

The background is a vibrant yellow. It is decorated with several abstract geometric shapes in shades of blue, teal, and white. These include circles, semi-circles, and rounded rectangular shapes, some of which are layered or overlapping. The shapes are scattered across the page, creating a modern and dynamic visual effect.

Appendix A6.1
Sub Appendix
Appendix 4 -
Impact Assessments

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Appendix A6.4.1: Pedestrian Infrastructure Assessment

Table 1 Pedestrian Junction Assessment Criteria

Aspect	Indicator
Routing	Are pedestrian crossings (signalised or uncontrolled) available on all arms?
Directness	Where crossings are available, do they offer direct movements which do not require diversions or staggered crossings i.e., no or little delay required for pedestrians to cross in one direct movement?
Vehicular speeds	Are there measures in place to promote low vehicular speeds, such as minimally sized corner radii and narrow carriageway lane widths?
Accessibility	Where crossings exist, are there adequate tactile paving, dropped kerbs and road markings for pedestrians (including able-bodied, wheelchair users, mobility impaired and pushchairs)?
Widths	Are there adequate footpath and crossing widths in accordance with national standards?

Table 2 Pedestrian Junction Assessment LoS

LoS	Indicators Met (of a total of 5)
A	5
B	4
C	3
D	2
E	1
F	0

Table 3 Description of Impact for Pedestrian Qualitative Assessment

Magnitude of Impact	Change in LoS Rating
High	4 to 5
Medium	2 to 3
Low	1
Negligible	0

Table 4 Determining the Significance of the Impact for Pedestrian Qualitative Assessment

		Sensitivity of Existing Environment			
		High	Medium	Low	Negligible
Description Impact	High	Profound	Very Significant	Moderate	Slight
	Medium	Very Significant	Significant	Moderate	Not Significant
	Low	Moderate	Moderate	Slight	Not Significant
	Negligible	Not Significant	Not Significant	Not Significant	Imperceptible

1.1 Section 1 – R817 Lower Kimmage Road from Kimmage Cross Roads to the Junction with Harold’s Cross Road

Table 5: Section 1 – Walking Infrastructure Assessment

Location	Chainage	Criteria	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
R817 Kimmage Rd Lower / R818 Terenure Rd West / R817 Fortfield Rd / R818 Kimmage Rd West	A0 - A100	Pedestrian Routing:	Pedestrian crossing available on the northern and eastern arms as well as one lane of the western arm	x	Pedestrian crossings available on all arms.	✓	High
		Pedestrian Directness:	No direct crossings available on any arms.	x	Direct crossings available on all arms.	✓	
		Vehicular Speeds:	Existing slip lanes with larger corner radii encourage higher vehicular speeds	x	Removal of slip lanes decreases vehicular speeds	✓	
		Accessibility:	Missing tactile paving, dropped kerbs and road markings	x	Adequate tactile paving, dropped kerbs, road markings	✓	
		Footpath widths:	Existing footpath widths are over 2m, however crossing widths are less than 2.4m wide	x	Proposed footpaths and crossing widths are over 2m wide and 2.4m wide respectively	✓	
		Overall LoS	0 Indicators met:	F	5 Indicators met:	A	
R817 Kimmage Rd Lower / Hazelbrook Rd	A150 - A200	Pedestrian Routing:	Pedestrian crossing available on the eastern arm only.	x	Pedestrian crossing available on eastern arm and toucan crossing on northern arm	x	Medium
		Pedestrian Directness:	Direct crossing available on the eastern arm.	✓	Direct crossings available on both the eastern and northern arms	✓	
		Vehicular Speeds:	Larger corner radii and lane widths along the major arm encourage higher vehicular speeds.	x	Proposed toucan crossing, tighter corner radii and retained raise table reduces vehicular speeds	✓	
		Accessibility:	Adequate tactile paving and dropped kerbs. Road marking and road surfacing are not adequate.	x	Adequate tactile paving, dropped kerbs and road markings in accordance with current guidance.	✓	
		Footpath widths:	Existing footpath widths are over 2m	✓	Proposed footpaths and crossing widths are over 2m wide and 2.4m wide respectively	✓	
		Overall LoS	2 Indicators met:	D	4 Indicators met:	B	
R817 Kimmage Rd Lower / Ravensdale Park	A300 - A350	Pedestrian Routing:	No formal pedestrian crossings on any of the arms	x	Pedestrian crossings available on all arms.	✓	High
		Pedestrian Directness:	No formal pedestrian crossings on any of the arms	x	Direct crossings available on all arms.	✓	
		Vehicular Speeds:	Large corner radii and lane widths encourage higher vehicular speeds.	x	Cycle lanes encourage slower speeds through narrowing the corner radii at the junction	✓	
		Accessibility:	No formal pedestrian crossings on any of the arms	x	Adequate tactile paving, dropped kerbs and road markings in accordance with current guidance.	✓	
		Footpath widths:	Existing footpath widths are over 2m	✓	Proposed footpaths and crossing widths are over 2m wide and 2.4m wide respectively	✓	
		Overall LoS	2 Indicators met:	E	5 Indicators met:	A	
R817 Kimmage Rd Lower / Kimmage Court	A500 - A550	Pedestrian Routing:	Pedestrian crossing available on Kimmage Court only	x	Pedestrian crossing available on Kimmage Court only	x	Medium
		Pedestrian Directness:	Direct crossing across Kimmage Court	✓	Direct crossing across Kimmage Court	✓	

Location	Chainage	Criteria	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
		Vehicular Speeds:	Wide junction with large corner radii encourages higher vehicular speeds	x	Raised table on Kimmage Court decreases vehicular speeds	✓	
		Accessibility:	Tactile paving offset and not direct across crossing	x	Adequate tactile paving, dropped kerbs and road markings	✓	
		Footpath widths:	Existing footpath widths are over 2m	✓	Existing footpath widths are over 2m	✓	
		Overall LoS	3 Indicators met:	D	4 Indicators met:	B	
R817 Kimmage Rd Lower / Sundrive Rd / Larkfield Avenue	A1050 - A1100	Pedestrian Routing:	Pedestrian crossings available on all arms.	✓	Pedestrian crossings available on all arms.	✓	Medium
		Pedestrian Directness:	Direct crossings available on all arms.	✓	Direct crossings available on all arms.	✓	
		Vehicular Speeds:	Large corner radii and lane widths encourage higher vehicular speeds.	x	Proposed reduction in corner radii and lane widths encourage slow vehicular speeds.	✓	
		Accessibility:	Adequate tactile paving, dropped kerbs, road markings.	✓	Adequate tactile paving, dropped kerbs, road markings.	✓	
		Footpath widths:	Existing footpath widths are over 2m, however crossing widths are less than 2.4m wide	x	Proposed footpaths and crossing widths are over 2m wide and 2.4m wide respectively	✓	
		Overall LoS	3 Indicators met:	C	5 Indicators met:	A	
R817 Kimmage Road Lower / Mount Argus View	A1250 - A1300	Pedestrian Routing:	Uncontrolled crossing across northern (minor) arm and signalised crossing across Kimmage Rd Lower	x	Pedestrian crossing available on the northern and western arms	x	Medium
		Pedestrian Directness:	Staggered crossings across the western arm	x	Direct crossings available on the northern and western arms	✓	
		Vehicular Speeds:	Large corner radii and slip lanes encourages higher vehicular speeds	x	Narrow corner radii decreases vehicular speeds	✓	
		Accessibility:	Adequate tactile paving, dropped kerbs, road markings.	✓	Adequate tactile paving, dropped kerbs, road markings.	✓	
		Footpath widths:	Existing southern footpath is less than 2m wide, whilst signalised crossing is more than 2.4m wide	x	Proposed southern footpath is less than 2m wide, whilst proposed signalised crossing is more than 2.4m wide	x	
		Overall LoS	1 Indicator met:	E	3 Indicators met:	C	
R817 Kimmage Road Lower / Mount Argus Catholic Church	A1425 - A1475	Pedestrian Routing:	Pedestrian crossing available on the northern arm only	x	Pedestrian crossing available on the northern arm only	x	Medium
		Pedestrian Directness:	Direct crossing available on the northern arm	✓	Direct crossing available on the northern arm	✓	
		Vehicular Speeds:	Large corner radii encourages higher vehicular speeds	x	Narrow corner radii and raised table decreases vehicular speeds	✓	
		Accessibility:	No adequate tactile paving	x	Adequate tactile paving, dropped kerbs, road markings.	✓	
		Footpath widths:	Existing footpath widths are over 2m	✓	Proposed footpath widths are over 2m	✓	
		Overall LoS	2 Indicator met:	D	4 Indicators met:	B	

Location	Chainage	Criteria	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
Ravensdale Park / Poddle Park	G60000	Pedestrian Routing:	No pedestrian crossings available on any arms.	x	Closure of northern arm (Poddle Park) creates pedestrian crossing across northern arm	x	Medium
		Pedestrian Directness:	No pedestrian crossings available on any arms.	x	Direct crossing available across the northern arm	✓	
		Vehicular Speeds:	Large corner radii and lane widths encourage higher vehicular speeds.	x	Closure of northern arm will aid pedestrian movements and reduce vehicular speeds	✓	
		Accessibility:	No pedestrian crossings available on any arms.	x	Adequate tactile paving, dropped kerbs, road markings.	✓	
		Footpath widths:	Existing footpath widths are over 2m	✓	Proposed footpath widths are over 2m	✓	
		Overall LoS	1 Indicators met:	E	4 Indicator met:	B	
Sundrive Road / Blarney Park	G60875 - G60925	Pedestrian Routing:	Pedestrian crossings available on the south east (major) and south west (minor) arms	x	Pedestrian crossings available on all arms.	✓	High
		Pedestrian Directness:	Direct crossings available on the SE and SW arms	✓	Direct crossings available on all arms.	✓	
		Vehicular Speeds:	Large corner radii encourages higher vehicular speeds	x	Signalised junction reduces vehicular speeds	✓	
		Accessibility:	No adequate tactile paving on SW arm	x	Adequate tactile paving, dropped kerbs, road markings.	✓	
		Footpath widths:	Existing footpath is more than 2m wide, however crossing width is less than 2.4m wide	x	Proposed footpath is more than 2m wide and crossing widths are more than 2.4m wide	✓	
		Overall LoS	1 Indicators met:	E	5 Indicators met:	A	
R137 Harold's Cross Road / Kenilworth Square North / Rathgar Avenue / Kenilworth Park	J90025 - J90075	Pedestrian Routing:	Pedestrian crossings available on all arms	✓	Pedestrian crossings available on all arms	✓	Low
		Pedestrian Directness:	Direct crossings available on all arms	✓	Direct crossings available on all arms	✓	
		Vehicular Speeds:	Signalised junction decreases vehicular speeds	✓	Signalised junction decreases vehicular speeds	✓	
		Accessibility:	Adequate tactile paving, dropped kerbs and road markings available	✓	Adequate tactile paving, dropped kerbs and road markings available	✓	
		Footpath widths:	Existing footpaths are wider than 2m, however crossing widths are less than 2.4m wide	x	Proposed footpaths are wider than 2m and crossing widths are wider than 2.4m	✓	
		Overall LoS	4 Indicators met:	B	5 Indicators met:	A	
R817 Harold's Cross Road / Mount Argus Road	A1975 - A2025	Pedestrian Routing:	Pedestrian crossing available on the northern and western arms only	x	Pedestrian crossing available on the northern and western arms only	x	Medium
		Pedestrian Directness:	Direct crossings available on the northern and western arms	✓	Direct crossings available on the northern and western arms	✓	
		Vehicular Speeds:	Large corner radii encourages higher vehicular speeds	x	Narrow corner radii and raised table decreases vehicular speeds	✓	
		Accessibility:	No adequate tactile paving on the western arm	x	Adequate tactile paving, dropped kerbs and road markings available	✓	

