

Background - Over the weekend of 18th and 19th February 2023 I witnessed staff from Wigan council engage in extremely dangerous practices to both Wigan council staff and members of the public.

Before I disclose the details of this incident I would like to have:

A copy of the Method statement, Risk assessment and a copy of the Chapter 8 Highway safety plan. The work relates to the removal of paving stones and the replacement of the same with Tarmacadam along the footpath between 16 and 36 Byrom Lane Lowton

Please find attached pdf files for information requested.

+Step 1

What are the hazards?

Spot hazards by: Walking around your workplace. Asking your employees what they think. Visiting the 'Your industry' areas of the HSE web site. Checking manufacturer's instructions. Contacting your trade association. Don't forget long-term health hazards.

Step 2

Who might be harmed and how?

Identify groups of people. Remember: Some workers have particular needs. E.g. People who may not be in the workplace all the time i.e. members of the public, contractors, etc. If you share your workplace think about how your work affects others present. Say how the hazard could cause harm.

Step 3

What are you already doing?

List what is already in place to reduce the likelihood of harm or make any harm less serious. In relation to fire some examples might include reasonable housekeeping standards, fire evacuation procedures in place, fire drills completed at least twice a year, fire alarms maintained and tested. Manual handling examples might include a trolley used to transport boxes of paper, top shelves used for storage of light boxes only.

What further action is necessary?

You need to make sure that you have reduced risks 'so far as is reasonably practicable'. An easy way of doing this is to compare what you are already doing with good practice. If there is a difference, list what needs to be done. Some fire examples might include regular inspections to ensure fire rules are followed, fire awareness training for new staff. Some manual handling examples might include manual handling training for employees are kept under review. Suitable monitoring by managers/supervisors to ensure procedure is adhered to, and agree with supplier (by contract) to deliver to the point of store from delivery of paper.

Step 4

How will you put the assessment into action?

Remember to prioritise. Deal with those hazards that are high-risk and have serious consequences first.

Step 5 Review date:

Review your assessment to make sure you are still improving, or at least not sliding back. If there is a significant change in your workplace, remember to check your risk assessment and, where necessary, amend it.

RISK ASSESSMENT

| Details of assessment | Equipment Involved |
|--|--|
| Operation covered by this assessment: | Including: Cut Off Saws, Pneumatic Hammers, Plate Compactors, Ride on Rollers and 3CX Excavator. |
| Footway improvements, by way of surfacacing footway, including laying concrete products and cleaning drainage pipe within footway. | PPE: including RPE, Head Protection, Eye Protection, Hearing Protection, High Visibility Clothing, Hand Protection, Foot Protection, Inclement Weather Clothing. |
| Location: Byrom Lane, Lowton. Limits 16 to 36 | |
| Assessor name: | |
| Date of assessment:13/2/23 | |
| Assessment Ref. Byrom lane, Lowton, HW003 | |
| | |

| Step 1 | Step 2 | Step 3 | Step 4 | Done | | |
|-----------------------|--|---|--|--|---|------|
| What are the hazards? | Who might be harmed and How might they be harmed? | What are you already Doing to control the risk? | What further action is necessary? | Action by whom | Action by when | Done |
| Moving vehicles. | Operatives/other highway users. Disruption/collision by road traffic/site traffic and other highway users. | Correct use of signing and Guarding to Chapter 8 standards to accommodate other highway users. Correct use of PPE selected by assessment which will include high visibility clothing, head protection, foot protection. Use of competent specialist subcontractors and equipment including: excavator, driver and Traffic Management contractor. Chapter 8 Safety at Street Works and Road works Training for site operatives. Health and Safety Training Needs Assessment Completed. | Review existing training records of all site operatives. Implement training identified in Training Needs Assessment. Monitor that PPE is used in accordance with instruction, training and associated assessment – ref Depot Sharepoint Site, Highways Infrastructure, PPE Assessments Folder. | Manager/ Supervisor Manager/ Supervisor | Commen ced 14/02/23 Commen cement of activity | |

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|------------------------|---|---|--|--|--|--|
| Site Traffic/Machinery | Operatives/members of the public and other highway users. Injury or harm might occur through collision or strike by site traffic/machinery. | Correct use of signing and Guarding to Chapter 8. Banksman to direct site traffic / pedestrian movement through the works. Correct use of PPE as per assessment. All moving site traffic to be fitted with warning lights and reversing alarms. Correct use of signing and Guarding to accommodate other highway users needs. | <p>Review existing training records of all site operatives. Provision of training records of potential hired contractors/operatives.</p> <p>Monitor that PPE is used in accordance with instruction, training and associated assessment – ref Depot Sharepoint Site, Highways Infrastructure, PPE Assessments Folder.</p> <p>Records of hire equipment will need to be requested, checked and monitored prior to works commencing.</p> | <p>Manager/ Supervisor</p> <p>Manager/ Supervisor</p> <p>Manager/ Supervisor</p> | <p>Commenced 13/02/23</p> <p>Commencement of activity</p> <p>Prior to works commencing</p> | |
| Manual handling | Site operatives. Crush injuries, fractures, cuts, sprains and strains. | Use of Mechanical Aids where possible, including kerb scissor lift attachment for JCB. Correct use of PPE for specific task, including foot protection, hand protection as per PPE assessments. Manual Handling Awareness Training for all operatives is provided | <p>Review training records for all site operatives.</p> <p>Monitor that PPE is used in accordance with instruction, training and associated assessment – ref Depot Sharepoint Site, Highways Infrastructure, PPE Assessments Folder.</p> <p>Monitor correct implementation of work instruction.</p> | <p>Manager /Supervisor</p> <p>Manager/ Supervisor</p> <p>Manager/ Supervisor</p> | <p>Commenced 13/02/23</p> <p>Commencement of activity</p> <p>Commencement of activity</p> | |
| Noise | Site operatives. Noise Induced Hearing Loss | Identified equipment including Cut off saws, compactor plate and breakers generate noise | Monitor correct implementation of work instruction, including use of hearing protection – ref PPE | Manager/ Supervisor | Commencement of | |

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| | | levels in excess of action levels. Hearing protection must be worn by operatives and others in the vicinity. Ear defenders are provided with a SNR of 27 or above. | assessment. Depot Sharepoint Site, Highways Infrastructure, PPE Assessments Folder. | | activity | |
| Hand Arm Vibration | Site Operatives using vibrating equipment. Circulatory problems leading to: Vibration white finger. Lack of feeling in the fingers Lack of grip Pain in hands and arms more noticeable in cold weather | The Council provides health surveillance through initial and annual monitoring for new and existing employees. HAVs Awareness Training. Work rotation to minimise exposure. | HAVs management system to monitor exposure. Train all staff in the new HAV's monitoring system when it is introduced. Being trialed at the moment. Ensure revised toolbox talks are delivered in line with instruction for the use of breakers, compactors and cut off saws prior to work. | Manager/ Supervisor Manager/ Supervisor Manager/ Supervisor | Commence 13/02/21 24/01/23 Prior to works commencing | |
| Dust - including silica dust and debris. Use of dust producing machinery | Operatives Dust/debris. Respiratory conditions | Cut off saw training in the use of the machine and mounting of the abrasive wheels. Refer to individual risk assessment "use of abrasive cutting saw" – Ref use of Abrasive Cutting Saw. Provision and use of RPE for dust producing operations – Ref | Monitor that PPE/RPE is used in accordance with instruction, training and associated assessment – ref Depot Sharepoint Site, Highways Infrastructure, PPE Assessments Folder. | Manager/ Supervisor | At commencement of works | |

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| | | COSHH assessment Silica Dust. | | | | |
| Contact with hot bituminous products and wet concrete. | Operatives. Exposure to hazardous substances including burns. | Protection against accidental contact by the provision of appropriate PPE. ref PPE assessment. Depot Sharepoint Site, Highways Infrastructure, PPE Assessments Folder. | Review of existing COSHH assessments to be carried out for material type. Wear protective clothing at all times and ensure skin is covered whilst laying material. Correct use of PPE | Manager/ Supervisor Manager/ Supervisor | Commenced 13/02/23 At commencement of works | |
| Absence of information, instruction and training, including supervision and monitoring records. | Management and operatives, including non-employees. Non compliance with legislative requirements including risk assessments that are not suitable and sufficient. | Staff training programme in place. Risk assessment and training needs reviews completed. Risk assessments and method statements completed prior to works commencing. | Ensure completion of suitable and sufficient documentation, including RAMS, at hand-over for monitoring of works prior to commencement. | Manager/ Supervisor | Prior to commencement of work | |
| Slips, trips and falls | Site operatives working within immediate area of work. Inclement weather. Loose or uneven materials under foot. Poor housekeeping, including tripping over equipment if not moved after use. Potential for fractures, sprains, strains, cuts and abrasions as a result of falls. | Supervision and monitoring of site activities to ensure site housekeeping maintained. Appropriate PPE to be issued to site operatives. | Ensure operatives are wearing suitable footwear , ref PPE assessment Foot Protection. | Manager/ Supervisor | Commencement of works | |
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Step 5 Review Dates: 2 years or following significant change.

Personal protective equipment (PPE) assessment

This risk assessment form must be completed by managers prior to the supply of PPE. The risk assessment should be retained by management and reviewed whenever there is reason to believe that the assessment is no longer valid.

| | |
|---|--|
| Directorate and Department: | Highways and Network Management Places Directorate |
| Work Location: | Byrom Lane |
| Name of employee or team: | Highway and Network Management |
| 1. Hazard identified: Who is at risk and how? | Debris falling from height, Machine strike. |
| 2. Specify any part(s) of the body that might be at significant risk | Head |
| 3. What other control measures are currently in place? | Toolbox Talks RAMS |
| 4. How could risk be adequately controlled in any other way without reliance on PPE? | Identify safe distances of work |
| 5. What type of PPE is required? | Head protection |
| 6. Do any British / European Standards apply? State if applicable | EN397:2012 + A1:2012 |
| 7. What characteristics/performance is required of the PPE, e.g. heat resistant, impermeable, tear resistant etc? | Impact resistant |
| 8. Have users been consulted over selection of PPE? What arrangements are in place? | Toolbox talks for given task. |
| 9. Specify the type of PPE selected | Protective Headwear |

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| 10. Who are the manufacturer and supplier? | Centurion |
| 11. What is the product reference number or Model/Type number? | 271189 |
| 12. What storage arrangements are in place? | Stored in on site welfare unit |
| 13. Detail the maintenance/cleaning routine (if applicable)? | Wipe clean |
| 14. What checks are required before use and who does this? | Head size supplied by individual |
| 15. How and when are users informed that PPE is needed? | Toolbox talks RAMS |
| 16. How is PPE selected as suitable for each individual user including correct size and fit? | Fit test, Units are adjustable |
| 17. Are there any limitations on use of the provided PPE? Detail any limitations. | To be used in accordance of RAMS |
| 18. Will use of the PPE give rise to any additional risk? If yes, how? | No |
| 19. When is sufficient instruction and guidance provided on correct use, maintenance, and storage of the PPE? Provide detail of any instruction or training. | Toolbox talks |
| Assessed by (name): | XXXX |
| Date of Assessment: | 7/5/21 |
| Review date: | 7/5/23 |

Personal protective equipment (PPE) assessment

This risk assessment form must be completed by managers prior to the supply of PPE. The risk assessment should be retained by management and reviewed whenever there is reason to believe that the assessment is no longer valid.

