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| <b>RISK RATING</b><br><br><b>1 HIGH</b><br><br><b>2 MEDIUM</b><br><br><b>3 LOW</b>                    | <b>SAFE WORK METHOD STATEMENT</b><br><br>Title: : Bridge Inspection<br><br>Ref No: 1   | I approve the use of this Safe Work Method Statement:<br><br><b>NAME:</b> _____ <b>POSITION:</b> Department Manager<br><br><b>SIGNATURE:</b> _____ <b>DATE:</b> ___/___/___   |
|   |  | <b>Projects: BRIDGE INSPECTIONS</b>   |
| <b>Critical Steps in this Activity:</b>   | <b>Potential Hazards:</b>  | <b>Safety Controls:</b>   |
| <ul style="list-style-type: none"> <li>• Preparation for operations</li> <li>• <b>HIGH</b></li> </ul> | <ul style="list-style-type: none"> <li>• Inadequate planning</li> </ul>  | <ul style="list-style-type: none"> <li>• Identify people, PPE, equipment, potential hazards and safety controls prior to commencement of works</li> <li>• Team leader to issue traffic management plan to work crew</li> <li>• All relevant signs to be placed on vehicle</li> <li>• Team leader to arrange extra signs and traffic control if required</li> <li>• All MSDs's for Hazardous substances to be placed in vehicle</li> </ul> |
| <ul style="list-style-type: none"> <li>• Driving to worksite</li> <li>• <b>HIGH</b></li> </ul>        | <ul style="list-style-type: none"> <li>• Drive into other people</li> <li>• Road users</li> <li>• Plant</li> <li>• Drive off embankment</li> <li>• Poor drivers</li> </ul> | <ul style="list-style-type: none"> <li>• Be in possession of proper Drivers/operators license</li> <li>• Being aware whilst driving</li> <li>• Travel at a safe speed according road conditions and load</li> </ul>   |
| <ul style="list-style-type: none"> <li>• Traffic Control</li> <li>• <b>HIGH</b></li> </ul>            | <ul style="list-style-type: none"> <li>• Poor drivers</li> <li>• Inappropriate traffic control measures</li> </ul>   | <ul style="list-style-type: none"> <li>• Follow traffic management plan from team leader</li> <li>• Ensure the traffic control measures are appropriate for all weather conditions</li> <li>• Use of appropriate PPE – high visibility clothing ETC</li> <li>• Stay alert for traffic on worksite</li> <li>• Aftercare signage to be left if work has loose surface on carriageway</li> </ul>   |

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| <ul style="list-style-type: none"> <li>• Road surface for depressions, cracking at approaches</li> <li>• <b>MEDIUM</b></li> </ul>           | <ul style="list-style-type: none"> <li>• Traffic</li> <li>• Physical</li> </ul>         | <ul style="list-style-type: none"> <li>• Listen for traffic on dead-end roads. Stay alert. When working on roadway full traffic control will be required</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul> |
| <ul style="list-style-type: none"> <li>• Bridge bituminous surfaces for cracking also depressions</li> <li>• <b>MEDIUM</b></li> </ul>       | <ul style="list-style-type: none"> <li>• Traffic</li> <li>• Physical</li> </ul>         | <ul style="list-style-type: none"> <li>• Listen for traffic on dead-end roads. Stay alert. When working on roadway full traffic control will be required</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul> |
| <ul style="list-style-type: none"> <li>• Footpaths for unevenness</li> <li>• <b>MEDIUM</b></li> </ul>                                       | <ul style="list-style-type: none"> <li>• Walking Surface</li> <li>• Physical</li> </ul> | <ul style="list-style-type: none"> <li>• Keep a watch for frosted, wet, slippery, uneven or cracked surface</li> <li>• Wear proper footwear</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>              |
| <ul style="list-style-type: none"> <li>• Signs and delineation for damage and visibility for road users</li> <li>• <b>MEDIUM</b></li> </ul> | <ul style="list-style-type: none"> <li>• Accidents</li> <li>•</li> </ul>                | <ul style="list-style-type: none"> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Barriers for damage post, missing bolts, clamps, corrosion</li> <li>• <b>MEDIUM</b></li> </ul>     | <ul style="list-style-type: none"> <li>• Physical I</li> </ul>                          | <ul style="list-style-type: none"> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Deck joints missing and damage bolts and other components</li> <li>• <b>HIGH</b></li> </ul>        | <ul style="list-style-type: none"> <li>• Physical</li> <li>•</li> </ul>                 | <ul style="list-style-type: none"> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Bridge Drainage for accumulation of debris,</li> <li>• <b>MEDIUM</b></li> </ul>                    | <ul style="list-style-type: none"> <li>• Physical</li> </ul>                            | <ul style="list-style-type: none"> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |

