# **Chapter 06** Traffic & Transport





### **6.1** Proposed Scheme Extents







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13/13	Ballymount to Crumlin
165	Section 3
126	Crumlin to Grand Canal
R824	Section 4
M	Grand Canal to Christchurch
	Section 5
	Woodford Walk / New Nangor Road Junction to
580	Long Mile Road / Naas Road / New Nagor Road Junction
130	Section 6
	Long Mile Road / Naas Road / New Nangor Road Junction to Drimnagh
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Approved DK	Proposed Scheme Extents
	Drawing File Name Sheet Number Status Rev BCIDE-JAC-ENV TT-0809 XX 00-DR-GG-0003 1 of 1 A M01

# **6.2a** Corridor Sections









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	N7 Walkinstown
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Approved DK	Tallaght to City Centre
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_TT-0809_XX_00-DR-GG-0102         2 of 2         A         M01

# **6.2b** Corridor Sections







Cr	Do
	M50 Bluebell Crumlin
J	Fox & Geese
	I (Red ow Walkinstown
	Greenhills
	Kimmage
	Ballymount
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	Kilnamanagh M50 Tymon North Templeogue
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	11 NB1 Tallaght
	Tallaght N81
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Approved DK	Figure 6.20 Corridor Sections Tallaght to City Centre
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_TT-0809_XX_00-DR-GG-0103         1 of 1         A         M01

# **6.2c** Corridor Sections









# **6.2d** Corridor Sections







vond Qv Wellin sex St <sup>43</sup> Dame blin stle	Islandbridge Kilmainhan Dolphins Barn Crumlin Harolds Cross Ranelagh Rathmines Rathgar Clore
· .	Legend :
	Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme
	Section 4
st	Grand Canal to Christchurch
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Approved	Figure 6.2d Corridor Sections
DK	Tallaght to City Centre           Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_TT-0809_XX_00-DR-GG-0106         1 of 1         A         M01

# **6.2e** Corridor Sections







S West	Chapelizod Ballyfermot Inchico M50 Fox & Geese
	Condalkin       Walkinstown         Greenhills       Greenhills         Image: Conduction of the selly mount       Image: Conduction of the selly mount         Legend :       Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme         Section 5       Section 5
Junit F Kennedy Drive	Woodford Walk / New Nangor Road Junction to Long Mile Road / Naas Road / New Nagor Road Junction
d-GEE	
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	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_TT-0809_XX_00-DR-GG-0107         1 of 1         A         M01

### **6.2f** Corridor Sections







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$\sim$	Ballyfermot	++++	Kilmain	ham
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rimna	M50 Bluebell		Cru	ımlin
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### **6.3a** Baseline Pedestrian Facilities











#### Legend : Section 1

#### Tallaght to Ballymount **Existing Pedestrian Crossings**

- Signalised Crossing

Baw

Approved DK

Uncontrolled Crossing

Note 1: Facilities contained within the Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme boundary are displayed; those outside the scheme boundary are not shown

**Note 2:** Drawing not to scale, facilities shown in this map are shown indicatively for context

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**Note 1:** Facilities contained within the Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme boundary are displayed; those outside the scheme boundary are not shown

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### **6.3b** Baseline Pedestrian Facilities







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		Red low	Walkinstown	
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**Note 1:** Facilities contained within the Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme boundary are displayed; those outside the scheme boundary are not shown

**Note 2:** Drawing not to scale, facilities shown in this map are shown indicatively for context

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### **6.3c** Baseline Pedestrian Facilities







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र	Ballymount
	Legend :
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	Existing Pedestrian Crossings
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**Note 1:** Facilities contained within the Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme boundary are displayed; those outside the scheme boundary are not shown

**Note 2:** Drawing not to scale, facilities shown in this map are shown indicatively for context

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### **6.3d** Baseline Pedestrian Facilities







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	Legend :
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	Tallaght to City Centre           Drawing File Name         Status         Rev           BCIDE-JAC-ENV_TT-0809_XX_00-DR-GG-0206         1 of 1         A         M01

### **6.3e** Baseline Pedestrian Facilities







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	Fox & Geese
~	Condalkin Clined cov Walkinstown Greenhills
	N7 Greenhills
	Legend :
	Section 5 Woodford Walk / New Nangor Road Junction to Long Mile Road / Naas Road / New Nagor Road Junction
	Existing Pedestrian Crossings
r Kennedy Drive	←→ Uncontrolled Crossing
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	<b>Note 1:</b> Facilities contained within the Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme boundary are displayed; those outside the scheme boundary are not shown
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### **6.3f** Baseline Pedestrian Facilities