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|---|--|
| Directorate and Department: | Highways and Network Management Places Directorate |
| Work Location: | Byrom Lane |
| Name of employee or team: | Highways and Network Management |
| 1. Hazard identified: Who is at risk and how? | Noise. Site operatives |
| 2. Specify any part(s) of the body that might be at significant risk | Hearing |
| 3. What other control measures are currently in place? | Timed usage |
| 4. How could risk be adequately controlled in any other way without reliance on PPE? | Partly reduced buy manufacturer exhaust systems of given machinery |
| 5. What type of PPE is required? | Ear Muffs |
| 6. Do any British / European Standards apply? State if applicable | |
| 7. What characteristics/performance is required of the PPE, e.g. heat resistant, impermeable, tear resistant etc? | Be required to protect hearing from machinery used on site. |
| 8. Have users been consulted over selection of PPE? What arrangements are in place? | Tool box talks |
| 9. Specify the type of PPE selected | 3M Peltor Optime III Ear Muffs |

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| 10. Who are the manufacturer and supplier? | 3M |
| 11. What is the product reference number or Model/Type number? | H540A-411-SV |
| 12. What storage arrangements are in place? | Stored in on site welfare unit. |
| 13. Detail the maintenance/cleaning routine (if applicable)? | Wipe clean |
| 14. What checks are required before use and who does this? | Check for secure fitting to ears and band around head. |
| 15. How and when are users informed that PPE is needed? | Toolbox talks on given task. RAMS |
| 16. How is PPE selected as suitable for each individual user including correct size and fit? | Individual fit test. |
| 17. Are there any limitations on use of the provided PPE? Detail any limitations. | Noise above 110 dB |
| 18. Will use of the PPE give rise to any additional risk? If yes, how? | No |
| 19. When is sufficient instruction and guidance provided on correct use, maintenance, and storage of the PPE? Provide detail of any instruction or training. | Toolbox talks |
| Assessed by (name): | XXXX |
| Date of Assessment: | 7/5/21 |
| Review date: | 7/5/23 |

Personal protective equipment (PPE) assessment

This risk assessment form must be completed by managers prior to the supply of PPE. The risk assessment should be retained by management and reviewed whenever there is reason to believe that the assessment is no longer valid.

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| Directorate and Department: | Highways and Network Management Places Directorate |
| Work Location: | Byrom Lane |
| Name of employee or team: | Highway Management |
| 1. Hazard identified: Who is at risk and how? | Vehicle Strike |
| 2. Specify any part(s) of the body that might be at significant risk | Person |
| 3. What other control measures are currently in place? | Site signage] |
| 4. How could risk be adequately controlled in any other way without reliance on PPE? | Traffic Mangement |
| 5. What type of PPE is required? | High Visibility Clothing |
| 6. Do any British / European Standards apply? State if applicable | ENISO20471:2013 |
| 7. What characteristics/performance is required of the PPE, e.g. heat resistant, impermeable, tear resistant etc? | Be required to protect operatives from traffic and other Highway users |
| 8. Have users been consulted over selection of PPE? What arrangements are in place? | Toolbox talks |
| 9. Specify the type of PPE selected | High Visibility Vest |

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| 10. Who are the manufacturer and supplier? | Super Touch |
| 11. What is the product reference number or Model/Type number? | 35241-7- |
| 12. What storage arrangements are in place? | Stored in on site welfare unit. |
| 13. Detail the maintenance/cleaning routine (if applicable)? | Washable x 25 |
| 14. What checks are required before use and who does this? | Check for correct size requirements |
| 15. How and when are users informed that PPE is needed? | Toolbox talks on given task. RAMS |
| 16. How is PPE selected as suitable for each individual user including correct size and fit? | Individual fit test. |
| 17. Are there any limitations on use of the provided PPE? Detail any limitations. | Greater specification required for higher classification of road |
| 18. Will use of the PPE give rise to any additional risk? If yes, how? | No |
| 19. When is sufficient instruction and guidance provided on correct use, maintenance, and storage of the PPE? Provide detail of any instruction or training. | Toolbox talks |
| Assessed by (name): | XXXX |
| Date of Assessment: | 7/5/21 |
| Review date: | 7/5/23 |

Personal protective equipment (PPE) assessment

This risk assessment form must be completed by managers prior to the supply of PPE. The risk assessment should be retained by management and reviewed whenever there is reason to believe that the assessment is no longer valid.

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| Directorate and Department: | Highways and Network Management Places Directorate |
| Work Location: | Byrom Lane |
| Name of employee or team: | Highway Network Management |
| 1. Hazard identified: Who is at risk and how? | Slips,heat,chemicals |
| 2. Specify any part(s) of the body that might be at significant risk | Feet |
| 3. What other control measures are currently in place? | Toolbox Talks RAMS |
| 4. How could risk be adequately controlled in any other way without reliance on PPE? | None |
| 5. What type of PPE is required? | Foot protection |
| 6. Do any British / European Standards apply? State if applicable | ENISO20345:2011S3SRCWR |
| 7. What characteristics/performance is required of the PPE, e.g. heat resistant, impermeable, tear resistant etc? | Grip,heat resistant to 200 Celcius, toe protection, puncture protection, waterproof |
| 8. Have users been consulted over selection of PPE? What arrangements are in place? | Toolbox talks for given task. |
| 9. Specify the type of PPE selected | Protective footwear |

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| 10. Who are the manufacturer and supplier? | Rock Fall |
| 11. What is the product reference number or Model/Type number? | RF460 |
| 12. What storage arrangements are in place? | Stored in on site welfare unit |
| 13. Detail the maintenance/cleaning routine (if applicable)? | Wipe clean |
| 14. What checks are required before use and who does this? | Foot size supplied by individual |
| 15. How and when are users informed that PPE is needed? | Toolbox talks RAMS |
| 16. How is PPE selected as suitable for each individual user including correct size and fit? | Fit test |
| 17. Are there any limitations on use of the provided PPE? Detail any limitations. | Not to be used for wading |
| 18. Will use of the PPE give rise to any additional risk? If yes, how? | No |
| 19. When is sufficient instruction and guidance provided on correct use, maintenance, and storage of the PPE? Provide detail of any instruction or training. | Toolbox talks |
| Assessed by (name): | XXXX |
| Date of Assessment: | 7/5/21 |
| Review date: | 7/5/23 |

Personal protective equipment (PPE) assessment

This risk assessment form must be completed by managers prior to the supply of PPE. The risk assessment should be retained by management and reviewed whenever there is reason to believe that the assessment is no longer valid.

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|---|--|
| Directorate and Department: | Highways and Network Management Places Directorate |
| Work Location: | Byrom Lane |
| Name of employee or team: | Highways and Network Management |
| 1. Hazard identified: Who is at risk and how? | Operatives. Cuts/Abrasions |
| 2. Specify any part(s) of the body that might be at significant risk | Hands |
| 3. What other control measures are currently in place? | Manual Handling Training |
| 4. How could risk be adequately controlled in any other way without reliance on PPE? | Use of mechanical lifting aids where possible |
| 5. What type of PPE is required? | Hand Protection |
| 6. Do any British / European Standards apply? State if applicable | EN388 |
| 7. What characteristics/performance is required of the PPE, e.g. heat resistant, impermeable, tear resistant etc? | Tear resistance level 4/ exceptional grip characteristics. |
| 8. Have users been consulted over selection of PPE? What arrangements are in place? | Toolbox talks for given task. |
| 9. Specify the type of PPE selected | Gloves |

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| 10. Who are the manufacturer and supplier? | Portwest |
| 11. What is the product reference number or Model/Type number? | A100R8RL |
| 12. What storage arrangements are in place? | Stored in on site welfare unit |
| 13. Detail the maintenance/cleaning routine (if applicable)? | Reuseable |
| 14. What checks are required before use and who does this? | Fit test by individual/supervisor |
| 15. How and when are users informed that PPE is needed? | Toolbox talks RAMS |
| 16. How is PPE selected as suitable for each individual user including correct size and fit? | Fit test |
| 17. Are there any limitations on use of the provided PPE? Detail any limitations. | Not to be used for welding |
| 18. Will use of the PPE give rise to any additional risk? If yes, how? | No |
| 19. When is sufficient instruction and guidance provided on correct use, maintenance, and storage of the PPE? Provide detail of any instruction or training. | Toolbox talks |
| Assessed by (name): | XXXX |
| Date of Assessment: | 7/5/21 |
| Review date: | 7/5/23 |

Personal protective equipment (PPE) assessment

This risk assessment form must be completed by managers prior to the supply of PPE. The risk assessment should be retained by management and reviewed whenever there is reason to believe that the assessment is no longer valid.

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|---|--|
| Directorate and Department: | Highways and Network Management Places Directorate |
| Work Location: | Byrom Lane |
| Name of employee or team: | Highways and Network Management |
| 1. Hazard identified: Who is at risk and how? | Operatives. Dust containing silica Respiratory disease |
| 2. Specify any part(s) of the body that might be at significant risk | Respiratory system. |
| 3. What other control measures are currently in place? | Water suppression for dust used on cutting tools |
| 4. How could risk be adequately controlled in any other way without reliance on PPE? | Must be used in conjunction with water suppression or dust extraction systems. |
| 5. What type of PPE is required? | Filtering Face Piece dust mask FFP3 |
| 6. Do any British / European Standards apply? State if applicable | EN149 |
| 7. What characteristics/performance is required of the PPE, e.g. heat resistant, impermeable, tear resistant etc? | To be able to reduce harmful dust entering the respiratory system. |
| 8. Have users been consulted over selection of PPE? What arrangements are in place? | Toolbox talks |
| 9. Specify the type of PPE selected | Filtering Face Piece dust mask FFP3 |

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| 10. Who are the manufacturer and supplier? | 3M other equivalent types from other manufactures may be used. |
| 11. What is the product reference number or Model/Type number? | FFP3 |
| 12. What storage arrangements are in place? | Stored in welfare units located on site or in works vehicles. |
| 13. Detail the maintenance/cleaning routine (if applicable)? | Non maintenance, disposal face masks. |
| 14. What checks are required before use and who does this? | Operative makes visual checks for obvious defects. |
| 15. How and when are users informed that PPE is needed? | Toolbox talks for item of machinery. |
| 16. How is PPE selected as suitable for each individual user including correct size and fit? | Face fit tests for operatives. |
| 17. Are there any limitations on use of the provided PPE? Detail any limitations. | Not reusable |
| 18. Will use of the PPE give rise to any additional risk? If yes, how? | Operatives with facial hair may not be able to achieve a reliable seal. |
| 19. When is sufficient instruction and guidance provided on correct use, maintenance, and storage of the PPE? Provide detail of any instruction or training. | Pre site operative meeting and Toolbox talks for particular use of machinery. Correct use is also provided by face fit testing. |
| Assessed by (name): | XXXX |
| Date of Assessment: | 11/5/21 |
| Review date: | 11/5/23 or following significant change. |

