

HA ROAD DEFINITION

What is the road type?	Single	E	D2AP	E	<input checked="" type="checkbox"/>	D3AP	E
	D2M	E	D3M	E		D4M	E

ROAD USER & THIRD PARTY RISKS

Specific Hazards:

Road Type (tick appropriate boxes and enter score)

What is the permanent speed limit?	50mph	F 1	60mph	F 3	70mph	F 5	<input checked="" type="checkbox"/>	Risk Score	5
What is the two-way AADT traffic flow on this section of road?	LOW	G 20	MEDIUM	G 40	HIGH	G 60	<input checked="" type="checkbox"/>		60
What is the percentage of HGVs (unladen weight >3.5 tonnes)?	<8%	I 1	8%-15%	I 3	>15%	I 5	<input checked="" type="checkbox"/>		3
Total Road Type Score									68

Local Factors in proximity of Specific Hazards

Is the works area close to a lay-by, a bus stop, roundabout, slip road, other junction type, public access, air or sea port?	YES	J 1	4	Score 1 per Risk Factor	Total Local Factors Score	4
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Local Factors:

Road Characteristics in proximity of Specific Hazards with Works in Place

Does the alignment comply with current standards?	Full standards met	K 1	Full SSD, curve or undulation present	K 3	<input checked="" type="checkbox"/>	Non-compliant SSD or alignment	K 7	Risk Score	3
Is there more than one lane adjacent to the works area?	No	L 1	Yes	L 5	<input checked="" type="checkbox"/>				5
Is the road section prone to weather problems (fog, snow, low sun etc)?	No	M 1	Yes	M 5	<input checked="" type="checkbox"/>				5
Is there a likelihood of driver fatigue?	No Obvious Factor	N 1	Featureless Road or Works, Factors 1 or 2	N 3	<input checked="" type="checkbox"/>	Long Sweeping Factor 2	N 5	Combination	9
Total Road Characteristics Score									14

Design of Works in proximity of Specific Hazards

What is the duration of works?	<7 days	O 1	8 to 14 days	O 3	15 to 28 days	O 7	<input checked="" type="checkbox"/>	Risk Score	7
Is works area in a confined space (e.g. under a bridge)?	No	S 1	Yes	S 3					1
Are the works lit?	N/A or Yes – street lights	T 1	Yes – temporary lights	T 2	No	T 3			1
What fraction of total length of the road works is occupied by specific hazards to road users or third parties?	<10%	AF 2	10%-90%	AF 6	>90%	AF 14			2
Total Design of Works Score									11

Road User & Third Party Lateral Separation, Severity, Mobility and Temporary Speed Limit Factors

How far are road users from the roadside hazard?	>3m	R 2	1.2 to 3m	R 1	<input checked="" type="checkbox"/>	Lateral Separation Factor	1
Are the roadside hazards mobile (eg TM vehicles or plant)?	No	AG 1	Yes	AG 2		Hazard Mobility Factor	1
Are there any factors that could significantly increase the likelihood of a roadside hazard being hit, or the consequences for road users or third parties?			One or more Yes	AH 0.5	All No	AH 1	<input checked="" type="checkbox"/>
Is there a temporary speed limit?	No	II 1	Yes, at least 10 mph reduction	II 2	Yes, convoy system	II 5	
Severity Factor							1
Temporary Speed Limit Factor							2

ROAD USER & THIRD PARTY RISK SCORE WITHOUT BARRIER = (Total Road Type Score + Total Local Factors Score + Total Road Characteristics Score + Total Design of Works Score) / (Lateral Separation x Hazard Mobility x Severity x Temporary Speed Limit Factors)

48.5

ROAD USER & 3 RD PARTY RISK WITHOUT BARRIER	Tick if score is less than 40 – A barrier is not required	GREEN Note 8		Barrier required?
	Tick if score between 40 and 65 – A barrier may be required	AMBER Note 8	<input checked="" type="checkbox"/>	
	Tick if score is more than 65 – A barrier is required	RED Note 8		

$$\frac{(68 + 4 + 14 + 11)}{2} = 48.5$$