7.1
Monitoring Locations

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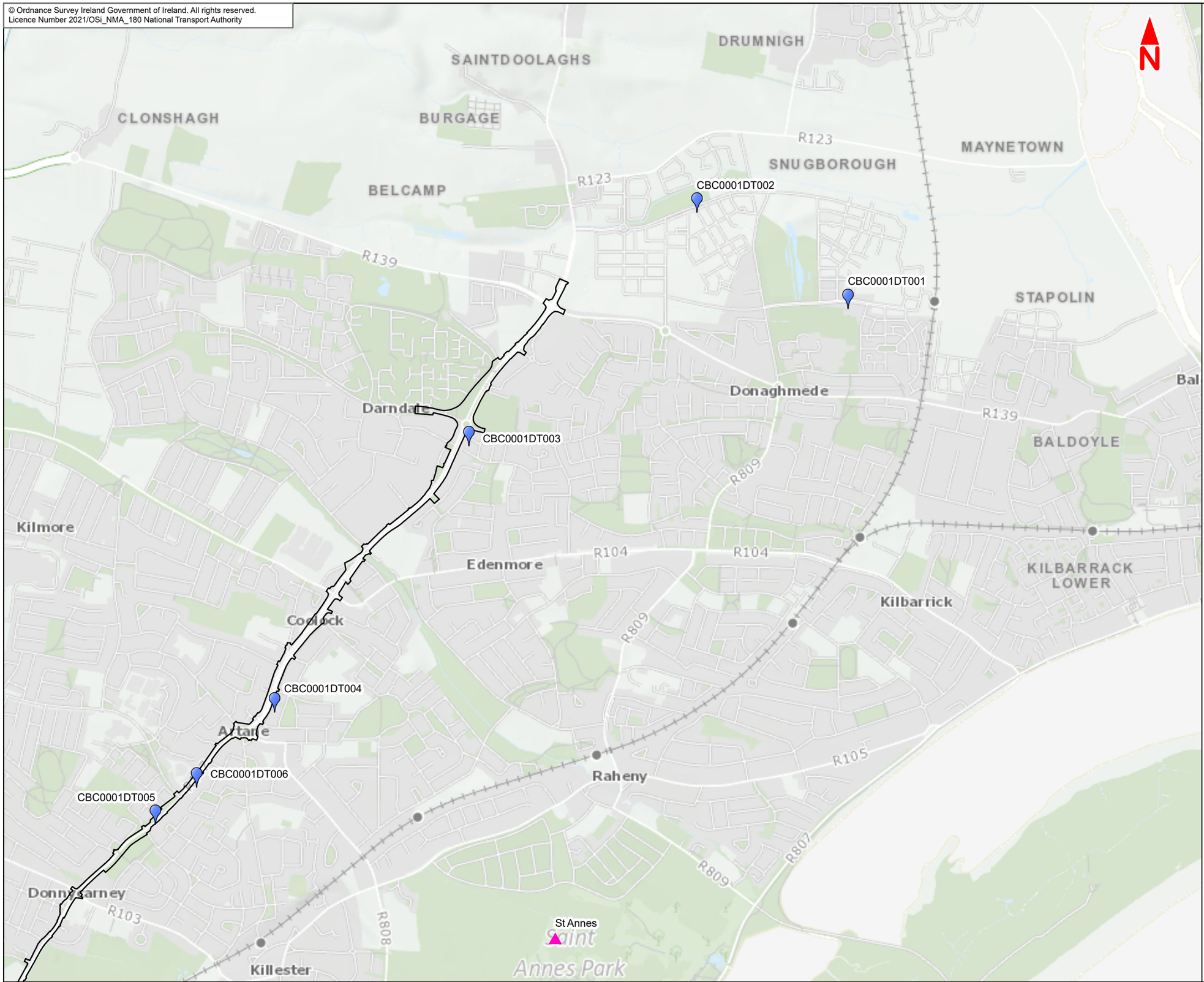

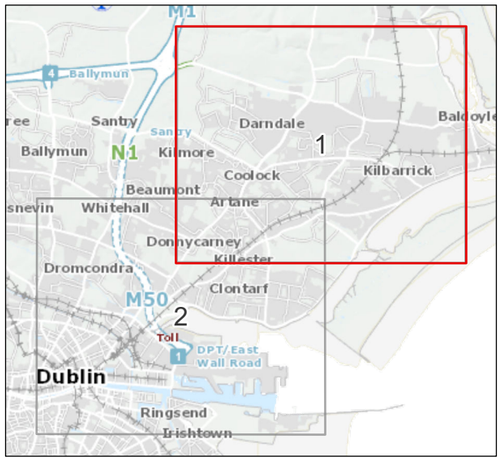

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- Diffusion Tube
- EPA Current Monitoring Site

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0 0.2 0.4 0.6 0.8 1 km

BAR SCALE

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Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	Dec 2021	LF	SW	DK	ISSUE FOR PHASE 4 : PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Consultant: Jacobs ARUP SYSTRA

Date	Scale @ A3	Drawn	Checked	Approved
09/12/2021	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: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.1
Monitoring Locations