Personal protective equipment (PPE) assessment

This risk assessment form must be completed by managers prior to the supply of PPE. The risk assessment should be retained by management and reviewed whenever there is reason to believe that the assessment is no longer valid.

| | |
|---|--|
| Directorate and Department: | Highways and Network Management Places Directorate |
| Work Location: | Byrom Lane |
| Name of employee or team: | Highways and Network Management |
| 1. Hazard identified: Who is at risk and how? | Air Bourne Debris. Site operatives |
| 2. Specify any part(s) of the body that might be at significant risk | Eyes |
| 3. What other control measures are currently in place? | Safety guards applied to machinery |
| 4. How could risk be adequately controlled in any other way without reliance on PPE? | None |
| 5. What type of PPE is required? | Eye protection |
| 6. Do any British / European Standards apply? State if applicable | EN166 |
| 7. What characteristics/performance is required of the PPE, e.g. heat resistant, impermeable, tear resistant etc? | Shatter/Scratch resistance |
| 8. Have users been consulted over selection of PPE? What arrangements are in place? | Toolbox talks for given task. |
| 9. Specify the type of PPE selected | Eye Glasses |

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| 10. Who are the manufacturer and supplier? | 3M |
| 11. What is the product reference number or Model/Type number? | GG501S |
| 12. What storage arrangements are in place? | Stored in on site welfare unit |
| 13. Detail the maintenance/cleaning routine (if applicable)? | Wipe clean |
| 14. What checks are required before use and who does this? | Face fit test by individual/supervisor |
| 15. How and when are users informed that PPE is needed? | Toolbox talks RAMS |
| 16. How is PPE selected as suitable for each individual user including correct size and fit? | Face fit test |
| 17. Are there any limitations on use of the provided PPE? Detail any limitations. | Not to be used for welding |
| 18. Will use of the PPE give rise to any additional risk? If yes, how? | No |
| 19. When is sufficient instruction and guidance provided on correct use, maintenance, and storage of the PPE? Provide detail of any instruction or training. | Toolbox talks |
| Assessed by (name): | XXXXXX |
| Date of Assessment: | 7/5/21 |
| Review date: | 7/5/23 |

Site overview – Footway Scheme - Byrom Lane, Lowton, Leigh.



1. INTRODUCTION

The purpose of this overview is to describe the process and sequencing to allow the safe execution of duties to enable the footways ay Byrom Lane Lowton to be improved by resurfacing with recycled stone, recycled foam binder course and a bitumen surface course.

2. DESCRIPTION OF OVERALL WORKS

The overall scheme works consist of the following to upgrade the existing flagged footway;

- General drainage
- kerbing.
- Footway construction.
- Iron work

To enable the construction works to take place on site will also require the set up and take down of;

- Temporary traffic management with pedestrian management incorporated in this.

3. Site overview

This overview deals with the resurfacing of the footpath between property number 16 and finishing at property number 36 Byrom, Lane Lowton. The site compound will offer material and equipment storage and a welfare unit. The proposed site compound is based in the grounds of Pennington Flash, Leigh. Information letters will be delivered to all residents prior to the commencement date to advise that works will be starting in this area. Proposed works will start on site on 18 February and will be completed on the 19th of February 2023, for a duration of two days.

Traffic/Planning Restrictions

The project involves working on Byrom Lane, front of properties 16 to 36. Byrom Lane is classed as medium trafficked and is a cut through from Slag Lane to St Helens road.

Full detailed TM plans will be submitted by Golden Orb Traffic Management Contractor to the works Supervisor for comment/approval prior to installation. Golden Orb will install, take down, monitor and maintain the traffic management for the duration of the works. All traffic control shall be agreed before implementation with the local authority.

Prior to the start of works on site the traffic management will be set out by Golden Orb in accordance with the pre-agreed traffic management plans.

Existing Services

The extent of the statutory undertakers known existing plant is shown on drawings provided to the team leader on site and are for guidance purposes only. All live services on site will have their locations confirmed by using existing searches information along with the use of suitable detection equipment and safe hand digging practices.

Specific attention to the requirements of all the relevant statutory undertakers when working adjacent to their plant and (or) services will be employed. Training relating to working around and identifying underground services is ongoing as of 13/2/23 and should be referred to along with service plans for the duration of the works.

Avoiding Underground services is also covered in the RA for Use of Abrasive Cutting Saw.

Work Activities

Excavate footway

Lay stone

Adjust iron work

Lay Foam Binder

Lay surface course

Jet to clear surface water drain

Clear site

PPE – Hi viz, eye protection, ear protection, dust masks, foot protection, protective clothing, hard hats where necessary, hand protection.

Tools and Equipment – Shovels, rakes, picks, hammer, chisel, maul, abrasive wheels, vibrating plate, pneumatic breaker, sit on roller, spirit level.

COSHH – Bitumen, cement, cement bound materials, concrete, fuel, dust.

Compound/Welfare area

The compound set up in the grounds of Pennington Flash Country Park

The line, and extent of the proposed compound will be set out by the site supervisor and approved by the client.

On approval, heras type security fencing or pedestrian barriers shall be installed by Wigan Council competent operatives.

On completion, appropriate regulatory and advisory signage will be placed to the security fencing and affixed to reduce unintentional removal

The Access/Egress route shall be means of security gate fencing and remain locked during all none working periods to dissuade unauthorised entry

If applicable, the existing topsoil shall be stripped and banded for reintroduction on completion of project

Once the proposed site compound has been made secure, delivery of the proposed site accommodation units will take place,

All site accommodation units and associated generator/ banded fuel tanks will be resourced and delivered to site by a specialist supplier, the units will be offloaded by Hiab method to the designated locations as set out by site Team Leader.

Once sited, all accommodation units will be commissioned and tested by an approved Technician.

Signage will be placed denoting plant storage, material set down, arisings stockpile.

All fuel driven plant shall be stored in a suitable area.

Appropriate tested fire extinguishers shall be placed at locations as determined by the site manager.

On completion of the permanent works, the reverse of the actions detailed above shall be employed to return the location to its previous condition

The site accommodation including generators, storage containers etc. will be decommissioned, and removed from suite, all materials and arisings will be removed, for retention or removed to a licensed recycling facility

All security fencing will be de constructed and removed from site

4. TEMPORARY ACCESS

Access and egress shall be through the site Traffic Management entrance and the installed at each end of the working area.

On egress from the site, all site traffic must be under the control of a banksman. Due to the constraints of the site a temporary walkway cannot be provided. In lieu of this all pedestrians will be guided safely through the work by onsite staff. The residents living at or visiting the properties within the limits of the works will be given access and egress, at all times.

5. PROGRAMME

The contract works will start on the 18 February 2023

Durations 2 Days

Site establishment – 2 Days

Main site works 2 Days.

A copy of the works programme will be supplied to the client on a separate document.

6. SUPERVISION

The works will be supervised/monitored by the Contracts Manager and Project Engineer.

Contracts manager

Project Engineer

7. LABOUR

Workforce:

- Site establishment-4 to 6 operatives including visiting delivery personnel and contractors.
- Permanent works-4 to 10 operatives –Including visiting delivery personnel and contractors.
- Site decommissioning-4 to 6 operatives including visiting delivery personnel and contractors.

8. PLANT AND MATERIALS

- • Heras type fencing/Pedestrian barriers
- • Accommodation/Welfare units/Storage containers
- • Wagon mounted Hiab
- • Backhoe excavator
- • Planer
- • Paver
- • Rollers
- • Various small tools
- • Diesel Petrol Fuel
- • Concrete products (kerbs)
- • Bituminous materials
- • Plastic drainage pipes/gully pots

Plant operatives to be competent. Plant checks will be done daily by the plant operator

9. RISK ASSESSMENTS AND REGISTERS

Risk Assessments and PPE assessments are covering the following will be supplied to the onsite team.

Risk assessment for Bryom Lane, Lowton works

Ear protection

Eye protection

Foot protection

Hand protection

Dust masks

Manual handling

Use of concrete products

Use of bituminous materials

Use of abrasive wheel

Mandatory PPE consists of high visibility clothing, safety footwear, gloves and safety footwear. A supply of PPE will be held on site and all issues of PPE to personnel will be recorded in the PPE Register.

The Team Leader will keep a site diary documenting all site activity.

10. EMERGENCY PROCEDURES

Any accidents, incidents or near misses will be reported to the Contracts Manager and Wigan Council's Health and Safety Advisor.

First aid kits will be held in the site welfare unit.

Nearest A&E is Royal Albert and Edward Infirmary, Wigan Lane, Wigan WN1 2NN
01942 244000
Or Leigh NHS Walk-In Centre, The Avenue, Leigh WN7 1HR

Emergency services call 999

11. EMERGENCY CONTACTS

Contracts Manager
Project Engineer
Operational Manager
Highways Asset Manager

Emergency Services 999

RISK ASSESSMENT FORM

| | | |
|--|--|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highway and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of Compaction Plate | | Reference No: Highways 19 |

| ACTIVITY / HAZARD | RISKS IDENTIFIED (Effects of hazard, e.g. fracture, sprain, cuts, bruises etc) | ACTION ALREADY TAKEN TO REDUCE THE RISK (Control measures) | EVALUATION OF RISK H – High M – Medium L - Low | ARE THE CONTROL MEASURES ADEQUATE YES / NO | FURTHER ACTION REQUIRED (If existing controls are inadequate) |
|--------------------|--|---|---|---|---|
| Hand Arm Vibration | Circulatory problems leading to: - Lack of feeling in the fingers Lack of grip Pain in hands and arms more noticeable in cold weather | HAV Awareness Training HAVs management system to monitor condition Trigger Times adhered to Work rotation to minimize exposure Correct use of PPE | L | YES | |
| Flammable Liquids | Explosion, death, serious burns | Basic training in the safe use of flammable products Liquids to be stored in the correct containers Correct use of PPE | M | YES | |



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RISK ASSESSMENT FORM

| | | |
|--|--|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highway and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of Compaction Plate | | Reference No: Highways 19 |

| | | | | | |
|--------------------|--|---|---|-----|--|
| General handling | Injury due to mishandling, poor storage or maintenance | Correct storage procedure to be followed Correct use of PPE Appropriate handling of the equipment Ensure that two people lift the plate of the vehicle Correct handling and lifting procedures to be followed. Ensure Care is taken when lifting on and off vehicle. Two man operation where possible | L | YES | |
| Failure of Machine | Serious injury | Ensure all moving parts are covered Pre start checks required | M | YES | |
| Noise | Damage to hearing/deafness | Ear Protection to be worn where necessary Correct use of PPE | L | YES | |

EVALUATION OF RISK

| | |
|---------------|---|
| HIGH | Where it is more likely or near certain that harm will occur resulting in a serious injury, e.g. fatality, fracture |
| MEDIUM | Where there is the potential for harm or injury to occur, e.g. sprains resulting in absence from work |
| LOW | Slight risk, where minor injury/harm may seldom occur, e.g. bruising, small cut |

| | | |
|--|-------------------|----------------------------------|
| Name and Job Title of Assessor(s): Contracts Manager - Highway and Network Management | Signature(s):XXXX | Date of Assessment: December2022 |
|--|-------------------|----------------------------------|



