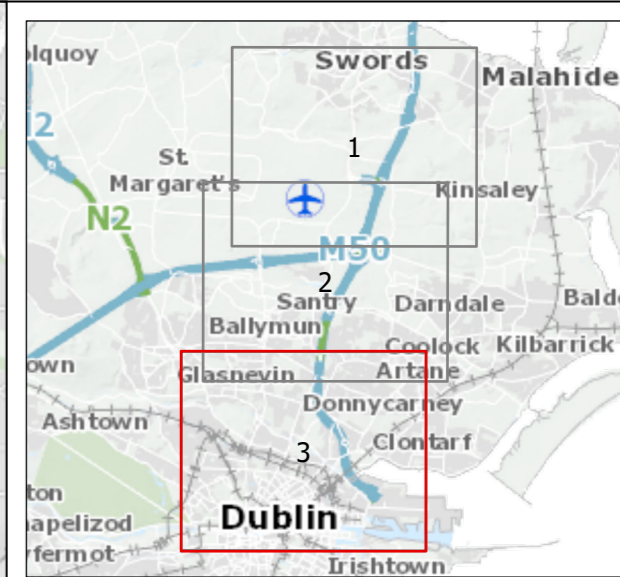
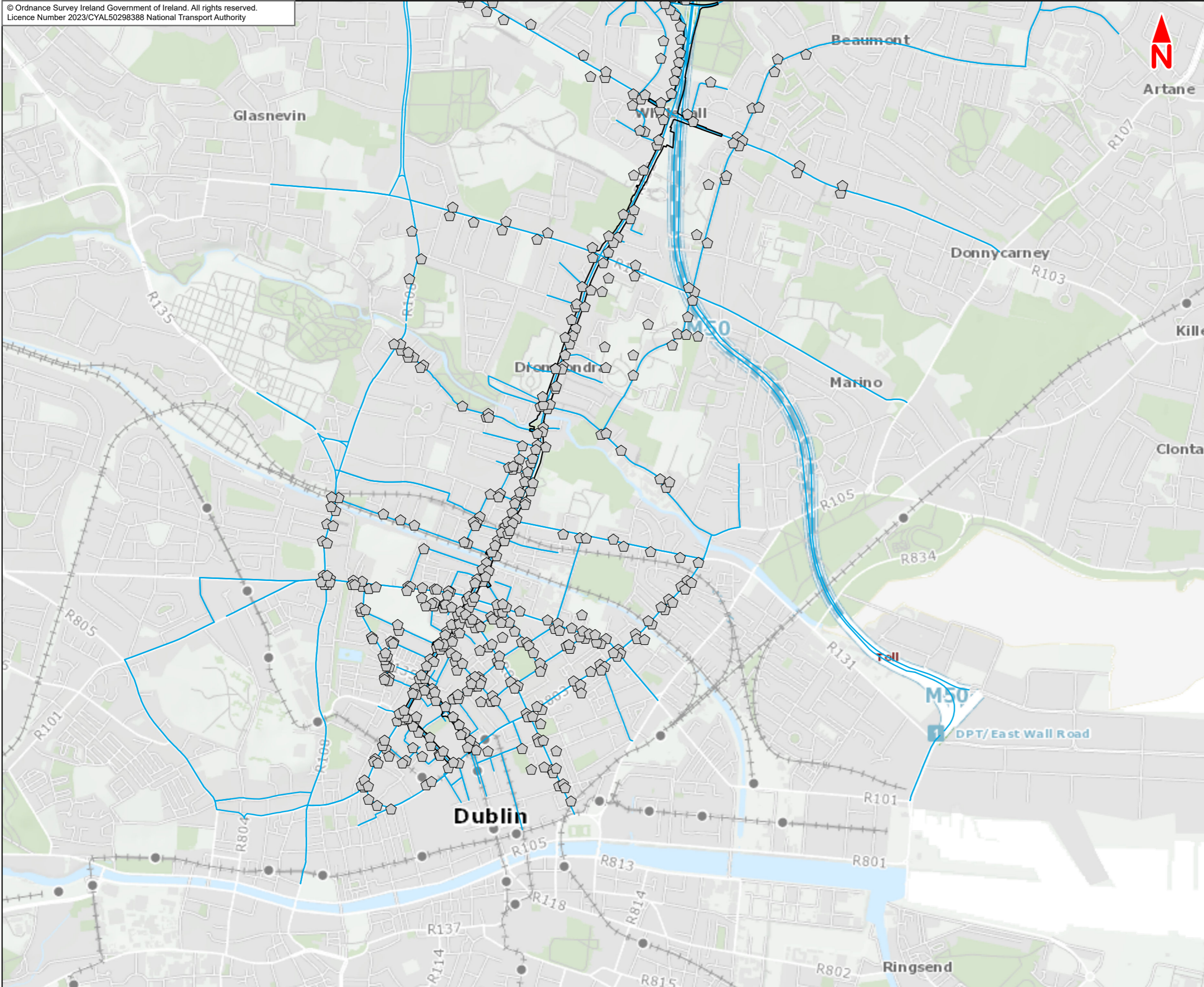
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.4 Modelled Annual Mean PM <sub>10</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0402	Sheet Number 2 of 3	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		





**Legend :**

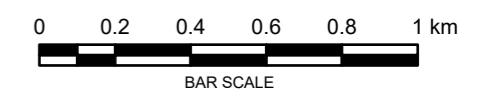
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>10</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme (2028)**

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

PM<sub>10</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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

Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.4 Modelled Annual Mean PM <sub>10</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-002_XX_00-DR-GG-0403	Sheet Number 3 of 3	Status A	Rev M01	

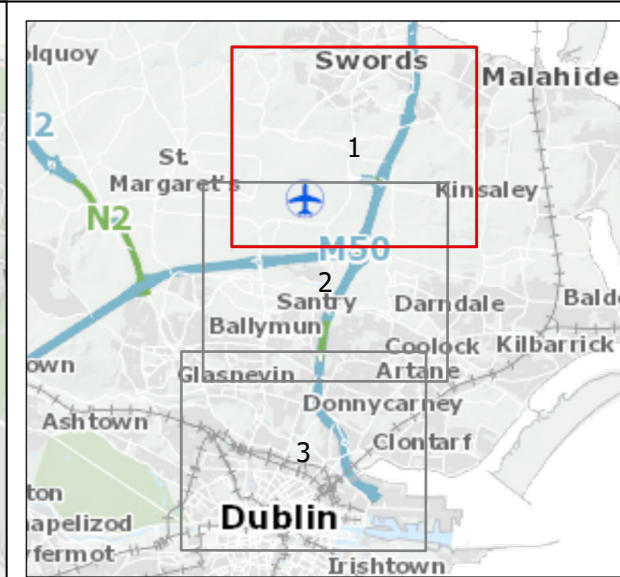
Date 11/04/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