Location	Chainage	Criteria	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
		Footpath widths:	Existing eastern footpath is less than 2m wide and signalised crossing is less than 2.4m wide	x	Proposed eastern footpath is less than 2m wide, however proposed signalised crossing is more than 2.4m wide	x	
		Overall LoS	1 Indicators met:	E	3 Indicator met:	C	
R817 Harold's Cross Road / St Clare's Avenue	A2200 - A2250	Pedestrian Routing:	Pedestrian crossing available on the western arm	x	Pedestrian crossing available on the western arm	x	Low
		Pedestrian Directness:	Direct crossing available on the western arm	✓	Direct crossing available on the western arm	✓	
		Vehicular Speeds:	Narrow corner radii decreases vehicular speeds	✓	Narrow corner radii and raised table decreases vehicular speeds	✓	
		Accessibility:	No adequate tactile paving	x	Adequate tactile paving, dropped kerbs and road markings available	✓	
		Footpath widths:	Existing footpath widths is more than 2m	✓	Existing footpath widths is more than 2m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicator met:	B	
R817 Harold's Cross Road / R137 Harold's Cross Road	A2250 - A2300	Pedestrian Routing:	Pedestrian crossing available across both R817 and R137	✓	Pedestrian crossing available across both R817 and R138	✓	Low
		Pedestrian Directness:	Staged crossing with footpath around Harold's Cross Park acting as refuge island	x	Staged crossing with footpath around Harold's Cross Park acting as refuge island	x	
		Vehicular Speeds:	Signalised crossing decreases vehicular speeds	✓	Signalised crossing decreases vehicular speeds	✓	
		Accessibility:	Adequate tactile paving, dropped kerbs and road markings available	✓	Adequate tactile paving, dropped kerbs and road markings available	✓	
		Footpath widths:	Existing footpath widths are more than 2m, however crossing widths are less than 2.4m	x	Proposed footpath widths are more than 2m and crossing widths are more than 2.4m wide	✓	
		Overall LoS	3 Indicators met:	C	4 Indicator met:	B	
R137 Harold's Cross Road / Leinster Park	B10250 - B10300	Pedestrian Routing:	Pedestrian crossing available on the eastern arm	x	Pedestrian crossing available on the eastern arm	x	Low
		Pedestrian Directness:	Direct crossing available on the eastern arm	✓	Direct crossing available on the eastern arm	✓	
		Vehicular Speeds:	Narrow corner radii and raised table decreases vehicular speeds	✓	Narrow corner radii and raised table decreases vehicular speeds	✓	
		Accessibility:	No tactile paving on the eastern arm	x	Continuous footpath across minor junction	✓	
		Footpath widths:	Existing footpath widths are more than 2m	✓	Proposed footpath widths are more than 2m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicator met:	B	
R137 Harold's Cross Road / Harold's Cross Educate Together Secondary School	B10125 - B10175	Pedestrian Routing:	Pedestrian crossing available on the eastern arm	x	Pedestrian crossing available on the eastern arm	x	Low
		Pedestrian Directness:	Direct crossing available on the eastern arm	✓	Direct crossing available on the eastern arm	✓	

Location	Chainage	Criteria	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
		Vehicular Speeds:	Narrow corner radii and raised table decreases vehicular speeds	✓	Narrow corner radii and raised table decreases vehicular speeds	✓	
		Accessibility:	No tactile paving on the eastern arm	✗	Continuous footpath across minor junction	✓	
		Footpath widths:	Existing footpath widths are more than 2m	✓	Proposed footpath widths are more than 2m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicator met:	B	
R137 Harold's Cross Road / Parkview Avenue / Harold's Cross Road	B10000 - B10050	Pedestrian Routing:	Pedestrian crossings available on the eastern, southern, and western arms	✗	Pedestrian crossings available on the eastern, southern, and western arms	✗	Low
		Pedestrian Directness:	Direct crossings available on the eastern, southern, and western arms	✓	Direct crossings available on the eastern, southern, and western arms	✓	
		Vehicular Speeds:	Narrow corner radii and signalised crossing reduces vehicular speeds	✓	Narrow corner radii and signalised crossing reduces vehicular speeds	✓	
		Accessibility:	No adequate tactile paving on eastern arm	✗	Adequate tactile paving, dropped kerbs and road markings available	✓	
		Footpath widths:	Existing footpaths are wider than 2m and crossing widths are wider than 2.4m	✓	Proposed footpaths are wider than 2m and crossing widths are wider than 2.4m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicator met:	B	

Negligible impacts to the quality in walking infrastructure are noted at the following junctions along Section 1 of the Proposed Scheme:

- R817 Kimmage Road Lower / Riversdale Grove three-arm priority junction (Chainage: A250 – A300);
- R817 Kimmage Road Lower / Corrib Road / Hazel Park four-arm priority junction (Chainage: A400 – A450);
- Mid-link signalised crossing across R817 Kimmage Road Lower (Chainage: A400 – A450);
- R817 Kimmage Road Lower / Aideen Avenue three-arm priority junction (Chainage: A600 – A650);
- R817 Kimmage Road Lower / St Martin's Park / Kimmage Grove four-arm priority junction (Chainage: A775 – A825);
- R817 Kimmage Road Lower / Priory Road three-arm priority junction (Chainage: A1350 – A1400);
- R817 Kimmage Road Lower / Westfield Road three-arm priority junction (Chainage: A1475 – A1525);
- R817 Kimmage Road Lower / Kenilworth Park three-arm priority junction (Chainage: A1575 – A1625);
- R817 Kimmage Road Lower / Casimir Road three-arm priority junction (Chainage: A1650 – A1700);
- R817 Kimmage Road Lower / Harold's Cross three-arm priority junction (Chainage: A1900 – A1950); and
- R817 Kimmage Road Lower / Gandon Close three-arm priority junction (Chainage: A2050 – A2100).

1.2 Section 2 – R137 Harold’s Cross Road from Harold’s Cross Park to Grand Canal

Table 6: Section 2 – Walking Infrastructure Assessment

Location	Chainage	Pedestrian Impact	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
R137 Harold's Cross Road / Our Lady's Hospice & Care Services	A2325 - A2375	Pedestrian Routing:	Pedestrian crossing available on western arm only	x	Pedestrian crossing available on western arm only	x	Medium
		Pedestrian Directness:	Direct crossing available on western arm	✓	Direct crossing available on western arm	✓	
		Vehicular Speeds:	Large corner radii encourages higher vehicular speeds	x	Proposed boundary treatment and signalised pedestrian crossing to the north reduces vehicular speeds	✓	
		Accessibility:	No adequate tactile paving on western arm crossing	x	Continuous footpath provided across western arm	✓	
		Footpath widths:	Existing footpath widths are more than 2m	✓	Proposed footpath widths are more than 2m	✓	
		Overall LoS	2 Indicators met:	D	4 Indicators met:	B	
R137 Harold's Cross Road / St Clare's Convent National School	A2350 - A2400	Pedestrian Routing:	Pedestrian crossing available on eastern arm only	x	Pedestrian crossing available on eastern and northern arms only	x	Low
		Pedestrian Directness:	Direct crossing available on eastern arm	✓	Direct crossing available on eastern and northern arms	✓	
		Vehicular Speeds:	No signalised crossing encourages higher vehicular speeds	x	Proposed boundary treatment and signalised pedestrian crossing to the north reduces vehicular speeds	✓	
		Accessibility:	Continuous footpath across eastern arm entry	✓	Continuous footpath across eastern arm entry	✓	
		Footpath widths:	Existing footpath widths are more than 2m	✓	Proposed footpath widths are more than 2m, and crossing widths are more than 2.4m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicators met:	B	
R137 Harold's Cross Road / Greenmount Avenue	A2425 - A2475	Pedestrian Routing:	Pedestrian crossing available on western arm only	x	Pedestrian crossing available on western arm only	x	Low
		Pedestrian Directness:	Direct crossing available on western arm	✓	Direct crossing available on western arm	✓	
		Vehicular Speeds:	Narrow corner radii decreases vehicular speeds	✓	Narrow corner radii and proposed raised table decreases vehicular speeds	✓	
		Accessibility:	No adequate tactile paving on western arm crossing	x	Adequate tactile paving, dropped kerbs and road markings	✓	
		Footpath widths:	Existing footpath widths are more than 2m	✓	Proposed footpath widths are more than 2m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicators met:	B	
R137 Harold's Cross Road / Mount Drummond Avenue	A2475 - A2525	Pedestrian Routing:	Pedestrian crossing available on eastern and northern arms only	x	Pedestrian crossing available on eastern and northern arms only	x	High
		Pedestrian Directness:	Direct crossing across northern arm, however wide junction and refuge island limits direct crossing movements across eastern arm	x	Direct crossing available on eastern and northern arms	✓	

Location	Chainage	Pedestrian Impact	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
		Vehicular Speeds:	Large corner radii encourages higher vehicular speeds	x	Narrow corner radii and proposed raised table decreases vehicular speeds	✓	
		Accessibility:	No adequate tactile paving on eastern arm crossing	x	Adequate tactile paving, dropped kerbs and road markings	✓	
		Footpath widths:	Existing footpath widths are more than 2m, however crossing widths are less than 2.4m	x	Proposed footpath widths are more than 2m, and crossing widths are more than 2.4m	✓	
		Overall LoS	0 Indicators met:	F	4 Indicators met:	B	
R137 Harold's Cross Road / Le Vere Terrace	A2550 - A2600	Pedestrian Routing:	Pedestrian crossing available across eastern arm only	x	Pedestrian crossing available across eastern arm only	x	Low
		Pedestrian Directness:	Direct crossing available on eastern arm	✓	Direct crossing available on eastern arm	✓	
		Vehicular Speeds:	Narrow corner radii decreases vehicular speeds	✓	Narrow corner radii and proposed raised table decreases vehicular speeds	✓	
		Accessibility:	No adequate tactile paving	x	Adequate tactile paving, dropped kerbs and road markings	✓	
		Footpath widths:	Existing footpath widths are more than 2m	✓	Proposed footpath widths are more than 2m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicators met:	B	
R137 Harold's Cross Road /Armstrong Street	A2575 - A2625	Pedestrian Routing:	Pedestrian crossing available across eastern arm only	x	Pedestrian crossing available across eastern arm only	x	Low
		Pedestrian Directness:	Direct crossing available on eastern arm	✓	Direct crossing available on eastern arm	✓	
		Vehicular Speeds:	Narrow corner radii decreases vehicular speeds	✓	Narrow corner radii and proposed raised table decreases vehicular speeds	✓	
		Accessibility:	No adequate tactile paving	x	Adequate tactile paving, dropped kerbs and road markings	✓	
		Footpath widths:	Existing footpath widths are more than 2m	✓	Proposed footpath widths are more than 2m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicators met:	B	

