



PROJECT CASE STUDY • TRANSPORT & RAIL



BRIGHTON RAIL MAINTENANCE GANTRIES: 22 MEASURED GRP EXTENSIONS

Brighton, East Sussex • Govia Thameslink Railway

CLIENT

Govia Thameslink Railway

LOCATION

Brighton, East Sussex

APPLICATION

Rail-maintenance gantry extensions

SECTOR

Transport & rail

DELIVERY

Measured adaptation and installation

COMPLETED

26 June 2026

Measured extensions coordinated to retained rail gantries

Twenty-two existing maintenance gantries required a repeated local extension. The detail had to fit retained grating, treads and framework inside the Brighton facility.



The extension detail was fitted to retained framework and grating rather than treated as a standard new-build platform.



Measured grating extension fitted into the existing gantry arrangement.

The access challenge

This was an alteration project rather than a clean-sheet platform. Existing widths, supports and tread arrangements had to be checked before cutting or fitting. The work sequence also had to respect the occupied maintenance environment: the infill section was fitted first, the retained tread was then reinstated, and any site variation was escalated before the arrangement changed.

Our approach

- Measured extension details agreed against the existing gantry and tread arrangement.
- Twenty-two gantries adapted with 150mm channel and 120mm grating components.
- Controlled removal and reinstatement sequence used where existing treads were retained.

Technical scope

SYSTEM

22 extensions; 150mm channel; 120mm grating

INTERFACES

Existing gantries / treads / guarded access

MATERIAL

Yellow GRP channel and grating

PROGRAMME

Twenty-two existing gantries extended and signed off on 26 June 2026.



Guarded access section and high visibility yellow GRP components.

22 GANTRIES ADAPTED TO RETAINED INFRASTRUCTURE

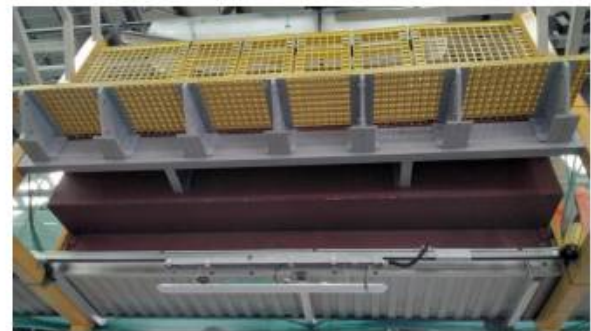
A measured 150mm-channel and 120mm-grating extension detail was completed and signed off.

Project outcomes

The completed work extended 22 existing gantries using a repeatable detail coordinated to the retained rail-maintenance infrastructure. The installation was signed by Govia Thameslink Railway on 26 June 2026, with project photographs and the completion record retained as evidence.

Key benefits

- Twenty-two gantries adapted with 150mm channel and 120mm grating components.
- Controlled removal and reinstatement sequence used where existing treads were retained.
- Cutting and preparation coordinated within an agreed work area inside the facility.
- Completed installation recorded in photographs and signed by the client on 26 June 2026.



Completed elevated maintenance route within the rail facility.

VERIFIED DELIVERY RESULT

Twenty-two existing gantries extended and signed off on 26 June 2026.

Supported by project photographs and a signed completion record.

Evidence-led project delivery

The Brighton work demonstrates why alterations to repeated access infrastructure still require location checks, an agreed work sequence and evidence of the completed interface.

Project checks

- Survey the retained platform, support and tread geometry at every repeated location.
- Confirm the required extension width and the load path before components are prepared.
- Agree cutting, access and reinstatement sequences with the facility team.
- Treat guarding, clearances and walking-surface continuity as part of the same detail.
- Record site variations, completed photographs and client sign-off against the agreed scope.

Evidence retained

- agreed alteration detail
- installation photographs
- signed client completion record
- Project completion evidence

This completed-project story is not project-specific engineering advice. Requirements must be confirmed for each site.

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- Rail sector applications – grpexpress.co.uk/sectors/rail/
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- GRP standards and specification – grpexpress.co.uk/grp-standards-specification/
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