## 7.5

Modelled Annual Mean  
PM<sub>2.5</sub> Impacts ( $\mu\text{g}/\text{m}^3$ ) due to  
Swords to City Centre Core Bus  
Corridor Scheme (2028)





**Legend :**

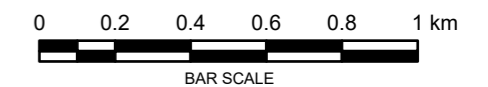
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>2.5</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme (2028)**

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

PM<sub>2.5</sub> Annual Mean Limit Value: 25 µg/m<sup>3</sup>

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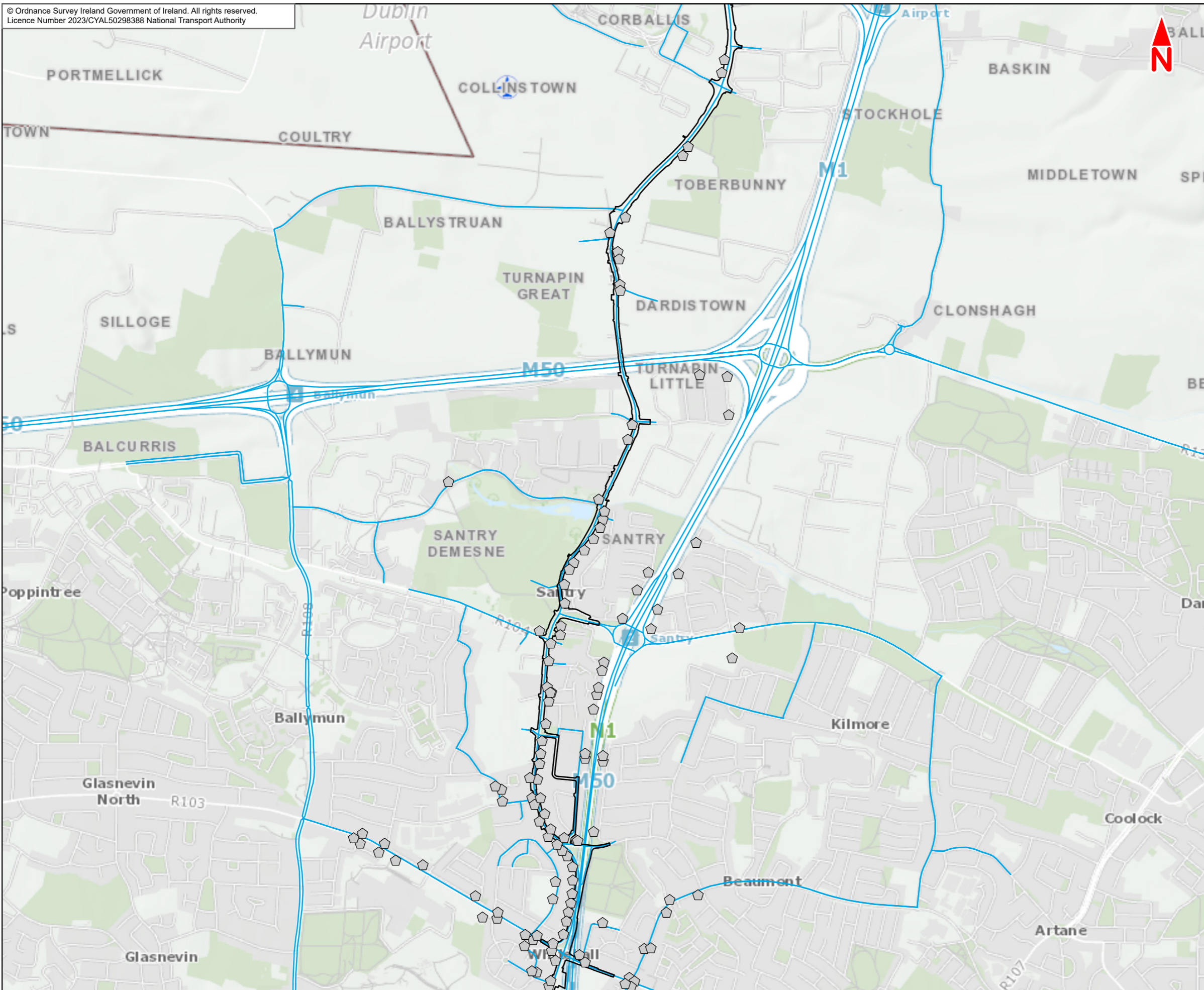
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.5 Modelled Annual Mean PM <sub>2.5</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0501	Sheet Number 1 of 3	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		





**Legend :**

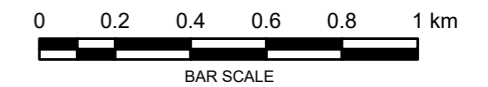
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>2.5</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme (2028)**

