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

Specific Risk Assessment Form
Project: A483/A489 Newtown Bypass Doc Ref: DP114 – 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 114	Below absolute minimum sag curve and desirable minimum crest curve on the immediate approach to the Kerry Road Roundabout leading to nose to tail shunts and loss of control. Causation factors: • Inappropriate speed • Lack of awareness of road layout ahead • Rate of change of vertical alignment • Fatigue/asleep	3	3	9	This vertical alignment was selected to minimise earthworks and the associated environmental impact of the route. It is considered that the current proposal provides the optimum solution for balancing the highway alignment with local topography and other constraints in this location, whilst offering an improvement to the existing road which has a derestricted speed limit. The visibility provided offers an improvement to the existing standard and is considered appropriate for the anticipated vehicular speeds at this location. In order to mitigate the hazard the following measures are to be implemented as part of the proposed scheme: • Gateway traffic calming feature incorporating signs and road markings will be considered at the downhill approach to the proposed 40mph speed limit location • Retroreflective signs would be used on approach to the proposed roundabout. • The proposed 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: 19/03/2015	Date: 19/03/2015	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The risk assessments should be reviewed if there is reason to suspect that they are no longer valid or there has been a significant change in the matters to which they relate.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:**		
0	**Almost impossible**	Probability close to zero
1	**Extremely unlikely**	Highly improbable, never known to occur
2	**Unlikely**	Improbable, remote chance
3	**Likely**	Possible, has happened occasionally
4	**Extremely likely**	Probable, commonly occurs
5	**Almost certain**	Inevitable, definite, continually occurs

*** Potential severity of harm: e.g.**		
0	**No harm**	No injury, damage, sickness or other loss
1	**Minor harm**	Minor injury with short term effect, minor damage or loss
2	**Moderate harm**	Lost time injury or illness, moderate damage or loss
3	**Serious harm**	Over 3 day injury or illness, substantial damage or loss
4	**Major harm**	Major injury, major damage or loss
5	**Catastrophic harm**	Fatality (inc. to the public) or disabling illness, catastrophic damage or loss