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0101	1 of 2	A	M01

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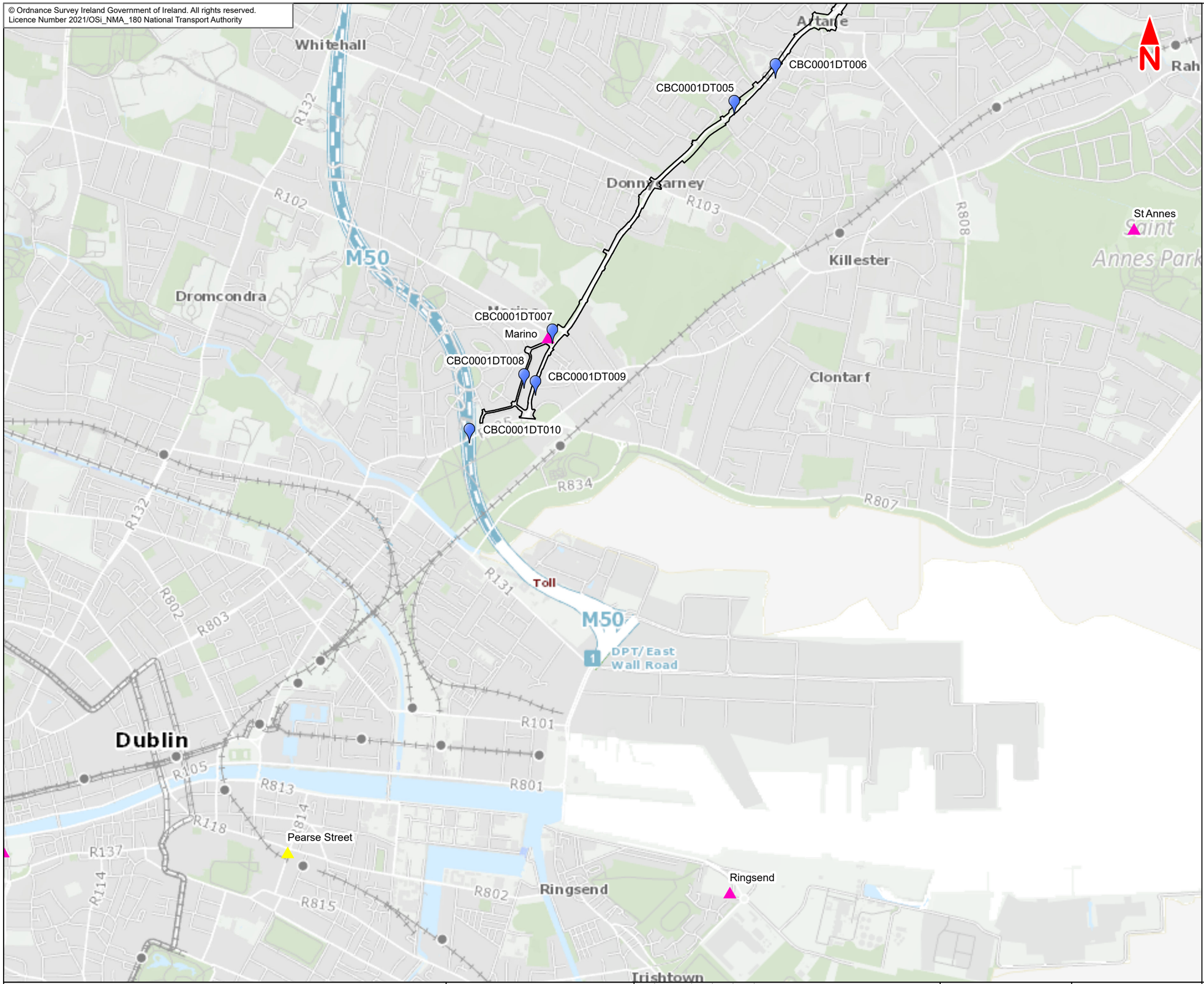

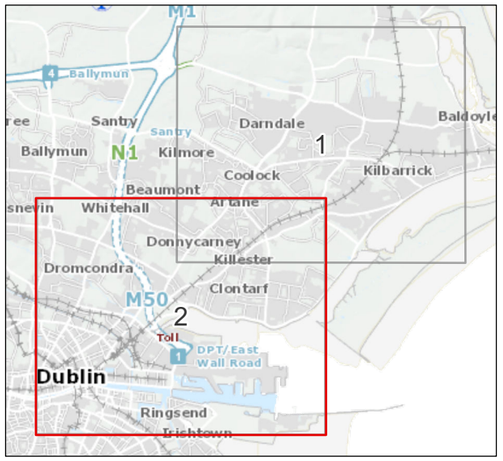

Legend :

- Clongriffin to City Centre Core Bus Corridor Scheme
- Diffusion Tube
- EPA Current Monitoring Site
- EPA Past Monitoring Site

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0 0.2 0.4 0.6 0.8 1 km

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.1
Monitoring Locations

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0102	2 of 2	A	M01

7.2
Air Quality Zones

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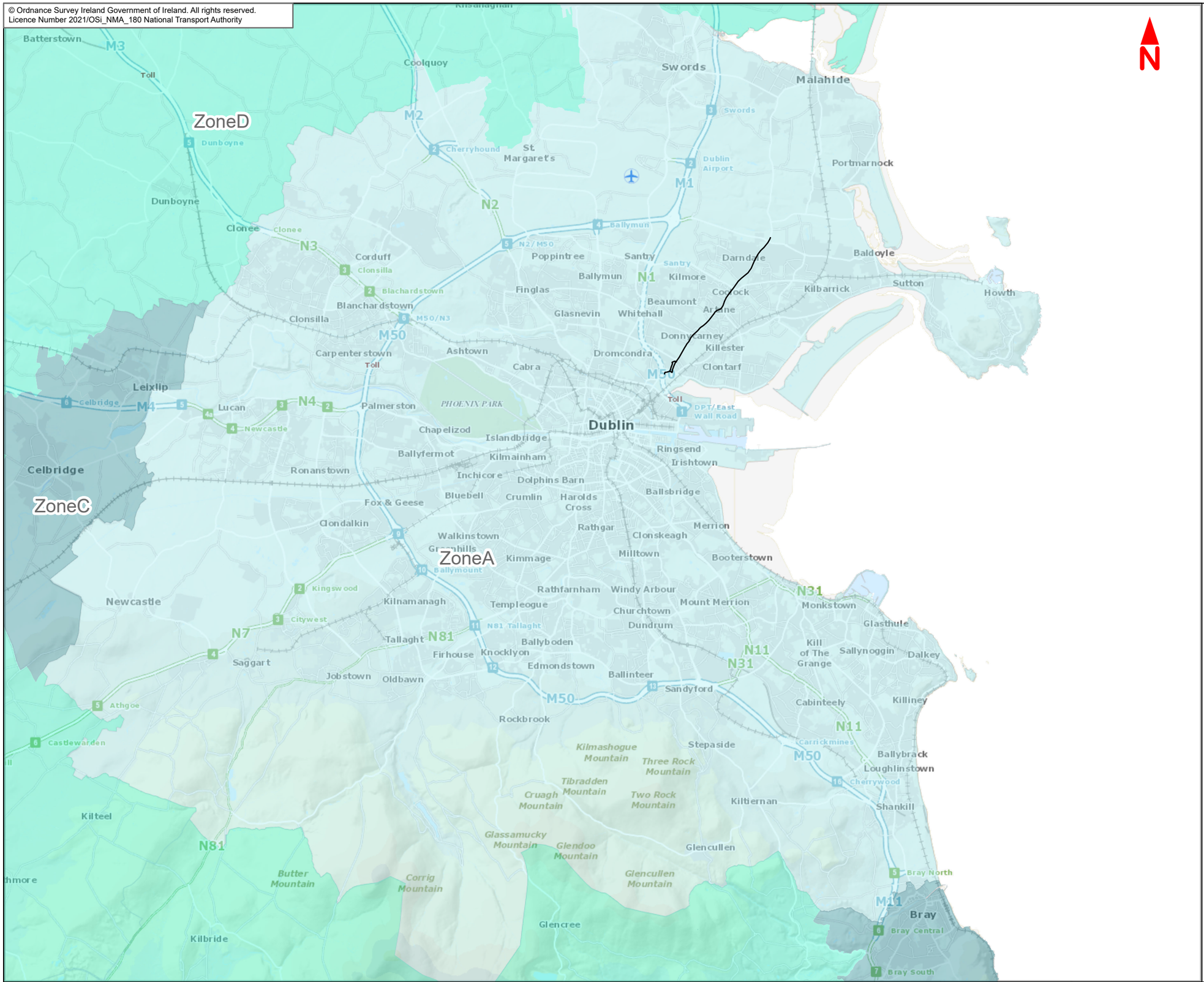