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

PM<sub>2.5</sub> Annual Mean Limit Value: 25 µg/m<sup>3</sup>

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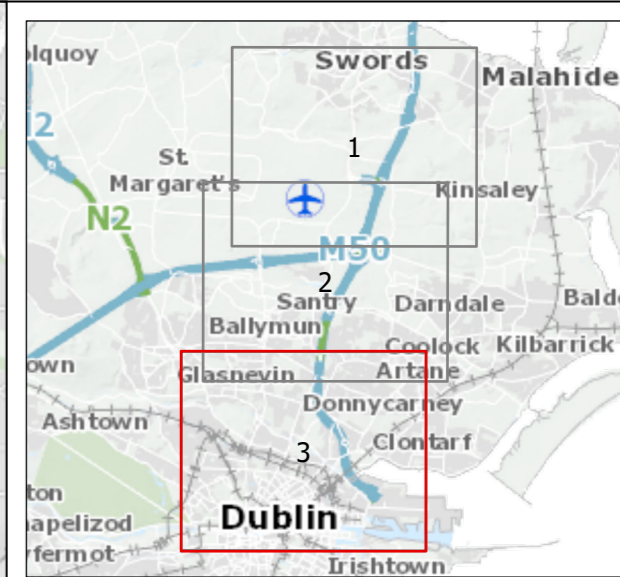
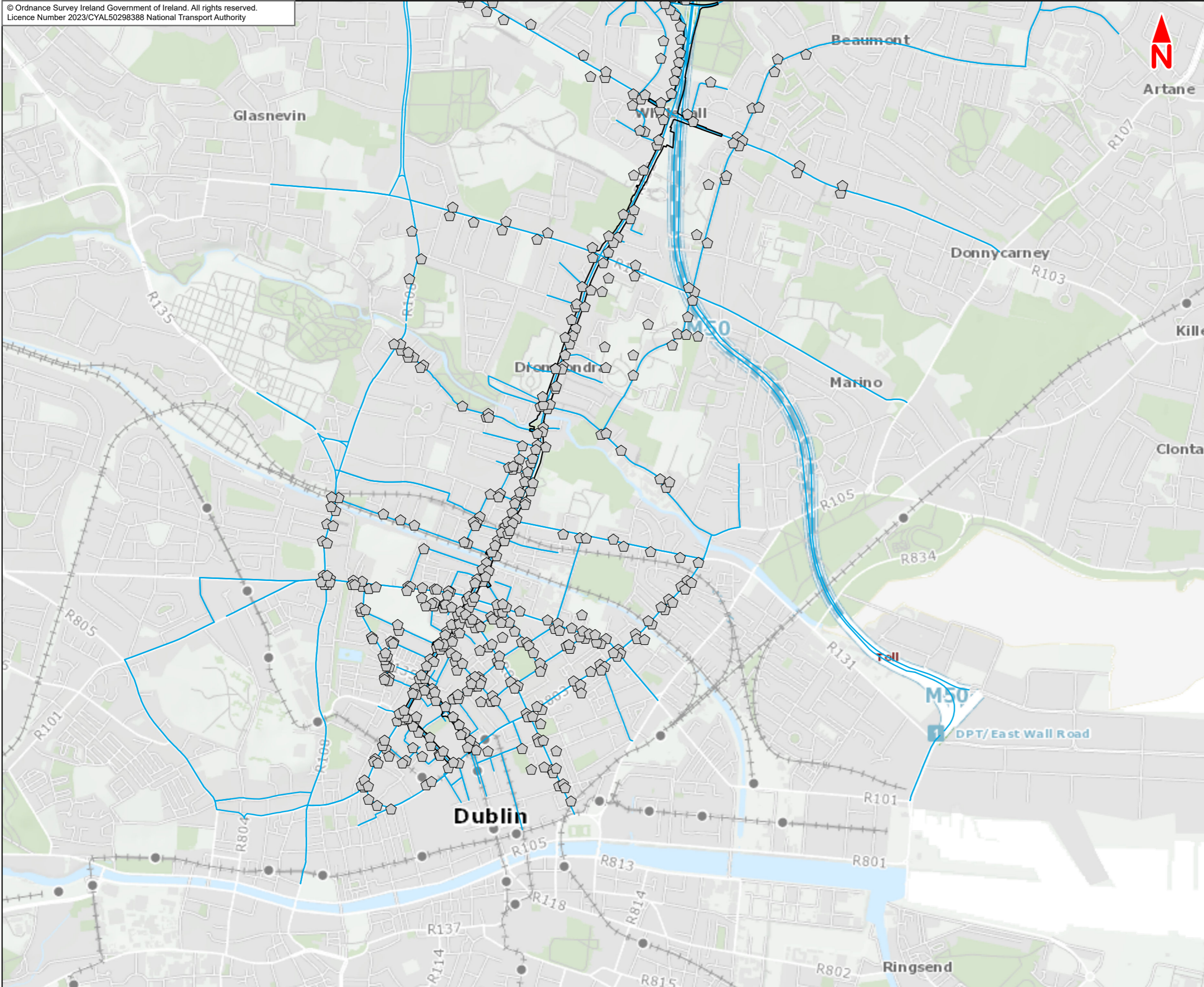
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.5 Modelled Annual Mean PM <sub>2.5</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0502	Sheet Number 2 of 3	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		





**Legend :**

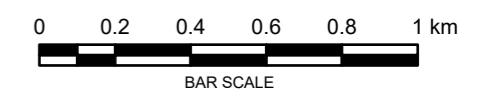
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>2.5</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme (2028)**

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

PM<sub>2.5</sub> Annual Mean Limit Value: 25 µg/m<sup>3</sup>

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

Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.5 Modelled Annual Mean PM <sub>2.5</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme (2028)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0503	Sheet Number 3 of 3	Status A	Rev M01	

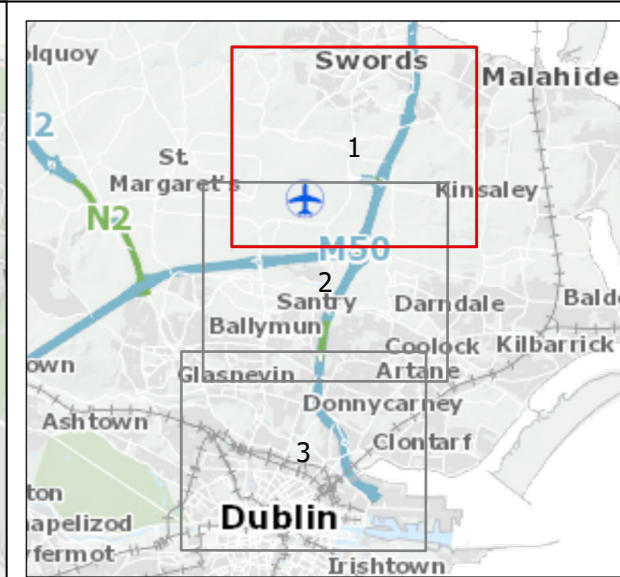
Date 11/04/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



## 7.6

Modelled Annual Mean  
NO<sub>2</sub> Impacts ( $\mu\text{g}/\text{m}^3$ ) due to  
Swords to City Centre Core  
Bus Corridor Scheme -  
Construction Phase (2024)

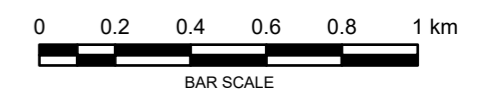




- Legend :**
- Swords to City Centre Core Bus Corridor Scheme
  - Modelled Road Network
- Significance of the modelled change in the annual mean NO<sub>2</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**
- Negligible
  - Slight Adverse
  - Moderate Adverse
  - Substantial Adverse
  - Slight Beneficial
  - Moderate Beneficial
  - Substantial Beneficial