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RISK ASSESSMENT FORM

| | | |
|---|---|--|
| Service Area: Places Directorate | Division/Section: Highway and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of Compaction Plate | | Reference No: Highways 19 |

| | | |
|---|-----------------------|--------------------------------------|
| Name of Manager: Operational Manager Highways and Network Management | Signature:XXXX | Date of Review: December 2024 |
|---|-----------------------|--------------------------------------|

RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of Vibrating Roller | | Reference No: Highways 18 |

| ACTIVITY / HAZARD | RISKS IDENTIFIED (Effects of hazard, e.g. fracture, sprain, cuts, bruises etc) | ACTION ALREADY TAKEN TO REDUCE THE RISK (Control measures) | EVALUATION OF RISK H – High M – Medium L - Low | ARE THE CONTROL MEASURES ADEQUATE YES / NO | FURTHER ACTION REQUIRED (If existing controls are inadequate) |
|----------------------|---|--|---|---|---|
| Hand Arm Vibration | Circulatory problems leading to: - Lack of feeling in the fingers Lack of grip Pain in hands and arms, more noticeable in cold weather | HAVs Awareness Training HAVs management system to monitor condition Trigger Times adhered to Work rotation to minimize exposure Correct use of PPE | L | YES | |
| Flammable Liquids | Explosion, death, serious burns | Basic training in the safe use of flammable products Liquids to be stored in the correct containers Correct use PPE | M | YES | |
| Failure of Equipment | Serious injury | Pre-start checks before operation Ensure all moving parts are covered | M | YES | |
| Noise | Damage to hearing / deafness | Ear Protection to be worn at all times Correct use of PPE | L | YES | |



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RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of Vibrating Roller | | Reference No: Highways 18 |

| | | | | | |
|-----------------|--|---|---|-----|--|
| Manual Handling | Musculoskeletal injuries Injury due to mishandling, poor storage or maintenance | Care to be taken when operating the roller Correct storage procedure to be followed Correct use of PPE Appropriate handling of the equipment | L | YES | |
|-----------------|--|---|---|-----|--|

EVALUATION OF RISK

| | |
|---------------|---|
| HIGH | Where it is more likely or near certain that harm will occur resulting in a serious injury, e.g. fatality, fracture |
| MEDIUM | Where there is the potential for harm or injury to occur, e.g. sprains resulting in absence from work |
| LOW | Slight risk, where minor injury/harm may seldom occur, e.g. bruising, small cut |

| | | |
|--|--------------------|------------------------------------|
| Name and Job Title of Assessor(s): Contracts Manager - Highway and Network Management | Signature(s): XXXX | Date of Assessment: December 2022 |
| Name of Manager: Operational Manager Highways and Network Managent | Signature: XXXX | Date of Assessment : December 2024 |

RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of 360' Excavator (JCB) | | Reference No: Highways 17 |

| ACTIVITY / HAZARD | RISKS IDENTIFIED (Effects of hazard, e.g. fracture, sprain, cuts, bruises etc) | ACTION ALREADY TAKEN TO REDUCE THE RISK (Control measures) | EVALUATION OF RISK H – High M – Medium L - Low | ARE THE CONTROL MEASURES ADEQUATE YES / NO | FURTHER ACTION REQUIRED (If existing controls are inadequate) |
|--------------------------------|--|---|---|---|---|
| Pedestrians / other road users | Disruption / collision by other road users and pedestrians | First line assessment by driver as to whether it will be safe to operate. Chapter 8 Safety at Street Works and Road works Training Correct use of signing and guarding to ensure that the public are kept to a safe distance Correct use of PPE Use of specialist sub contractors for more complex requirements | M | YES | |
| Operation of Equipment | Major Injury. Falls from platform | Requisite licenses for operation Safe working method for operation Awareness Training for all staff Certificate of Competence Daily safety inspections and checks of equipment Correct use of PPE | H | YES | |



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RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of 360' Excavator (JCB) | | Reference No: Highways 17 |

| | | | | | |
|----------------------|-----------------------------|---|---|-----|--|
| Failure of Equipment | Major Injury | Daily safety inspections of equipment Regular servicing | L | YES | |
| Underground services | Electric Shock Explosion | Use of Utility Plans when excavating below 200mm Use of Cable Locating Tools Toolbox talk on avoidance of underground services. | H | YES | |

EVALUATION OF RISK

| | |
|---------------|---|
| HIGH | Where it is more likely or near certain that harm will occur resulting in a serious injury, e.g. fatality, fracture |
| MEDIUM | Where there is the potential for harm or injury to occur, e.g. sprains resulting in absence from work |
| LOW | Slight risk, where minor injury/harm may seldom occur, e.g. bruising, small cut |

| | | |
|--|-------------------|----------------------------------|
| Name and Job Title of Assessor(s): Contracts Manager - Highway and Network Management | Signature(s):XXXX | Date of Assessment: December2022 |
| Name of Manager: Operational Manager Highways and Network Management | Signature:XXXX | Date of Review: December2024 |

RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of Stihl Type Cutting Saw | | Reference No: Highways 08 |

| ACTIVITY / HAZARD | RISKS IDENTIFIED (Effects of hazard, e.g. fracture, sprain, cuts, bruises etc) | ACTION ALREADY TAKEN TO REDUCE THE RISK (Control measures) | EVALUATION OF RISK H – High M – Medium L - Low | ARE THE CONTROL MEASURES ADEQUATE YES / NO | FURTHER ACTION REQUIRED (If existing controls are inadequate) |
|----------------------|--|--|---|---|---|
| Underground services | Electric Shock Explosion | Use of Utility Plans when excavating below 200mm Use of Cable Locating Tools Toolbox talk on avoidance of underground services | H | YES | |
| Hand Arm Vibration | Circulatory problems leading to: - Lack of feeling in the fingers Lack of grip Pain in hands and arms more noticeable in cold weather | HAVs Awareness Training HAVs management system to monitor condition Trigger Times adhered to Work rotation to minimize exposure Correct use of PPE | L | YES | |

RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of Stihl Type Cutting Saw | | Reference No: Highways 08 |

| | | | | | |
|-------------------------------------|---|---|---|-----|--|
| Dust fumes sparks | Respiratory damage, eye damages, breathing difficulties | Dust masks and eye protection to be worn Use of water suppression kits at all times Correct use of PPE Check proximity of pedestrians and other road users to working area to minimize exposure to dust, fumes and sparks. Use of face masks at all times Use of goggles at all times Correct dust suppression methods used where appropriate Correct use of PPE Toolbox talk on dust suppression methods | M | YES | |
| Flammable Liquids | Explosion, death, serious burns | Basic training in the safe use of flammable products Liquids to be stored in the correct containers Correct use of PPE | M | YES | |
| Unsafe fitting of serviceable parts | Serious injury | Stihl Saw competence certificate Correct use of PPE Toolbox talk | M | YES | |
| Noise | Damage to hearing/deafness | Ear Protection to be worn where necessary Correct use of PPE | L | YES | |



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RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Use of Stihl Type Cutting Saw | | Reference No: Highways 08 |

| | | | | | |
|--------------------|--|---|---|-----|--|
| General handling | Injury due to mishandling, poor storage or maintenance | Correct storage procedure to be followed Correct use of PPE Appropriate handling of the equipment | L | YES | |
| Hand Arm Vibration | Circulatory problems leading to: - Lack of feeling in the fingers Lack of grip Pain in hands and arms more noticeable in cold weather | HAV Awareness Training HAVs management system to monitor condition Trigger Times adhered to Work rotation to minimize exposure Correct use of PPE | L | YES | |

EVALUATION OF RISK

| | |
|---------------|---|
| HIGH | Where it is more likely or near certain that harm will occur resulting in a serious injury, e.g. fatality, fracture |
| MEDIUM | Where there is the potential for harm or injury to occur, e.g. sprains resulting in absence from work |
| LOW | Slight risk, where minor injury/harm may seldom occur, e.g. bruising, small cut |

| | | |
|--|-------------------|-----------------------------------|
| Name and Job Title of Assessor(s): Contracts Manager - Highway and Network Management | Signature(s):XXXX | Date of Assessment: December 2022 |
| Name of Manager: Operational Manager Highways and Network Management | Signature: XXXX | Date of Review: Dec 2024 |

RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Excavate and Remove Flags | | Reference No: Highways 06 |

| ACTIVITY / HAZARD | RISKS IDENTIFIED (Effects of hazard, e.g. fracture, sprain, cuts, bruises etc) | ACTION ALREADY TAKEN TO REDUCE THE RISK (Control measures) | EVALUATION OF RISK H – High M – Medium L - Low | ARE THE CONTROL MEASURES ADEQUATE YES / NO | FURTHER ACTION REQUIRED (If existing controls are inadequate) |
|-------------------------------|--|--|---|---|---|
| Breaking of Flags | Eye injuries, sharp edges, cuts, bruises | Gloves and Goggles to be worn when breaking flags for manual loading Correct use of PPE | M | YES | |
| Pedestrians /other road users | Disruption/collision by other road users | Chapter 8 Safety at Street Works and Road works Training Correct use of signing and guarding to ensure that the public are kept to a safe distance Correct use of PPE Use of specialist sub contractors for more complex requirements | M | YES | |
| Noise | Damage to hearing/deafness | Ear Protection to be worn where necessary Correct use of PPE | L | YES | |

RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Excavate and Remove Flags | | Reference No: Highways 06 |

| | | | | | |
|----------------------|--|--|---|-----|--|
| Underground services | Electric Shock Explosion | Use of Utility Plans when excavating below 200mm Use of Cable Locating Tools Toolbox talk on avoidance of underground services | H | YES | |
| Manual handling | Crush injuries, fractures, cuts, strains | Manual Handling Awareness Training Use of Mechanical Aids where Possible Correct use of PPE | L | YES | |
| Hand Arm Vibration | Circulatory problems leading to: - Lack of feeling in the fingers Lack of grip Pain in hands and arms more noticeable in cold weather | HAVs Awareness Training HAVs management system to monitor condition Trigger Times adhered to Work rotation to minimize exposure Correct use of PPE | L | YES | |
| Use of Machinery | Various; Flag lifter, stihl saw, pneumatic drill, hydraulic breaker | Refer to individual risk assessment for each specific piece of machinery Correct use of PPE | H | YES | |

RISK ASSESSMENT FORM

| | | |
|--|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Excavate and Remove Flags | | Reference No: Highways 06 |

| | | | | | |
|-------------|---|--|---|-----|--|
| Dust /Fumes | Inhalation of dust. Respiratory problems | Use of face masks at all times Use of goggles at all times Correct dust suppression methods used where appropriate Correct use of PPE Check proximity of pedestrians and other road users to working area to minimise exposure to dust Toolbox talk on dust suppression methods | L | YES | |
|-------------|---|--|---|-----|--|

