



West Winch Housing Access Road

Environmental Statement Chapter 16: Traffic and Transport

Appendix 16.6: Accident and Road Safety Link Sensitivity

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Contents

1	Introduction	3
1.1	Receptor Sensitivity (Road Safety).....	3



1 Introduction

1.1 Receptor Sensitivity (Road Safety)

- 1.1.1 A table showing the sensitivity of different receptors to traffic and transport effects. The value of sensitivity of a receptor (thus High, Medium, Low or Very Low) is based on the presence of sensitive receptors such as hospitals, schools, nurseries, nursing homes, a high concentration of residential dwellings and facilities and amenities, areas with high tourist footfall, significant pedestrian/cycle desire lines.
- 1.1.2 This can also be due to the lack of infrastructure such as limited separation provided by the highway environment (e.g. no footway provision / cycle provision) in an area where there are significant pedestrian / cycle desire lines. This is scored in **Table 16.5 2** of this ES (Document Reference NCC/3.16.00/WWHAR)
- 1.1.3 Some users may not be able to access all technical details. If you require this document in a more accessible format please contact westwinchhar@norfolk.gov.uk

Road Safety Overall Link Sensitivity Assessment

Key	IRAP Rating Adapted	Accident Clusters showing
High	1	2 or more killed (K) and or 5 or more serious injuries (SI)
Medium	2	1 or more killed (K) and or 5 or more serious injuries (SI)
Low	3	2 or more serious injuries (SI)
Very Low	4	5 or more slight injuries
Negligible	5	

SCENARIO

DS1

	Receptor (Sensitivity / Value / Importance)					
	High	Medium	Low	Very Low	Negligible	
(Magnitude / Probability / Reversibility etc)	High	Substantial	Substantial	Moderate	Minor	Negligible
	Medium	Substantial	Moderate	Minor	Minor	Negligible
	Low	Moderate	Minor	Minor	Negligible	Negligible
	Very Low	Minor	Minor	Negligible	Negligible	Negligible
	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible