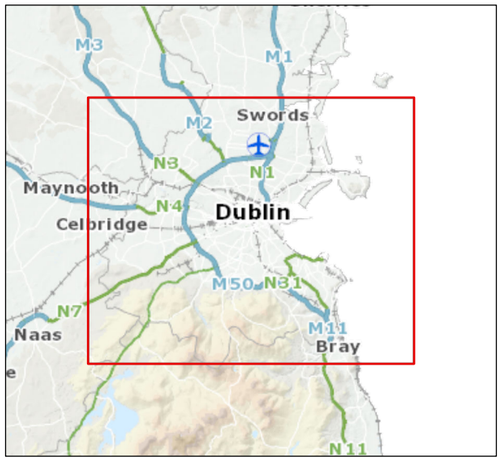

Legend :

- Clongriffin 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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0 1 2 3 4 5 km

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.2
Air Quality Zones

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0200	1 of 1	A	M01

7.3
Modelled Annual Mean NO_2 Impacts ($\mu g/m^3$) due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

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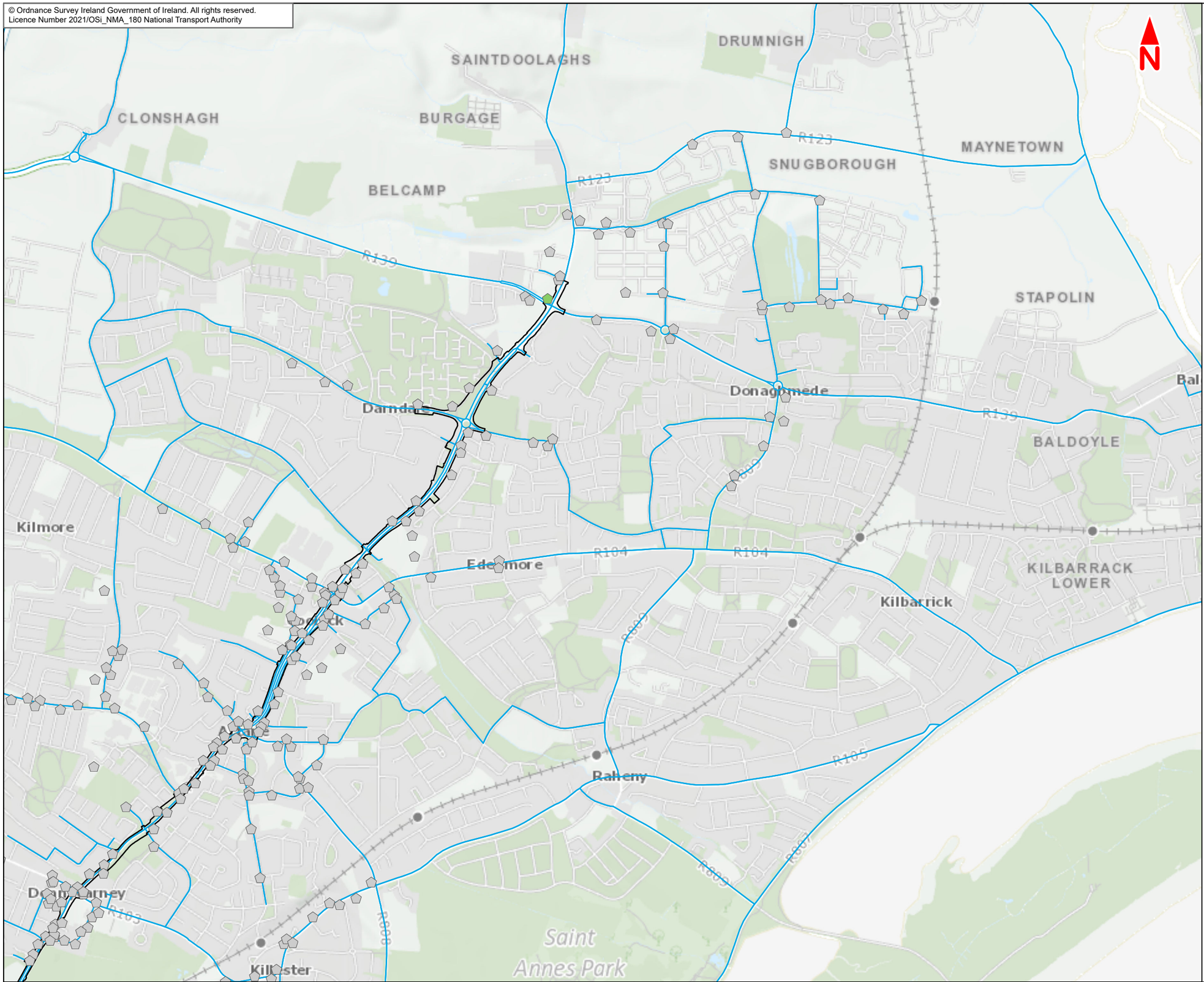

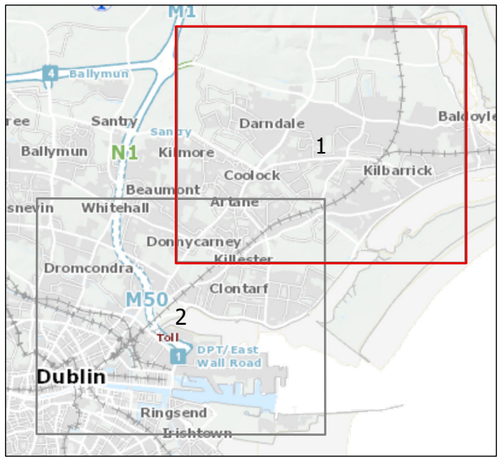

Legend :

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

Significance of the modelled change in the annual mean NO_2 concentration due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

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

NO_2 Annual Mean Limit Value: 40 µg/m³

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0 0.2 0.4 0.6 0.8 1 km

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.3
Modelled Annual Mean NO_2 Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0301	1 of 2	A	M01