Negligible impacts to the quality in walking infrastructure are noted at the following junction along Section 2 of the Proposed Scheme:

- R137 Clanbrassil Street Upper / R11 Grove Road / R137 Harold's Cross Road / R111 Parnell Road four-arm signalised junction (Chainage: A2650 – A2700)

1.3 Section 3 – R137 Clanbrassil Street Upper and Lower and R137 New Street South from the Grand Canal to the Patrick Street Junction

Table 7: Section 3 – Walking Infrastructure Assessment

Location	Chainage	Pedestrian Impact	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
R137 Clanbrassil Street Upper / Windsor Terrace	A2675 - A2725	Pedestrian Routing:	Pedestrian crossings available on the eastern arm only.	x	Pedestrian crossings available on the eastern and northern arms only.	x	Low
		Pedestrian Directness:	Direct crossing available on the eastern arm	✓	Direct crossings available on all arms.	✓	
		Vehicular Speeds:	Narrow corner radii with traffic calming measures in place on the minor road	✓	Narrow corner radii with signals on approach to reduce vehicle speeds.	✓	
		Accessibility:	Discrepancies in tactile paving arrangements on	x	Adequate tactile paving, dropped kerbs and road markings in accordance with current guidance.	✓	
		Footpath widths:	Footpath and crossing widths are over 2.0m.	✓	Proposed footpath and crossing widths are over 2.0m.	✓	
		Overall LoS	3 Indicators met:	C	4 Indicators met:	B	
R137 Clanbrassil Street Upper / Clanbrassil Close	A2800 - A2850	Pedestrian Routing:	Pedestrian crossing available on the western arm only.	x	Pedestrian crossing available on the western arm only.	x	Low
		Pedestrian Directness:	Direct crossing available on the western arm	✓	Direct crossing available on the western arm	✓	
		Vehicular Speeds:	Narrow corner radii decreases vehicular turning movements	✓	Narrow corner radii and proposed raised table decreases vehicular turning movements	✓	
		Accessibility:	No adequate tactile paving and dropped kerbs	x	Adequate tactile paving, dropped kerbs and road markings in accordance with current guidance.	✓	
		Footpath widths:	Existing footpath widths are over 2m	✓	Proposed footpath widths are over 2m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicators met:	B	
R137 Clanbrassil Street Upper / Wesley Place	A2850 - A2900	Pedestrian Routing:	Pedestrian crossing available on the western arm only.	x	Pedestrian crossing available on the western arm only.	x	Low
		Pedestrian Directness:	Direct crossing available on the western arm	✓	Direct crossing available on the western arm	✓	
		Vehicular Speeds:	Narrow corner radii decrease vehicular turning movements	✓	Narrow corner radii and proposed raised table decreases vehicular turning movements	✓	
		Accessibility:	No adequate tactile paving and dropped kerbs on the western arm	x	Adequate tactile paving, dropped kerbs and road markings in accordance with current guidance.	✓	
		Footpath widths:	Existing footpath widths are over 2m	✓	Proposed footpath widths are over 2m	✓	
		Overall LoS	3 Indicators met:	C	4 Indicators met:	B	
R137 Clanbrassil Street Lower / R811 South Circular Road / R137 Clanbrassil Street Upper	A2950 - A3000	Pedestrian Routing:	Pedestrian crossings available on all arms.	✓	Pedestrian crossings available on all arms.	✓	Medium
		Pedestrian Directness:	Direct crossings available on all arms.	✓	Direct crossings available on all arms.	✓	

Location	Chainage	Pedestrian Impact	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
		Vehicular Speeds:	Large radii on the NE corner encourages higher vehicular speeds	x	Proposed reduction in corner radii and lane widths encourage slower vehicular speeds.	✓	
		Accessibility:	Adequate tactile paving, dropped kerbs and road markings.	✓	Adequate tactile paving, dropped kerbs and road markings in accordance with current guidance.	✓	
		Footpath widths:	Existing footpath widths are over 2m, however eastern crossing width is less than 2.4m	x	Proposed footpath widths are over 2m, crossing widths are over 2.4m	✓	
		Overall LoS	3 Indicators met:	C	5 Indicators met:	A	
R137 Clanbrassil Street Lower / Malpas Street / R137 New Street South / Long Lane	A3425 - A3475	Pedestrian Routing:	Pedestrian crossings available on the southern, eastern, and western arms only.	x	Pedestrian crossings available on the southern, eastern, and western arms only.	x	Low
		Pedestrian Directness:	Direct crossing on the minor arms, however a staggered crossing is provided on the southern arm	x	Direct crossings available on the eastern, southern, and western arms.	✓	
		Vehicular Speeds:	Signalised junction decreases vehicular speeds	✓	Signalised junction decreases vehicular speeds	✓	
		Accessibility:	Adequate tactile paving, dropped kerbs and road markings.	✓	Adequate tactile paving, dropped kerbs and road markings.	✓	
		Footpath widths:	Existing footpath width is more than 2m, and crossing width is more than 2.4m	✓	Proposed footpath width is more than 2m, and crossing width is more than 2.4m	✓	
Overall LoS	3 Indicators met:	C	4 Indicators met:	B			
R137 New Street South / Cathedral View Court	A3575 - A3625	Pedestrian Routing:	Pedestrian crossings available on the eastern arm only.	x	Pedestrian crossings available on the eastern arm only.	x	Low
		Pedestrian Directness:	Direct crossing available on the eastern arm.	✓	Direct crossing available on the eastern arm.	✓	
		Vehicular Speeds:	Large corner radii encourage higher vehicular turning movement speeds	x	Narrow corner radii and raised table decreases vehicular turning movement speeds	✓	
		Accessibility:	Adequate tactile paving, dropped kerbs and road markings in accordance with current guidance.	✓	Adequate tactile paving, dropped kerbs and road markings in accordance with current guidance.	✓	
		Footpath widths:	Existing footpath width is more than 2m	✓	Proposed footpath width is more than 2m	✓	
Overall LoS	3 Indicators met:	C	4 Indicators met:	B			
R137 New Street South / Kevin Street Upper	A3675 - A3725	Pedestrian Routing:	Pedestrian crossing available on the eastern arm only.	x	Pedestrian crossings available on the eastern and southern arms only	x	Low
		Pedestrian Directness:	Direct crossing available on the eastern arm.	✓	Direct crossings available on the eastern and southern arms.	✓	
		Vehicular Speeds:	Large corner radii and lane widths encourage higher vehicular speeds.	x	Proposed reduction in corner radii and lane widths encourage slower vehicular speeds.	✓	
		Accessibility:	Adequate tactile paving, dropped kerbs and road markings.	✓	Adequate tactile paving, dropped kerbs and road markings in accordance with current guidance.	✓	
		Footpath widths:	Existing footpath width is more than 2m, and crossing width is more than 2.4m	✓	Proposed footpath width is more than 2m, and crossing width is more than 2.4m	✓	
Overall LoS	3 Indicators met:	C	4 Indicators met:	B			

Location	Chainage	Pedestrian Impact	Do Minimum		Do Something		Impact
			Comment	Criteria Met	Comment	Criteria Met	
R137 New Street South / R110 Dean Street / R137 Patrick Street / R110 Kevin Street Upper	A3725 - A3775	Pedestrian Routing:	Pedestrian crossings available on each arm	✓	Pedestrian crossings available on each arm	✓	Medium
		Pedestrian Directness:	Staggered crossing movements on various arms	✗	Direct crossings available on each arm	✓	
		Vehicular Speeds:	Larger corner radii and slip lane encourages higher vehicular speeds	✗	Narrower corner radii and removal of slip lane decreases vehicular speeds	✓	
		Accessibility:	Adequate tactile paving, dropped kerbs and road markings.	✓	Adequate tactile paving, dropped kerbs and road markings.	✓	
		Footpath widths:	Existing footpath widths is more than 2m, crossing widths are less than 2.4m	✗	Proposed footpath widths are more than 2m, and crossing widths is more than 2.4m	✓	
		Overall LoS	2 Indicators met:	D	5 Indicators met:	A	

Negligible impacts to the quality in walking infrastructure are noted at the following junctions along Section 3 of the Proposed Scheme:

- R137 Clanbrassil Street Lower / St Vincent Street South three-arm priority junction (Chainage: A3050 – A3100);
- Mid-link signalised pedestrian crossing across R137 Clanbrassil Street Lower (Chainage: A3150 – A3175);
- R137 Clanbrassil Street Lower / Lombard Street West three-arm priority junction (Chainage: A3175 – A3225);
- R137 Clanbrassil Street Lower/ St. Kevin's Parade three-arm priority junction (Chainage: A3200 – A3250);
- R137 Clanbrassil Street Lower / Donovan Lane three-arm priority junction (Chainage: A3225 – A3275);
- R137 Clanbrassil Street Lower / Daniel Street / Clanbrassil Terrace four-arm priority junction (Chainage: A3300 – A3350);
- R137 Clanbrassil Street Lower / Williams Place Street three-arm priority junction (Chainage: A3375 – A3425);
- R137 New Street South / New Street Gardens / Fumbally Lane three-arm priority junction (Chainage: A3500 – A3550); and
- R137 New Street South / Unnamed Road three-arm priority junction (Chainage: A3625 – A3650).

