

Table 7-4: Highway Impact Assessment for Detailed Junction Capacity Modelling

ID	AM Peak Hour (08:00-09:00)				PM Peak Hour (17:00-18:00)				Overall Assessment	Comments
	Criteria				Criteria					
	1	2	3	4	1	2	3	4		
J1	✓	✓	✗	✗	✓	✓	✓	✗	✓	Modelling Required
J2	✗	✗	✗	✗	✗	✓	✓	✗	✓	Modelling Required
J3	✓	✓	✓	✗	✗	✓	✗	✗	✓	Modelling Required
J4	✗	✓	✓	✗	✗	✓	✗	✗	✓	Modelling Required
J5	✗	✓	✗	✗	✗	✓	✗	✗	✗	Refer to Note 1
J6	✗	✓	✓	✗	✗	✓	✓	✗	✓	Modelling Required
J7	✗	✓	✗	✗	✗	✗	✗	✗	✗	Does not meet modelling criteria
J8	✓	✓	✓	✗	✓	✗	✓	✗	✓	Modelling Required
J9	✗	✓	✗	✗	✗	✓	✗	✗	✗	Refer to Note 1
J10	✗	✓	✗	✗	✗	✓	✗	✗	✗	Does not meet modelling criteria
J11	✗	✓	✗	✗	✗	✓	✗	✗	✗	Does not meet modelling criteria
J12	✗	✓	✗	✗	✗	✓	✗	✗	✗	Does not meet modelling criteria
J13	✗	✓	✗	✗	✗	✓	✗	✗	✗	Does not meet modelling criteria
J14	✗	✗	✗	✗	✗	✓	✗	✗	✗	Refer to Note 1
J15	✗	✓	✗	✗	✗	✓	✗	✗	✗	Does not meet modelling criteria
J16	✗	✓	✗	✗	✗	✓	✓	✗	✓	PM peak indicates increase in VoC from 87% to 90% however there is only an increase of 50 vehicles equating to 1% increase in traffic at this junction therefore it is considered that modelling of this junction is not required.
J17	✗	✓	✓	✗	✗	✗	✓	✗	✓	AM Peak indicates VoC increase of 2% from 98% to 100% however there is an increase of only 30 additional vehicles (~1%) at the junction which equates to an indiscernible 1 vehicle every two minutes. It is considered further detailed modelling is not required.
J18	✗	✓	✗	✗	✗	✓	✗	✗	✗	Does not meet modelling criteria
J19	✗	✓	✗	✗	✗	✓	✗	✗	✗	Does not meet modelling criteria
J20	✓	✗	✓	✓	✓	✓	✓	✗	✓	Modelling Required
J21	✓	✗	✓	✗	✗	✗	✗	✗	✗	Refer to Note 1
J22	✗	✗	✗	✗	✗	✗	✗	✗	✗	Does not meet modelling criteria
J23	✗	✗	✗	✗	✗	✗	✗	✗	✗	Does not meet modelling criteria
J24	✓	✗	✓	✓	✓	✓	✓	✗	✓	Modelling Required
J25	✗	✗	✗	✗	✗	✗	✗	✗	✗	Does not meet modelling criteria
J26	✗	✓	✗	✗	✗	✓	✓	✗	✓	Modelling Required
J27	✗	✓	✓	✗	✗	✓	✓	✗	✓	Modelling Required
J28	✗	✗	✗	✗	✗	✗	✗	✗	✗	Does not meet modelling criteria
J29	✗	✗	✗	✗	✗	✗	✗	✗	✗	Does not meet modelling criteria
J30	✗	✗	✓	✗	✗	✗	✓	✗	✗	Modelling Required
J31	✓	✗	✓	✗	✗	✗	✓	✗	✗	Does not meet modelling criteria
J32	✗	✗	✓	✗	✗	✗	✗	✗	✗	Does not meet modelling criteria
J33	✗	✗	✗	✗	✗	✗	✗	✗	✗	Does not meet modelling criteria

6.2.8.1 Hinckley NRFI ES Appendix 8.1 Transport Assessment Table 7-4

ID	AM Peak Hour (08:00-09:00)				PM Peak Hour (17:00-18:00)				Overall Assessment	Comments
	Criteria				Criteria					
	1	2	3	4	1	2	3	4		
J34	*	✓	✓	*	*	*	✓	*	✓	AM peak indicated increase of approximately 3% in VoC however flow change indicates reduction of total traffic at junction in WD scenario therefore this does not require modelling
J35	*	✓	*	*	*	✓	✓	*	✓	PM peak indicated increase of approximately 2% in VoC however flow change indicates reduction of total traffic at junction in WD scenario therefore this does not require modelling
J36	✓	*	*	*	✓	✓	*	*	✓	PM peak indicates reduction in VoC from 87% to 86% therefore this does not require modelling
J37	*	*	*	*	✓	*	✓	✓	✓	Modelling Required
J38	*	*	*	*	✓	*	*	*	*	Refer to Note 1
J39	✓	*	✓	✓	✓	*	✓	✓	✓	Modelling Required
J40	✓	*	✓	*	✓	*	*	*	*	Refer to Note 1
J41	✓	*	✓	✓	*	*	*	*	✓	Modelling Required
J42	*	*	*	*	*	*	*	*	*	Does not meet modelling criteria
J43	*	*	*	*	*	*	*	*	*	Does not meet modelling criteria
J44	*	✓	*	*	*	*	✓	*	*	Does not meet modelling criteria
J45	✓	*	✓	*	✓	*	✓	*	*	Refer to Note 1
J46	*	*	✓	*	*	*	*	*	*	Does not meet modelling criteria
J47	*	*	*	*	*	*	*	*	*	Does not meet modelling criteria
J48	✓	*	✓	*	✓	*	✓	*	*	Refer to Note 1
J49	*	✓	✓	*	✓	✓	*	*	✓	AM Peak: VoC increase of 6% from 83% to 89% however there is an increase of only 5 vehicles at the junction. PM Peak: Increase of only 0.2% in VoC which is negligible
J50	*	*	✓	*	*	*	*	*	*	Does not meet modelling criteria
J51	*	✓	*	*	*	✓	*	*	*	Does not meet modelling criteria
J52	✓	*	✓	*	*	*	✓	*	*	Does not meet modelling criteria
J53	*	*	*	*	*	*	*	*	*	Does not meet modelling criteria
J54	✓	*	✓	*	✓	*	✓	*	*	Does not meet modelling criteria