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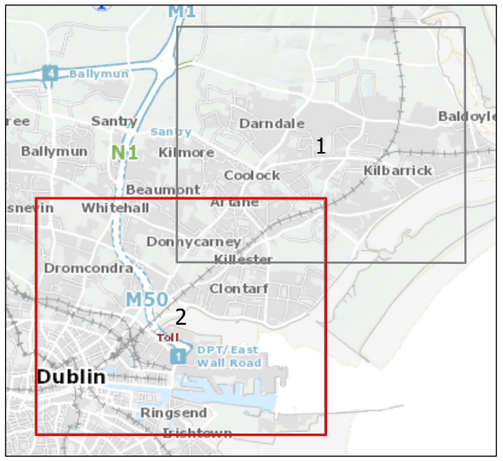

Legend :

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

Significance of the modelled change in the annual mean NO_2 concentration due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

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

NO_2 Annual Mean Limit Value: 40 µg/m³

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0 0.2 0.4 0.6 0.8 1 km

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BCIDE	JAC	

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.3
Modelled Annual Mean NO_2 Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0302	2 of 2	A	M01

7.4
Modelled Annual Mean PM_{10} Impacts ($\mu g/m^3$) due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

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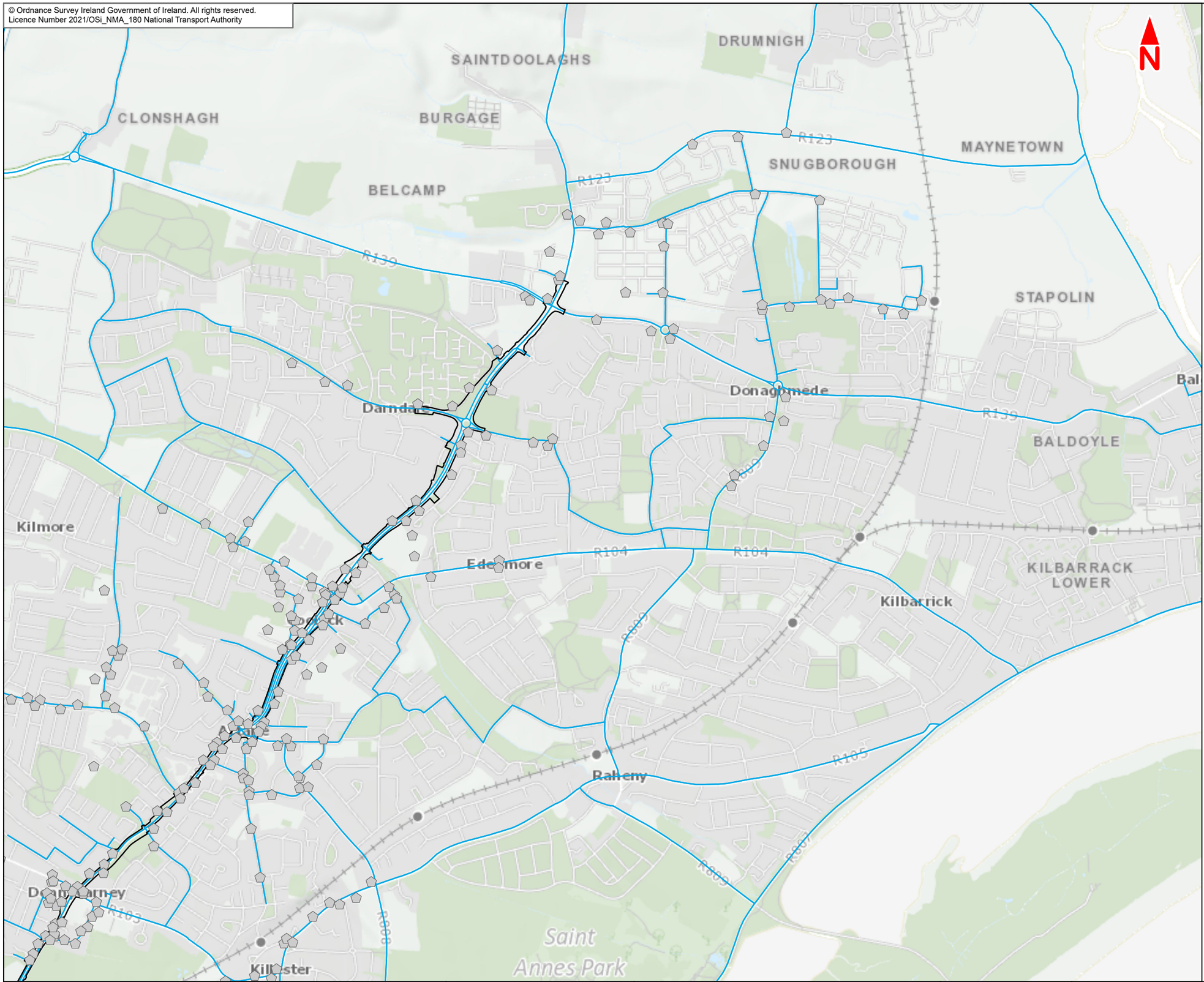

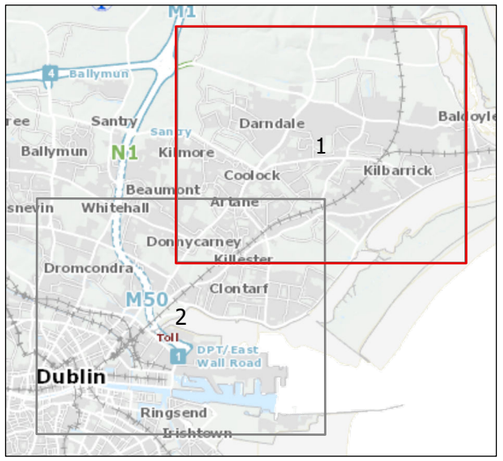

Legend :

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

Significance of the modelled change in the annual mean $PM1_{10}$ concentration due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

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

PM_{10} Annual Mean Limit Value: 40 µg/m³

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0 0.2 0.4 0.6 0.8 1 km

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.4
Modelled Annual Mean PM_{10} Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0401	1 of 2	A	M01

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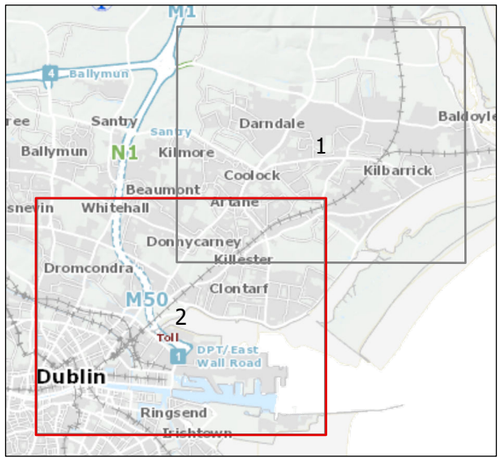

