

	<b>HEALTH AND SAFETY RISK ASSESSMENT</b>		<b>Title</b>	Risk Assessment for the Installation and Removal of Traffic Management		
			<b>RA Number</b>		<b>Date</b>	14/9/17
	<b>Scheme</b>	<b>A83 Stronepoint</b>	<b>Prepared By</b>	██████████		
	<b>Client</b>	<b>John Paul Construction</b>	<b>Approved By</b>	██████████		

Activity	Hazards	Persons Affected	Risk Level (H,M,L)	Control Measures	Residual Risk Level (H,M,L)	Comments
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Design & detail traffic Management Layout	<p>Confusion &amp; lack of clarity for travelling public &amp; workforce being protected.</p> <p>Operative/vehicle of supervisor carrying out survey struck by passing vehicle</p>	<p>Operatives</p> <p>Client Workforce</p> <p>Travelling public</p>	M	<p>Design to meet all requirements of Chapter 8 or New Roads &amp; Street Works Act, and ensure all drawings are supplied to Roads authority &amp; Police.</p> <p>Supervisor fully trained using appropriate vehicle with Highway Maintenance stickers and beacons operating.</p> <p>Don't stop in an unsafe location. Take notes or sketches from a safe location off the highway.</p>	L	<p>Consider all advice within Chapter 8</p> <p>TM designers appropriately trained to M7 qualification for designing traffic management.</p>
Loading / Offloading vehicle	<p>Manual Handling</p> <p>Falling signs</p> <p>Tripping whilst on vehicle deck</p> <p>Operative/vehicle Being struck by other vehicles</p> <p>vehicles over loaded with too much equipment</p>	<p>Operatives</p> <p>Members of the public</p>	H	<p>Operatives to be trained in manual handling</p> <p>Trained Operatives only to drive vehicles/plant</p> <p>Vehicle check to be carried out daily</p> <p>Traffic signals checked they are fully operational before leaving yard</p> <p>All vehicles to have reversing alarms</p> <p>All loads to be securely fastened before moving works vehicles</p> <p>Ensure loads are sitting securely before removing ratchet straps or chains</p> <p>Ensure vehicle can be seen at all times when stopped on the road</p> <p>Do not jump from back of vehicle use appropriate steps for climbing onto or off vehicle</p> <p>Where possible park off the carriageway</p> <p>Never off load from live side of vehicle</p> <p>Operatives know the weights of equipment and to add up load before leaving yard</p> <p>Wear full PPE at all times when loading/unloading</p> <p>Hand washing facilities available</p>	L	

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Setting up and removal of sites	<p>Road Traffic Accident whilst working on or near the edge of the roadway</p> <p>Operatives being struck by passing vehicles</p> <p>Passing vehicles hitting signs</p> <p>TM equipment blocking sight lines of vehicles trying to get out of junctions</p> <p>TM equipment placed where it will cause additional hazard to pedestrians/members of the public</p> <p>Motorists unsure of what is happening on the road or what is expected of them</p>	<p>Operatives</p> <p>Members of the public</p>	H	<p>Traffic management to be erected to relevant Chapter 8 layout or site specific drawings.</p> <p>Workforce in road slow signs erected for installation and removal of TTM.</p> <p>All staff trained and supervised in accordance with Sector Scheme 12D and the New Roads and Street Works Act. Operate beacons at all times in conjunction with indicators.</p> <p>When setting out do not park in blind spots e.g. dip of hill or on bends – if necessary, park off road and walk signs out.</p> <p>Be extremely vigilant of traffic.</p> <p>Do not cross the road if you have to run – remember the three second rule</p> <p>Minimise the number of times you have to cross the road.</p> <p>Ensure correct advance signage is in place.</p> <p>Do not offload from live side of vehicle.</p> <p>Do not stand on the road at rear of vehicle - stand clear to the side of the vehicle, off the road.</p> <p>Always face oncoming traffic</p> <p>Do not stand between vehicle and live lane.</p> <p>When exiting vehicle, always do so from safe side furthest from live traffic.</p> <p>Side roads leading in to works to be signed and controlled.</p> <p>When placing signs on footway ensure 1m walkway is left for pedestrians to get past sign – under no circumstances block any footway.</p> <p>Ensure signs are adequately sandbagged</p> <p>Ensure signs do not block sight lines for vehicles</p> <p>Cones set off the back of vehicle and never thrown across carriageway</p> <p>Lamp cones 9m on tapers and 18m on straights.</p> <p>Wear full PPE</p>	M	
Operatives working from TM vehicle	Fall from vehicle		M	<p>Operatives are not permitted to work from the back of TM vehicle unless vehicle is fitted with side wells. All equipment lifted from van and set to correct location.</p> <p>Operatives are not permitted to travel on the back of vehicle</p>	L	
Crossing Live Carriageways	Operatives struck by other vehicles	<p>HBS Staff</p> <p>Travelling Public</p>	H	<p>Operatives are trained in accordance with procedures laid out within New Road and Street Works Act, Sector Scheme 12A and follow the guidance detailed within HSE Construction Information Sheet No 53</p> <p>Minimise number of times needed to cross carriageway.</p>	M	Refer to:- <b>HSE Construction Information Sheet No 53</b>

