



Priority 1: Issue
No cycle facilities have been provided for right turning cyclists at the Blackthorn Drive/Blackthorn Road and Blackthorn Drive/Carmanhall Road signalised junctions with cyclists identified waiting on pedestrian footpath at pedestrian crossing.

Recommendation
Revise junctions to provide facilities for right turning cyclist at both junctions. Additionally, a shared use surface should be considered to allow cyclists to continue on the southern verge of Blackthorn Drive to access the Beacon shopping centre.

Priority 1: Issue
Toucan crossings are provided on each arm of the Drummartin Link Road/ Blackthorn Drive signalised junction. However, insufficient width is provided within the central island.

Recommendation
This junction is revised as part of the proposed Kilgobbin/Drumartin Link Road scheme.

Priority 1: Issue
The existing arrangement does not allow for cyclists from Arena Road to turn right onto Burton Hall Road where several cyclists were identified cycling within the grass verge on the southern side of Burton Hall Road.

Recommendation
Provide two-way cycle facilities on Burton Hall Road and a controlled crossing for pedestrians and cyclists at the Arena Road/Burton Hall Road junction.



Priority 1: Issue
No facilities provided for cyclists attempting to access the ESB arm of the roundabout. Cyclists may attempt to use the pedestrian crossing on the eastern arm and continue on the existing footpath.

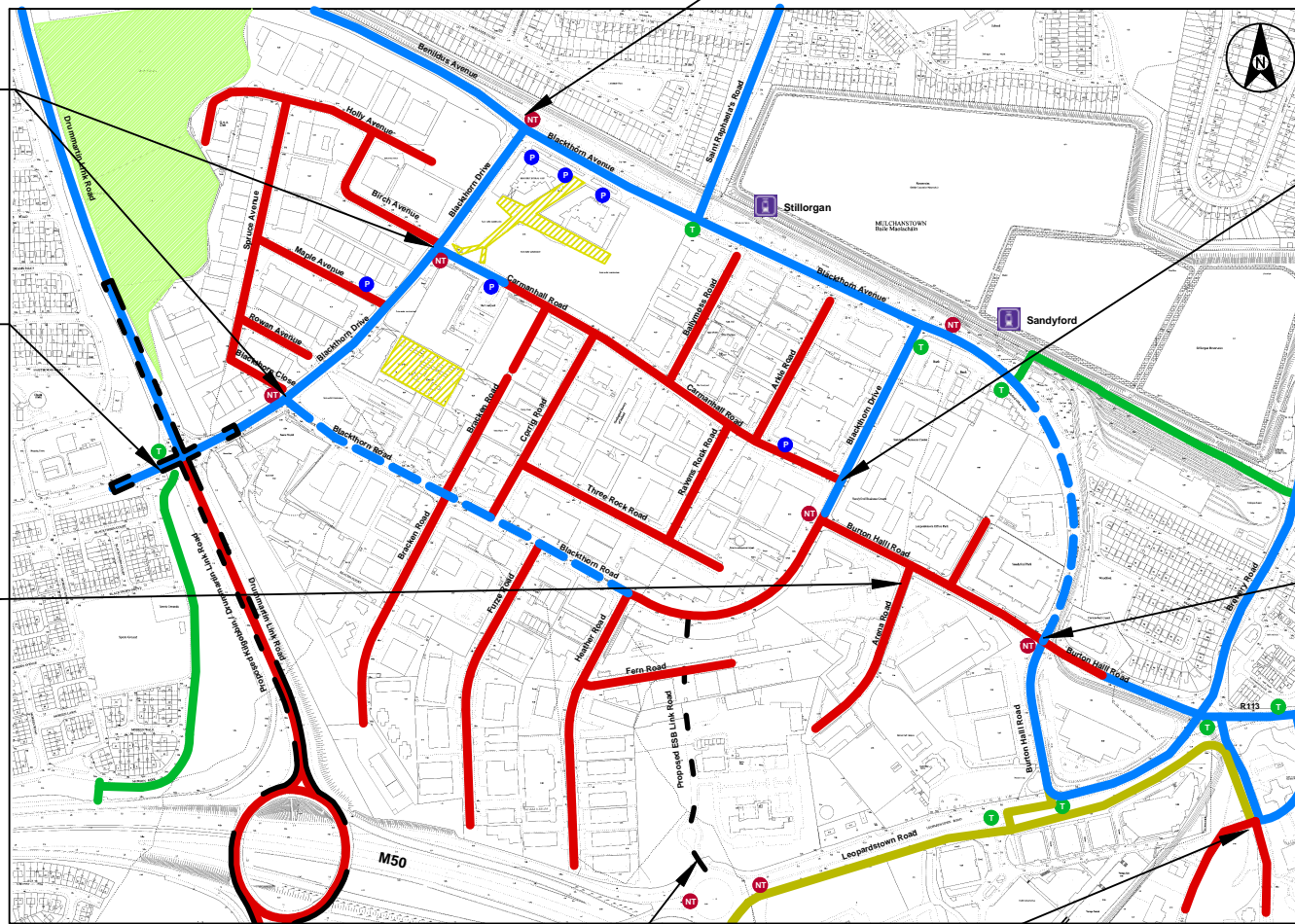
Recommendation
This will be addressed as part of the ESB Link Road scheme.