Appendix A6.4.2: Cycling Infrastructure Assessment

Table 8: Cycling Assessment LoS

LoS	Segregation	No. of adjacent cyclists/width		Junction treatment
A+	High degree of separation. Minimal delay	2+1	2.5m	Cyclists get green signal priority at signalised junctions / has priority across uncontrolled junctions
A	Well separated at mid-link with some conflict at intersections	1+1	2.0m	Toucan crossings at signalised junctions for cyclists along CBC / Protected junctions not already classified as A+ for junction treatment
B	On-road cycle lanes or carriageway designated as 'quiet cycle routes'	1+1	1.75m	Cyclists share green time with general traffic and cycle lanes continue through the junction, for junctions not already classified as A or A+ for junction treatment
C	Bicycle share traffic or bus lanes	1+0	1.25m	Cyclists share green time with general traffic with cycle facilities (advanced stacking locations / cycle lanes) available up to the junction but don't continue through
D	No specific bicycle facilities	1+0	0.75m	No specific bicycle facilities

Table 9: Description of Impact for Cycling Qualitative Assessment

Magnitude of Impact	Change in LoS Rating
High	3 to 4
Medium	2
Low	1
Negligible	0

Table 10: Significance of Effect Matrix

		Sensitivity of Existing Environment			
		High	Medium	Low	Negligible
Description Impact	High	Profound	Very Significant	Moderate	Slight
	Medium	Very Significant	Significant	Moderate	Not Significant
	Low	Moderate	Moderate	Slight	Not Significant
	Negligible	Not Significant	Not Significant	Not Significant	Imperceptible

1.4 Section 1 – R817 Lower Kimmage Road from Kimmage Cross Roads to the Junction with Harold’s Cross Road

Table 11: Section 1 – Cycling Infrastructure Assessment

Location	Chainage	Cyclist Impact	Do Minimum	LoS Rating	DoSomething	LoS Rating	Impact
Main Corridor (R817 & R137 Regional Roads)							
R817 Kimmage Road Lower: R818 Terenure Road West to Ravensdale Park	A0 – A300	Segregation	On-road cycle lanes	B	Well-separated at mid-link with some conflict at intersections	A	Low
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle tracks have capacity for one abreast and one overtaking (2.0m, 1+1)	A	
		Junction Treatment	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	Protected junctions not already classified as A+ for junction treatment	A	
		Overall		B		A	
R817 Kimmage Road Lower: Ravensdale Park to Sundrive Road	A300 – A1100	Segregation	On-road cycle lanes	B	Cycle lanes provide in both directions for the majority of the link, however no cycle infrastructure is provided in both directions to the west of Sundrive Road for over a 100m, and no westbound cycle infrastructure is provided for approx. 50m to the west of Kimmage Court	D	Low
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	
		Junction Treatment	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	
		Overall		B		C	
R817 Kimmage Road Lower: Sundrive Road to Mount Argus View	A1100 – A1300	Segregation	On-road cycle lanes	B	On-road cycle lanes	B	Negligible
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	
		Junction Treatment	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	
		Overall		B		B	
R817 Kimmage Road Lower: Mount Argus View to Harold’s Cross Road	A1300 – A1950	Segregation	On-road cycle lanes	B	On-road cycle lanes	B	Negligible
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	
		Junction Treatment	Cyclists has priority across uncontrolled junctions	A+	Cyclists has priority across uncontrolled junctions	A+	
		Overall		B		B	
R817 Harold’s Cross Road (adjacent to Harold’s Cross Park)	A1950 – A2300	Segregation	A combination of on-road cycle lanes and combined use bus lanes	C	On-road cycle lanes	B	Low
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	
		Junction Treatment	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	
		Overall		C		B	
R137 Harold’s Cross Road (adjacent to Harold’s Cross Park)	B10000 – B10400	Segregation	A combination of on-road cycle lanes and combined use bus lanes	C	On-road cycle lanes	B	Low
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	
		Junction Treatment	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	
		Overall		C		B	

Location	Chainage	Cyclist Impact	Do Minimum	LoS Rating	DoSomething	LoS Rating	Impact
R137 Harold's Cross Road / Kenilworth Square North / Rathgar Avenue / Kenilworth Mnr	J90050	Segregation	No specific bicycle facilities between certain arms	D	On-road cycle lanes between arms	B	Medium
		Number of Adjacent Cyclists / Width	No specific bicycle facilities between certain arms	D	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	
		Junction Treatment	No specific bicycle facilities between certain arms	D	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	
		Overall		D		B	
Poddle Cycleway: Ravensdale Park to Sundrive Road	G60000 – G60900	Segregation	No specific bicycle facilities	D	Carriageway designated as 'quiet cycle route'	B	Medium
		Number of Adjacent Cyclists / Width	No specific bicycle facilities	D	Quiet cycle routes on existing roads, where it is felt due to the quietness of the traffic there's room for one abreast and one overtaking cyclist (1.75m, 1+1)	B	
		Junction Treatment	No specific bicycle facilities	D	Cyclists has priority across uncontrolled junctions	A+	
		Overall		D		B	
Sundrive Road: Blarney Park to R817 Kimmage Road Lower	G60900 – G61100	Segregation	No specific bicycle facilities	D	A mixture of cycle lanes and cycle tracks	B	Low
		Number of Adjacent Cyclists / Width	No specific bicycle facilities	D	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	
		Junction Treatment	No specific bicycle facilities	D	Cyclists share green time with general traffic with cycle facilities available up to the junction but don't continue through	C	
		Overall		D		C	
Poddle Cycleway: Sundrive Road to R817 Kimmage Road Lower	G61050 – H70340	Segregation	No specific bicycle facilities	D	Carriageway designated as 'quiet cycle route'	B	Medium
		Number of Adjacent Cyclists / Width	No specific bicycle facilities	D	Quiet cycle routes on existing roads, where it is felt due to the quietness of the traffic there's room for one abreast and one overtaking cyclist (1.75m, 1+1)	B	
		Junction Treatment	No specific bicycle facilities	D	Cyclists has priority across uncontrolled junctions	A+	
		Overall		D		B	

1.5 Section 2 – R137 Harold’s Cross Road from Harold’s Cross Park to Grand Canal

Table 12: Section 2 – Cycling Infrastructure Assessment

Location	Chainage	Cyclist Impact	Do Minimum	LoS Rating	DoSomething	LoS Rating	Impact
R137 Harold’s Cross Road: Harold’s Cross Park to Grand Canal	A2300 - A2700	Segregation	A combination of on-road cycle lanes and combined use bus lanes	C	Well-separated at mid-link with some conflict at intersections	A	Low
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle tracks have capacity for one cyclist only (1.25m, 1+0)	C	
		Junction Treatment	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	Protected junctions not already classified as A+ for junction treatment	A	
		Overall		C		B	

1.6 Section 3 – R137 Clanbrassil Street Upper and Lower and R137 New Street South from the Grand Canal to the Patrick Street Junction

Table 13: Section 3 – Cycling Infrastructure Assessment

Location	Chainage	Cyclist Impact	Do Minimum	LoS Rating	DoSomething	LoS Rating	Impact
R137 Clanbrassil Street Upper: Grand Canal to R811 South Circular Road	A2700 - A3000	Segregation	A combination of on-road cycle lanes and combined use bus lanes	C	Well-separated at mid-link with some conflict at intersections	A	Low
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle tracks have capacity for one cyclist only (1.25m, 1+0)	C	
		Junction Treatment	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	Protected junctions not already classified as A+ for junction treatment	A	
		Overall		C		B	
R137 Clanbrassil Street Lower: R811 South Circular Road to Lombard Street West	A3000 - A3200	Segregation	A combination of on-road cycle lanes and combined use bus lanes	C	Well-separated at mid-link with some conflict at intersections	A	Medium
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle tracks have capacity for one abreast and one overtaking (2.0m, 1+1)	A	
		Junction Treatment	Cyclists share green time with general traffic and cycle lanes continue through the junction.	B	Protected junctions not already classified as A+ for junction treatment	A	
		Overall		C		A	
R137 Clanbrassil Street Lower & R137 New Street South: Lombard Street West to St Kevin's Parade	A3200 – A3800	Segregation	A combination of on-road cycle lanes and combined use bus lanes	C	Well- separated at mid-link with some conflict at intersections	A	Medium
		Number of Adjacent Cyclists / Width	Cycle lanes have capacity for one cyclist only (1.25m, 1+0)	C	Cycle tracks have capacity for one abreast and one overtaking (2.0m, 1+1)	A	
		Junction Treatment	Cyclists share green time with general traffic with cycle facilities up to junction but don't continue though	C	Protected junctions not already classified as A+ for junction treatment	A	
		Overall		C		A	

Appendix A6.4.3: Average Bus Journey Times

Table 14: 2028 AM and PM Peak Hour Journey Times

PT Line	Direction	Peak Period	Do Minimum	Do Something	Abs Diff	% Diff
4049	F1 SB	AM Peak Hour	16.5	14.5	-1.9	-12%
		PM Peak Hour	17.6	14.8	-2.8	-16%
4050	F1 NB	AM Peak Hour	22.8	15.2	-7.6	-33%
		PM Peak Hour	17.7	15.3	-2.5	-14%
4051	F2 SB	AM Peak Hour	16.8	14.3	-2.5	-15%
		PM Peak Hour	17.3	14.5	-2.9	-17%
4052	F2 NB	AM Peak Hour	22.8	15.9	-6.9	-30%
		PM Peak Hour	17.7	15.7	-1.9	-11%
4053	F3 SB	AM Peak Hour	16.7	14.5	-2.2	-13%
		PM Peak Hour	17.4	14.7	-2.7	-15%
4054	F3 NB	AM Peak Hour	22.2	16.0	-6.2	-28%
		PM Peak Hour	17.7	15.6	-2.0	-12%
4071	O WB	AM Peak Hour	1.4	0.8	-0.5	-40%
		PM Peak Hour	1.3	1.0	-0.2	-19%
4072	O EB	AM Peak Hour	1.1	0.9	-0.2	-15%
		PM Peak Hour	0.8	0.9	0.1	10%
4081	82 EB	AM Peak Hour	1.7	0.9	-0.8	-47%
		PM Peak Hour	0.8	0.6	-0.1	-19%
4082	82 WB	AM Peak Hour	1.6	0.3	-1.2	-79%
		PM Peak Hour	1.8	0.4	-1.4	-79%
4083	85 SB	AM Peak Hour	9.2	7.2	-2.1	-23%
		PM Peak Hour	9.7	7.1	-2.7	-27%
4084	85 NB	AM Peak Hour	13.0	7.4	-5.6	-43%

PT Line	Direction	Peak Period	Do Minimum	Do Something	Abs Diff	% Diff
		PM Peak Hour	9.8	7.7	-2.1	-22%
4239	S2 WB	AM Peak Hour	1.7	0.3	-1.3	-80%
		PM Peak Hour	1.9	0.4	-1.5	-79%
4240	S2 EB	AM Peak Hour	1.7	0.8	-0.9	-52%
		PM Peak Hour	0.7	0.7	0.0	-4%
4241	S4 EB	AM Peak Hour	1.2	0.5	-0.6	-53%
		PM Peak Hour	0.8	0.5	-0.3	-40%
4242	S4 WB	AM Peak Hour	0.8	0.5	-0.3	-36%
		PM Peak Hour	0.9	0.6	-0.2	-29%
4255	81 EB	AM Peak Hour	1.1	0.6	-0.5	-48%
		PM Peak Hour	0.9	0.5	-0.3	-38%
4256	81 WB	AM Peak Hour	0.8	0.6	-0.2	-23%
		PM Peak Hour	0.9	0.6	-0.3	-38%
5080	Bus Eireann 126 EB	AM Peak Hour	1.3	1.0	-0.2	-20%
		PM Peak Hour	-	-	-	-
5093	Bus Eireann 132	AM Peak Hour	21.7	15.4	-6.3	-29%
		PM Peak Hour	-	-	-	-

Table 15 2043 AM and PM Peak Hour Journey Times

PT Line	Direction	Peak Period	Do Minimum	Do Something	Abs Diff	% Diff
4049	F1 SB	AM Peak Hour	16.3	14.6	-1.7	-11%
		PM Peak Hour	17.5	14.9	-2.7	-15%
4050	F1 NB	AM Peak Hour	22.7	15.2	-7.5	-33%

