METHOD STATEMENT FOR THE INSTALLATION OF REDIWELD SPEED CUSHIONS ON THE PUBLIC HIGHWAY



PROJECT INFORMATION

Company Details:	Start Traffic LTD Unit 30 North Bank, Berryhill Ind' Est' Droitwich WR9 9AU Tel : 01905 794 875 E-Mail : sales@starttraffic.uk
Site Address:	
Activity-Risk:	To install rubber Speed Cushions on the Public Highway.



IMPLEMENTATION & CONTROL OF RISK		
Hazardous Task – Risk	Method of Control	
 Put out warning signs and sufficient traffic management measures to ensure the safety of operatives, road users and pedestrians. Risk to operatives and third parties will be high. 	Operatives will follow the correct procedure for accessing the site. Works vehicles will be safely positioned with amber beacons on. Warning signs and traffic management measures will be positioned, as per Chapter 8. The site will be clearly defined and barriered. Safety zones will be maintained at all times. Signs will be adequately placed and sandbagged if necessary. If two-way lights are to be used, cables will be run along edges and channel strips will be used. A safe, signed pedestrian route will be provided and maintained at all times. Reversing operations will be minimised.	
2. Mark position on road and assemble complete cushions (without fixings) ensure that 40mm x 50mm angle iron is correctly located at both ends of the cushion and that the reflective arrow on the cushion will face on-coming traffic. Risk to operatives will be medium. Risk to third parties will be low.	Operatives will have adequate training in manual handling and will employ manual handling techniques to lift individual rubber units at all times. Operatives will wear gloves and safety boots, at all times to prevent trapped fingers and damaged feet .A first aid box will be provided on site at all times. Operatives will only work within the site ' working space' to protect third parties.	
3. Ensure all module butt joints are tightly together, carefully remove corner units at one end of cushion only, with a 14mm drill bit, drill through angle iron hole to a depth of 100mm into the carriageway. The drill used will be a Hilti T15 or T21 hammer drill (or similar) attached to a 3 kva generator via a 25 m. 110 v extension lead. Risk to operatives will be medium. Risk to third parties will be low.	Plans of services will be obtained prior to commencing work on site. A visual survey of the area and a 'CAT' scan will be carried out prior to drilling. Operatives will wear appropriate eye, ear and feet protection. Dust masks will be worn, if necessary. Regular checks will be made on the condition of airlines and the tightness of fittings. Hoses will be run safely and will avoid pedestrian routes. To prevent vibration white finger, reduced vibration equipment will be used, regular job rotation will be implemented and operatives hands will be kept as warm as possible. Fuel for generators will be stored in suitable containers in a	

	secure area. Caps will be kept on fuel containers and refuelling will not take place near storm drains or watercourses. Spill kits and a fire extinguisher will be available on site at all times. (Refer to COSHH sheets for petrol).
4. Blow out fixing holes using a long nosed air gun, powered by a 120psi portable compressor, and insert 3 pumps of resin using a resin gun supplied by Rediweld.Risk to operatives will be medium.Risk to third parties will be low.	Operatives will wear appropriate P.P.E – gloves, goggles, masks and long sleeves. Operatives will only use the air gun within the site 'working space' to protect third parties. Resin containers will be stored in a secure area, with caps on to prevent spillage / water contamination. (Refer to COSHH sheets for resin). Safety measures relating to the generator, portable compressor and hoses will apply as outlined in section 3.
5. Insert nylon plug to full depth followed by counter-sunk frame fixing. Firmly tighten frame fixing with ¹ / ₂ " drive torque head.	As outlined earlier.
Risk to operatives will be low. Risk to third parties will be low.	As outlined earlier.
6.Remove centre ramp module(s) and repeat drilling, blowing, resin & fixing details Risks - as outlined earlier.	As outlined earlier.
7.Prior to securing angle iron at opposite end, ensure that all modules are pushed tightly together. Risk to operatives low. Risk to third parties low.	As outlined earlier.
8. Repeat angle iron securing. Risk- as outlined earlier.	As outlined earlier.
9. Remove all four corners and bend length ways like a bow as severely as possible, thus removing any possible gaps at leading edge. Replace corners then repeat with ramps. Risk to operatives low. Risk to third parties low.	As outlined earlier.

10.Tighten modules together across cushion width. Risk to operatives low. Risk to third parties will be low.	As outlined earlier.
11.Commence drilling all modules through holes provided to a depth of 170mm from module surface. Risks – as outlined earlier.	As outlined earlier.
12.Thoroughly blow out holes and insert resin commencing at base of hole, 4 to 5 pumps required. Warning – resin will harden in within 25 minutes. Risk to operatives will be low. Risk to third parties will be low.	As outlined earlier.
13.Insert nylon plug, coach screw and washer. Tap assembly down to 30mm above module surface and tighten with impact wrench, ensuring washer is firmly seated. Do not over-tighten . Risk to operatives low. Risk to third parties will be low.	As outlined earlier.
14.Insert rubber bungs (taper on bung top to match module slope). Tap bungs down to just below module surfaces.Risk to operatives low. Risk to third parties will be low.	As outlined earlier
15.Remove all work debris & personal rubbish from site. Risk to operatives will be medium. Risk to third parties will be low.	Operatives will have good hygiene standards, use gloves (where practical), clean and cover cuts and will carry a Leptospirosis card.
16.Remove traffic management signs and barriers. Risk to operatives and third parties will be high.	Operatives will comply with the sequence of removing signs as per Chapter 8 when dismantling traffic management measures.