EVALUATION OF RISK

| | |
|---------------|---|
| HIGH | Where it is more likely or near certain that harm will occur resulting in a serious injury, e.g. fatality, fracture |
| MEDIUM | Where there is the potential for harm or injury to occur, e.g. sprains resulting in absence from work |
| LOW | Slight risk, where minor injury/harm may seldom occur, e.g. bruising, small cut |

| | | |
|--|--------------------|------------------------------|
| Name and Job Title of Assessor(s): Contracts Manager - Highway and Network Management | Signature(s): XXXX | Date of Assessment: Dec 2022 |
| Name of Manager: Operational Manager - Highways and Network Management | Signature: XXXX | Date of Review: Dec 2024 |

RISK ASSESSMENT FORM

| | | |
|---|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Excavation and Removal of Concrete | | Reference No: Highways 03 |

| ACTIVITY / HAZARD | RISKS IDENTIFIED (Effects of hazard, e.g. fracture, sprain, cuts, bruises etc) | ACTION ALREADY TAKEN TO REDUCE THE RISK (Control measures) | EVALUATION OF RISK H – High M – Medium L - Low | ARE THE CONTROL MEASURES ADEQUATE YES / NO | FURTHER ACTION REQUIRED (If existing controls are inadequate) |
|--------------------------------|--|---|---|---|---|
| Pedestrians / other road users | Disruption/collision by other road users | Chapter 8 Safety at Street Works and Road works Training Correct use of signing and Guarding Correct use of PPE Use of specialist sub contractors for more complex requirements. | M | YES | |
| Underground services | Electric Shock Explosion | Use of Utility Plans when excavating below 200mm Use of Cable Locating Tools Avoidance of underground services toolbox talk | H | YES | |
| Use of Machinery | Various: Stihl saw, hydraulic breaker. | Refer to individual risk assessment for each specific piece of machinery Correct use of PPE | H | YES | |
| Noise | Damage to hearing/deafness | Ear Protection to be worn where necessary Correct use of PPE | L | YES | |



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RISK ASSESSMENT FORM

| | | |
|---|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Excavation and Removal of Concrete | | Reference No: Highways 03 |

| | | | | | |
|--------------------|--|--|---|-----|--|
| Manual Handling | Crush injuries, fractures, cuts, strains | Manual Handling Awareness Training Use of Mechanical Aids where Possible Correct use of PPE | L | YES | |
| Hand Arm Vibration | Circulatory problems leading to: - Lack of feeling in the fingers Lack of grip Pain in hands and arms more noticeable in cold weather | HAV Awareness Training HAVs management system to monitor condition Trigger Times adhered to Work rotation to minimize exposure Correct use of PPE | L | YES | |
| Dust /Fumes | Inhalation of dust. Respiratory problems | Use of face masks at all times Use of goggles at all times Correct dust suppression methods used where appropriate Correct use of PPE Check proximity of pedestrians and other road users to working area to minimise exposure to dust Toolbox talk on dust suppression methods | L | YES | |

EVALUATION OF RISK

| | |
|---------------|---|
| HIGH | Where it is more likely or near certain that harm will occur resulting in a serious injury, e.g. fatality, fracture |
| MEDIUM | Where there is the potential for harm or injury to occur, e.g. sprains resulting in absence from work |



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RISK ASSESSMENT FORM

| | | |
|---|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Excavation and Removal of Concrete | | Reference No: Highways 03 |

| | |
|------------|---|
| LOW | Slight risk, where minor injury/harm may seldom occur, e.g. bruising, small cut |
|------------|---|

| | | |
|--|-------------------|------------------------------|
| Name and Job Title of Assessor(s): Contracts Manager - Highway and Network Management | Signature(s):XXXX | Date of Assessment: Dec 2022 |
| Name of Manager: Operational Manager - Highways and Network Management | Signature: XXXX | Date of Review: Dec 2024 |

RISK ASSESSMENT FORM

| | | |
|---|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Laying of Bituminous Materials | | Reference No: Highways 01 |

| ACTIVITY / HAZARD | RISKS IDENTIFIED (Effects of hazard, e.g. fracture, sprain, cuts, bruises etc) | ACTION ALREADY TAKEN TO REDUCE THE RISK (Control measures) | EVALUATION OF RISK H – High M – Medium L - Low | ARE THE CONTROL MEASURES ADEQUATE YES / NO | FURTHER ACTION REQUIRED (If existing controls are inadequate) |
|--------------------------------|--|--|---|---|---|
| Pedestrians / other road users | Disruption/collision by other road users | Chapter 8 Safety at Street Works and Road works Training Correct use of signing and Guarding Correct use of PPE Use of specialist subcontractors for more complex requirements. | M | YES | |
| Manual handling | Crush injuries, fractures, cuts, strains | Manual Handling Awareness Training Use of Mechanical Aids where Possible Correct use of PPE | L | YES | |

RISK ASSESSMENT FORM

| | | |
|---|---|-------------------------------------|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Laying of Bituminous Materials | | Reference No: Highways 01 |

| | | | | | |
|--------------------|--|---|---|-----|--|
| Hand Arm Vibration | Circulatory problems leading to: - Lack of feeling in the fingers Lack of grip Pain in hands and arms more noticeable in cold weather | HAV Awareness Training HAVs management system to monitor condition Trigger Times adhered to Work rotation to minimize exposure Correct use of PPE | L | YES | |
| Use of Machinery | Various | Refer to individual risk assessment and method statements for each specific piece of machinery Correct use of PPE | H | YES | |
| Heat from Bitumen | Scalds, burns | Wear protective clothing at all times and ensure skin is covered whilst HOT laying material Correct use of PPE | L | YES | |
| | See data / COSHH Sheets for Asphalt and Tackcoat Products | | | | |

EVALUATION OF RISK

| | |
|---------------|---|
| HIGH | Where it is more likely or near certain that harm will occur resulting in a serious injury, e.g. fatality, fracture |
| MEDIUM | Where there is the potential for harm or injury to occur, e.g. sprains resulting in absence from work |
| LOW | Slight risk, where minor injury/harm may seldom occur, e.g. bruising, small cut |

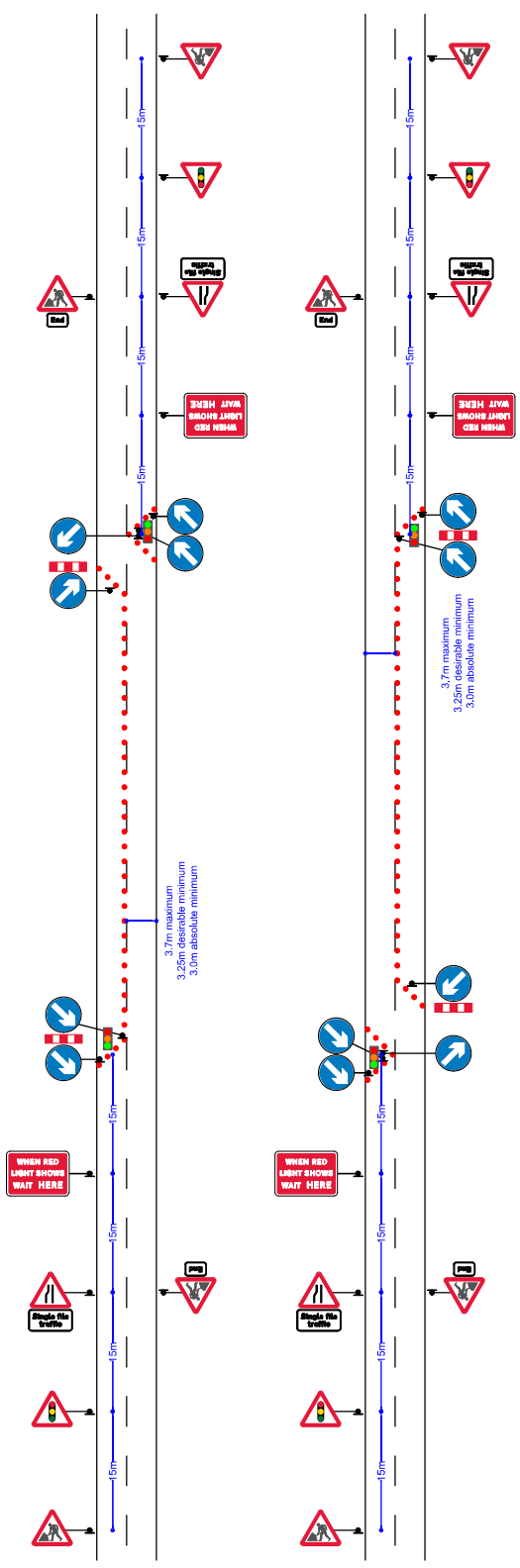
RISK ASSESSMENT FORM

| | | |
|--|--|--|
| Service Area: Places Directorate | Division/Section: Highways and Network Management | Persons at Risk: Employees / Public |
| Task Covered by this Assessment; - Laying of Bituminous Materials | | Reference No: Highways 01 |

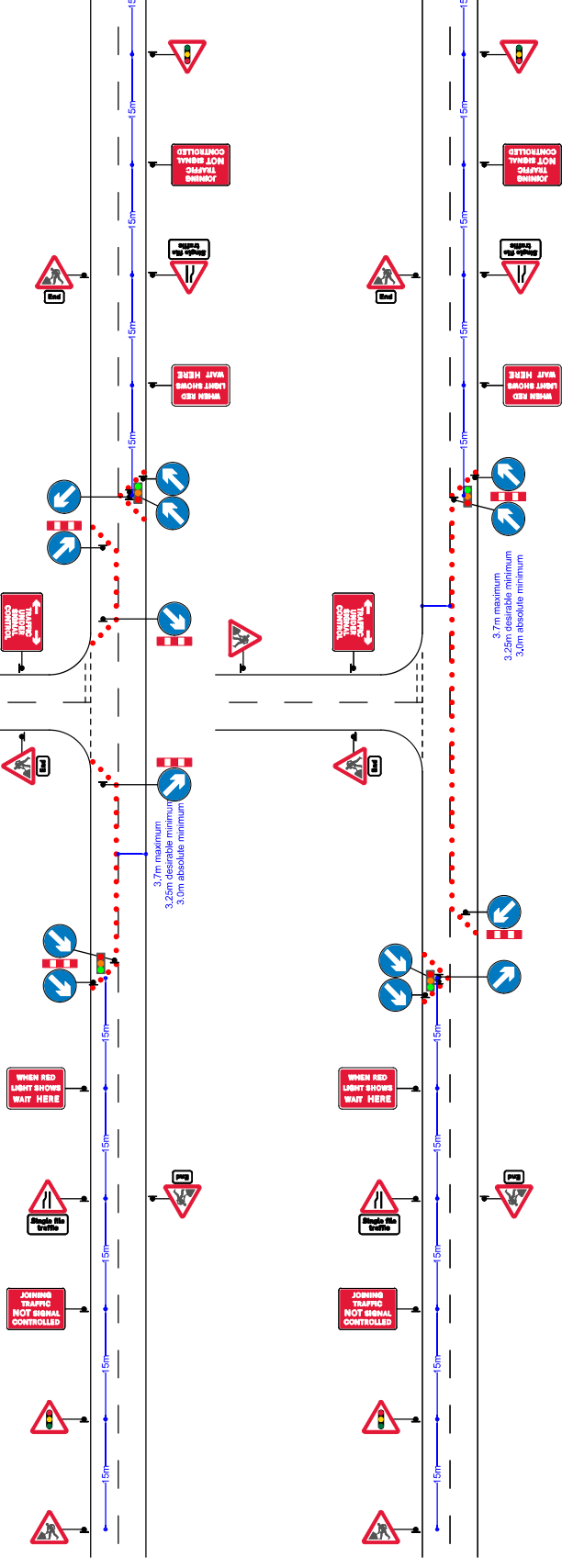
| | | |
|---|---------------------------|-------------------------------------|
| Name and Job Title of Assessor(s): Contracts Manager - Highways and Network Management | Signature(s): XXXX | Date of Assessment: Dec 2022 |
| Name of Manager: Operational Manager – Highways and Network Management | Signature: XXX | Date of Review: Dec 2024 |