Legend :

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

Significance of the modelled change in the annual mean $PM1_{10}$ concentration due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

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

PM_{10} Annual Mean Limit Value: 40 µg/m³

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0 0.2 0.4 0.6 0.8 1 km

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Project Code	Originator Code	QMS Code
BCIDE	JAC	

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.4
Modelled Annual Mean PM_{10} Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0402	2 of 2	A	M01

7.5
Modelled Annual Mean PM2.5 Impacts (µg/m^3) due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

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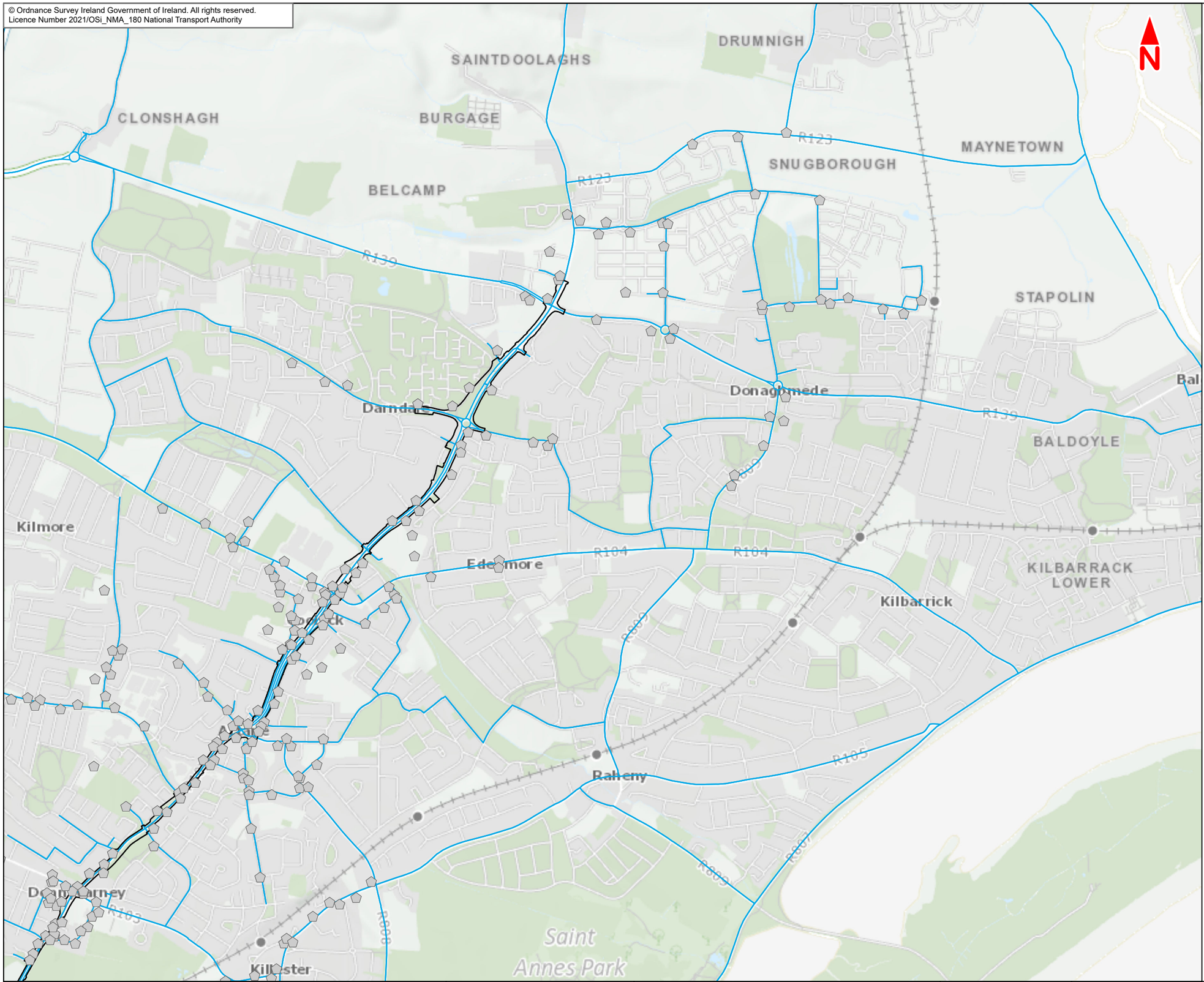

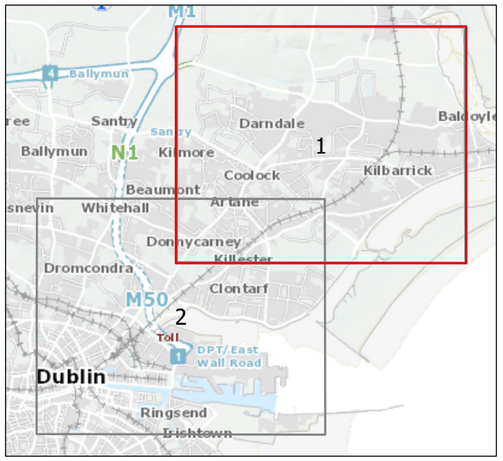

Legend :

- Clongriffin 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 Clongriffin 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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0 0.2 0.4 0.6 0.8 1 km

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Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Consultant: Jacobs ARUP SYSTRA

Date	Scale @ A3	Drawn	Checked	Approved
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Project Code	Originator Code	QMS Code
BCIDE	JAC	

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.5
Modelled Annual Mean PM2.5 Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0501	1 of 2	A	M01

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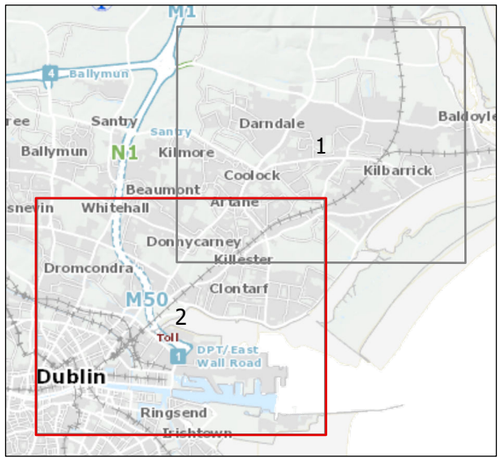