PT Line	Direction	Peak Period	Do Minimum	Do Something	Abs Diff	% Diff
		PM Peak Hour	17.7	15.1	-2.6	-15%
4051	F2 SB	AM Peak Hour	16.8	14.1	-2.7	-16%
		PM Peak Hour	17.3	14.5	-2.9	-16%
4052	F2 NB	AM Peak Hour	22.8	16.0	-6.9	-30%
		PM Peak Hour	17.7	15.7	-2.0	-11%
4053	F3 SB	AM Peak Hour	16.6	14.4	-2.2	-13%
		PM Peak Hour	17.4	14.8	-2.7	-15%
4054	F3 NB	AM Peak Hour	22.5	15.8	-6.7	-30%
		PM Peak Hour	17.8	15.6	-2.2	-12%
4071	O WB	AM Peak Hour	1.5	0.8	-0.7	-48%
		PM Peak Hour	1.3	1.1	-0.2	-15%
4072	O EB	AM Peak Hour	1.1	0.9	-0.2	-21%
		PM Peak Hour	0.9	1.1	0.2	21%
4081	82 EB	AM Peak Hour	2.9	0.7	-2.2	-75%
		PM Peak Hour	0.8	0.6	-0.2	-24%
4082	82 WB	AM Peak Hour	1.8	0.4	-1.3	-76%
		PM Peak Hour	1.9	0.4	-1.5	-79%
4083	85 SB	AM Peak Hour	9.3	7.2	-2.1	-22%
		PM Peak Hour	9.8	7.1	-2.7	-28%
4084	85 NB	AM Peak Hour	12.5	7.2	-5.3	-42%
		PM Peak Hour	9.5	7.6	-2.0	-21%
4239	S2 WB	AM Peak Hour	1.7	0.4	-1.3	-77%
		PM Peak Hour	1.8	0.4	-1.3	-76%
4240	S2 EB	AM Peak Hour	3.0	0.7	-2.2	-76%

PT Line	Direction	Peak Period	Do Minimum	Do Something	Abs Diff	% Diff
		PM Peak Hour	0.6	0.6	0.0	-7%
4241	S4 EB	AM Peak Hour	1.1	0.5	-0.6	-55%
		PM Peak Hour	0.9	0.5	-0.4	-49%
4242	S4 WB	AM Peak Hour	0.8	0.7	-0.1	-18%
		PM Peak Hour	1.1	0.6	-0.5	-45%
4255	81 EB	AM Peak Hour	1.1	0.6	-0.5	-47%
		PM Peak Hour	0.9	0.6	-0.3	-38%
4256	81 WB	AM Peak Hour	0.9	0.6	-0.2	-26%
		PM Peak Hour	1.0	0.6	-0.4	-39%
5080	Bus Eireann 126 EB	AM Peak Hour	1.1	0.8	-0.2	-21%
		PM Peak Hour	-	-	-	-
5093	Bus Eireann 132	AM Peak Hour	21.8	15.5	-6.3	-29%
		PM Peak Hour	-	-	-	-

Appendix A6.4.4: General Traffic Assessment

Table 16: 2028 AM Peak Hour Junction Analysis

Road Name	NavTeq	Road Sensitivity	Junction ID	Junction Name	Peak Hour Traffic Flows		Max Volume over Capacity Ratio (%)		Ranges		Impact
					DoMinimum Flow	DoSomething Flow	DoMinimum VoC	DoSomething VoC	DoMinimum VoC	DoSomething VoC	
New Bride Street	5	High	6170	Heytesbury Street / Camden Row / Long Lane / New Bride Street	582	707	20	20	≤85%	≤85%	Negligible
New Bride Street	5	High	6183	New Bride Street / Kevin Street Lower	1599	1709	63	73	≤85%	≤85%	Negligible
Heytesbury Street	5	High	6194	Heytesbury Street / Arnott Street / Heytesbury Street	556	661	21	21	≤85%	≤85%	Negligible
Heytesbury Street	5	High	6581	Heytesbury Street / Heytesbury Street / Pleasants Street	556	661	20	21	≤85%	≤85%	Negligible
Parnell Road	5	High	8565	Parnell Road / Parnell Road / Greenmount Lane	902	1137	52	73	≤85%	≤85%	Negligible
Heytesbury Street	5	High	6420	Heytesbury Street / Heytesbury Street / Grantham Street	704	780	23	23	≤85%	≤85%	Negligible
Clogher Road	4	Medium	7211	Parnell Road / Parnell Road / Donore Avenue / Clogher Road	1787	1998	64	68	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8171	Aughavannagh Road / Clogher Road / Clogher Road	921	1103	36	42	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8103	Sundrive Road / Sundrive Road / Clogher Road / Clogher Road	1761	1918	78	91	≤85%	85% - 100%	Low
Clogher Road	4	Medium	8138	Clogher Road / Clogher Road / Clogher Road	761	888	23	25	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8385	Clogher Road / Clogher Road / Clogher Road	980	1169	37	43	≤85%	≤85%	Negligible
Clonard Road	5	High	8107	Clonard Road / Clonard Road / Kildare Road / Kildare Road	1269	1619	65	77	≤85%	≤85%	Negligible
Clonard Road	5	High	8110	Clonard Road / Clonard Road / Clonmacnoise Road	67	275	4	15	≤85%	≤85%	Negligible
Kildare Road	5	High	8157	Kildare Road / Monasterboice Road / Kildare Road / Kildare Road	862	1090	25	33	≤85%	≤85%	Negligible
Kildare Road	5	High	8540	Cashel Road / Kildare Road / Kildare Road	1321	1412	100	100	85% - 100%	85% - 100%	Negligible
Clonard Road	5	High	40814	Clonard Road / Clonard Road / Downpatrick Road	480	591	16	19	≤85%	≤85%	Negligible
Clonard Road	5	High	8109	Clonard Road / Armagh Road / Clonard Road	130	338	12	38	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8112	Bangor Road / Bangor Road / Stannaway Road / Stannaway Road	368	562	21	22	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8114	Clonard Road / Stannaway Road / Clonard Road / Stannaway Road	291	539	12	17	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8559	Stannaway Road / Stannaway Drive / Stannaway Road	334	586	14	20	≤85%	≤85%	Negligible
Armagh Road	5	High	8213	Captains Road / Captains Road / Armagh Road / St Agnes Park	1046	1279	54	65	≤85%	≤85%	Negligible
Kenilworth Park	4	Medium	8413	Kenilworth Park / Clareville Road / Kenilworth Park	803	1058	62	50	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11229	Brighton Avenue / Rathgar Avenue / Rathgar Avenue	635	821	18	23	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8131	Clareville Road / Shanid Road / Clareville Road	765	903	22	27	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8132	Clareville Road / Priors Road / Clareville Road	734	894	20	25	≤85%	≤85%	Negligible
Adrian Avenue	5	High	8148	Westfield Road / Clareville Road / Clareville Road	764	962	21	25	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8133	Larkfield Grove / Larkfield Grove / Larkfield Park / Clareville Road	721	881	20	25	≤85%	≤85%	Negligible
Larkfield Park	4	Medium	8415	Larkfield Gardens / Larkfield Avenue / Larkfield Avenue / Larkfield Park	786	1020	20	25	≤85%	≤85%	Negligible
Kildare Road	5	High	8137	Bangor Road / Bangor Road / Kildare Road / Kildare Road	817	1054	59	79	≤85%	≤85%	Negligible
Kildare Road	5	High	8144	Kildare Road / Clogher Road / Kildare Road	817	1054	26	34	≤85%	≤85%	Negligible
Clonmacnoise Road	5	High	8142	Kildare Road / Clonmacnoise Road / Sundrive Road	302	435	24	41	≤85%	≤85%	Negligible
Clonmacnoise Road	5	High	8143	Sundrive Road / Kildare Road	1299	1318	46	45	≤85%	≤85%	Negligible
Kildare Road	5	High	8453	Kildare Road / Leighlin Road / Kildare Road	243	359	12	15	≤85%	≤85%	Negligible
Kildare Road	5	High	8376	Clogher Road / Kildare Road / Kildare Road	424	611	45	63	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8172	Rutland Avenue / Clogher Road / Clogher Road / Rutland Avenue	974	1168	35	41	≤85%	≤85%	Negligible
St Agnes Park	5	High	8214	Stannaway Avenue / St Agnes Park / St Agnes Park	1012	1213	33	39	≤85%	≤85%	Negligible
St Agnes Park	5	High	8300	St Agnes Road / St Agnes Road / St Agnes Park	1368	1553	60	68	≤85%	≤85%	Negligible
Clonard Road	5	High	8274	Old County Road / Clonard Road / Old County Road / Clonard Road	533	656	47	58	≤85%	≤85%	Negligible
Lorcan O'Toole Park	4	Medium	8291	Kimmage Road West / Kimmage Road West / Lorcan O'Toole Park / Shelton Grove	1048	1031	44	39	≤85%	≤85%	Negligible
Lorcan O'Toole Park	4	Medium	8412	Park Crescent / Lorcan O'Toole Park / Stannaway Avenue	299	521	12	19	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8296	Captains Road / Captains Road / Lorcan O'Toole Park / Stannaway Road	279	473	17	28	≤85%	≤85%	Negligible

Road Name	NavTeq	Road Sensitivity	Junction ID	Junction Name	Peak Hour Traffic Flows		Max Volume over Capacity Ratio (%)		Ranges		Impact
					DoMinimum Flow	DoSomething Flow	DoMinimum VoC	DoSomething VoC	DoMinimum VoC	DoSomething VoC	
Stannaway Road	4	Medium	8310	Stannaway Road / Cashel Road / Cashel Road / Stannaway Road	355	624	25	36	≤85%	≤85%	Negligible
St Agnes Road	4	Medium	8411	St Agnes Road / Cromwellsfort Road / Kimmage Road West / Whitehall Road West	2267	2363	100	99	85% - 100%	85% - 100%	Negligible
Larkfield Avenue	5	High	8323	Kimmage Road Lower / Sundrive Road / Larkfield Avenue / Kimmage Road Lower	1829	1216	100	82	85% - 100%	≤85%	Low Positive
R112	2	Negligible	8386	R112 / Rathfarnham Road / Dodder Park Road / Rathfarnham Road	2257	2340	94	91	85% - 100%	85% - 100%	Negligible
Whitehall Road West	4	Medium	9113	Whitehall Road West / Hillsbrook Avenue / Whitehall Road West	641	870	22	28	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9104	Whitehall Road West / Whitehall Road West / Rockfield Avenue	741	945	23	30	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9119	Whitehall Road West / Millgate Drive / Whitehall Road West	741	945	23	30	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9120	Whitehall Road West / Greentreess Park / Whitehall Road West	747	946	23	30	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9112	Wellington Road / Whitehall Road West / Whitehall Road	1181	1226	64	72	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9181	Whitehall Road West / Limekiln Lane / Whitehall Road West	582	785	50	65	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9260	Muckcross Avenue	747	946	27	33	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11240	Grosvenor Road / Rathgar Road	1070	1063	66	75	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11256	Rathgar Road / Grosvenor Road / Rathgar Road	743	849	42	48	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11293	Rathgar Road / Frankfort Avenue / Leicester Avenue / Rathgar Road	780	908	46	53	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11264	Rathgar Avenue / Rathgar Avenue / Garville Avenue / Garville Avenue Upper	635	701	37	38	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11278	Kenilworth Square South / Rathgar Avenue / Rathgar Avenue	596	791	20	23	≤85%	≤85%	Negligible