30mph or less variant of 2 way traffic lights



30mph or less variant of 2 way traffic lights with TUSC



Golden Orb
Office 12, Beacon House, Unit 0A,
Beacon Business Park,
Lichfield Road,
Stafford,
Staffordshire,
ST16 0WL
WNI 3DS
www.goldenorb.com

Wigan Council
Places Directorate
Environment
Infrastructure
PO Box 100
Wigan,
WNI 3DS
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- NOTES:**
1. All signs and cones to be in accordance with Chapter 8-2009, the TSRGD and current IAN's.
 2. Works access and egress are indicative, exact locations to be agreed on site.
 3. Safety zones are to be installed as required.
 4. All signs to be located so as not to obscure signs or objects and should be ballasted near to ground level using sand filled hessian bags or sign straps.
 5. All sign positions are indicative only and must be accurately positioned on site with good visibility and be clear of and obstructions or vegetation at all times.
 6. Drawing not to scale

BILL OF QUANTITIES:

Note:
Sign with cone and flashing light to be placed in advance of first warning sign in a suitable location

Note:
Hatched Area represents works area

Note:
Works access and egress locations to be agreed prior to Traffic Management installation
Safety zones are to be installed as required

Note:
3,25m Running lane to be maintained

| SPEED OF THE ROAD | |
|-------------------|--|
| 30 | |
| 30 | |
| | |

| Traffic Management | | Generic 2 Way Traffic Lights | |
|--------------------|--|------------------------------|--|
| Drawn By | | Checked By | Road |
| Approved By | | Date Drawn | 15/02/2023 |
| | | Direction | Postcode |
| | | Drawing No | GO-WIGAN-GENERIC-30MPH-2WAYTRAFFICLIGHTS |

Golden Orb
Site Specific Risk Assessment
Byrom Lane, Lowton, Wigan
Installing, Maintaining Removing Static Traffic Management

| INSTALLING, MAINTAINING AND REMOVING STATIC TEMPORARY TRAFFIC MANAGEMENT | | | | GO.TM.SSRA.001 - Byrom Lane | | | | | |
|--|---|---|--|-----------------------------|-------|-----------------------------|-------------|-------|--|
| No. | HAZARD | RISK | RISK LEVEL BEFORE MITIGATION | | | RISK LEVEL AFTER MITIGATION | | | |
| | | | Likelihood | Consequence | Index | Likelihood | Consequence | Index | |
| | | | MITIGATION MEASURE TO BE TAKEN BY DESIGNER | | | | | | |
| 1 | Traffic management operatives working on a live carriageway | TM Operatives at risk of being struck by road user vehicles | 5 | 5 | 25 | 2 | 5 | 10 | TRAFFIC MANAGEMENT OPERATIVES TO BE TRAINED TO THE RELEVANT SECTOR TRAINING SCHEME |
| 2 | Traffic management vehicle operating on a live carriageway | Traffic management vehicle is struck by another road user resulting in injury to the vehicle occupants and/or damage to property. | 5 | 5 | 25 | 2 | 5 | 10 | TRAFFIC MANAGEMENT OPERATIVES TO BE TRAINED TO THE RELEVANT SECTOR TRAINING SCHEME |
| 3 | Traffic management vehicle operating on a live carriageway | Equipment falling from a TM vehicle into a live lane and being struck by a passing motorist resulting in injury to occupants and/or damage to property. | 5 | 5 | 25 | 2 | 5 | 10 | |
| 4 | Working on TM vehicle and vehicles along footways verges and carriageways | Risk of slips, trip, falls | 5 | 5 | 25 | 1 | 5 | 5 | |

Golden Orb
Site Specific Risk Assessment
Byrom Lane, Lowton, Wigan
Installing, Maintaining Removing Static Traffic Management

| INSTALLING, MAINTAINING AND REMOVING STATIC TEMPORARY TRAFFIC MANAGEMENT | | | | GO.TM.SSRA.001 - Byrom Lane | | | | |
|--|---|---|------------------------------|--------------------------------|-------|--|-------------|-------|
| No. | HAZARD | RISK | RISK LEVEL BEFORE MITIGATION | | | RISK LEVEL AFTER MITIGATION | | |
| | | | Likelihood | Consequence | Index | Likelihood | Consequence | Index |
| 5 | Heavy awkward/irregular objects and/or Risk of manual handling injuries | | 5 | 5 | 25 | | | |
| | | | | | | <p>MITIGATION MEASURE TO BE TAKEN BY DESIGNER</p> <p>All employees will receive an induction and onsite training. A single person lift shall not exceed 20kg. Mechanical lifting equipment should be considered especially when multiple lifting operations are required, however only when it is safe and legal to do so. The load should be assessed prior to moving to ensure that it is within the capability of the operative. Taking into account the prevailing weather conditions. When lifting, bend your knees not your back and lift with the legs, keep your back straight and try to avoid twisting whilst carrying. Get a firm grip and keep the load as close to your mid-section as possible. If necessary obtain the assistance of another suitably qualified member of staff. Ensure that all persons undertaking the lift can see clearly where the object is being lifted from and to. A maximum of two cones shall only be filled at a time. Large signs and frames must be filled by a minimum of two operatives. When removing equipment from a rack, check before the retaining barrier/stop is released that the equipment has not moved in transit; if it looks like equipment has moved, request assistance. At all times be in control of frames and signs, whilst handling; do not throw or drop them off the vehicle. The correct gloves will be used based on the activity being undertaken. The Occupational Health Programme monitors employee's level of physical fitness, eyesight and hearing. Persons carrying out these duties shall be physically capable of performing the task safely.</p> | | |
| 6A | Working on TM vehicle | Risk of falls from height from the TM vehicle onto adjacent roadway, or falling from the TM vehicle and/or being struck by a passing vehicle resulting in personal injury to TM Operative | 5 | 5 | 25 | | | |
| | | | | | | <p>Ensure guard rails are fitted and only removed when the vehicle is stationary and only while the vehicle is being loaded or unloaded. All handrails will be checked as part of the vehicle maintenance checks. Where missing, the vehicle will not be used until this has been rectified. If a vehicle is not fitted with handrails, nobody should climb onto the back of the vehicle. Vehicle beds will be routinely inspected for suitability and recorded on the daily vehicle check sheet. Report any vehicle flooring which is in an unsatisfactory condition immediately. Maintain good housekeeping on the TM vehicle at all times. Where a tail lift is fitted, it can be used to get onto and off the vehicle safely. The guard rail on the tail lift must be in place and used. Only use the designated entry points to gain access into or onto the vehicle. Where additional safety steps have been fitted to a vehicle, they must be used. Ensure batteries, lamps, securing straps and safety linetape are stored safely. Ensure there is adequate lighting when working at night or if the light is diminishing.</p> | | |
| 6B | Working on TM vehicle (Continued) | Falls from height from the TM vehicle onto adjacent roadway, or falling from the TM vehicle and/or being struck by a passing vehicle resulting in personal injury to TM Operative (Continued) | 5 | 5 | 25 | | | |
| | | | | | | <p>Do not jump from a vehicle; 3 points of contact must be maintained at all times when gaining access to or exiting a vehicle. Ensure safety boots are fit for purpose and laces tied correctly. Operatives must not stand on the back of a moving vehicle, except where cones are being placed or removed. The placing and removing cones from a moving traffic management vehicle can only be undertaken at low speed using one of the two follow methods: Above level working platform, i.e. coming well or ball lift. From the bed of the vehicle where handrails are in place, cones must be placed to the non-traffic side of the vehicle. Consideration shall be given to the number of people working on the back of the vehicle at any one time. This will not normally exceed 3 persons. All operatives must familiarise themselves with the type of access for different well designs. This familiarisation should be carried out at the start of a shift. The area around the well shall be kept clear of all equipment that may restrict access and egress. (This includes stacked equipment about to be deployed) Consideration should be given to minimising the amount of times during an operation that the well is accessed and egressed.</p> | | |
| 6C | Working on TM vehicle (Continued) | Falls from height from the TM vehicle onto adjacent roadway, or falling from the TM vehicle and/or being struck by a passing vehicle resulting in personal injury to TM Operative (Continued) | 5 | 5 | 25 | | | |
| | | | | | | <p>Vehicle wells shall be closed immediately when not in use. Care shall be taken not to inhibit movement on the rear of vehicles. A clear walking path shall be maintained at all times. During winter period ensure the working area is not slippery, use de-icing salt if required.</p> | | |

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Site Specific Risk Assessment
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Installing, Maintaining Removing Static Traffic Management