Legend :

- Clongriffin 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 Clongriffin 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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0 0.2 0.4 0.6 0.8 1 km

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Project Code	Originator Code	QMS Code
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Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.5
Modelled Annual Mean PM2.5 Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme (2028)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0502	2 of 2	A	M01

7.6
Modelled Annual Mean NO_2 Impacts ($\mu g/m^3$) due to Clongriffin to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

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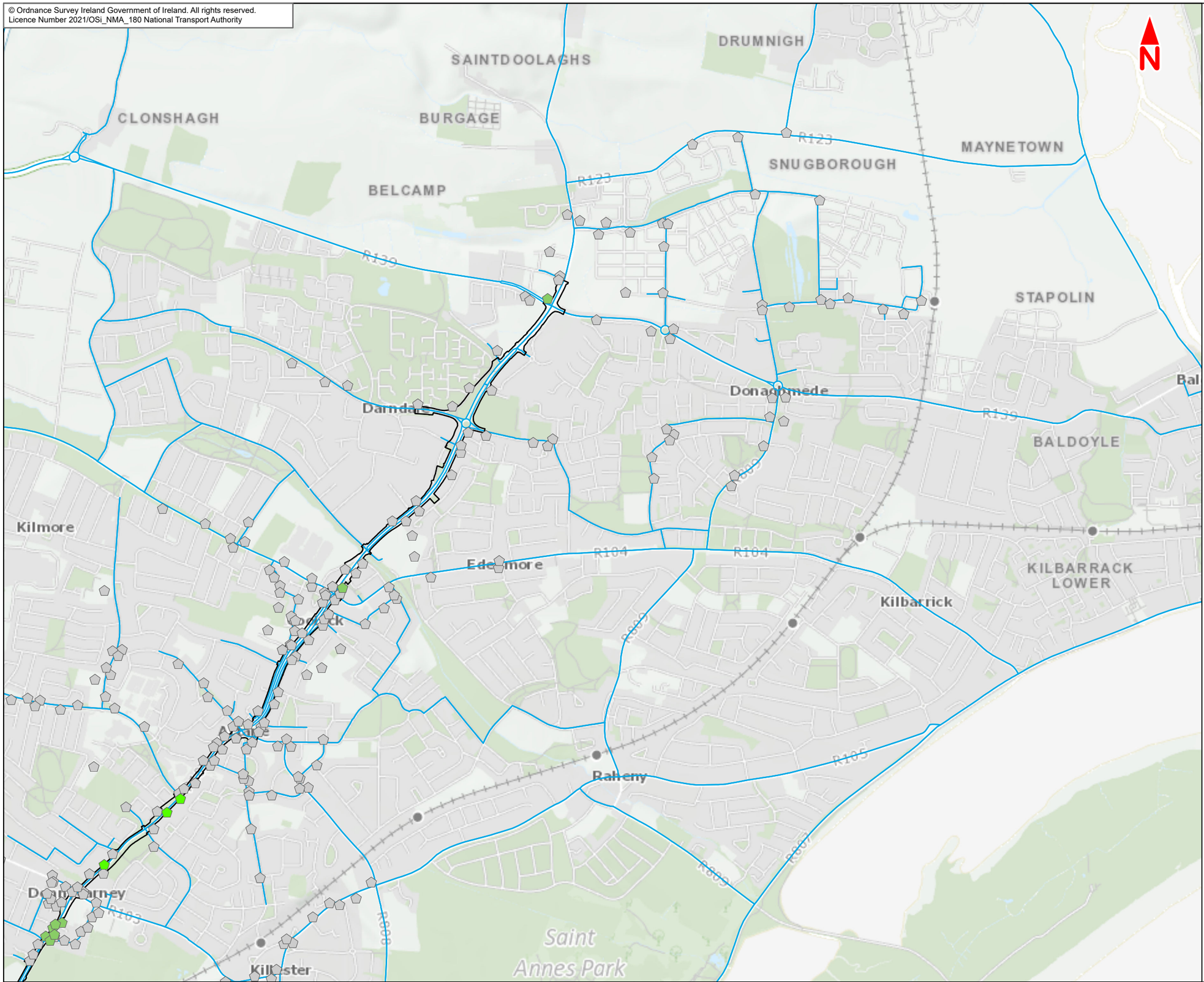

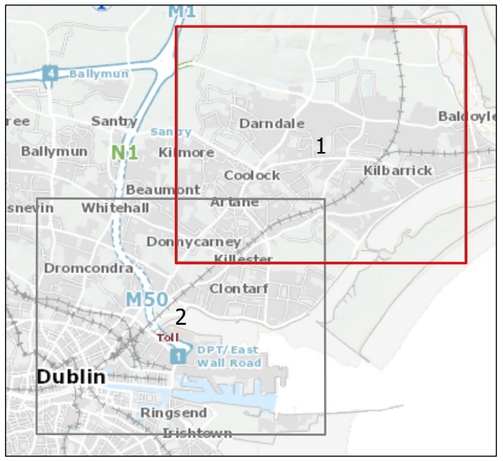

Legend :

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

Significance of the modelled change in the annual mean NO_2 concentration due to Clongriffin to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

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

NO_2 Annual Mean Limit Value: 40 µg/m³

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0 0.2 0.4 0.6 0.8 1 km

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Consultant: Jacobs ARUP SYSTRA

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Project Code	Originator Code	QMS Code
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Programme Title: **BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS**

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.6
Modelled Annual Mean NO_2 Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0601	1 of 2	A	M01

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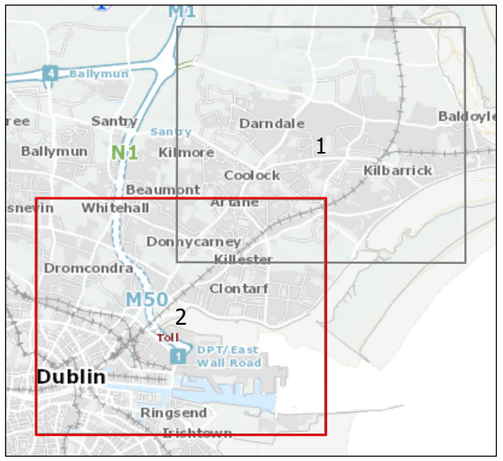

Legend :

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

Significance of the modelled change in the annual mean NO_2 concentration due to Clongriffin to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

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

NO_2 Annual Mean Limit Value: 40 µg/m³

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0 0.2 0.4 0.6 0.8 1 km

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.6
Modelled Annual Mean NO_2 Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0602	2 of 2	A	M01

7.7
Modelled Annual Mean PM_{10} Impacts ($\mu g/m^3$) due to Clongriffin to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