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| <ul style="list-style-type: none"> <li>• Weep holes</li> <li>• <b>LOW</b></li> </ul>   | <ul style="list-style-type: none"> <li>• Physical</li> </ul>  | <ul style="list-style-type: none"> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Road &amp; bridge drainage for scour, especially at outlets to culverts and off deck channels</li> <li>• <b>MEDIUM</b></li> </ul> | <ul style="list-style-type: none"> <li>• Physical</li> </ul>  | <ul style="list-style-type: none"> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Embankment &amp; Slope for erosion and scour</li> <li>• <b>HIGH</b></li> </ul>  | <ul style="list-style-type: none"> <li>• Climbing steep and muddy banks</li> <li>• Physical</li> <li>• Carrying equipment</li> <li>• Falls</li> </ul> | <ul style="list-style-type: none"> <li>• Make sure you have a proper footing when descending or climbing banks. Watch for slippery, muddy or wet banks and holes. Late spring to early summer could be safer than in winter months. Safety harness could help protect employee when descending steep banks</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> <li>• Do not overload yourself. Plan ahead. Get help or maybe two trips if necessary. Use proper lifting and carrying techniques</li> <li>• Do not take unnecessary risks. Maintain balance when working on steep slopes. Carry a radio in case of a fall. Use fall protection</li> </ul> |
| <ul style="list-style-type: none"> <li>• Vegetation around abutments and wing-ways</li> <li>• <b>MEDIUM</b></li> </ul>   | <ul style="list-style-type: none"> <li>• Physical</li> </ul>  | <ul style="list-style-type: none"> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> <li>•</li> </ul>   |
| <ul style="list-style-type: none"> <li>• Waterways for accumulation of debris and silt, vegetation growth and scour</li> <li>• <b>HIGH</b></li> </ul>                      | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>• Physical</li> <li>• Carrying equipment</li> <li>• Falls</li> </ul>        | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> <li>• Do not overload yourself. Plan ahead. Get help or maybe two trips if necessary. Use proper lifting and carrying techniques</li> <li>• Do not take unnecessary risks. Maintain balance when working on steep slopes. Carry a radio in case of a fall. Use fall protection</li> </ul>  |

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| <ul style="list-style-type: none"> <li>• Pier, abutments, cross-heads, bearing pedestals and substructure drains for accumulation of dirt and debris</li> <li>• <b>HIGH</b></li> </ul> | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>• Using inspection equipment</li> <li>• Physical</li> </ul> | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Caution should be used when probing timber members with sharp pointed tools wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>            |
| <ul style="list-style-type: none"> <li>• Timber members for termite activity, decay, insect attack</li> <li>• <b>HIGH</b></li> </ul>   | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>• Using inspection equipment</li> <li>• Physical</li> </ul> | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Caution should be used when probing timber members with sharp pointed tools</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul> |
| <ul style="list-style-type: none"> <li>• Timber members for excessive deflections</li> <li>• <b>HIGH</b></li> </ul>  | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>• Using inspection equipment</li> <li>• Physical</li> </ul> | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Caution should be used when probing timber members with sharp pointed tools</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul> |
| <ul style="list-style-type: none"> <li>• Iron and steel elements for build-up of salt, silt, debris or dirt</li> <li>• <b>HIGH</b></li> </ul>  | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>• Physical</li> </ul>                                       | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |

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| <ul style="list-style-type: none"> <li>• Deck, girders, piers, abutments and wing walls for looseness, and major damage</li> <li>• <b>HIGH</b></li> </ul>  | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>• Physical</li> </ul>                                       | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Deck, girders, bearings for defects such as spalling, cracking, staining, dampness, corrosion and excessive vibration</li> <li>• <b>HIGH</b></li> </ul> | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>Physical</li> </ul>   | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Wedges in works for tightness</li> <li>• <b>MEDIUM</b></li> </ul>   | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>Physical</li> </ul>   | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Visual damage to bridge bearings</li> <li>• <b>MEDIUM</b></li> </ul>  | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>Physical</li> </ul>   | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul>  |
| <ul style="list-style-type: none"> <li>• Masonry elements to joints between blocks/bricks and cracking in masonry</li> <li>• <b>MEDIUM</b></li> </ul>  | <ul style="list-style-type: none"> <li>• Streams &amp; waterways</li> <li>• Using inspection equipment</li> <li>• Physical</li> </ul> | <ul style="list-style-type: none"> <li>• Do not enter any streams or waterways. When working near these a life jacket should be worn or a safety harness. Do not conduct inspections alone on a bridge or under a bridge with water</li> <li>• Caution should be used when sounding concrete with a hammer</li> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul> |

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| <ul style="list-style-type: none"> <li>• Bridge in general graffiti, damage to installed services and encroaching vegetation and fire hazards</li> <li>• <b>LOW</b></li> </ul> | <ul style="list-style-type: none"> <li>• Physical</li> </ul> | <ul style="list-style-type: none"> <li>• Wear proper safety equipment and protective clothing: hard hats, gloves, goggles, long sleeved shirt &amp; pants etc. Wear sturdy footwear. Do not take unnecessary risks to speed up job. Proceed with caution</li> </ul> |
| <ul style="list-style-type: none"> <li>• All inspection sheets to be handed to team leader for yearly program and kept for future claims</li> <li>• <b>HIGH</b></li> </ul>     | <ul style="list-style-type: none"> <li>•</li> </ul>          | <ul style="list-style-type: none"> <li>•</li> </ul>   |

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| <b>License/Training</b> | <b>List Plant-Equipment</b> |
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| <i>Drivers License</i><br><i>Work Activity Induction</i><br><i>Red Card</i> | <i>Bridge Truck, Generator, Hand Tools, Harness, Life Jacket</i> |
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| <b>List: /Personal Protective Equipment required for this Activity</b> | <b>List Equipment Maintenance Checks required for this Activity</b> | <b>Engineering Certificates</b> | <b>Hazardous Substance</b> |
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| <i>Hi visibility clothing</i><br><br><i>Rubber Boots</i><br><br><i>Torch</i><br><br><i>Sunscreen</i><br><br><i>Hand Mirror</i><br><br><i>Safety Boots</i><br><br><i>First Aid Kit</i> | <i>Plant Log Sheet</i> | <p style="text-align: center;"><b>Type</b></p> <i>Level 1 Bridge Inspection Training</i><br><i>Traffic Management Plans</i> | <p style="text-align: center;"><b>Type</b></p> <i>MSDS's</i> |
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| <b>Duties &amp; Responsibilities</b> |
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| <p>To ensure the safety of co-workers and general public. To report all incidents and near misses to team leader. Ensure equipment is in safe working order. Perform safety checks of equipment</p> |
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