| No. | HAZARD | RISK | RISK LEVEL BEFORE MITIGATION | | | | RISK LEVEL AFTER MITIGATION | | | | GO.TM.SSRA.001 - Byrom Lane |
|-----|--|---|------------------------------|-------------|-------|-----------------------------|---|------------|-------------|-------|----------------------------------|
| | | | Likelihood | Consequence | Index | Risk Owner | MITIGATION MEASURE TO BE TAKEN BY DESIGNER | Likelihood | Consequence | Index | |
| 7 | Installing temporary TM | Falls from height onto adjacent pavement, footway, or road surface and/or being struck by a passing vehicle resulting in personal injury to TM Operative. | 5 | 5 | 25 | TM Operative | Operations that require signs to be fixed to street furniture and structures will have a site specific risk assessment. A site specific risk assessment must be conducted for the use of ladders. TM vehicles or safety fence must not be stood on to install signs. Where it is not possible to fit a sign plate into position, signs should be assembled on the ground and lifted into place by a team of operatives. | 1 | 5 | 5 | |
| 8 | Adverse weather conditions | Temporary traffic signs being blown over in high winds into the carriageway and/or NLU's resulting in loss of control type collisions and personal injury to NLU's | 5 | 5 | 25 | TM Operative and Supervisor | Weather forecast checks will be made prior to the start of any works; should the forecast suggest that weather will deteriorate during the works an assessment of the impact will be made. Extra ballast for signs should be provided in high winds. Large signs should not be carried, installed/removed in high winds. Where visibility drops below an acceptable level, works will be suspended. Checked ladders/scaffolds will not be stepped on, is traffic/NLU's will they are swept clear of debris/debris, following completion of works, and during adverse weather such as snow and ice the pavement/footway has been cleared of snow and ice and is to the same suitable standard as adjacent lanes. | 1 | 5 | 5 | |
| 9 | Contractor/TM Operative being left in a live lane | Risk of suspended and/or equipment being struck by a passing vehicle if the carriageway/lane(s) is/are re-opened before the signs and/or equipment are still on it. This places workers at risk of personal injury and property at risk of damage. It also places the highway users travelling along the carriageway at risk of personal injury. Highway users will also be at risk of personal injury due to the presence of the signs. Yelling block be implemented to relieve stranded personnel and/or equipment. | 5 | 5 | 25 | TM Operative and Supervisor | TM Supervisor is to drive/walk the ENTIRE length of all sections of carriageway closed to ensure that all personnel have safely vacated the carriageway and that equipment that is not to be left in-situ in the verge has been removed prior to the restriction being given to remove the TM. | 1 | 5 | 5 | |
| 10 | Reversing vehicles | Risk of being struck by a passing vehicle resulting in personal injury to TM operatives and/or general public and also damage to property | 5 | 5 | 25 | TMV driver | TM installation, removal and maintenance vehicles must be fitted with a reversing alarm and CCTV. All reversing vehicles 3.5T or over must be directed by a reversing assistant, except during the removal of a lane closure. | 1 | 5 | 5 | |
| 11 | Environmental contamination and damage to wildlife | Risk of pollution to water courses and drainage systems and harm to wildlife | 5 | 5 | 25 | TM Operative and Supervisor | All equipment is to be removed from site on completion of the works. All refuelling of vehicles will be undertaken at authorised locations. All materials/chemicals shall be stored in accordance with the manufacturer's instructions. All waste must be removed from site on completion of the works and disposed of in accordance with the Client's/Principle Contractor's Site Waste Management Plan (SWMP). | 1 | 5 | 5 | ENVIRONMENTAL AWARENESS TRAINING |
| 12 | Operatives not knowing the individual roles. | Confusion resulting in TM operatives being on the highway longer than is necessary for the work being installed placing the operatives at risk of being struck by passing vehicles | 5 | 5 | 25 | TM Operative and Supervisor | A start of shift (SOS) briefing will be conducted prior to any work commencing. Operatives will be briefed on the contents of applicable risk assessments and method statements. | 1 | 5 | 5 | |

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Installing, Maintaining Removing Static Traffic Management

| No. | HAZARD | RISK | RISK LEVEL BEFORE MITIGATION | | | | RISK LEVEL AFTER MITIGATION | | | | |
|-----|--|---|------------------------------|-------------|-------|-----------------------------|---|------------|-------------|-------|--------------------------------|
| | | | Likelihood | Consequence | Index | Risk Owner | MITIGATION MEASURE TO BE TAKEN BY DESIGNER | Likelihood | Consequence | Index | |
| 13 | Use of power and/or electric powered tools | Risk of electrocution, explosion and/or burns to TM operatives and passing highway users. | 5 | 5 | 25 | TM Operative | <p>Operatives must be trained and competent in the use of the tools they are expected to use.</p> <p>All electrical power tools must be PAT tested and a record kept. Whenever possible minimise the length of a 240 volt cable being used. To reduce the risk of electrocution, use a 110 Volt control topped transformer or use a residual current device (RCD).</p> <p>Ensure that faulty/damaged equipment is removed from service and repaired or replaced immediately.</p> <p>Do not use power tools near flammable substances or leave them switched on, always consider the risk of electrocution or fire.</p> <p>All operatives are to wear the requisite PPE for the tool they intend to use.</p> | 1 | 5 | 5 | GO.TM.SSRA.001 - Byrom Lane |
| 14 | Confrontation with public/highway users and/or contractors | Risk of personal injury to TM operatives, contractors and/or other highway users. | 5 | 5 | 25 | TM Operative and Supervisor | <p>Be mindful of your surroundings. Do not use foul/obscene language, even between co-workers and keep noise to a minimum, especially in built-up areas as residents are likely to be asleep during the hours of darkness.</p> <p>Remain courteous at all times.</p> <p>Your supervisor and/or site TSCO should be immediately informed of any incident involving a member of the public.</p> <p>The Police must be contacted if a serious incident arises.</p> <p>A site specific risk assessment must be conducted prior to any lone working.</p> <p>Do not try to stop errant vehicles.</p> <p>Consider the site specific use of personal CCTV equipment.</p> | 1 | 5 | 5 | CONFRONTATION TRAINING |
| 15 | Lone working | Risk of personal injury to TM Operative through trips, slips, falls or being struck by a passing vehicle. | 5 | 5 | 25 | TM Operative and Supervisor | <p>Where lone working is undertaken adequate communication must be maintained between both the operative & Supervisor/depot. A specific method statement will be created for each operation. As a minimum this should include:</p> <p>A commo check prior to setting off</p> <p>Details of the name of operative, make/model colour and registration of vehicle being driven being given to the nominated point of contact</p> <p>Operative to report in upon arrival at agreed destination</p> <p>Operative to report in at time intervals not greater than 1 hour giving current status and location.</p> <p>Operative to report in when work is complete confirming that they have left/are leaving their current location and also stating their intended destination.</p> <p>If the operative fails to report in at any point from the nominated point of contact, it is to attempt to make contact with the operative. A non-response will result in the emergency services being called with all of the above details being provided.</p> | 1 | 5 | 5 | |
| 16 | Traffic management equipment causing obstruction | Risk of personal injury to TM operatives, contractors and/or other highway users. | 5 | 5 | 25 | TM Operative | <p>Signs must not obstruct the footway; a minimum of 1.2mtrs must be allowed for pedestrians. However specific consideration must be given to the placing of signs in areas of high volume and/or concentration of NHU's e.g. near schools, shopping precincts and football stadia etc.</p> <p>Signs should be placed behind barrier where possible.</p> <p>Signs must be placed a minimum of 450mm away from live traffic on roads with a permanent speed limit of 40mph and below and 1200mm on roads with a permanent speed limit of 50mph and above.</p> <p>Signs must be secured with sandbags/ballast or secured to barrier with straps or rope. The use of concrete kerbs or similar as ballast is not permitted.</p> <p>Redundant signs must be removed from site, where there are no pedestrians, signs will be laid flat with legs pointing away from the traffic where possible.</p> <p>Flap signs will be flapped closed but remain aloof.</p> <p>Sign planks will not be slotted in between barrier but must be laid flat and secured with ballast.</p> <p>Maintenance checks will be carried out in line with the contract specification.</p> | 1 | 5 | 5 | |

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| | | INSTALLING, MAINTAINING AND REMOVING STATIC TEMPORARY TRAFFIC MANAGEMENT | | | | | GO.TM.SSRA.001 - Byrom Lane | | | |
|-----|---|---|------------------------------|-------------|-------|--|--------------------------------|-------------|-------|---|
| No. | HAZARD | RISK | RISK LEVEL BEFORE MITIGATION | | | MITIGATION MEASURE TO BE TAKEN BY DESIGNER | RISK LEVEL AFTER MITIGATION | | | |
| | | | Likelihood | Consequence | Index | | Likelihood | Consequence | Index | |
| 17A | Undertaking maintenance duties | Risk of being struck by a passing vehicle | 5 | 5 | 25 | No operative should cross the live carriageway where there is permanent speed limit of 40mph or above. If you find yourself in a position whereby you believe you need to cross the live carriageway contact your supervisor immediately. During maintenance tasks the use of the 'Workforce in Road SLOW' sign must be considered. All operatives to be trained or be under the direct supervision of a trained operative. Operatives shall always work as a team of two one operative shall act as a spotter to warn of approaching traffic. Where cone washing is permitted, the cones must be removed one at a time a minimum of 1.2 metres from the live traffic lane to a place of safety and washed, then replaced. Operatives must always face the oncoming traffic; where this is not possible a look-out must be used. All operatives are to wear PPE consisting of high-vis jacket/veil and trousers, safety boots, helmet, safety apron, gipper gloves. The occupational health programme monitors employee's level of physical fitness, eyesight and hearing. Persons carrying out these duties shall be physically capable of performing the task safely. | 1 | 5 | 5 | TRAFFIC MANAGEMENT OPERATIVES TO BE TRAINED TO THE RELEVANT SECTOR TRAINING SCHEME |
| 17B | Undertaking maintenance duties (Continued) | Risk of being struck by a passing vehicle (Continued) | 5 | 5 | 25 | Where possible maintenance task should be undertaken in a safe environment, i.e. a depot or compound away from the live carriageway. During low temperatures, consideration shall be given to suspend water based operations due to the risk of freezing water within the carriageway. | 1 | 5 | 5 | TRAFFIC MANAGEMENT OPERATIVES TO BE TRAINED TO THE RELEVANT SECTOR TRAINING SCHEME |
| 18 | Supervisor working on operational site | Supervisor is injured as a result of being struck resulting in incapacitating injuries unable to carry out their duties | 5 | 5 | 25 | The Lead Operative will assume control of the operation. | 1 | 5 | 5 | |
| 19 | Chemicals used to maintain/operate vehicles | In contact with new or used chemical | 5 | 4 | 20 | Relevant COSHH assessment to be followed at all times | 1 | 2 | 2 | |
| 20 | Chemicals used to maintain/operate vehicles | New or spent chemical is being carried through the watercourse and/or environment | 5 | 4 | 20 | Relevant COSHH assessment to be followed at all times and operatives to be trained in the use of spill kits. Spill kits to be carried on all vehicles and in the depot. Used spill kits are to be deposited in the used spill kit container for safe disposal by an authorised waste management company. | 1 | 2 | 2 | OPERATIVES TO HAVE SPILL KIT USE TRAINING |
| 21 | General public in vicinity of works | Risk of public being injured passing the works | 3 | 3 | 9 | Site staff are to escort members of the public past the works. If required, the works are to stop until the members of the public have safely been escorted past the works area. | 1 | 2 | 2 | |

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|---|---|--|------------------------------|---|------------|--------------------------------|------------------------|
| No. | HAZARD | RISK | RISK LEVEL BEFORE MITIGATION | | Risk Owner | RISK LEVEL AFTER MITIGATION | |
| | | | Likelihood | Consequence | | Likelihood | Consequence |
| | | LIKELIHOOD | CONSEQUENCE | | | | NEXT REVIEW DATE |
| 1 | Improbable - Extremely unlikely to occur in relevant period | | 1 | Significant - Unlikely to have impact on works | | | February 2026 |
| 2 | Remote - Unlikely to occur in relevant period | | 2 | Marginal - Minor first aid incident, or requiring routine maintenance | | | |
| 3 | Occasional - Likely to occur in relevant period | | 3 | Serious - Lost time injury or illness, minor damage to infrastructure or significant environmental effect | | | |
| 4 | Probable - Likely to occur several times in relevant period | | 4 | Critical - Major injury, damage causing delay to network, or major environmental effect | | | |
| 5 | Frequent - Likely regular occurrence in relevant period | | 5 | Catastrophic - Death or major loss, total system failure | | | |
| <p style="text-align: center;">Likelihood & Consequence (See also CRRA SP125)</p> <p style="text-align: center;">Low Risk - Broadly acceptable if all reasonably practicable control measures in place</p> <p style="text-align: center;">Medium Risk - Tolerable only if further mitigation is not reasonable practical and there is need to continue activity with identified controls.</p> <p style="text-align: center;">High Risk - Apply further mitigation measures and/or alter method of work to reduce risk further. Seek Project Director/TM Supervisor approval if risk cannot be reduced</p> <p style="text-align: center;">Very High Risk - Unacceptable. Re-examine activities to provide a lower risk</p> | | | | | | | |
| Prepared by: | | | | | | | Date: 17 February 2023 |
| Reviewed by: | | | | | | | Date: 17 February 2023 |
| Approved by: | | | | | | | Date: 17 February 2023 |