Table 17: 2043 AM Junction Analysis

Road Name	NavTeq	Road Sensitivity	Junction ID	Junction Name	Peak Hour Traffic Flows		Max Volume over Capacity Ratio (%)		Ranges		Impact
					DoMinimum Flow	DoSomething Flow	DoMinimum VoC	DoSomething VoC	DoMinimum VoC	DoSomething VoC	
New Bride Street	5	High	6170	Heytesbury Street / Camden Row / Long Lane / New Bride Street	342	461	11	14	≤85%	≤85%	Negligible
New Bride Street	5	High	6183	New Bride Street / Kevin Street Lower	1256	1326	69	75	≤85%	≤85%	Negligible
Heytesbury Street	5	High	6194	Heytesbury Street / Arnott Street / Heytesbury Street	321	430	11	15	≤85%	≤85%	Negligible
Heytesbury Street	5	High	6581	Heytesbury Street / Heytesbury Street / Pleasants Street	321	430	11	15	≤85%	≤85%	Negligible
Parnell Road	5	High	8565	Parnell Road / Parnell Road / Greenmount Lane	753	902	41	55	≤85%	≤85%	Negligible
Heytesbury Street	5	High	6420	Heytesbury Street / Heytesbury Street / Grantham Street	414	499	12	16	≤85%	≤85%	Negligible
Clogher Road	4	Medium	7211	Parnell Road / Parnell Road / Donore Avenue / Clogher Road	1360	1495	49	50	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8171	Aughavannagh Road / Clogher Road / Clogher Road	634	754	25	29	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8103	Sundrive Road / Sundrive Road / Clogher Road / Clogher Road	1343	1432	57	71	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8138	Clogher Road / Clogher Road / Clogher Road	516	696	16	19	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8385	Clogher Road / Clogher Road / Clogher Road	688	817	26	30	≤85%	≤85%	Negligible
Clonard Road	5	High	8107	Clonard Road / Clonard Road / Kildare Road / Kildare Road	925	1177	53	60	≤85%	≤85%	Negligible
Clonard Road	5	High	8110	Clonard Road / Clonard Road / Clonmacnoise Road	7	21	1	2	≤85%	≤85%	Negligible
Kildare Road	5	High	8157	Kildare Road / Monasterboice Road / Kildare Road / Kildare Road	570	752	17	21	≤85%	≤85%	Negligible
Kildare Road	5	High	8540	Cashel Road / Kildare Road / Kildare Road	1059	1301	90	100	85% - 100%	85% - 100%	Negligible
Clonard Road	5	High	40814	Clonard Road / Clonard Road / Downpatrick Road	372	450	13	15	≤85%	≤85%	Negligible
Clonard Road	5	High	8109	Clonard Road / Armagh Road / Clonard Road	55	73	4	5	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8112	Bangor Road / Bangor Road / Stannaway Road / Stannaway Road	313	420	13	22	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8114	Clonard Road / Stannaway Road / Clonard Road / Stannaway Road	194	394	7	12	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8559	Stannaway Road / Stannaway Drive / Stannaway Road	225	425	9	14	≤85%	≤85%	Negligible
Armagh Road	5	High	8213	Captains Road / Captains Road / Armagh Road / St Agnes Park	870	1100	51	56	≤85%	≤85%	Negligible
Kenilworth Park	4	Medium	8413	Kenilworth Park / Clareville Road / Kenilworth Park	450	705	37	34	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11229	Brighton Avenue / Rathgar Avenue / Rathgar Avenue	455	572	15	16	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8131	Clareville Road / Shanid Road / Clareville Road	414	582	13	17	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8132	Clareville Road / Priory Road / Clareville Road	394	565	12	16	≤85%	≤85%	Negligible
Adrian Avenue	5	High	8148	Westfield Road / Clareville Road / Clareville Road	424	639	12	16	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8133	Larkfield Grove / Larkfield Grove / Larkfield Park / Clareville Road	389	556	12	16	≤85%	≤85%	Negligible
Larkfield Park	4	Medium	8415	Larkfield Gardens / Larkfield Avenue / Larkfield Avenue / Larkfield Park	430	633	11	15	≤85%	≤85%	Negligible
Kildare Road	5	High	8137	Bangor Road / Bangor Road / Kildare Road / Kildare Road	522	711	40	49	≤85%	≤85%	Negligible
Kildare Road	5	High	8144	Kildare Road / Clogher Road / Kildare Road	522	711	17	21	≤85%	≤85%	Negligible
Clonmacnoise Road	5	High	8142	Kildare Road / Clonmacnoise Road / Sundrive Road	155	199	15	16	≤85%	≤85%	Negligible
Clonmacnoise Road	5	High	8143	Sundrive Road / Kildare Road	976	881	26	26	≤85%	≤85%	Negligible
Kildare Road	5	High	8453	Kildare Road / Leighlin Road / Kildare Road	143	147	11	11	≤85%	≤85%	Negligible
Kildare Road	5	High	8376	Clogher Road / Kildare Road / Kildare Road	241	361	27	46	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8172	Rutland Avenue / Clogher Road / Clogher Road / Rutland Avenue	679	808	24	28	≤85%	≤85%	Negligible
St Agnes Park	5	High	8214	Stannaway Avenue / St Agnes Park / St Agnes Park	870	1072	31	34	≤85%	≤85%	Negligible
St Agnes Park	5	High	8300	St Agnes Road / St Agnes Road / St Agnes Park	1138	1323	54	68	≤85%	≤85%	Negligible
Clonard Road	5	High	8274	Old County Road / Clonard Road / Old County Road / Clonard Road	425	502	40	44	≤85%	≤85%	Negligible
Lorcan O'Toole Park	4	Medium	8291	Kimmage Road West / Kimmage Road West / Lorcan O'Toole Park / Shelton Grove	794	733	29	29	≤85%	≤85%	Negligible

Road Name	NavTeq	Road Sensitivity	Junction ID	Junction Name	Peak Hour Traffic Flows		Max Volume over Capacity Ratio (%)		Ranges		Impact
					DoMinimum Flow	DoSomething Flow	DoMinimum VoC	DoSomething VoC	DoMinimum VoC	DoSomething VoC	
Lorcan O'Toole Park	4	Medium	8412	Park Crescent / Lorcan O'Toole Park / Stannaway Avenue	204	356	8	12	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8296	Captains Road / Captains Road / Lorcan O'Toole Park / Stannaway Road	185	324	10	18	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8310	Stannaway Road / Cashel Road / Cashel Road / Stannaway Road	240	431	15	25	≤85%	≤85%	Negligible
St Agnes Road	4	Medium	8411	St Agnes Road / Cromwellsfort Road / Kimmage Road West / Whitehall Road West	1853	1885	95	86	85% - 100%	85% - 100%	Negligible
Larkfield Avenue	5	High	8323	Kimmage Road Lower / Sundrive Road / Larkfield Avenue / Kimmage Road Lower	1392	806	77	66	≤85%	≤85%	Negligible
R112	2	Negligible	8386	R112 / Rathfarnham Road / Dodder Park Road / Rathfarnham Road	1769	1806	59	62	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9113	Whitehall Road West / Hillsbrook Avenue / Whitehall Road West	493	699	15	17	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9104	Whitehall Road West / Whitehall Road West / Rockfield Avenue	607	790	17	22	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9119	Whitehall Road West / Millgate Drive / Whitehall Road West	607	790	17	22	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9120	Whitehall Road West / Greentrees Park / Whitehall Road West	612	791	17	22	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9112	Wellington Road / Whitehall Road West / Whitehall Road	972	1047	56	77	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9181	Whitehall Road West / Limekiln Lane / Whitehall Road West	456	643	37	44	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9260	Muckcross Avenue	612	791	20	22	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11240	Grosvenor Road / Rathgar Road	864	947	53	66	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11256	Rathgar Road / Grosvenor Road / Rathgar Road	645	782	36	44	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11293	Rathgar Road / Frankfort Avenue / Leicester Avenue / Rathgar Road	641	794	41	49	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11264	Rathgar Avenue / Rathgar Avenue / Garville Avenue / Garville Avenue Upper	403	462	29	28	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11278	Kenilworth Square South / Rathgar Avenue / Rathgar Avenue	429	548	17	17	≤85%	≤85%	Negligible