Link ID	Params ID	Link Name	IRAP Rating	DM Sensitivity						DS Sensitivity						
				Accident Cluster Rating	Safety Sensitivity (IRAP)	Accident Cluster	Overall Safety + Accident Sensitivity	Receptor Sensitivity	Overall Sensitivity (Accident + IRAP+Receptor Sensitivity)	IRAP Rating	Accident Cluster Rating	Safety Sensitivity (IRAP)	Accident Cluster	Overall Safety + Accident Sensitivity	Receptor Sensitivity	Overall Sensitivity (Accident + IRAP Sensitivity)
1086-3001	1	A47 (West of Hardwick Roundabout)	1	1	High	High	High	Low	Medium	1	1	High	High	High	Low	Medium
1224-1086	2	A47 (Hardwick Roundabout)	1	3	High	Low	Medium	Very Low	Low	1	3	High	Low	Medium	Very Low	Low
7110-7006	3	A149 Queen Elizabeth Way	1	4	High	Very Low	Low	Very Low	Very Low	1	4	High	Very Low	Low	Very Low	Very Low
2819-1206	4	A10 West Winch Road	3	3	Low	Low	Low	Medium	Low	5	3	Negligible	Low	Very Low	Medium	Low
1224-2885	5	A47 Constitution Hill (North of New Road)	1	1	High	High	High	Very Low	Low	1	1	High	High	High	Very Low	Low
2838-2839	6	West Winch Access Road (off A47)								4	5	Very Low	Negligible	Very Low	Low	Very Low
1323-2505	7	A47 Constitution Hill (South of New Road)	1	3	High	Low	Medium	Very Low	Low	1	3	High	Low	Medium	Very Low	Low
2709-2725	8	Chapel Lane	3	5	Low	Negligible	Very Low	Medium	Low	3	5	Low	Negligible	Very Low	Medium	Low
2723-2852	9	Rectory Lane	2	5	Medium	Negligible	Very Low	Low	Very Low	4	5	Very Low	Negligible	Very Low	Low	Very Low
1328-2877	10	A10 Lynn Road (south of Rectory Lane)	3	4	Low	Very Low	Very Low	Medium	Low	4	4	Very Low	Very Low	Very Low	Medium	Low
2728-2784	11	Long Lane	2	5	Medium	Negligible	Very Low	Medium	Low	2	5	Medium	Negligible	Very Low	Medium	Low
2507-2728	12	A10 Lynn Road (south of Chequers Lane)	3	4	Low	Very Low	Very Low	Medium	Low	4	4	Very Low	Very Low	Very Low	Medium	Low
2729-2731	13	Gravelhill Lane	3	5	Low	Negligible	Very Low	Medium	Low	4	5	Very Low	Negligible	Very Low	Medium	Low
2840-2841	14	West Winch Access Road (off A10)								4	5	Very Low	Negligible	Very Low	Low	Very Low
2711-1329	15	A10 Lynn Road (North of Setch Road)	3	3	Low	Low	Low	Medium	Low	4	3	Very Low	Low	Very Low	Medium	Low
2604-2726	16	New Road (South of Rectory Lane)	2	5	Medium	Negligible	Very Low	Medium	Low	2	5	Medium	Negligible	Very Low	Medium	Low
1323-2853	17	New Road (North of Rectory Lane)	2	5	Medium	Negligible	Very Low	Very Low	Very Low	2	5	Medium	Negligible	Very Low	Very Low	Very Low
7010-7011	18	A149 Hardwick Road (East of Railway)	4	3	Very Low	Low	Very Low	High	Low	4	3	Very Low	Low	Very Low	High	Low
2655-2857	19	School Road (Middleton)	3	4	Low	Very Low	Very Low	High	Low	3	4	Low	Very Low	Very Low	High	Low
2650-2761	20	A47 (East of North Runcton)	1	5	High	Negligible	Very Low	Low	Very Low	1	5	High	Negligible	Very Low	Low	Very Low
2071-2149	21	A149 Hardwick Road (West of Railway)	4	3	Very Low	Low	Very Low	Medium	Low	4	3	Very Low	Low	Very Low	Medium	Low
1329-2858	22	Setch Road	1	5	High	Negligible	Very Low	Very Low	Very Low	1	5	High	Negligible	Very Low	Very Low	Very Low
2810-2507	23	Chequers Lane	1	5	High	Negligible	Very Low		0 #N/A	0	6	High	#N/A	#N/A	0	#N/A

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Medium	2	1 or more killed (K) and or 5 or more serious injuries (SI)
Low	3	2 or more serious injuries (SI)
Very Low	4	5 or more slight injuries
Negligible	5	

SCENARIO

DS2

	Receptor (Sensitivity / Value / Importance)					
	High	Medium	Low	Very Low	Negligible	
(Magnitude / Probability / Reversibility etc)	High	Substantial	Substantial	Moderate	Minor	Negligible
	Medium	Substantial	Moderate	Minor	Minor	Negligible
	Low	Moderate	Minor	Minor	Negligible	Negligible
	Very Low	Minor	Minor	Negligible	Negligible	Negligible
	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible