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				When carrying TM equipment the reflective face should be facing oncoming traffic Clean PPE worn and worn correctly i.e. vests fastened.		
TM Vehicle in live lane	Collision between works vehicle and motorists  Motorists collision with operative  Motorists sharply braking or making dangerous manoeuvre to avoid hitting works vehicle	Operatives Members of the public	H	Ensure all advance signage is in place (as per plan) and can be clearly seen. Ensure that all beacons on vehicle are turned on. Use indicators to indicate intent to stop or pull in. once within closure use hazard lights. Ensure that TM Vehicle is not parked on a bend or a dip; there must be clear sighting distance of TM Vehicle. Ensure that oncoming traffic has clear sighting distance of TM vehicle TM Operatives to leave vehicle from safe side furthest from traffic. Full PPE to be worn at all times	M	
Manual Handling	Slips, Trips and falls  Back or toe injury	Operatives	H	Use forklift to load cones and sandbags where possible All Operatives to be trained in manual handling. Always assess the load, plan the lift, keep the load close to the waist, adopt a stable position, always have a good grip, maintain a good posture, no twisting or leaning sideways, move smoothly, no running and never lift or handle more than you are capable of.	L	
Setting traffic signals	Road traffic collision  Collision between motorists and works vehicles  Collision between motorists and works operatives	Operatives  Members of the public	M	When operating traffic signals Operatives must always face on-coming traffic. Operatives to stay within the coned off area. Traffic signal positioned with clear sighting distance Signals set to VA with traffic light timings correctly set. Signals set to "all red" mode while setting out site	L	<b>Refer to the yellow book for setting traffic signals.</b>  <b>Refer to Pink Book for correct traffic light timings depending on site lengths.</b>
Working alongside protective Coatings Crews	Noise problems arising from working next to loud machinery  Inhaling dust/fumes  Eye injury	HBS Operatives	M	Appropriate PPE available in TM vehicle if required Where possible TM Operatives to stay clear of worksite Works site to be adequately covered/protected by HBS Protective Coatings to ensure safety of public outside the site.	L	

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Pedestrians in proximity to works location	Noise problems arising from working next to loud machinery  Inhaling dust  Eye injury  Pedestrians diverted off footway on to carriageway  Pedestrian route longer than usual – pedestrians ignore it and try to walk through works	Members of the public	<b>M</b>	Footways kept clear of signs and equipment as much as possible 1.2m minimum footway width to be maintained Pedestrians diverted onto carriageway - a double row of pedestrian barrier should be used to segregate pedestrians and vehicles Pedestrians kept well away from work activities and works area adequately guarded. Pedestrian route clearly signed with pedestrian arrows and footway closed signs. Pedestrian barriers joined together and adequately ballasted to ensure pedestrians cannot stray into works area. Do not block footways under any circumstances.	<b>L</b>	
Carrying equipment	Slips, trips or falls	Operatives	<b>M</b>	All operatives must plan their route before commencing to identify any slip, trip or fall hazards and obstructions which will impede safe progress. Any obstructions that cannot be navigated around MUST be reported to Supervisor or Manager Immediately  Signs carried with reflective face facing towards traffic  Don't lift more than what you can easily handle.  Remember 3 second rule while carrying equipment across road.	<b>L</b>	
Wearing hardhats	Being struck by traffic whilst instinctively retrieving fallen or blown off hard hat	Operatives  Members of the public	<b>M</b>	Operatives will not wear hard hats whilst installing, switching or removing Traffic Management. When site has been implemented or changed all Operatives will abide by Clients rules on usage of hard hats within their sites.  Chin straps worn with hardhats.	<b>L</b>	
Working in the hours of darkness	Being struck by travelling public.  Slip, trip hazards	Operatives  Members of the public	<b>M</b>	Ensure PPE is clean and worn correctly Use vehicle beacons Use vehicle mounted working lights Head torches supplied to be fitted on to hardhat if required	<b>L</b>	

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Adverse weather conditions	Adverse weather conditions	Operatives Members of the public	M	Ensure sighting distance can be maintained, if sighting distances cannot be kept due to bad weather such as heavy rain or fog, works to be stopped and vehicles to pull off the road If roads become dangerous due to ice or snow foreman to contact line manager and works to be postponed If it is necessary to call the council and have the lane salted before it is re-opened this must be done promptly to ensure council has enough time to send the gritting lorries before the road is due to re-open.	L	
Emergency Situations	Operatives injured during the course of the works Fire on site or in vehicle Emergency vehicles passing site	Members of the public	M	All emergency situations i.e. car break downs, road traffic collisions, lorry overturns etc. to be dealt with by the appropriate authorities but recorded in the site pack accident book for information only purposes. At least one HBS operative to be first aid training on every shift. First aid boxes and fire extinguishers are located in each site van and HBS operatives are trained in their use.	L	

**I have read and understood this Risk Assessment;**

NAME

SIGNATURE

DATE


<b>Prepared By:</b>	A Stewart	<b>Date:</b>	14/9/17
<b>Review Due:</b>	1yr or sooner if significant change in activities	<b>Date of next review:</b>	April 18
<b>Issue No:</b>	2		