Table 18: 2028 PM Junction Analysis

Road Name	NavTeq	Road Sensitivity	Junction ID	Junction Name	Peak Hour Traffic Flows		Max Volume over Capacity Ratio (%)		Ranges		Impact
					DoMinimum Flows	DoSomething Flows	DoMinimum VoC	DoSomething VoC	DoMinimum VoC	DoSomething VoC	
Cornmarket	3	Low	6106	Cornmarket / Back Lane / Cornmarket / Bridge Street Upper	1662	1784	19	21	≤85%	≤85%	Negligible
Cornmarket	3	Low	6401	Cornmarket / Cornmarket / Bridge Street Upper	2085	2221	53	55	≤85%	≤85%	Negligible
South Circular Road	4	Medium	6220	South Circular Road / Clanbrassil Street Lower / Clanbrassil Street Upper / South Circular Road	2366	1899	100	97	85% - 100%	85% - 100%	Negligible
South Circular Road	4	Medium	7209	South Circular Road / Raymond Street / South Circular Road	961	1119	35	41	≤85%	≤85%	Negligible
Long Lane	5	High	6170	Heytesbury Street / Camden Row / Long Lane / New Bride Street	642	752	17	16	≤85%	≤85%	Negligible
Cornmarket	3	Low	6182	Lamb Alley / Cornmarket / Cornmarket	959	1144	15	16	≤85%	≤85%	Negligible
Cornmarket	3	Low	6413	Cornmarket	1286	1494	28	30	≤85%	≤85%	Negligible
High Street	5	High	6200	High Street / Nicholas Street / St Michaels Hill / Clanbrassil Street Upper / Christchurch Place	2518	2488	56	62	≤85%	≤85%	Negligible
Cornmarket	3	Low	6428	Cornmarket / Thomas Street / St Augustine Street / Francis Street	1305	1509	53	64	≤85%	≤85%	Negligible
Marrowbone Lane	4	Medium	7142	Marrowbone Lane / Summer Street South / Marrowbone Lane	580	713	27	31	≤85%	≤85%	Negligible
Marrowbone Lane	4	Medium	7152	Forbes Lane / Marrowbone Lane / Marrowbone Lane	632	769	30	37	≤85%	≤85%	Negligible
Marrowbone Lane	4	Medium	7171	Marrowbone Lane / Pimlico / Marrowbone Lane	858	911	40	37	≤85%	≤85%	Negligible
South Circular Road	4	Medium	7208	South Circular Road / St Albans Road / South Circular Road	1127	1284	32	37	≤85%	≤85%	Negligible
South Circular Road	4	Medium	7213	Washington Street / South Circular Road / South Circular Road	1009	1166	40	48	≤85%	≤85%	Negligible
South Circular Road	4	Medium	7210	Donore Avenue / Donore Avenue / South Circular Road / South Circular Road	1360	1525	84	88	≤85%	85% - 100%	Low
South Circular Road	4	Medium	7258	Dufferin Avenue / South Circular Road / South Circular Road	1111	1247	47	46	≤85%	≤85%	Negligible
Thomas Street	3	Low	7227	Thomas Street / Meath Street / Thomas Street	1170	1340	63	85	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8103	Sundrive Road / Sundrive Road / Clogher Road / Clogher Road	1861	1963	87	88	85% - 100%	85% - 100%	Negligible
Clogher Road	4	Medium	8138	Clogher Road / Clogher Road / Clogher Road	666	897	19	29	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8385	Clogher Road / Clogher Road / Clogher Road	945	1051	24	26	≤85%	≤85%	Negligible
Kildare Road	5	High	8107	Clonard Road / Clonard Road / Kildare Road / Kildare Road	1190	1516	46	62	≤85%	≤85%	Negligible
Kildare Road	5	High	8157	Kildare Road / Monasterboice Road / Kildare Road / Kildare Road	800	1039	23	30	≤85%	≤85%	Negligible
Kildare Road	5	High	8540	Cashel Road / Kildare Road / Kildare Road	1260	1573	59	83	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8112	Bangor Road / Bangor Road / Stannaway Road / Stannaway Road	391	592	14	23	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8146	Stannaway Road / Sundrive Road	1482	1368	102	102	>100%	>100%	Negligible
Stannaway Road	4	Medium	8114	Clonard Road / Stannaway Road / Clonard Road / Stannaway Road	240	515	7	15	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8559	Stannaway Road / Stannaway Drive / Stannaway Road	278	546	10	14	≤85%	≤85%	Negligible
Cashel Road	5	High	8118	Cashel Road / Armagh Road / Cashel Road / Armagh Road	962	1274	51	71	≤85%	≤85%	Negligible
Cashel Road	5	High	8310	Stannaway Road / Cashel Road / Cashel Road / Stannaway Road	320	683	13	25	≤85%	≤85%	Negligible
Armagh Road	5	High	8213	Captains Road / Captains Road / Armagh Road / St Agnes Park	896	1090	52	58	≤85%	≤85%	Negligible
Cashel Road	5	High	8541	Cashel Road / Derry Road / Cashel Road	967	1282	34	46	≤85%	≤85%	Negligible
Harolds Cross Road	3	Low	8121	Harolds Cross Road / Leinster Road / Harolds Cross Road	997	1166	68	78	≤85%	≤85%	Negligible
Harolds Cross Road	3	Low	8122	Harolds Cross Road / Harolds Cross Road / Harolds Cross Road / Parkview Avenue	979	1208	66	73	≤85%	≤85%	Negligible
Harolds Cross Road	3	Low	8150	Harolds Cross Road / Tivoli Avenue / Harolds Cross Road	902	1077	61	71	≤85%	≤85%	Negligible
Harolds Cross Road	3	Low	8152	Harolds Cross Road / Leinster Road West / Harolds Cross Road	1002	1212	59	69	≤85%	≤85%	Negligible
Kenilworth Park	4	Medium	8413	Kenilworth Park / Clareville Road / Kenilworth Park	744	1046	51	48	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11229	Brighton Avenue / Rathgar Avenue / Rathgar Avenue	600	791	17	25	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8131	Clareville Road / Shanid Road / Clareville Road	696	885	20	28	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8132	Clareville Road / Priors Road / Clareville Road	658	854	18	25	≤85%	≤85%	Negligible
Adrian Avenue	5	High	8148	Westfield Road / Clareville Road / Clareville Road	713	947	21	30	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8133	Larkfield Grove / Larkfield Grove / Larkfield Park / Clareville Road	647	838	18	25	≤85%	≤85%	Negligible

Road Name	NavTeq	Road Sensitivity	Junction ID	Junction Name	Peak Hour Traffic Flows		Max Volume over Capacity Ratio (%)		Ranges		Impact
					DoMinimum Flows	DoSomething Flows	DoMinimum VoC	DoSomething VoC	DoMinimum VoC	DoSomething VoC	
Larkfield Park	4	Medium	8415	Larkfield Gardens / Larkfield Avenue / Larkfield Avenue / Larkfield Park	737	996	18	26	≤85%	≤85%	Negligible
Kildare Road	5	High	8137	Bangor Road / Bangor Road / Kildare Road / Kildare Road	720	957	51	69	≤85%	≤85%	Negligible
Kildare Road	5	High	8144	Kildare Road / Clogher Road / Kildare Road	720	956	24	31	≤85%	≤85%	Negligible
Kildare Road	5	High	8376	Clogher Road / Kildare Road / Kildare Road	518	665	63	88	≤85%	85% - 100%	Low
Clogher Road	4	Medium	8171	Aughavannagh Road / Clogher Road / Clogher Road	844	936	26	26	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8172	Rutland Avenue / Clogher Road / Clogher Road / Rutland Avenue	983	1094	23	26	≤85%	≤85%	Negligible
St Agnes Park	5	High	8214	Stannaway Avenue / St Agnes Park / St Agnes Park	835	1023	28	33	≤85%	≤85%	Negligible
St Agnes Park	5	High	8300	St Agnes Road / St Agnes Road / St Agnes Park	1229	1354	89	88	85% - 100%	85% - 100%	Negligible
Harolds Cross Road	3	Low	8265	Harolds Cross Road / Harolds Cross Road / Harolds Cross Road	1732	1160	64	77	≤85%	≤85%	Negligible
Lorcan O'Toole Park	4	Medium	8291	Kimmage Road West / Kimmage Road West / Lorcan O'Toole Park / Shelton Grove	1167	1071	54	46	≤85%	≤85%	Negligible
Lorcan O'Toole Park	4	Medium	8412	Park Crescent / Lorcan O'Toole Park / Stannaway Avenue	261	385	8	13	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8296	Captains Road / Captains Road / Lorcan O'Toole Park / Stannaway Road	240	361	11	20	≤85%	≤85%	Negligible
St Agnes Road	4	Medium	8411	St Agnes Road / Cromwellsfort Road / Kimmage Road West / Whitehall Road West	2161	2236	102	102	>100%	>100%	Negligible
Cashel Road	5	High	8554	Cashel Road / Cashel Avenue / Cashel Road	86	322	3	14	≤85%	≤85%	Negligible
Cashel Road	5	High	8311	Cashel Road / Captains Road / Ravensdale Park	35	274	1	11	≤85%	≤85%	Negligible
Cashel Road	5	High	8555	Cashel Road / Cashel Road / Cashel Road	35	266	1	11	≤85%	≤85%	Negligible
Ravensdale Park	5	High	8557	Ravensdale Park / Ravensdale Park / Ravensdale Park	147	379	13	14	≤85%	≤85%	Negligible
Larkfield Avenue	5	High	8323	Kimmage Road Lower / Sundrive Road / Larkfield Avenue / Kimmage Road Lower	1937	1195	87	84	85% - 100%	≤85%	Low Positive
Ravensdale Park	5	High	8325	Ravensdale Park / Rathland Road / Poddle Park / Ravensdale Park	219	379	6	16	≤85%	≤85%	Negligible
Ravensdale Park	5	High	8388	Kimmage Road Lower / Ravensdale Park / Kimmage Road Lower	1267	429	60	79	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9113	Whitehall Road West / Hillsbrook Avenue / Whitehall Road West	498	708	22	26	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9104	Whitehall Road West / Whitehall Road West / Rockfield Avenue	576	768	23	27	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9119	Whitehall Road West / Millgate Drive / Whitehall Road West	585	771	28	34	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9120	Whitehall Road West / Greentrees Park / Whitehall Road West	582	772	22	26	≤85%	≤85%	Negligible
Templeville Road	2	Negligible	9109	Templeville Road / Templeville Road / Templeville Road	796	890	27	29	≤85%	≤85%	Negligible
Templeville Road	2	Negligible	9139	Templeville Road / Glendown Road / Templeville Road	996	1063	93	97	85% - 100%	85% - 100%	Negligible
Whitehall Road West	4	Medium	9112	Wellington Road / Whitehall Road West / Whitehall Road	718	743	54	57	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9181	Whitehall Road West / Limekiln Lane / Whitehall Road West	425	620	35	42	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9260	Muckcross Avenue	562	752	19	23	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11223	Rathgar Road / Rathgar Road / Garville Avenue	990	1111	62	69	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11310	Garville Road / Rathgar Road / Rathgar Road	907	1030	57	64	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11240	Grosvenor Road / Rathgar Road	1221	1226	71	82	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11256	Rathgar Road / Grosvenor Road / Rathgar Road	919	1052	55	63	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11293	Rathgar Road / Frankfort Avenue / Leicester Avenue / Rathgar Road	907	1076	61	69	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11264	Rathgar Avenue / Rathgar Avenue / Garville Avenue / Garville Avenue Upper	589	685	36	41	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11278	Kenilworth Square South / Rathgar Avenue / Rathgar Avenue	558	763	16	19	≤85%	≤85%	Negligible
Terenure Road East	3	Low	11277	Terenure Road East / Brighton Road / Terenure Road East	1033	1110	60	66	≤85%	≤85%	Negligible
Terenure Road East	3	Low	11331	Highfield Road / Terenure Road East / Orwell Road / Rathgar Avenue	2038	2109	76	71	≤85%	≤85%	Negligible