	Islandbridge	
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	Fox & Geese	
	Greenhills	
n Rd	Kimmage	
$\langle \rangle$	Ballymount	
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	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_TT-0809_XX_00-DR-GG-0208         1 of 1         A         M01	

### **6.4a** Baseline Cycle Facilities









# **6.4b** Baseline Cycle Facilities







Cr	Do
	M50 Blueball
	Fox & Geese
	Gered ow Walkinstown
	Greenhills
	Kimmage
	Ballymount
	Kilnamanagh M50 Tumon North Templeogue
	Tymon North Templeogue
	11 NB1 Tailaght
	N81
	Tallaght N81
	Legend :
	Section 2
	Ballymount to Crumlin
neter's Crescem	Cycle Facilities
tel	Cycle Lane
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Approved DK	Baseline Cycle Facilities Tallaght to City Centre
	Drawing File Name         Sheet Number         Status         Rev           BCIDE-JAC-ENV_TT-0809_XX_00-DR-GG-0303         1 of 1         A         M01
# **6.4c** Baseline Cycle Facilities









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	Greenhills
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onore ALe	
õ	Legend :
	Section 3
	Crumlin to Grand Canal
	Cycle Facilities
R1	Combined Bus and Cycle Lane
	Cycle Lane
	Existing Cycle Parking
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	<b>Note 1:</b> Facilities contained within the Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme boundary are displayed; those
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Approved	Figure 6.4c Baseline Cycle Facilities
DK	Tallaght to City Centre

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# **6.4d** Baseline Cycle Facilities







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	Grand Canal to Christchurch
St	Cycle Facilities
ier	Combined Bus and Cycle Lane
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	Centre Core Bus Corridor Scheme boundary are displayed; those outside the scheme boundary are not shown
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# **6.4e** Baseline Cycle Facilities







	Chapelizod
	Ballyfermot
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	Ronanstown
·	+++0++++++++++++++++++++++++++++++++++
	M50 Bluebell
	Fox & Geese
	Gondalkin
	Walkinstown
	N7 Greenhills
	Ballymount
	Legend :
	-
	Section 5
	Woodford Walk / New Nangor Road Junction to Long Mile Road / Naas Road / New Nagor Road Junction
	Cycle Facilities
	Combined Bus and Cycle Lane
medy Drive	Cycle Greenway
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# 6.4f Baseline Cycle Facilities







# **6.5a** Baseline Bus Facilities











## Legend : Section 1

Tallaght to Ballymount

## **Bus Facilities**

- Existing Bus Stop with Shelter
- $\bigcirc$ Existing Bus Stop without Shelter

Baw

Existing Bus Lane

Note 1: Facilities contained within the Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme boundary are displayed; those outside the scheme boundary are not shown

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## Legend : Section 1

Tallaght to Ballymount

### **Bus Facilities**

Existing Bus Stop with Shelter

Existing Bus Stop without Shelter

•

Programme Title

Existing Bus Lane

**Note 1:** Facilities contained within the Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme boundary are displayed; those outside the scheme boundary are not shown

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Drawing Title Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme Figure 6.5a Baseline Bus Facilities Tallaght to City Centre

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# **6.5b** Baseline Bus Facilities







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		Ballymoun	t to Crumlin	I	
-	Bus Fa	cilities			
	•	Existing Bu	us Stop with	n Shelter	
	0	Existing Bu	us Stop with	nout Shelter	
240		Existing Bu	us Lane		
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**Note 1:** Facilities contained within the Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme boundary are displayed; those outside the scheme boundary are not shown

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Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme Figure 6.5b Baseline Bus Facilities Tallaght to City Centre

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# **6.5c** Baseline Bus Facilities









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	yfermot Kilmainham
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ton	Bluebell Crumlin2 Harolds Cross
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onore	
- S	Legend :
	Section 3 Crumlin to Grand Canal
	Bus Facilities
R1	<ul> <li>Existing Bus Stop with Shelter</li> </ul>
1.64	<ul> <li>Existing Bus Stop without Shelter</li> </ul>
86	Existing Bus Lane
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# **6.5d** Baseline Bus Facilities







vond Qv Wellin sex St 43 Dame blin stle	TVPIRK Dublin Islandbridge Kilmainhan Dolphins Barn Crumlin Harolds Cross Ranelagh Rathmines Rathgar Clor
× .	Legend :
	Section 4
	Grand Canal to Christchurch
	Bus Facilities
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er	Existing Bus Stop with Shelter
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# **6.5e** Baseline Bus Facilities







