

Lift & Replace Foot Crossings Wooden Unit

Scope Includes: Wooden Unit constructed Foot Crossings
Excludes: Sleeper based Foot crossings

Preparation

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

- Claw Hammer
- Pinch-Bar (5ft)
- Gloves
- Adjustable Spanner
- Shovels

Work planning considerations:

- Assess condition of units to either replace or repair before re-instating
- Assess condition of locking timbers (bevelled slats) in order to be fit for purpose
- Assess condition of end restraint brackets which prevent units travelling in direction of traffic
- Opportunity for detailed track inspection whilst crossing has been removed
- Opportunity for track components to be renewed whilst access is possible

Method

1. Mark up units to identify their position within the level crossing in order that they are re-instated in the correct sequence/position.
2. Remove end restraints.
3. For Flat Bottom track with either concrete or wood sleepers, remove nails protruding from the locking timbers (bevelled slats) wedged under the rail head that sit at right angles on the ends of the units preventing the upwards movement of the unit, and remove the locking timbers.
4. For Bull Head track with wooden sleepers, remove coach screws from frame fastening the unit down to the wooden sleepers
5. For Bull Head track with concrete sleepers, remove nails protruding from the locking timbers (bevelled slats) wedged under the rail head that sit at right angles on the ends of the units preventing the upwards movement of the unit, and remove the locking timbers.
6. Lift out the units and stack them in a pre-determined area.
7. Continue this process until all units have been removed.

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8. Before re-instating the crossing ensure:
 - Area of foot crossing is tidy and clear of debris
 - Beds are fully boxed-in
 - All fastenings are in good order and fit for purpose.
9. Re-instate units in reverse order, securing as before.
10. Place units central to the rails in the 4' and in line with the walk way each side of the tracks. Ensure correct flange way gap at either end.
11. Cess units to be positioned in line with walking route or steps and closer to the rail head. Cess units to be bedded on wooden packing and suitable aggregate.
12. 6' units to be positioned in line with the 4' units and secured in a similar manner to the 4' units. If the wide way between tracks is 6' 2" or more, units may have to be joined by embedding pre-cut sleepers into ballast and fastening the units down to the sleepers.
13. Re-position the end restraints centrally in the 4' on both sides of the unit. Fasten using small coach screws.
14. Apply appropriate surface coating to foot crossing.
15. Remove waste and materials from site.

References

Supports Ellipse Standard job

- 009246 Lift/Replace Foot Crossing
- Risk Control Sheets:
- NR/L3/MTC/0002/TK000 Generic Track Risks
- NR/L3/MTC/0002/TK300 Lift/Replace Foot Crossing