Roundabout Design Checklist - Compliance with TD 16/07

Auditor: Martin Crabtree
Date: 20/09/2013
Job No: 08-241
Drawing: 08/241/TR/026 Rev A
Design Check Drawing 08/241/PL/001 Rev A
Title: Design Check of Proposed Compact Roundabout

Design Feature	Design Requirements	Arm A	Arm B	Arm C	Arm D
* (v)	2.0 to 7.3 m	3.1	3.2	3.3	2.9
Entry Width (e)	3.0 to 10.5 m	5.1	4.4	4.5	3.8
Entry Radius* (r)	6 to 100 m (20 m ideal)	10.0	20.0	15.0	20.0
ICD* (D)	> 28 m	28.0	28.0	28.0	28.0
Entry Path Curvature (Deflection)	< 70 m Radius	23.3	61.4	99.8	69.3
Circulatory Carriageway (circ carr)	Maxiumum Width = 6 m 1.0 to 1.2 x max entry width	5.4	5.4	5.4	5.4
Exit Radius*	15 to 20 m	20.0	20.0	12.0	10.0
Exit Width* (exit w)	Similar to entry width	4.1	4.4	4.4	3.5

Naming Convention

Arm A Barnsley Road
Arm B New Link Road
Arm C Claycliffe Road
Arm D Barugh Lane

Key:

Complies with Standard
Close to Complying with Standard
Does Not Complying with Standard

* Not all check boxes above are 'Black Boxed' within TD 16/07 but 'Best Practice'