NO<sub>2</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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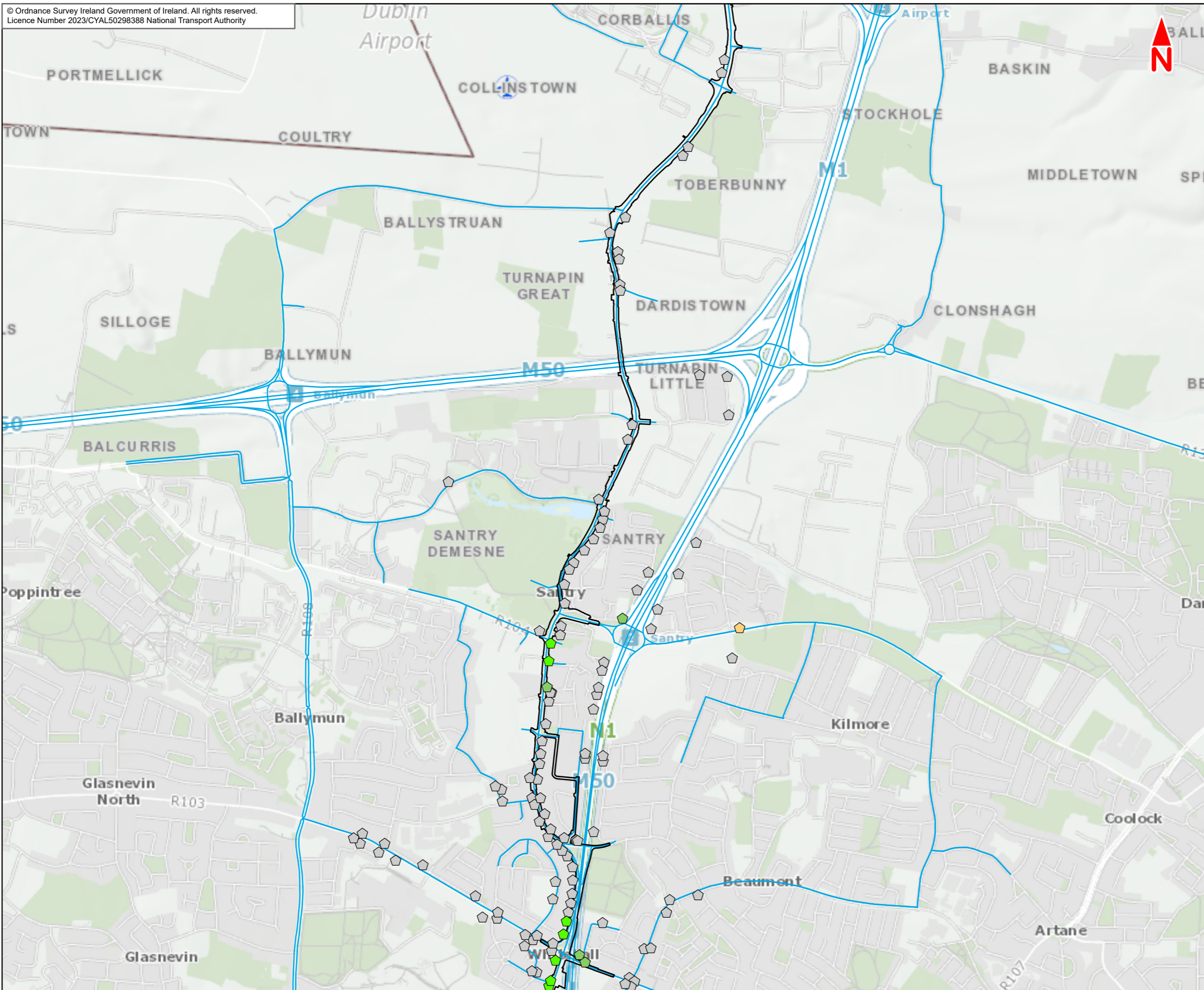
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.6 Modelled Annual Mean NO <sub>2</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-002_XX_00-DR-GG-0601	Sheet Number 1 of 3	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		





**Legend :**

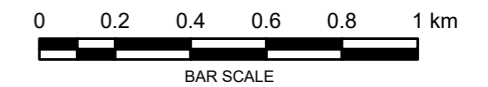
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean NO<sub>2</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**

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

NO<sub>2</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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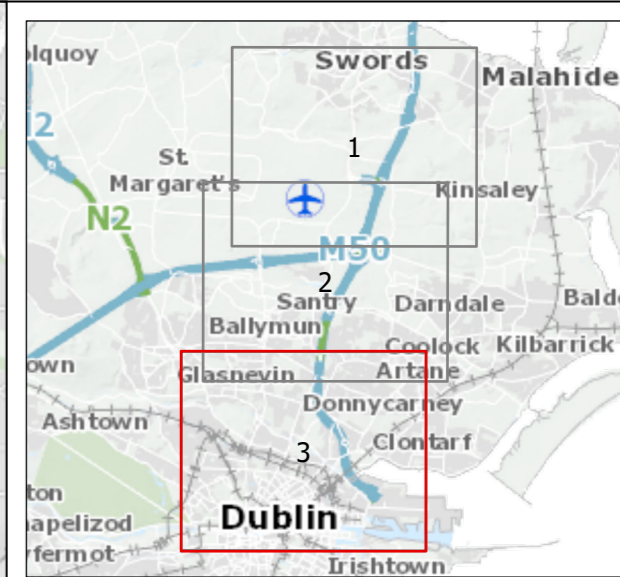
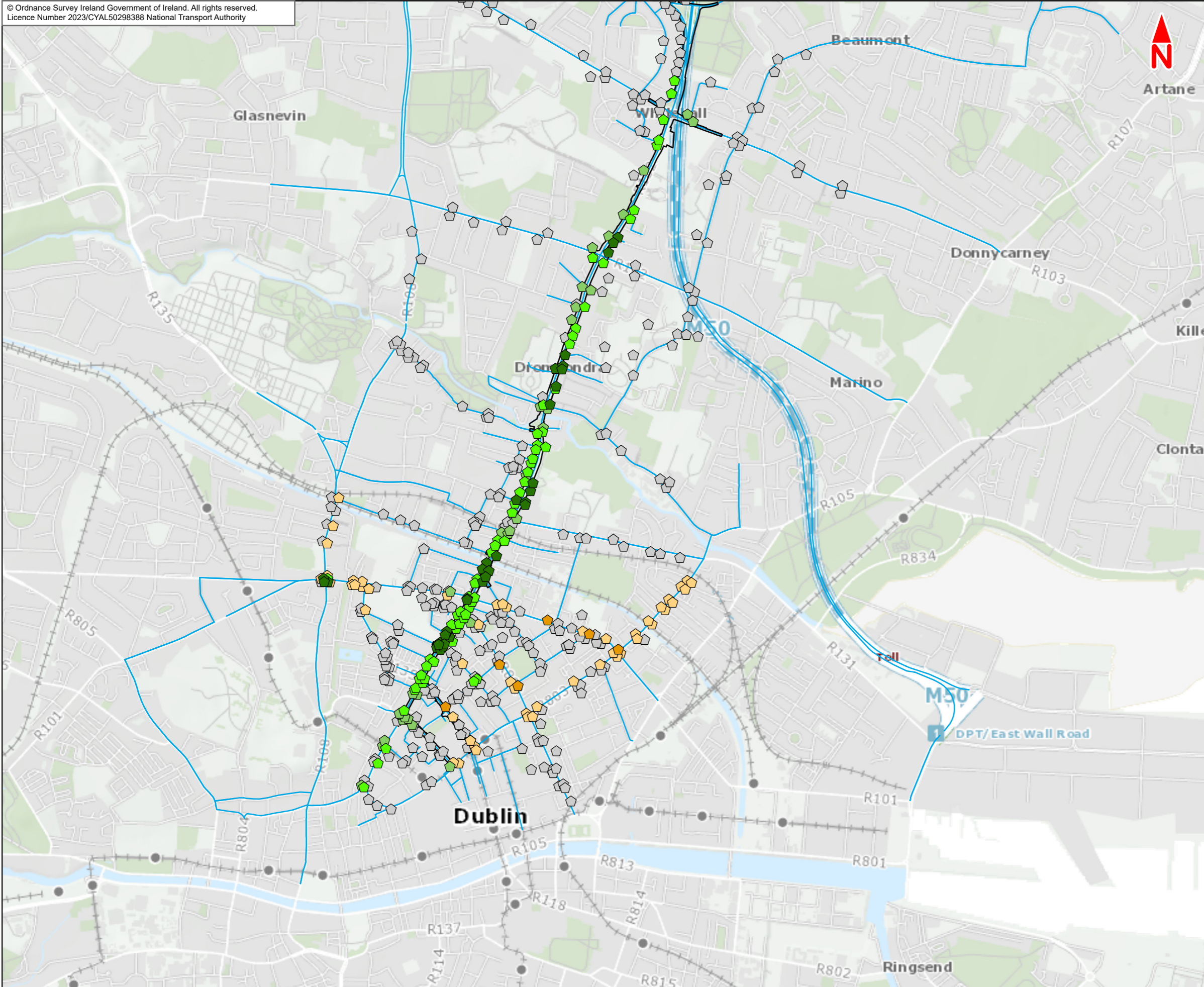