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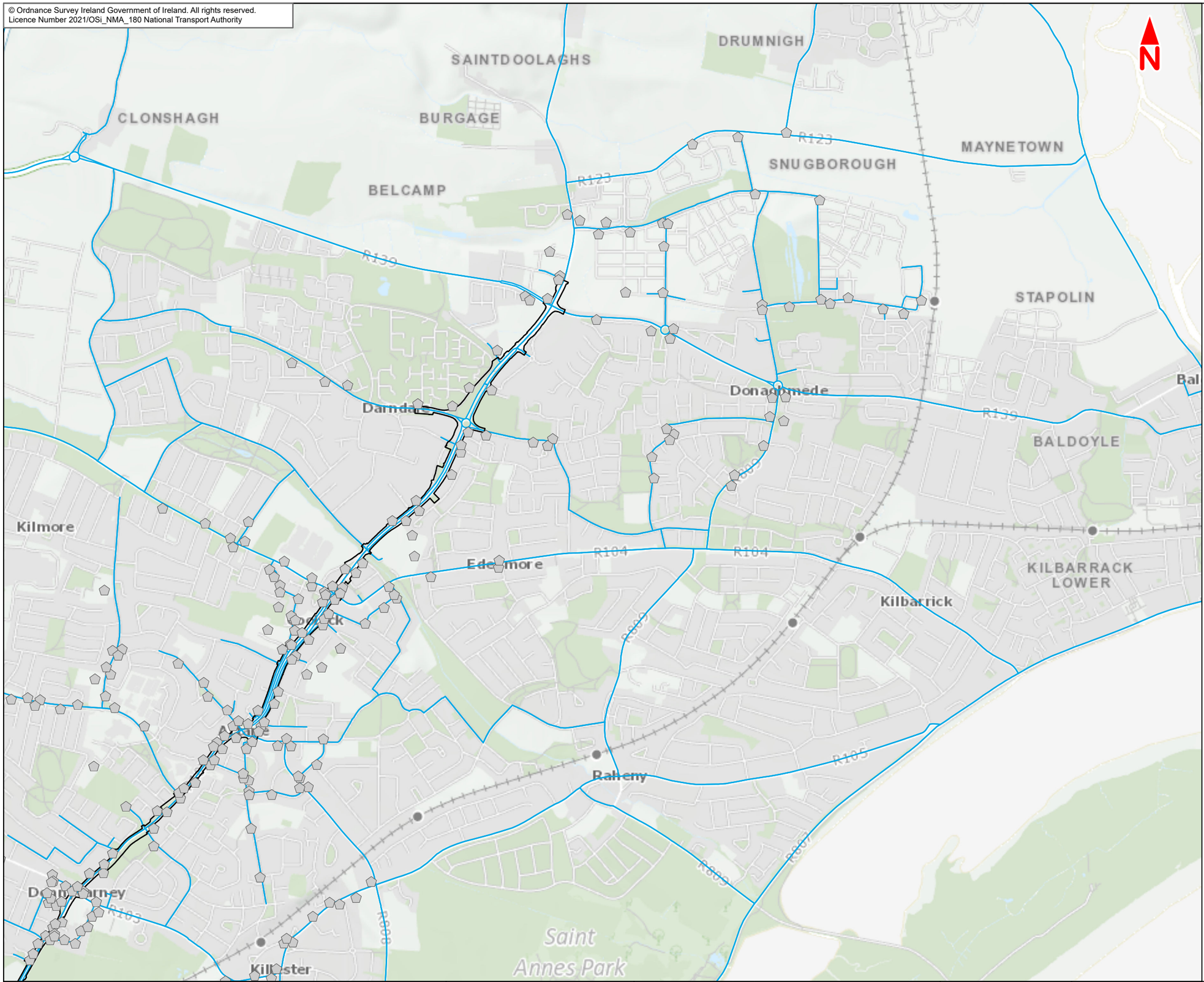

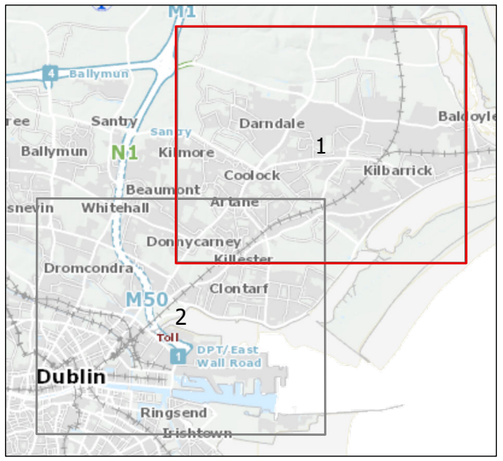

Legend :

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

Significance of the modelled change in the annual mean PM_{10} concentration due to Clongriffin to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

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

PM_{10} Annual Mean Limit Value: 40 µg/m³

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0 0.2 0.4 0.6 0.8 1 km

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Consultant: Jacobs ARUP SYSTRA

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Project Code	Originator Code	QMS Code
BCIDE	JAC	

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.7
Modelled Annual Mean PM_{10} Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme- Construction Phase (2024)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0701	1 of 2	A	M01

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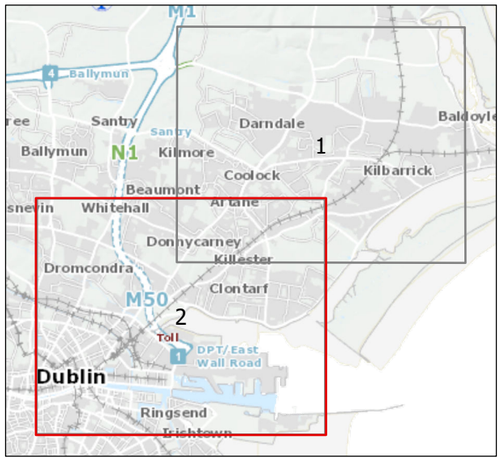

Legend :

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

Significance of the modelled change in the annual mean PM_{10} concentration due to Clongriffin to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

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

PM_{10} Annual Mean Limit Value: 40 µg/m³

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0 0.2 0.4 0.6 0.8 1 km

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Project Code	Originator Code	QMS Code
BCIDE	JAC	

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

Drawing Title: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.7
Modelled Annual Mean PM_{10} Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme- Construction Phase (2024)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0702	2 of 2	A	M01

7.8
Modelled Annual Mean PM2.5 Impacts (µg/m^3) due to Clongriffin to City Centre Core Bus Corridor Scheme – Construction Phase (2024)