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West	Ronanstown		+++++++	2	Inchico
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	100	M50		Blue	vell
	12/102	Fox & Geese	- Cont	•	5
	Clondalkin		At 1		YA
		TRed	Cow	Walki	nstown
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	N			Greenhills	$\sum$
			10 Ballym	ount	
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	Legend :				
	Section 5				
		Valk / New Nangor / Naas Road / New	Road June	tion to L	ong
	Bus Facilities	, Naas Noad / New	Nagor NO		
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# **6.5f** Baseline Bus Facilities







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rimn	Fox & Geese	Cn	imlin
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	19 Red Cow Walkinstown		
nRd	Greenhills	K	immage
	Ballymount		
			$\leq$
	Legend :		
	Section 6 Long Mile Road / Naas Road / New	Nangor Poad	
	Junction to Drimnagh	Nangor Roau	
	Existing Bus Stop with Shelter		
nnagh í	Existing Bus Stop without Shelter		
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# **6.6** Aerial Views of Key Junctions







# B) BELGARD SQUARE SOUTH / BELGARD SQUARE WEST THREE-ARM ROUNDABOUT

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### Legend

Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme



A) Blessington Road / Cookstown Way signalised junction

B) Belgard Square South / Belgard Square West three-arm roundabout

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Figure 6.6	
Aerial Views of Key Junctions	

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# B) BELGARD SQUARE NORTH / BELGARD SQUARE EAST FOUR-ARM ROUNDABOUT

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### Legend

Tallaght/Clondalkin to City Centre Core Bus
Corridor Scheme



Drawing Title

A) Belgard Square North / Exchange Hall Access signalised junction

B) Belgard Square North / Belgard Square East four-arm roundabout

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### Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Figure 6.6
Aerial Views of Key Junctions

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Figure 6.6
Aerial Views of Key Junctions

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A) BLESSINGTON ROAD / MAIN ROAD THREE-ARM SIGNALISED JUNCTION



# B) MAIN ROAD / OLD GREENHILLS ROAD THREE-ARM PRIORITY JUNCTION

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### Legend

Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme



A) Blessington Road / Main Road three-arm signalised junction

B) Main Road / Old Greenhills Road three-arm priority junction

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# B) R819 GREENHILLS ROAD / HARVEY NORMAN RETAIL PARK FOUR-ARM SIGNALISED JUNCTION

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	Legend
	Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme
	A) R819 Greenhills Road / Airton Road signalised
	junction
	B) R819 Greenhills Road / Harvey Norman Retail Park four-arm signalised junction
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A) R819 GREENHILLS ROAD / BROOMHILL ROAD PRIORITY JUNCTION



# B) R819 GREENHILLS ROAD / HIBERNIAN INDUSTRIAL ESTATE THREE-ARM PRIORITY JUNCTION

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### Legend

Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme



- A) R819 Greenhills Road / Broomhill Road priority junction
- B) R819 Greenhills Road / Hibernian Industrial Estate three-arm priority junction





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Figure 6.6
Aerial Views of Key Junctions

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A) R819 GREENHILLS ROAD / MAYBERRY ROAD SIGNALISED JUNCTION



# B) R819 GREENHILLS ROAD / CASTLETYMON ROAD SIGNALISED JUNCTION

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### Legend

Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme



A) R819 Greenhills Road / Mayberry Road signalised junction

B) R819 Greenhills Road / Castletymon Road signalised junction

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# B) WALKINSTOWN ROUNDABOUT NORTHEN SECTION

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	Walki stown GREENHILS CRUMLIN Greenhills WHITEHALL
	Legend Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme A) Balmount Avenue/ Calmount Road four-arm roundabout B) Walkinstown roundabout northen section
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Figure 6.6 Aerial Views of Key Junctions

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### Legend

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Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme



A) R110 Long Mile Road / R819 Walkinstown Road signalised junction

B) R110 Drimnagh Road / Slievebloom Road / Balfe Road signalised junction

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0	5	10	15	20	25 m	





# B) R110 DRIMNAGH ROAD / ST MARY'S ROAD / KILDARE ROAD SIGNALISED JUNCTION

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### Legend

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Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme



- A) R110 Drimnagh Road / Errigal Road signalised junction
- B) R110 Drimnagh Road / St Mary's Road / Kildare Road signalised junction