Rev	Date	Drn	Chk'd	App'd	Description
M01	Apr 2023	LF	SW	DK	ISSUE FOR PHASE 4 : PLANNING

Client <b>NTA</b> Udarás Náisiúnta Iompair National Transport Authority		Consultant <b>JACOBS</b> <b>ARUP SYSTRA</b>		
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 <b>BUSCONNECTS DUBLIN</b> <b>CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.6 Modelled Annual Mean NO <sub>2</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0602	Sheet Number 2 of 3	Status A	Rev M01	

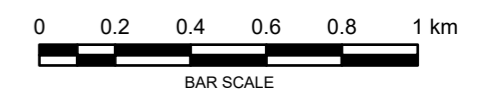




- Legend :**
- Swords to City Centre Core Bus Corridor Scheme
  - Modelled Road Network
- Significance of the modelled change in the annual mean NO<sub>2</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**
- Negligible
  - Slight Adverse
  - Moderate Adverse
  - Substantial Adverse
  - Slight Beneficial
  - Moderate Beneficial
  - Substantial Beneficial

NO<sub>2</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.6 Modelled Annual Mean NO <sub>2</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0603	Sheet Number 3 of 3	Status A	Rev M01	

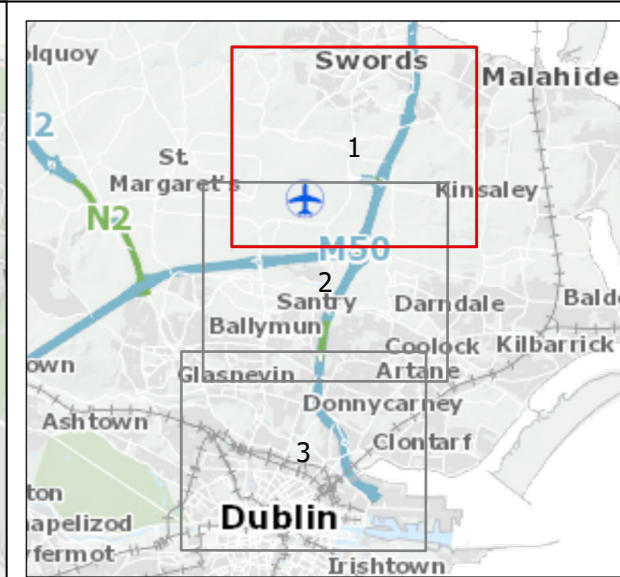
Date 11/04/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



## 7.7

Modelled Annual Mean  
PM<sub>10</sub> Impacts ( $\mu\text{g}/\text{m}^3$ ) due to  
Swords to City Centre Core Bus  
Corridor Scheme -  
Construction Phase (2024)





**Legend :**

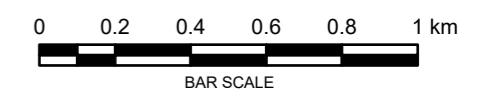
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>10</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**

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

PM<sub>10</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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Client: **NTA**  
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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:

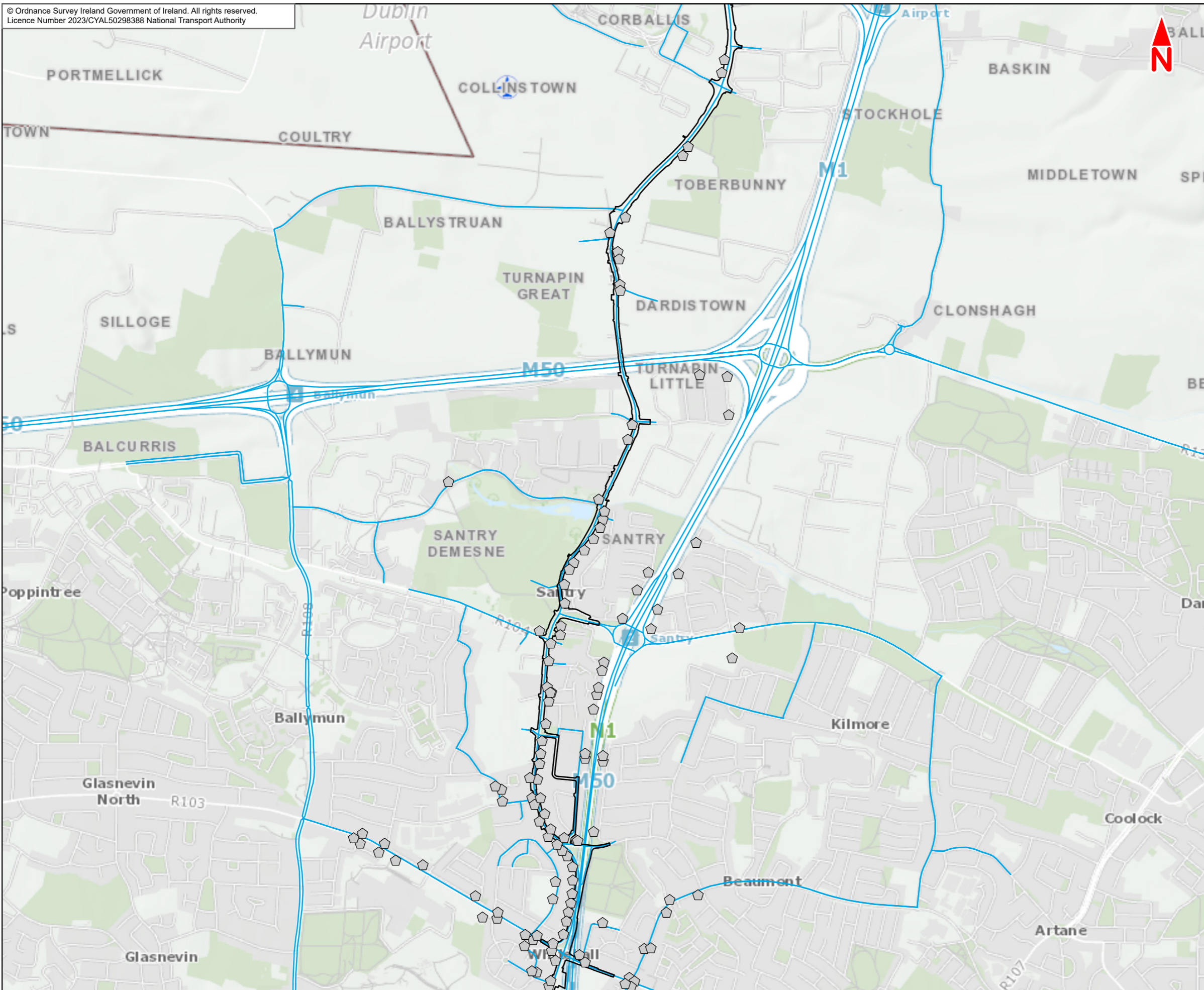
Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: **Swords to City Centre Core Bus Corridor Scheme**  
Figure 7.7  
Modelled Annual Mean PM<sub>10</sub> Impacts (µg/m<sup>3</sup>) due to Swords to City Centre Core Bus Corridor Scheme- Construction Phase (2024)

