

Junction Assessment Tool (JAT)

Project:	Great Chesterford Design			Risk categories:				
Compiled by:	Rosemary Wilkins, Ameera Bandali, Margarita Ivanova			0	where conditions exist that are most likely to give rise to the most common collision type			
Document ref:	14481			1	where the risk of those collision types has been reduced by design layout or traffic management interventions			
Date Updated:	06/03/2023			2	where the potential for collisions has been removed entirely			
JAT No.	Arm	Movement	Score	Junction_reason_TandX	Score	%	Junction_improve	Completed by
1. London Road - Station Road Junction	London rd NB to SB	Ahead	2	5. Cycle movement made via crossing of major arm with dedicated cycle signals or cycle priority	10/10	100.00	New parallel signals crossing New parallel signals crossing Tighten junction geometry Tighten junction geometry Tighten junction geometry	AB
	London rd SB to Station rd	Right	2	5. Cycle movement made via crossing of major arm with dedicated cycle signals or cycle priority				
	Station rd to London rd NB	Left	2	7. Off-carriageway cycle track or stepped cycle track alongside major arm, crossing minor arm with priority over turning traffic				
	London rd SB to NB	Ahead	2	7. Off-carriageway cycle track or stepped cycle track alongside major arm, crossing minor arm with priority over turning traffic				
	Station rd to London rd SB	Right	2	7. Off-carriageway cycle track or stepped cycle track alongside major arm, crossing minor arm with priority over turning traffic				
2. London Road - High Street Junction	London rd NB to SB	Ahead	2	7. Off-carriageway cycle track or stepped cycle track alongside major arm, crossing minor arm with priority over turning traffic	12/12	100.00	All junctions - Cycle bypasses junction - good quality segregation Tighten junction geometry Tighten junction geometry	AB
	London rd to High Street	Right	2	6. Central refuge allowing two-stage cycle movement crossing one traffic lane at a time				
	London rd to High Street	Left	2	6. Central refuge allowing two-stage cycle movement crossing one traffic lane at a time				
	London rd SB to NB	Ahead	2	7. Off-carriageway cycle track or stepped cycle track alongside major arm, crossing minor arm with priority over turning traffic				
	High Street to London Rd	Right	2	6. Central refuge allowing two-stage cycle movement crossing one traffic lane at a time				
	High Street to London Road	Left	2	6. Central refuge allowing two-stage cycle movement crossing one traffic lane at a time				
3 Junction London Road and Mill Lane	Mill Lane direction West	Ahead	2	7. Off-carriageway cycle track or stepped cycle track alongside major arm, crossing minor arm with priority over turning traffic	23/24	96	Share with traffic Share with traffic Share with traffic	MMI
		Right	2	8. Cycle movement made via crossing of major arm via dedicated cycle signals or cycle priority.				
		Left	2	1. Low traffic speed & volume, mixed traffic environment - access only residential St				
	Mill Lane direction East	Ahead	2	1. Low traffic speed & volume, mixed traffic environment - access only residential St			Tighten junction geometry Tighten junction geometry Tighten junction geometry	
		Right	2	1. Low traffic speed & volume, mixed traffic environment - access only residential St				
		Left	2	8. Cycle movement made via crossing of major arm via dedicated cycle signals or cycle priority.				
	High Street	Ahead	1	1.Cycle movement in potential conflict with moderate traffic flow			Share with traffic Share with traffic Share with traffic	
		Right	2	4. Continuous footway and cycle track across minor arm.				
		Left	2	6. Cycle movement made via crossing of major arm via dedicated cycle signals or cycle priority.				
	London Road	Ahead	2	3. Cycle movement bypasses junction completely, including good quality grade separation.			New parallel zebra crossing New parallel zebra crossing Kerb segregated 2 way cycle track	
		Right	2	6. Cycle movement made via crossing of major arm via dedicated cycle signals or cycle priority.				
		Right	2	2. Cycle movement separated physically and/or in time from motor traffic and pedestrians.				
4 Junction London Road and Spring Hill	London Road direction South	Ahead	2	2. Cycle movement separated physically and/or in time from motor traffic and pedestrians.	9/12	75	Kerb segregated 2 way cycle track Tighten junction geometry	MMI
		Ahead	1	4. Cycle movement made by transiting onto section of shared use footway				
	London Road direction North	Right	1	1.Cycle movement in potential conflict with moderate traffic flow			Tighten junction geometry Tighten junction geometry	
		Left	1	5. Side road entry treatment (table across minor arm).				
	Spring Hill	Right	2	1. Low traffic speed & volume, mixed traffic environment - access only residential St			Tighten junction geometry	
		Ahead	2	1. Low traffic speed & volume, mixed traffic environment - access only residential St				
	5 Junction Audley End Road and Wenden Road	Audley End Road direction East	Right	1			11. Protected pocket refuge for ahead cycles allowing two stage movement, crossing one lane at a time	
Left			2	5. Cycle movement made via crossing of major arm with dedicated cycle signals or cycle priority				
Audley End Road direction West		Ahead	2	2. Cycle movement separated physically and/or in time from motor traffic and pedestrians.	Existing parallel routes available All junctions - Cycle bypasses junction - good quality segregation			
		Left	1	11. Protected pocket refuge for ahead cycles allowing two stage movement, crossing one lane at a time				
Wenden Road		Right	1	11. Protected pocket refuge for ahead cycles allowing two stage movement, crossing one lane at a time	All junctions - Cycle bypasses junction - good quality segregation All junctions - Cycle bypasses junction - good quality segregation All junctions - Cycle bypasses junction - good quality segregation			
		Left	1	11. Protected pocket refuge for ahead cycles allowing two stage movement, crossing one lane at a time				
		Left	1	11. Protected pocket refuge for ahead cycles allowing two stage movement, crossing one lane at a time				

JOIN THE MOVEMENT