Link ID	Params ID	Link Name	IRAP Rating	DM Sensitivity						DS Sensitivity						
				Accident Cluster Rating	Safety Sensitivity (IRAP)	Accident Cluster	Overall Safety + Accident Sensitivity	Receptor Sensitivity	Overall Sensitivity (Accident + IRAP+Receptor Sensitivity)	IRAP Rating	Accident Cluster Rating	Safety Sensitivity (IRAP)	Accident Cluster	Overall Safety + Accident Sensitivity	Receptor Sensitivity	Overall Sensitivity (Accident + IRAP Sensitivity)
1086-3001	1	A47 (West of Hardwick Roundabout)	1	1	High	High	High	Low	Medium	1	1	High	High	High	Low	Medium
1224-1086	2	A47 (Hardwick Roundabout)	1	3	High	Low	Medium	Very Low	Low	1	3	High	Low	Medium	Very Low	Low
7110-7006	3	A149 Queen Elizabeth Way	1	4	High	Very Low	Low	Very Low	Very Low	1	4	High	Very Low	Low	Very Low	Very Low
2819-1206	4	A10 West Winch Road	3	3	Low	Low	Low	Medium	Low	5	3	Negligible	Low	Very Low	Medium	Low
1224-2885	5	A47 Constitution Hill (North of New Road)	1	1	High	High	High	Very Low	Low	1	1	High	High	High	Very Low	Low
2838-2839	6	West Winch Access Road (off A47)								4	5	Very Low	Negligible	Very Low	Low	Very Low
1323-2505	7	A47 Constitution Hill (South of New Road)	1	3	High	Low	Medium	Very Low	Low	1	3	High	Low	Medium	Very Low	Low
2709-2725	8	Chapel Lane	3	5	Low	Negligible	Very Low	Medium	Low	3	5	Low	Negligible	Very Low	Medium	Low
2723-2852	9	Rectory Lane	2	5	Medium	Negligible	Very Low	Low	Very Low	4	5	Very Low	Negligible	Very Low	Low	Very Low
1328-2877	10	A10 Lynn Road (south of Rectory Lane)	3	4	Low	Very Low	Very Low	Medium	Low	4	4	Very Low	Very Low	Very Low	Medium	Low
2728-2784	11	Long Lane	2	5	Medium	Negligible	Very Low	Medium	Low	2	5	Medium	Negligible	Very Low	Medium	Low
2507-2728	12	A10 Lynn Road (south of Chequers Lane)	3	4	Low	Very Low	Very Low	Medium	Low	4	4	Very Low	Very Low	Very Low	Medium	Low
2729-2731	13	Gravelhill Lane	3	5	Low	Negligible	Very Low	Medium	Low	4	5	Very Low	Negligible	Very Low	Medium	Low
2840-2841	14	West Winch Access Road (off A10)								4	5	Very Low	Negligible	Very Low	Low	Very Low
2711-1329	15	A10 Lynn Road (North of Setch Road)	3	3	Low	Low	Low	Medium	Low	4	3	Very Low	Low	Very Low	Medium	Low
2604-2726	16	New Road (South of Rectory Lane)	2	5	Medium	Negligible	Very Low	Medium	Low	2	5	Medium	Negligible	Very Low	Medium	Low
1323-2853	17	New Road (North of Rectory Lane)	2	5	Medium	Negligible	Very Low	Very Low	Very Low	2	5	Medium	Negligible	Very Low	Very Low	Very Low
7010-7011	18	A149 Hardwick Road (East of Railway)	4	3	Very Low	Low	Very Low	High	Low	4	3	Very Low	Low	Very Low	High	Low
2655-2857	19	School Road (Middleton)	3	4	Low	Very Low	Very Low	High	Low	3	4	Low	Very Low	Very Low	High	Low
2650-2761	20	A47 (East of North Runcton)	1	5	High	Negligible	Very Low	Low	Very Low	1	5	High	Negligible	Very Low	Low	Very Low
2071-2149	21	A149 Hardwick Road (West of Railway)	4	3	Very Low	Low	Very Low	Medium	Low	4	3	Very Low	Low	Very Low	Medium	Low
1329-2858	22	Setch Road	1	5	High	Negligible	Very Low	Very Low	Very Low	1	5	High	Negligible	Very Low	Very Low	Very Low
2810-2507	23	Chequers Lane	1	5	High	Negligible	Very Low		0 #N/A	0	6	High	#N/A	#N/A	0	#N/A

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SCENARIO

DM

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	Medium	Substantial	Moderate	Minor	Minor	Negligible
	Low	Moderate	Minor	Minor	Negligible	Negligible
	Very Low	Minor	Minor	Negligible	Negligible	Negligible
	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible

Link ID	Params ID	Link Name	IRAP Rating	DM Sensitivity						DS Sensitivity						
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2810-2507	23	Chequers Lane	1	5	High	Negligible	Very Low		0 #N/A	0	6	High	#N/A	#N/A	0	#N/A