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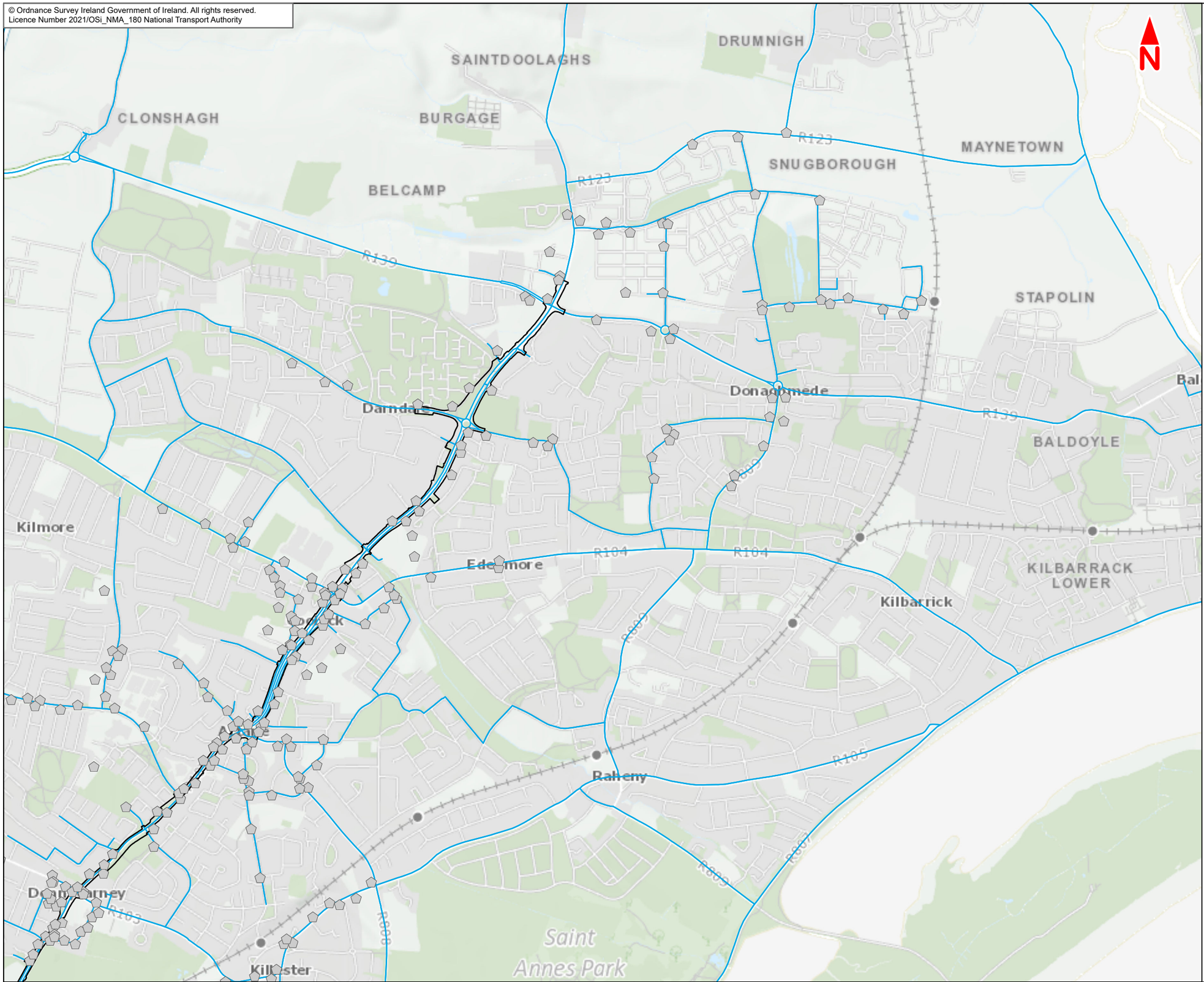

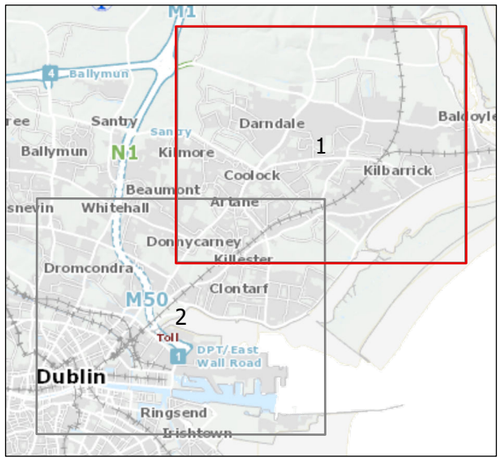

Legend :

- Clongriffin 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 Clongriffin to City Centre Core Bus Corridor Scheme (2024)

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

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

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0 0.2 0.4 0.6 0.8 1 km

BAR SCALE

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Project Ireland 2040
Building Ireland's Future

Rev	Date	Drn	Chk'd	App'd	Description
M01	Dec 2021	LF	SW	DK	ISSUE FOR PHASE 4 : PLANNING

Client: NTA Údarás Náisiúnta Iompair National Transport Authority

Consultant: Jacobs ARUP SYSTRA

Date	Scale @ A3	Drawn	Checked	Approved
20/01/2022	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: Clongriffin to City Centre Core Bus Corridor Scheme
Figure 7.8
Modelled Annual Mean PM2.5 Impacts (µg/m³) due to Clongriffin to City Centre Core Bus Corridor Scheme - Construction Phase (2024)

Drawing File Name	Sheet Number	Status	Rev
BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0801	1 of 2	A	M01

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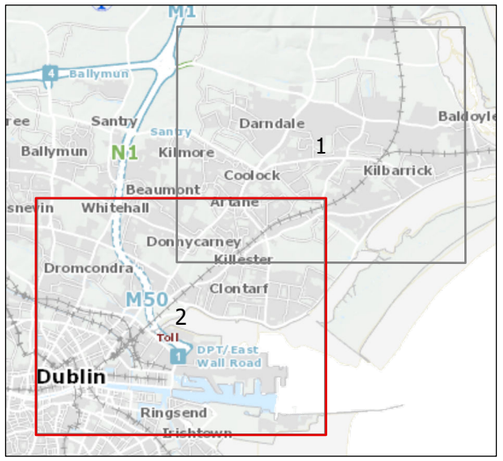

Legend :

- Clongriffin 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 Clongriffin to City Centre Core Bus Corridor Scheme (2024)

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

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

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0 0.2 0.4 0.6 0.8 1 km

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BCIDE-JAC-ENV_AQ-0001_XX_00-DR-GG-0802	2 of 2	A	M01