Drawing File Name: BCIDE-JAC-ENV\_AQ-0002\_XX\_00-DR-GG-0701 | Sheet Number: 1 of 3 | Status: S3 | Rev: M01







**Legend :**

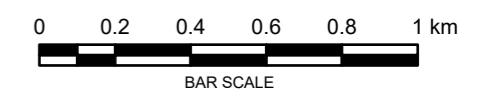
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>10</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**

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

PM<sub>10</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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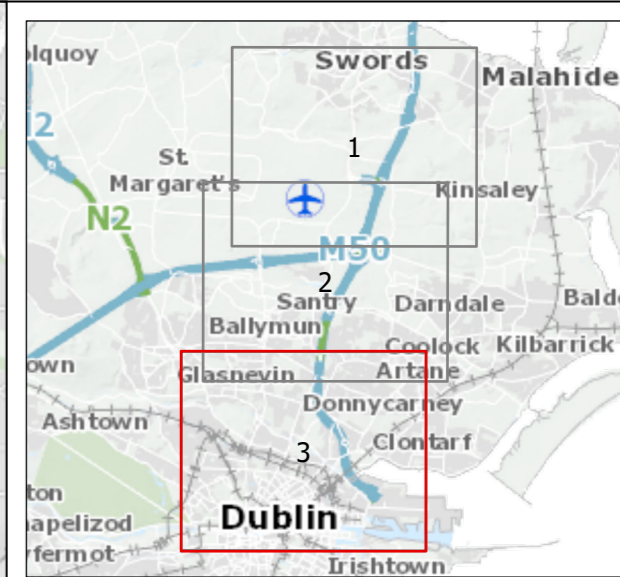
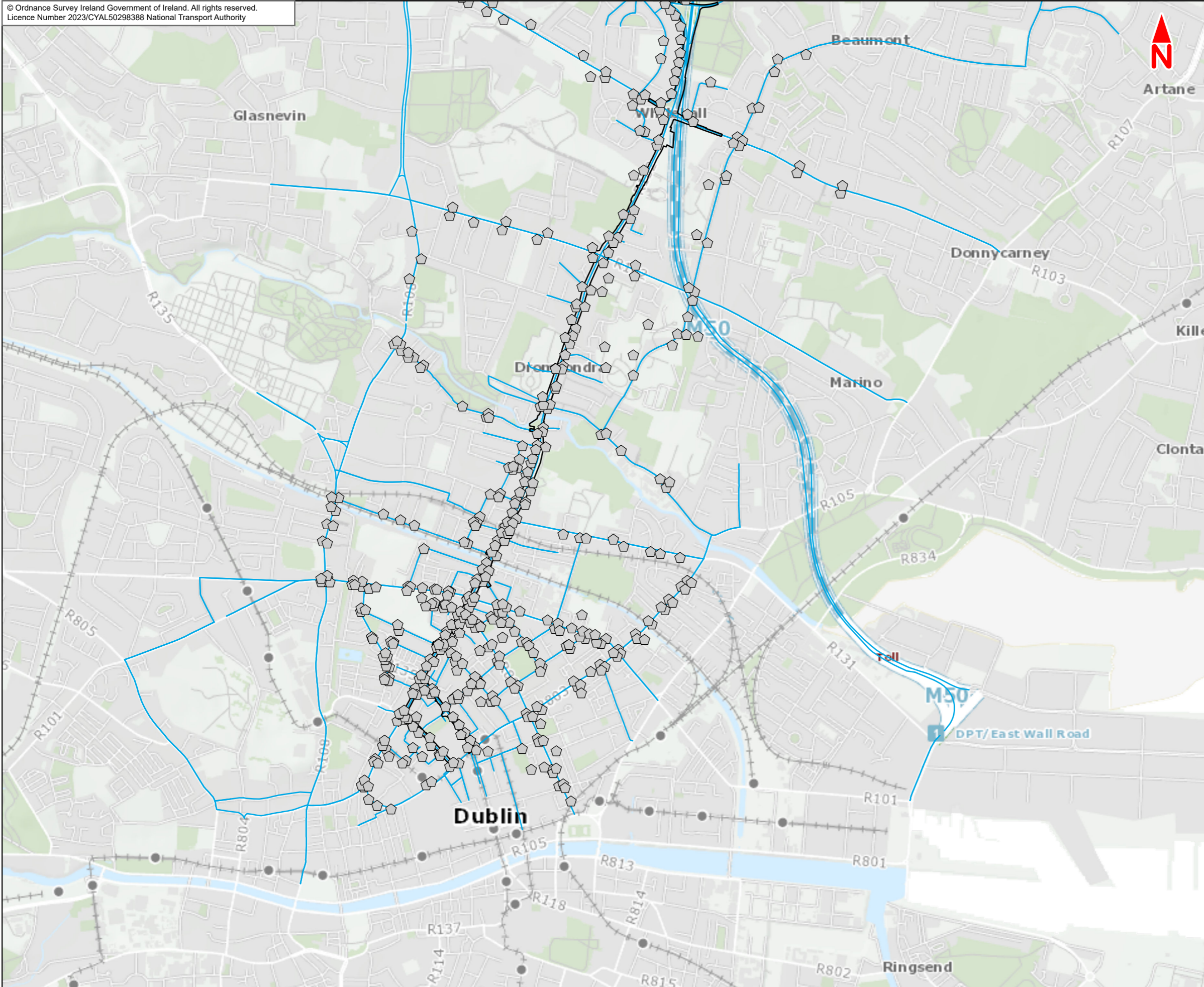
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.7 Modelled Annual Mean PM <sub>10</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme- Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0702	Sheet Number 2 of 3	Status S3	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		