Table 19: 2043 PM Junction Analysis

Road Name	NavTeq	Road Sensitivity	Junction ID	Junction Name	Peak Hour Traffic Flows		Max Volume over Capacity Ratio (%)		Ranges		Description of Impact
					DoMinimum Flows	DoSomething Flows	DoMinimum VoC	DoSomething VoC	DoMinimum VoC	DoSomething VoC	
Cornmarket	3	Low	6106	Cornmarket / Back Lane / Cornmarket / Bridge Street Upper	1715	1694	21	22	≤85%	≤85%	Negligible
Cornmarket	3	Low	6401	Cornmarket / Cornmarket / Bridge Street Upper	2023	2032	41	37	≤85%	≤85%	Negligible
South Circular Road	4	Medium	6220	South Circular Road / Clanbrassil Street Lower / Clanbrassil Street Upper / South Circular Road	2140	1697	89	89	85% - 100%	85% - 100%	Negligible
South Circular Road	4	Medium	7209	South Circular Road / Raymond Street / South Circular Road	878	953	30	33	≤85%	≤85%	Negligible
Long Lane	5	High	6170	Heytesbury Street / Camden Row / Long Lane / New Bride Street	453	575	12	12	≤85%	≤85%	Negligible
Cornmarket	3	Low	6182	Lamb Alley / Cornmarket / Cornmarket	681	803	9	11	≤85%	≤85%	Negligible
Cornmarket	3	Low	6413	Cornmarket	913	1056	23	25	≤85%	≤85%	Negligible
High Street	5	High	6200	High Street / Nicholas Street / St Michaels Hill / Clanbrassil Street Upper / Christchurch Place	2462	2326	116	116	>100%	>100%	Negligible
Cornmarket	3	Low	6428	Cornmarket / Thomas Street / St Augustine Street / Francis Street	894	1036	45	53	≤85%	≤85%	Negligible
Marrowbone Lane	4	Medium	7142	Marrowbone Lane / Summer Street South / Marrowbone Lane	427	505	19	21	≤85%	≤85%	Negligible
Marrowbone Lane	4	Medium	7152	Forbes Lane / Marrowbone Lane / Marrowbone Lane	481	553	16	18	≤85%	≤85%	Negligible
Marrowbone Lane	4	Medium	7171	Marrowbone Lane / Pimlico / Marrowbone Lane	728	741	35	32	≤85%	≤85%	Negligible
South Circular Road	4	Medium	7208	South Circular Road / St Albans Road / South Circular Road	992	1066	27	30	≤85%	≤85%	Negligible
South Circular Road	4	Medium	7213	Washington Street / South Circular Road / South Circular Road	914	988	35	38	≤85%	≤85%	Negligible
South Circular Road	4	Medium	7210	Donore Avenue / Donore Avenue / South Circular Road / South Circular Road	1274	1334	77	77	≤85%	≤85%	Negligible
South Circular Road	4	Medium	7258	Dufferin Avenue / South Circular Road / South Circular Road	973	1051	28	31	≤85%	≤85%	Negligible
Thomas Street	3	Low	7227	Thomas Street / Meath Street / Thomas Street	806	945	48	62	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8103	Sundrive Road / Sundrive Road / Clogher Road / Clogher Road	1380	1465	54	53	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8138	Clogher Road / Clogher Road / Clogher Road	432	641	11	17	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8385	Clogher Road / Clogher Road / Clogher Road	746	906	21	27	≤85%	≤85%	Negligible
Kildare Road	5	High	8107	Clonard Road / Clonard Road / Kildare Road / Kildare Road	925	1203	45	59	≤85%	≤85%	Negligible
Kildare Road	5	High	8157	Kildare Road / Monasterboice Road / Kildare Road / Kildare Road	562	775	13	20	≤85%	≤85%	Negligible
Kildare Road	5	High	8540	Cashel Road / Kildare Road / Kildare Road	992	1255	59	85	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8112	Bangor Road / Bangor Road / Stannaway Road / Stannaway Road	354	498	13	19	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8146	Stannaway Road / Sundrive Road	1121	1007	100.2	102	>100%	>100%	Low
Stannaway Road	4	Medium	8114	Clonard Road / Stannaway Road / Clonard Road / Stannaway Road	216	426	7	12	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8559	Stannaway Road / Stannaway Drive / Stannaway Road	249	455	8	12	≤85%	≤85%	Negligible
Cashel Road	5	High	8118	Cashel Road / Armagh Road / Cashel Road / Armagh Road	764	1026	33	46	≤85%	≤85%	Negligible
Cashel Road	5	High	8310	Stannaway Road / Cashel Road / Cashel Road / Stannaway Road	277	474	13	21	≤85%	≤85%	Negligible
Armagh Road	5	High	8213	Captains Road / Captains Road / Armagh Road / St Agnes Park	697	967	34	45	≤85%	≤85%	Negligible
Cashel Road	5	High	8541	Cashel Road / Derry Road / Cashel Road	763	1024	23	30	≤85%	≤85%	Negligible
Harolds Cross Road	3	Low	8121	Harolds Cross Road / Leinster Road / Harolds Cross Road	884	1072	61	71	≤85%	≤85%	Negligible
Harolds Cross Road	3	Low	8122	Harolds Cross Road / Harolds Cross Road / Harolds Cross Road / Parkview Avenue	866	1099	60	66	≤85%	≤85%	Negligible
Harolds Cross Road	3	Low	8150	Harolds Cross Road / Tivoli Avenue / Harolds Cross Road	810	1003	56	64	≤85%	≤85%	Negligible
Harolds Cross Road	3	Low	8152	Harolds Cross Road / Leinster Road West / Harolds Cross Road	872	1051	54	56	≤85%	≤85%	Negligible
Kenilworth Park	4	Medium	8413	Kenilworth Park / Clareville Road / Kenilworth Park	493	689	32	29	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11229	Brighton Avenue / Rathgar Avenue / Rathgar Avenue	456	594	13	20	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8131	Clareville Road / Shanid Road / Clareville Road	466	591	13	18	≤85%	≤85%	Negligible

Road Name	NavTeq	Road Sensitivity	Junction ID	Junction Name	Peak Hour Traffic Flows		Max Volume over Capacity Ratio (%)		Ranges		Description of Impact
					DoMinimum Flows	DoSomething Flows	DoMinimum VoC	DoSomething VoC	DoMinimum VoC	DoSomething VoC	
Clareville Road	4	Medium	8132	Clareville Road / Priory Road / Clareville Road	435	569	12	16	≤85%	≤85%	Negligible
Adrian Avenue	5	High	8148	Westfield Road / Clareville Road / Clareville Road	476	628	14	19	≤85%	≤85%	Negligible
Clareville Road	4	Medium	8133	Larkfield Grove / Larkfield Grove / Larkfield Park / Clareville Road	430	559	11	16	≤85%	≤85%	Negligible
Larkfield Park	4	Medium	8415	Larkfield Gardens / Larkfield Avenue / Larkfield Avenue / Larkfield Park	473	656	12	16	≤85%	≤85%	Negligible
Kildare Road	5	High	8137	Bangor Road / Bangor Road / Kildare Road / Kildare Road	453	656	28	43	≤85%	≤85%	Negligible
Kildare Road	5	High	8144	Kildare Road / Clogher Road / Kildare Road	453	656	12	19	≤85%	≤85%	Negligible
Kildare Road	5	High	8376	Clogher Road / Kildare Road / Kildare Road	257	345	29	45	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8171	Aughavannagh Road / Clogher Road / Clogher Road	685	817	19	24	≤85%	≤85%	Negligible
Clogher Road	4	Medium	8172	Rutland Avenue / Clogher Road / Clogher Road / Rutland Avenue	768	929	18	24	≤85%	≤85%	Negligible
St Agnes Park	5	High	8214	Stannaway Avenue / St Agnes Park / St Agnes Park	704	935	19	27	≤85%	≤85%	Negligible
St Agnes Park	5	High	8300	St Agnes Road / St Agnes Road / St Agnes Park	1037	1264	61	75	≤85%	≤85%	Negligible
Harolds Cross Road	3	Low	8265	Harolds Cross Road / Harolds Cross Road / Harolds Cross Road	1618	1073	58	69	≤85%	≤85%	Negligible
Lorcan O'Toole Park	4	Medium	8291	Kimmage Road West / Kimmage Road West / Lorcan O'Toole Park / Shelton Grove	861	797	43	36	≤85%	≤85%	Negligible
Lorcan O'Toole Park	4	Medium	8412	Park Crescent / Lorcan O'Toole Park / Stannaway Avenue	208	295	7	11	≤85%	≤85%	Negligible
Stannaway Road	4	Medium	8296	Captains Road / Captains Road / Lorcan O'Toole Park / Stannaway Road	205	265	10	16	≤85%	≤85%	Negligible
St Agnes Road	4	Medium	8411	St Agnes Road / Cromwellsfort Road / Kimmage Road West / Whitehall Road West	1747	1878	102	102	>100%	>100%	Negligible
Cashel Road	5	High	8554	Cashel Road / Cashel Avenue / Cashel Road	59	193	3	7	≤85%	≤85%	Negligible
Cashel Road	5	High	8311	Cashel Road / Captains Road / Ravensdale Park	24	154	1	6	≤85%	≤85%	Negligible
Cashel Road	5	High	8555	Cashel Road / Cashel Road / Cashel Road	24	155	1	6	≤85%	≤85%	Negligible
Ravensdale Park	5	High	8557	Ravensdale Park / Ravensdale Park / Ravensdale Park	105	233	9	10	≤85%	≤85%	Negligible
Larkfield Avenue	5	High	8323	Kimmage Road Lower / Sundrive Road / Larkfield Avenue / Kimmage Road Lower	1552	835	79	55	≤85%	≤85%	Negligible
Ravensdale Park	5	High	8325	Ravensdale Park / Rathland Road / Poddle Park / Ravensdale Park	172	233	4	9	≤85%	≤85%	Negligible
Ravensdale Park	5	High	8388	Kimmage Road Lower / Ravensdale Park / Kimmage Road Lower	1163	284	61	45	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9113	Whitehall Road West / Hillsbrook Avenue / Whitehall Road West	412	616	18	22	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9104	Whitehall Road West / Whitehall Road West / Rockfield Avenue	482	674	18	22	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9119	Whitehall Road West / Millgate Drive / Whitehall Road West	502	696	19	26	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9120	Whitehall Road West / Greentreess Park / Whitehall Road West	483	675	18	22	≤85%	≤85%	Negligible
Templeville Road	2	Negligible	9109	Templeville Road / Templeville Road / Templeville Road	773	822	28	28	≤85%	≤85%	Negligible
Templeville Road	2	Negligible	9139	Templeville Road / Glendown Road / Templeville Road	916	965	95	95	85% - 100%	85% - 100%	Negligible
Whitehall Road West	4	Medium	9112	Wellington Road / Whitehall Road West / Whitehall Road	702	721	54	58	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9181	Whitehall Road West / Limekiln Lane / Whitehall Road West	352	546	28	37	≤85%	≤85%	Negligible
Whitehall Road West	4	Medium	9260	Muckcross Avenue	483	675	15	20	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11223	Rathgar Road / Rathgar Road / Garville Avenue	790	880	43	47	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11310	Garville Road / Rathgar Road / Rathgar Road	736	827	40	46	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11240	Grosvenor Road / Rathgar Road	998	1009	71	83	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11256	Rathgar Road / Grosvenor Road / Rathgar Road	766	860	45	51	≤85%	≤85%	Negligible
Rathgar Road	3	Low	11293	Rathgar Road / Frankfort Avenue / Leicester Avenue / Rathgar Road	734	843	43	47	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11264	Rathgar Avenue / Rathgar Avenue / Garville Avenue / Garville Avenue Upper	428	496	30	34	≤85%	≤85%	Negligible
Rathgar Avenue	4	Medium	11278	Kenilworth Square South / Rathgar Avenue / Rathgar Avenue	428	573	13	16	≤85%	≤85%	Negligible

Road Name	NavTeq	Road Sensitivity	Junction ID	Junction Name	Peak Hour Traffic Flows		Max Volume over Capacity Ratio (%)		Ranges		Description of Impact
					DoMinimum Flows	DoSomething Flows	DoMinimum VoC	DoSomething VoC	DoMinimum VoC	DoSomething VoC	
Terenure Road East	3	Low	11277	Terenure Road East / Brighton Road / Terenure Road East	794	875	48	57	≤85%	≤85%	Negligible
Terenure Road East	3	Low	11331	Highfield Road / Terenure Road East / Orwell Road / Rathgar Avenue	1632	1700	52	58	≤85%	≤85%	Negligible