Notes:



Site Specific Method Statement
Single or Multiple Approach Traffic Lights

GO.TM.GMS.12D.002

Byrom Lane, Lowton, Wigan

| Control Document | |
|---|--|
| Author(s) | ██████████ - SHEQ Advisor |
| Approved Date | 17 February 2023 |
| Approved by | ██████████ |
| Version Number | D |
| Date of implementation for this version | 17 February 2023 |
| Review date | February 2026 |
| Signed off by | ██ <i>General Manager</i> |



1) Intent of Method Statement

- a) This method statement is devised to assist in the safe implementation, operation and removal of a traffic lights system. Adherence to this method statement should result in protection of both the travelling public and the workforce.
- b) This method statement is intended to supplement and include extracts from Chapter 8 of the Traffic Signs Manual and complement the training undertaken in accordance with the requirements of the 12D Sector Scheme Document.
- c) Where applicable this method statement also works in conjunction with the following documentation:
 - Chapter 8 of the Traffic Signs Manual
 - Traffic Management Contractors Association Notes for Guidance
 - Golden Orb Solutions TM Site Specific Risk Assessment (GO.TM.SSRA.001 Byrom Lane)
 - Golden Orb Solutions TM Generic Method Statements GO.TM.GMS.001 and 002

2) Introduction

- a) Temporary Traffic Lights can be used at most sites up to a distance of 300m.
- b) Type Approved equipment will be used and should always be vehicle actuated except where otherwise instructed in writing by the highway authority.
- c) Tailbacks from the signals will not block a railway level crossing.
- d) Under no circumstances will portable traffic signals be used at works which straddle a railway level crossing, nor to control road traffic within 50m of a level crossing equipped with twin red-light traffic signals.
- e) A traffic signal head on each approach is expected but there maybe occasions when you will require double heads to control traffic on dual carriageways or



one head is not visible. In such cases the normally preferred position for a single traffic signal is at the nearside of the carriageway. However, there may be good reasons for placing it in the carriageway adjacent to the works.

- f) Clear visibility, of at least one signal head for approaching vehicles will be ensured. Where power cables cross the carriageway, Ramp signs will be used where the cable protector exceeds 15mm in height. Refer to Use of Vehicle Actuated Portable Traffic Signals (the Pink Book) for setting up and adjusting the timings of portable traffic signals.
- g) Allowance will be made for cyclists and horse riders who travel slower than motor vehicles.
- h) Where a road junction enters in the shuttle section and is not under signal control, Traffic under signal control sign will be installed in the joining road, and Joining traffic NOT signal controlled in the main road on the approaches to the junction.
- i) Stop & Go boards will be available in case the portable traffic signals break down.

3) Installation

- a) The traffic management crew will perform an inspection of the work area take a traffic count. Also taking account of safe pull off areas for vehicles to park. If there no safe pull off the traffic management vehicle will turn the beacons on and occupy the full width of the carriageway.
- b) The traffic management crew will install the advance warning signs on each approach, starting with the initial man at work sign. The signs will be off-loaded from the non-trafficked side of the vehicle and secured by means of weighting with sandbags or Smartlock straps where barrier is available.
- c) At each end of the works area a traffic light head will be erected. The Traffic light heads must face away from the oncoming traffic until works commence.
- d) When all signs and equipment are set out ready, the traffic light heads will be turned to face the oncoming traffic.



- e) Traffic lights will then be switched on and the hold all red setting will be activated.
- f) Whilst all directions of traffic are stationary, the longitudinal coning will be installed.
- g) The traffic light operator may increase red or green time span dependant on traffic flows at the time.
- h) Once the trained operative has set the red and green time the traffic lights will be turn to the VA Mode.
- i) Also, there may be occasions when the traffic lights will have to be manually controlled to ease traffic follows though peak hours as and when requested by the client.

| Site Length (Metres) | All-Red Setting (Seconds) |
|----------------------|---------------------------|
| Below 50 | 5 |
| 50-99 | 10 |
| 100-149 | 15 |
| 150-199 | 20 |
| 200-249 | 25 |
| 250-300 | 30 |



| Site Length (Metres) | All-Red Setting (Seconds) |
|----------------------|---------------------------|
| 30-74 | 35 |
| 75-134 | 40 |
| 135-194 | 45 |
| 195-300 | 50 |

| | All-purpose single carriageway road; Normal speed limit in the absence of road works | | | |
|--|---|----------|-----------|-------------------------|
| | 30mph or less | 40mph | 50mph | Unrestricted (60mph) |
| Minimum sighting distance of first sign in advance of lead taper (m) | 20 – 45 | 45 - 110 | 110 - 275 | 275 - 450 |
| Minimum longitudinal clearance (m) | 0.5 | 15 | 30 | 60 |
| Minimum lateral safety zone clearance (m) | 0.5 | 0.5 | 1.2 | 1.2 |
| Distance to End of Road works sign (m) | 10 - 30 | 10 - 30 | 30 - 45 | 30 - 45 |

4) Operation

Banksman operations to walk pedestrians safely past the works shall be conducted by site staff.

5) Removal to be Completed in Reverse Order to the Install

- a) Once works are complete on the carriageway, a check shall be carried out, ensuring the carriageway is clear of all plant personnel and debris.
- b) The traffic lights will be switched to the hold all red setting.

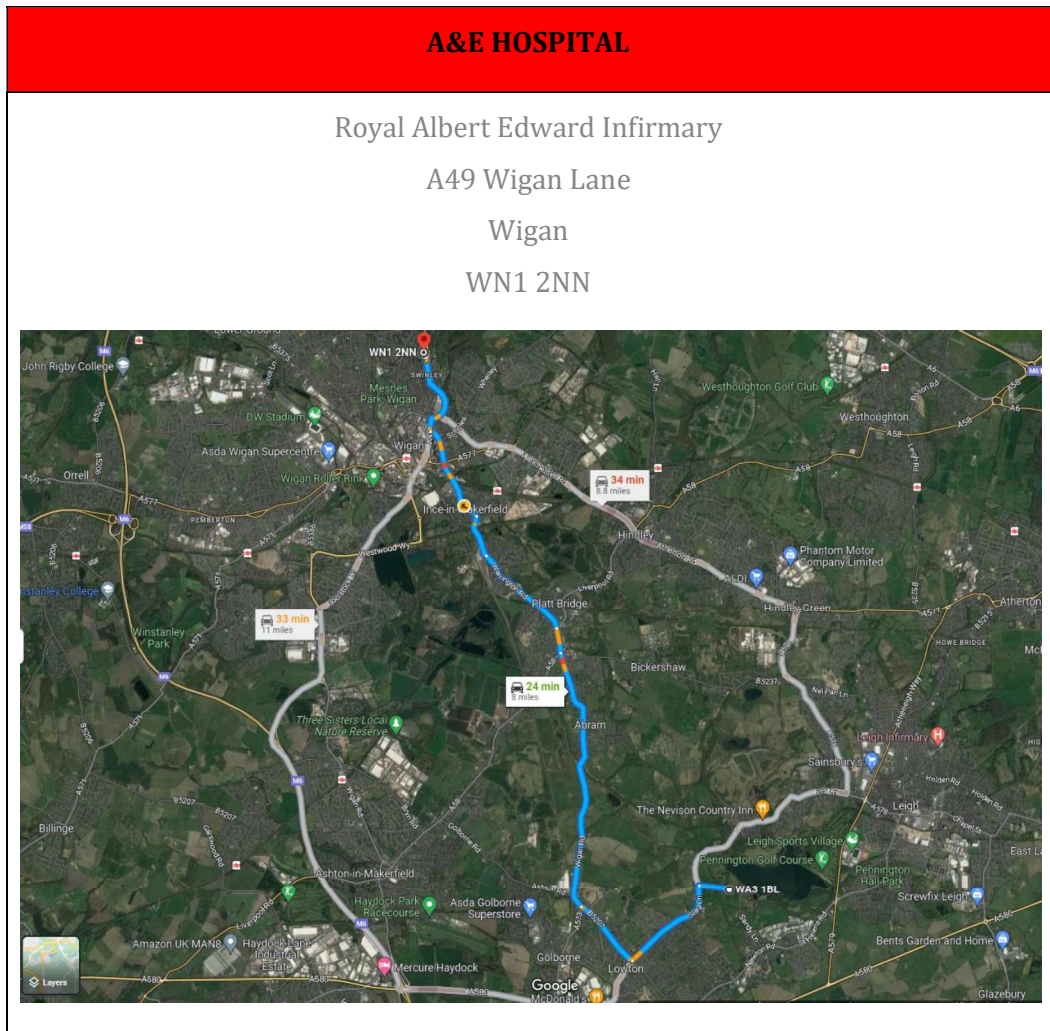


- c) The longitudinal coning shall be walked into the verge or lifted onto the rear of the traffic management vehicle.
- d) When all the longitudinal coning has been removed along with signage the traffic lights will be switched off. The traffic will then be allowed to use the carriageway normally.
- e) The advance warning signs will be removed. The signs will be loaded onto the non-trafficked side of the vehicle and secured.
- f) Before leaving site, the traffic management crew will ensure that no equipment has been left behind by completing a full check of the whole site including side roads.

6) Switching

- a) Once works are complete on one side of the carriageway, the contractor shall inform the traffic management crew a switch is required. A check shall then be carried out, ensuring the carriageway is clear of all plant personnel and debris.
- b) The traffic lights will be switched to the hold all red setting.
- c) The operatives shall then walk the longitudinal cones to the opposite side of the white line.
- d) The taper at each end of the closure shall be moved to the opposite side of the carriageway. The 610 arrow in all tapers shall be adjusted to suit. The single file traffic signs will be changed to show the new direction of road narrowing.
- e) On completion of the above, and a brief check to ensure all signs and cones have been altered correctly and the site is safe to allow traffic to pass, the traffic light controller will recommence with the VA operation of the traffic lights allowing traffic to pass through in a controlled manner.

7) Hospital Location



8) Welfare

Leigh Depot and the use Wigan Council depots.

9) Queries and Contacts

Should you have any queries regarding the content of this Method Statement please do not hesitate to contact your line manager on the numbers shown below, or the SHEQ Team on [REDACTED] or via e-mail at [REDACTED]

[REDACTED] - Working Supervisor - [REDACTED]

[REDACTED] - General Manager - [REDACTED]



10) Signature Page

The persons named below have read, understand will abide by the requirements detailed in this Method Statement

| Name (Print) | Signature | Date |
|--------------|-----------|------|
| | | |
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