**Legend :**

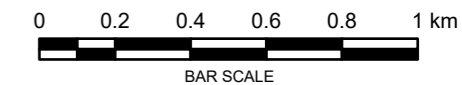
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>10</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**

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

PM<sub>10</sub> Annual Mean Limit Value: 40 µg/m<sup>3</sup>

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Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS**  
**ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.7 Modelled Annual Mean PM <sub>10</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme- Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0703	Sheet Number 3 of 3	Status S3	Rev M01	

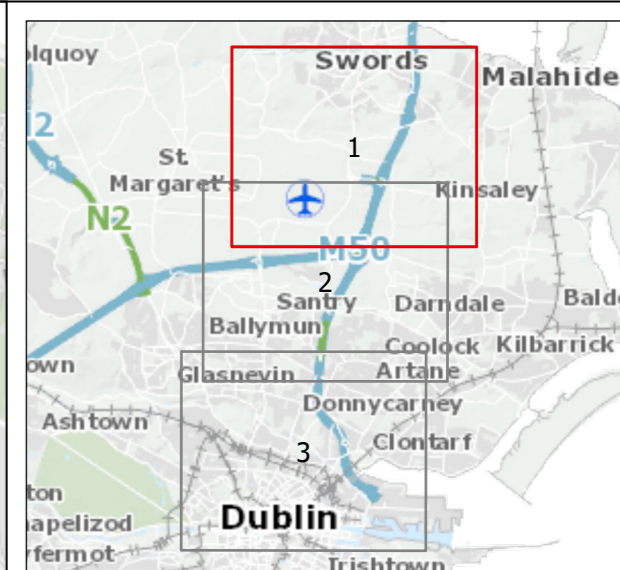
Date 11/04/2023	Scale @ A3 1:20 000	Drawn LF	Checked SW	Approved DK
Project Code BCIDE	Originator Code JAC	QMS Code		



## 7.8

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





**Legend :**

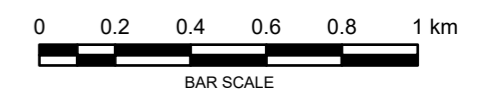
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>2.5</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**

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

PM<sub>2.5</sub> Annual Mean Limit Value: 25 µg/m<sup>3</sup>

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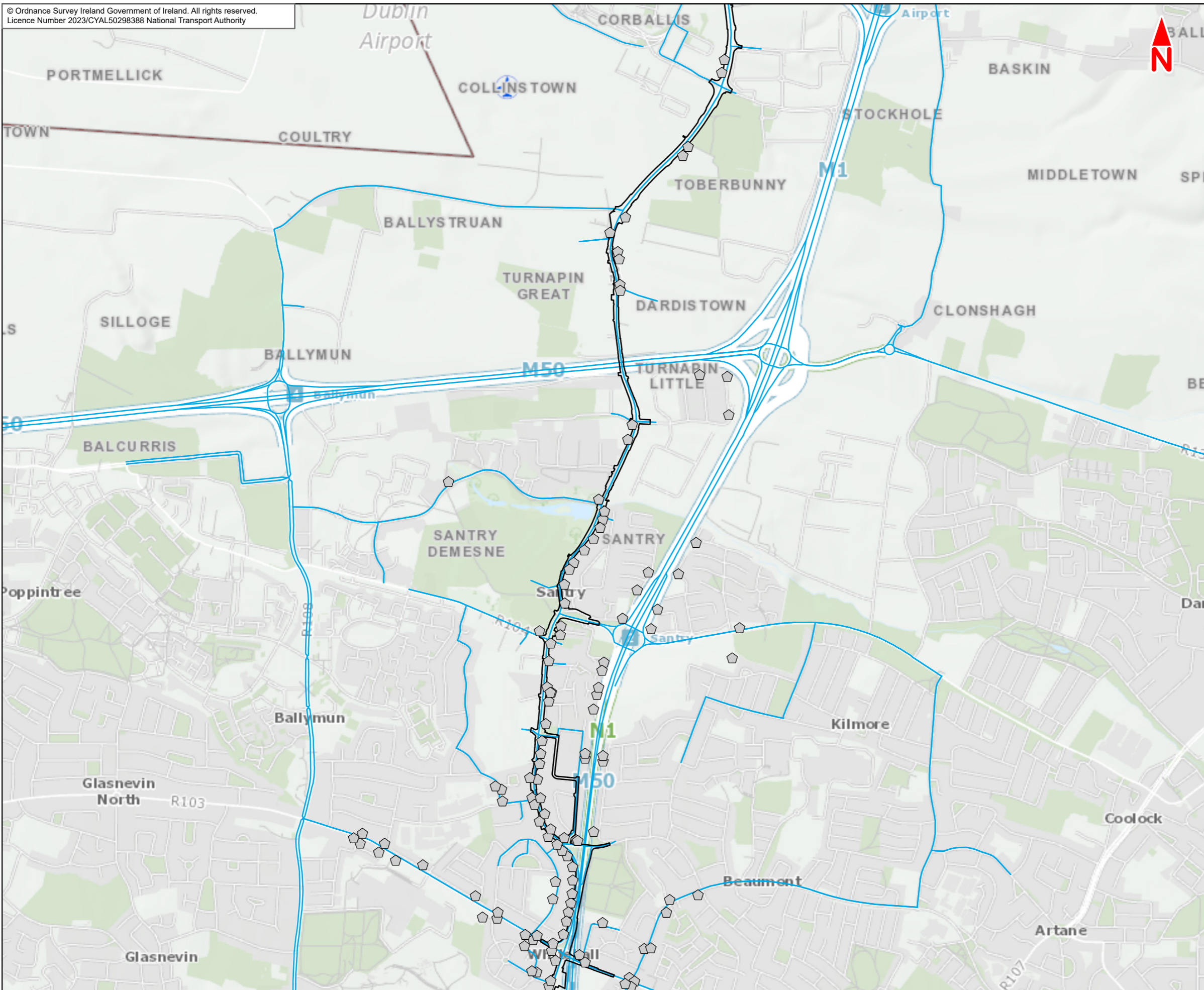
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.8 Modelled Annual Mean PM <sub>2.5</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0801	Sheet Number 1 of 3	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		





