

A483/A489 Newtown Bypass – Powys County Council Departures Risk Assessment

Specific Risk Assessment Form

Project: A483/A489 Newtown Bypass

Doc Ref: DP122 – Risk Assessment

Rev No: 3

Management of Health and Safety at Work Regulations 1999

Ref	Hazard	P	S	R	Response/Control Measure	P	S	R	Details
DP 122	Horizontal radius of 65m leading to nose to tail shunts and loss of control due to lack of comprehension of road layout ahead. Causation factors: • Inappropriate speed • Restricted visibility • Lack of awareness of road layout ahead • Fatigue/asleep	3	3	9	This alignment was selected due to the constraints imposed by the existing railway line and road alignment. It is anticipated that traffic speeds at this location would be low due to traffic slowing down to negotiate the roundabout. In order to mitigate the hazard the following measures are to be implemented as part of the proposed scheme: • Retroreflective signs will be provided on approach to the proposed roundabout. This will assist road users in fully appreciating the road layout ahead. • Speed reduction features such as chevron signs and yellow banding markings will be considered • Verge widening to achieve desirable minimum SSD (70m). • Edge markings to be provided in accordance with guidance in Traffic Signs Manual Chapter 5. • The proposed link road and roundabout would be lit. Junction capacity checks show that no significant queueing is predicted on this arm of the roundabout.	2	3	6	Detailed Design

Verification:		*Details (Typical examples resulting from risk classification)						
Prepared by: C Jones	Checked by: T Davies	T	Training	P	Permits	MS	Method Statement	
Date: 23/03/2015	Date: 23/03/2015	I/B	Induction/briefing	SA	Self assessment	Other		N/A

Explanatory Note on Risk Classification

Risk is the likelihood of potential harm from a hazard being realised. The extent of risk will depend on:

- The likelihood/probability of that harm occurring
- The potential severity of that harm, i.e. of any resultant injury or adverse health effect
- The population which might be affected by the hazard, i.e. the number of people who might be exposed.

The risk assessments should be reviewed if there is reason to suspect that they are no longer valid or there has been a significant change in the matters to which they relate. (Ref: Management Regulations – Regulation 3).

Risk classification and required action:

Probability (P) *		Severity (S) *					
		0	1	2	3	4	5
		No harm	Minor harm	Moderate harm	Serious harm	Major harm	Catastrophic harm
0	Almost impossible	-	-	-	-	-	-
1	Extremely unlikely	-	1	2	3	4	5
2	Unlikely	-	2	4	6	8	10
3	Likely	-	3	6	9	12	15
4	Extremely likely	-	4	8	12	16	20
5	Almost certain	-	5	10	15	20	25

Risk rating/classification (R)	
1 - 9 /Low	Ensure control measures are maintained and reviewed as necessary
10 – 19 /Medium	Control measures needed to reduce risk rating to a level which is as low as is “reasonably required”
20 – 25 /High	Activity not permitted – hazard to be avoided or risk to be considerably reduced so it is tolerable

* Probability that harm will occur:			* Potential severity of harm: e.g.		
0	Almost impossible	Probability close to zero	0	No harm	No injury, damage, sickness or other loss
1	Extremely unlikely	Highly improbable, never known to occur	1	Minor harm	Minor injury with short term effect, minor damage or loss
2	Unlikely	Improbable, remote chance	2	Moderate harm	Lost time injury or illness, moderate damage or loss
3	Likely	Possible, has happened occasionally	3	Serious harm	Over 3 day injury or illness, substantial damage or loss
4	Extremely likely	Probable, commonly occurs	4	Major harm	Major injury, major damage or loss
5	Almost certain	Inevitable, definite, continually occurs	5	Catastrophic harm	Fatality (inc. to the public) or disabling illness, catastrophic damage or loss