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0	7	14	21	28	35 m	




### B) R110 CRUMLIN ROAD / HERBERTON ROAD / SUNDRIVE ROAD FOUR-ARM SIGNALISED JUNCTIO

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### Legend

Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme



- A) R110 Crumlin Road / Cooley Road three-arm signalised junction
- B) R110 Crumlin Road / Herberton Road / Sundrive Road four-arm signalised junctio

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Figure 6.6
Aerial Views of Key Junctions

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### B) KILDARE ROAD / WINDMILL ROAD FOUR-ARM SIGNALISED JUNCTION

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Figure 6.6
Aerial Views of Key Junction

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### B) KILDARE ROAD / BANGOR ROAD FOUR-ARM SIGNALISED JUNCTION

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A) CLOGHER ROAD / R111 PARNELL ROAD FOUR-ARM SIGNALISED JUNCTION



### B) R110 DOLPHIN'S BARN STREET, R811 SOUTH CIRCULAR BOAD FOUR-ARM SIGNALISED JUNCTION

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#### Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

Figure 6.6 Aerial Views of Key Junctions

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		Legend
	•	Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme
		A) R110 Cork Street / Marrowbone Lane / Donore Avenue four-arm signalised junction
		B) R110 Cork Street / Ardee Street / R110 St Luke's Avenue signalised junction
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B) R110 DEAN STREET / R137 NEW STREET SOUTH / R110 KEVIN STREET UPPER / R137 PATRICK STREET FOUR-ARM SIGNALISED JUNCTION

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### B) R137 NICHOLAS STREET / CHRISTCHURCH PLACE / WINETAVERN STREET / HIGH STREET FOUR-ARM SIGNALISED JUNCTION

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	Legend
	Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme
	A) R134 New Nangor Road / Woodford Walk three- arm signalised junction
	B) R134 New Nangor Road / Nangor Road Business Park four-arm roundabout
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### B) R134 NEW NANGOR ROAD / KILLEEN ROAD (SOUTH) SIGNALISED JUNCTION

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#### Legend

- Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme
- - A) R134 New Nangor Road / Killeen Road (north) signalised junction
  - B) R134 New Nangor Road / Killeen Road (south) signalised junction

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A) R134 NEW NANGOR ROAD / R110 NAAS ROAD / R110 LONG MILE ROAD FOUR-ARM SIGNALISED JUNCTION



### B) RR810 NAAS ROAD / R112 WALKINSTOWN AVENUE / R112 KYLEMORE ROAD SIGNALISED JUNCTION

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#### Legend





A) R134 New Nangor Road / R110 Naas Road / R110 Long Mile Road four-arm signalised junction

B) RR810 Naas Road / R112 Walkinstown Avenue / R112 Kylemore Road signalised junction

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elevations are in metres and relate to OSi Geoid Model (OSGM15) Malin Head. All Co-ordinates are in Irish	Recipients should not rely on this information. Any liabilities are hereby expressly disclaimed.		Future							Project Code BCIDE	Originator Code JAC	QMS Code	

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	Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme
	A) R112 Walkinstown Avenue / R110 Long Mile Road four-arm signalised junction
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s TrA	CORE BUS CORRIDORS INFRASTRUCTURE WORKS Drawing Title Figure 6.6 Aerial Views of Key Junctions
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## **6.7** Flow Difference on Road Links 2028 Opening Year DoMinimum vs DoSomething AM Peak Hour







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## **6.8** Flow Difference on Road Links 2028 Opening Year DoMinimum vs DoSomething PM Peak Hour







# **6.9** Volume/Capacity Ratios 2028 Opening Year DoMinimum vs DoSomething AM Peak Hour







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)6		> 115%
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S		BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS
	ſA	Drawing Title Figure 6.9 Tallaght/Clondalkin to City Centre Core Bus Corridor Scheme
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# **6.10** Volume/Capacity Ratios 2028 Opening Year DoMinimum vs DoSomething PM Peak Hour







# **6.11** Volume/Capacity Ratios 2043 Opening Year + 15 Years DoMinimum vs DoSomething AM Peak Hour







# **6.12** Volume/Capacity Ratios 2043 Opening Year + 15 Years DoMinimum vs DoSomething PM Peak Hour







# **6.13** Flow Distribution 2028 Post Construction Scenario (AM) All Core Bus Corridors











# **6.14** Flow Distribution 2028 Post Construction Scenario (PM) All Core Bus Corridors











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# **6.15** Flow Distribution 2043 Post Construction Scenario (AM) All Core Bus Corridors











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# **6.16** Flow Distribution 2043 Post Construction Scenario (PM) All Core Bus Corridors