**Legend :**

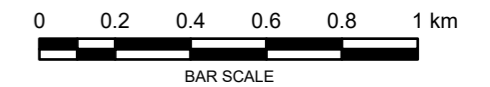
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>2.5</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**

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

PM<sub>2.5</sub> Annual Mean Limit Value: 25 µg/m<sup>3</sup>

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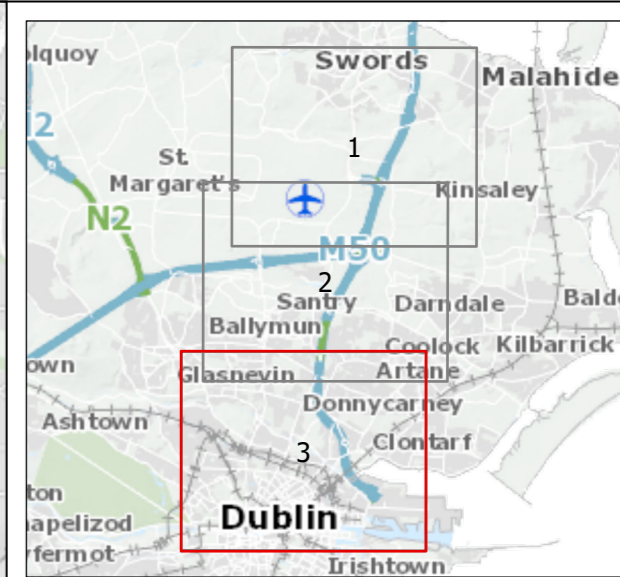
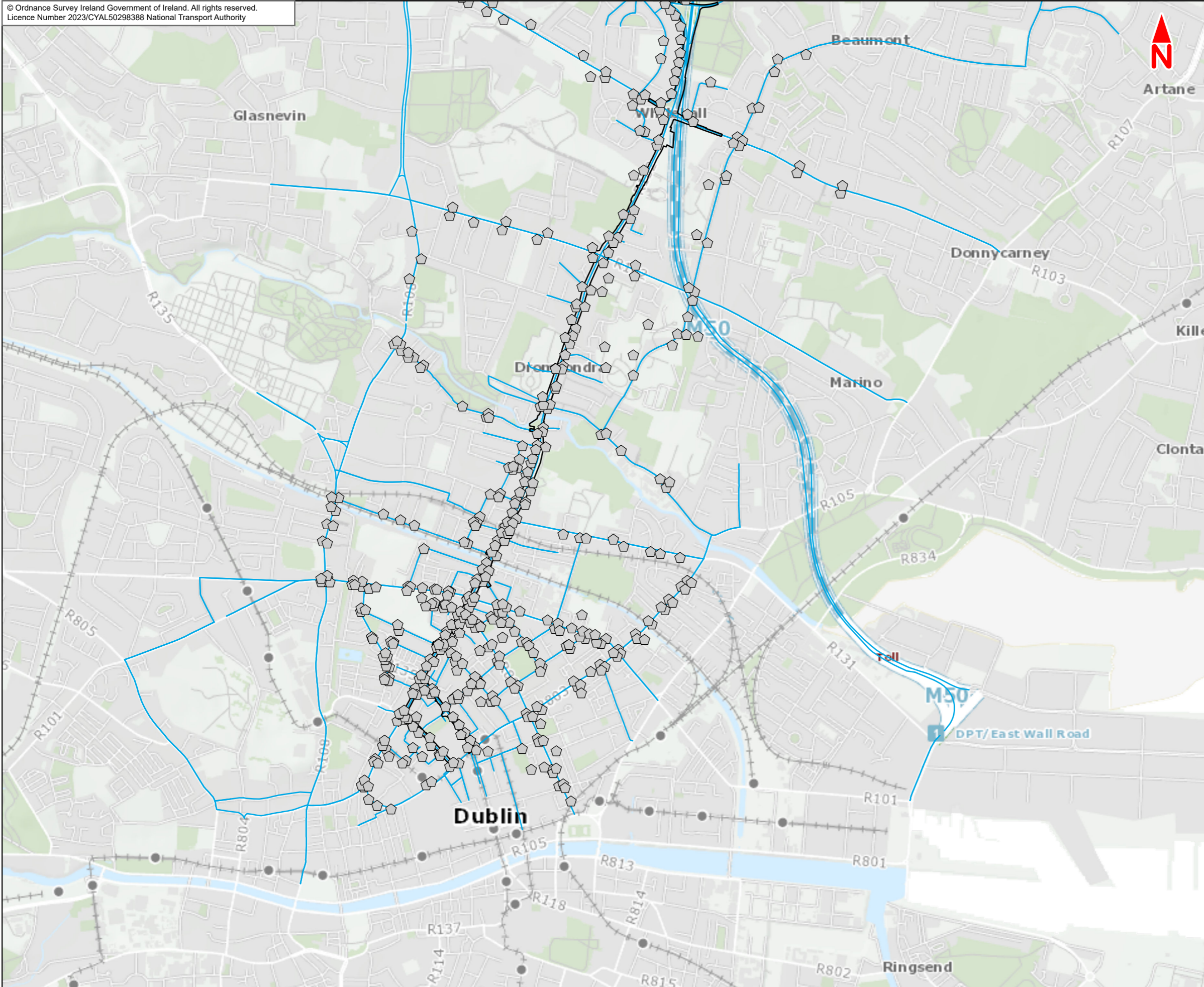
Client  
**NTA**  
Udarás Náisiúnta Iompair  
National Transport Authority

Consultant  
**JACOBS ARUP SYSTRA**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.8 Modelled Annual Mean PM <sub>2.5</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0802	Sheet Number 2 of 3	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		





**Legend :**

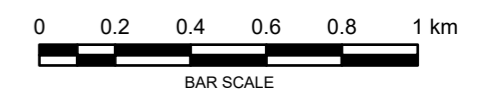
- Swords to City Centre Core Bus Corridor Scheme
- Modelled Road Network

**Significance of the modelled change in the annual mean PM<sub>2.5</sub> concentration due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)**

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

PM<sub>2.5</sub> Annual Mean Limit Value: 25 µg/m<sup>3</sup>

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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**

Programme Title <b>BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS</b>				
Drawing Title Swords to City Centre Core Bus Corridor Scheme Figure 7.8 Modelled Annual Mean PM <sub>2.5</sub> Impacts (µg/m <sup>3</sup> ) due to Swords to City Centre Core Bus Corridor Scheme - Construction Phase (2024)				
Drawing File Name BCIDE-JAC-ENV_AQ-0002_XX_00-DR-GG-0803	Sheet Number 3 of 3	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		