Blackthorn Drive/Benildus Avenue Signalised Junction

Priority 2: Issue 1
No signal for right turning cyclist.
Recommendation
Provide signal phase and a detector loop for right turning cyclists.

Priority 2: Issue 2
Cyclists travelling west on Blackthorn Drive must move into running carriageway as a result of island located within cycle path.
Recommendation
Set back the island providing continuous cycle facilities through the junction.



Priority 2: Issue
Insufficient facilities have been provided for cyclists traveling between the northern and southern arms of the junction. There is limited visibility to vehicles approaching from the south for cyclists wishing to continue east from Maple House arm of the junction.

Recommendation
The junction layout should be revised to provide continuous cycle facilities through the junction for cyclists. Additionally, toucan crossings should be provided on the northern and eastern arms of the junction.



Priority 2: Issue
A cycle track is provided for southbound cyclists on Blackthorn Road and does not provide a ramp to access the lower level of the running carriageway resulting in cyclists unable to turn right onto Carmanhall road.

Recommendation
Provide ramps and a cycle lane on the eastern verge of Blackthorn Road at its junction with Carmanhall Road.



Burton Hall Road/Blackthorn Avenue Signalised Junction

Priority 1: Issue 1
Shared surface provided at junction without the provision of toucan crossings.

Recommendation
Provide toucan crossing on each arm of the junction. Additionally, provide additional cycle facilities at the junction to tie in with existing facilities.



Priority 1: Issue 2
A cycle track is provided for cyclists travelling north towards the junction with a shared surface at the junction and no warning of end of cycle facilities. Without the provision of toucan crossings and no continued facilities, cyclists may become confused at the junction. Additionally, several cyclists were identified cycling along the grass verge on the southern verge of western arm of the junction.

Recommendation
Provide toucan crossing on each arm of the junction. Additionally, provide cycle facilities along Burton Hall Road between its junction with Blackthorn Avenue and Blackthorn Drive.



Priority 2: Issue 3
Cyclists identified not using existing cycle facilities on the northern arm of the junction and continuing through the junction in the running carriageway where there is insufficient space.

Recommendation
Revise cycle facilities along Blackthorn avenue to encourage use by cyclists. Additionally, revise the junction layout to provide continuous cycle lanes through the junction and facilities for right turning cyclists.

Legend

- Two-way cycle facilities
- Cycle facilities on both sides
- Cycle facilities on one side
- No Cycle facilities
- Cycle facilities through public area
- - Proposed scheme
- Shared use area with bicycle bays
- Luas Stop with bicycle racks
- Sports ground
- T Toucan crossing provided
- NT No toucan crossing provided
- P Roadside cycle stands



Client:



Rev.	Comment	Date
3.0	Final	07/03/19
2.0	Draft	06/09/18
1.0	Draft	03/09/18

Notes:

- 1 Do Not Scale - use figured dimensions only.
- 2 Drawing is the property of PMCE Ltd.
3. OS Map is property of Sandyford Business District

Project:

**Sandyford Business District
Cycle Infrastructure Review**

Drawing Title:

Issues at Junctions

Drawn:

MAH

Checked:

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