

Mechanical Stoneblowing

Scope Includes:
Excludes:

Preparation

Tools, equipment and plant items required but not limited to:

- Associated works such as ballast drops or wet bed removal

Work planning considerations:

- Electrification requirements

Method

1. Stoneblowing will not take place if the rail temperature is at, or likely to exceed, 32°C
2. Stoneblowing will not take place if the rail temperature is at, or likely to fall below, -7°C
3. Items 1 & 2 shall be escalated to the appropriate on call engineer
4. Person in charge of the machine to check operator's certificate for the machine
5. All pre work checks on the machine to be completed at the stabling point
6. TQS to be in possession of a list of controlled clearances
7. TQS to brief the Operator before work and agree the method and scope of work
8. TQS to mark up obstructions, transitions, cant marks etc ahead of the machine (if not completed in advance)
9. COSS to brief all staff before any work on safety arrangements. In particular of the clear zone for getting on and off machine and the 6m radius area in which ear defenders must be worn
10. T(ii) protection will be used for set up / close down of machine if an adjacent line is open to traffic. Red Zone working with lookouts is only permitted in daylight
11. TQS to agree the design scheme produced by the stoneblower from the measuring run
12. TQS to 'talk machine by' on manual when encountering obstructions
13. Regularly during and on completion of the stoneblowing work the TQS will: -
 - Check that twist does not exceed 1 in 200
 - Check for satisfactory top and line
 - Check that clearances have not been worsened

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- Check for damage to the permanent way
 - Check for damage to S&T equipment
14. If not the ES the TQS is to provide a positive report to the ES that the line is clear and fit for traffic on completion of work
 15. TQS to complete all sections of the PHIRES form and report work done to TSM or as otherwise directed
 16. TSM to instigate hot weather precautions as required

References

Supports Ellipse Standard job

- 009113 Track – PL - Stoneblowing

If applicable refer to the following associated documents:

- NR/SP/TRK/001 Inspection and Maintenance of Permanent Way
 - NR/WI/TRK/001 Track Inspection Handbook
 - NR/PRC/MTC/TK0002 Planning of on-track machines
 - NR/PRC/MTC/TK0003 Control of on-track machines
 - NR/PRC/MTC/TK0004 Preparation for use of on track machines
 - NR/PRC/MTC/TK0005 Post-work activities following works using on-track maintenance machines
 - NR/GN/TRK/7001/TWI2S080 How to use S&C stoneblower (how to stblow s&c)
 - NR/GN/TRK/7001/TWI2T018 How to prepare track for stoneblowing
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- Risk Control Sheets
 - NR/L3/MTC/0002/TK000 Generic Track Risks
 - NR/L3/MTC/0005/MP01 Use and Control of On Track Plant
 - NR/L3/MTC/0005/MP02 On Track Plant Pre-use Checks
 - NR/L3/MTC/0005/MP03 Safe Storage of On Track Plant
 - NR/L3/MTC/0005/MP04 Stabling of On Track Plant