



Public Transport Rail Track Bed & Drainage Maintenance Inspection Checklist 2026

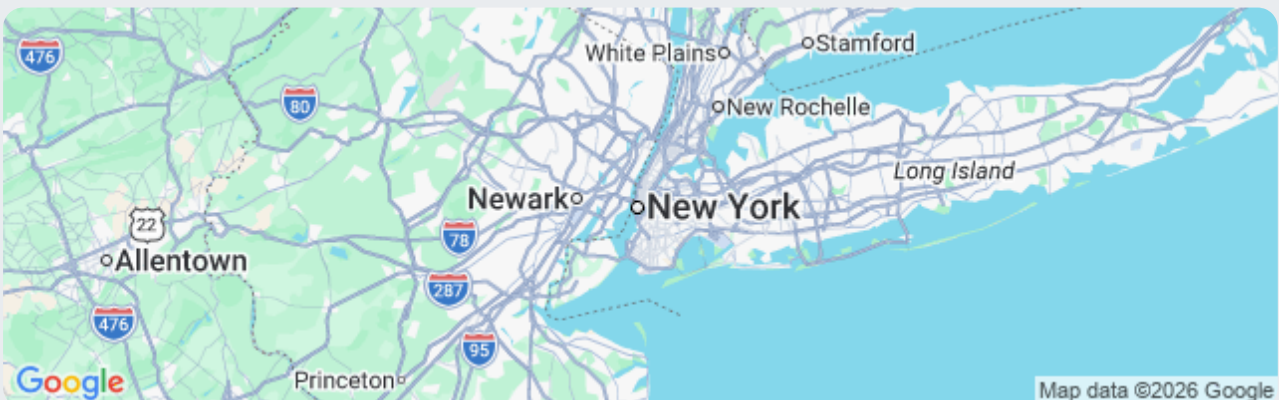
Track Bed Structural Integrity

Assessment of ballast stability, subgrade condition, and detection of any signs of track settling or displacement.

Inspection Date

Track Segment / Mile Marker ID

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Subgrade Condition Status

- ☐ Excellent
- ☐ Good
- ☐ Fair (Monitor closely)
- ☐ Poor (Immediate Action Required)
- ☐ Critical (Emergency Repair)

Observed Ballast Depth (cm)

Enter a number...

Identified Structural Issues

- ☐ Ballast Fouling
- ☐ Track Settlement
- ☐ Subgrade Softening
- ☐ Sleeper Displacement
- ☐ None

Detailed Observation Notes

Write something...

Site Photos (Track Bed & Subgrade)

 Upload File

Lead Inspector Signature

Ballast Condition & Grading

Inspection of ballast depth, cleanliness (fouling levels), and checking for sufficient drainage layers to prevent clogging.

Ballast Fouling Level

- ☐ Clean (No significant fine material)
- ☐ Moderate (Minor presence of fines)
- ☐ Critical (Requires immediate cleaning/replacement)

Estimated Ballast Depth (mm)

Observed Ballast Defects

- ☐ Presence of fines/silt
- ☐ Ballast fouling
- ☐ Uneven distribution
- ☐ Missing ballast sections
- ☐ Contamination (Oil/Debris)

Defect Detailed Description

Write something...

Ballast Condition Photo Evidence

 Upload File

Last Ballast Tamping/Maintenance Date

Enter date...

Drainage System & Culvert Functionality

Evaluation of drainage ditches, culverts, and pipes for blockages, debris, or structural damage that could impede water flow.

Culvert Structural Condition

- ☐ Excellent
- ☐ Good
- ☐ Fair (Requires Monitoring)
- ☐ Poor (Immediate Action Required)

Identified Obstructions

- ☐ Silt/Sediment Accumulation
- ☐ Organic Debris (Leaves/Branches)
- ☐ Trash/Litter
- ☐ Structural Blockage
- ☐ None Detected

Detailed Observations

Write something...

Drainage Inspection Photos

 Upload File

Inspection Date

Enter date...

Inspector Authorization

Surface Water & Erosion Control

Identification of erosion patterns along embankments, pooling water areas, or washouts that threaten track stability.

Erosion Severity Level

- ☐ None
- ☐ Minor (Surface Scouring)
- ☐ Moderate (Visible Trenching)
- ☐ Severe (Significant Soil Loss)

Observed Water Pooling Areas

Write something...

Erosion Damage Description

Write something...

Erosion Site Photo Evidence

 Upload File

Inspection Date

Enter date...

Inspector Verification

Vegetation & Encroachment Management

Inspection of plant growth, root intrusion, or overhanging foliage that may obstruct drainage or impact track geometry.

Vegetation Density Level

- ☐ Low (Clear)
- ☐
- ☐ High (Immediate Action Required)

Identified Encroachment Types

- ☐ Overhanging Tree Branches
- ☐ Root Intrusion in Trackbed
- ☐ Weed/Grass Overgrowth
- ☐ Shrubbery Blocking Drainage

Detailed Vegetation Observations

Write something...

Site Photo Evidence

 Upload File

Next Scheduled Clearing Date

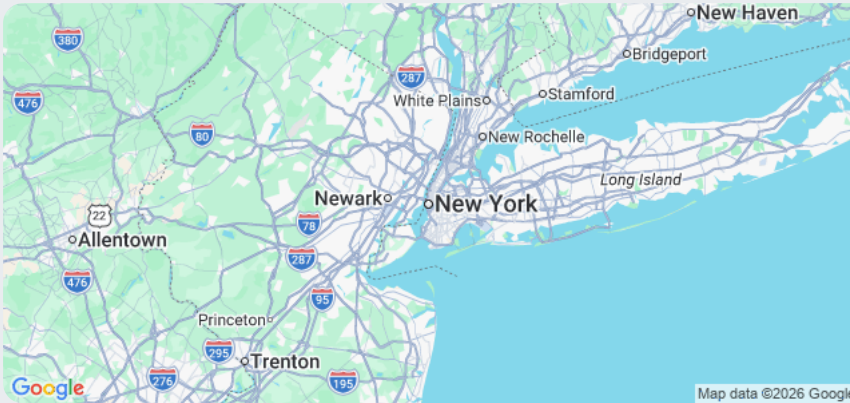
Enter date...

Embankment & Retaining Wall Stability

Structural assessment of slopes, cuttings, and retaining walls for cracks, leaning, or signs of soil movement.

Inspection Segment/Kilometer Marker

 [Set My Current Location](#)



Embankment Condition Status

- ☐ Stable
- ☐ Minor Erosion
- ☐ Moderate Instability
- ☐ Critical/Unstable

Observation of Visible Cracks or Fissures

Write something...

Estimated Crack Width (mm)

Enter a number...

Photo Evidence of Structural Integrity

 Upload File

Date of Last Structural Assessment

Enter date...

Inspector Authentication

Debris & Foreign Object Detection

Scanning the trackbed for litter, fallen trees, or industrial waste that could interfere with drainage or rail operations.

Debris Severity Level

- ☐ Low (Minor litter)
- ☐ Medium (Requires cleaning)
- ☐ High (Immediate hazard/Obstruction)

Type of Foreign Objects Detected

- ☐ Vegetation/Branches
- ☐ Construction Materials
- ☐ Litter/General Waste
- ☐ Metallic/Industrial Scrap
- ☐ Soil/Silt Accumulation

Description of Detected Objects

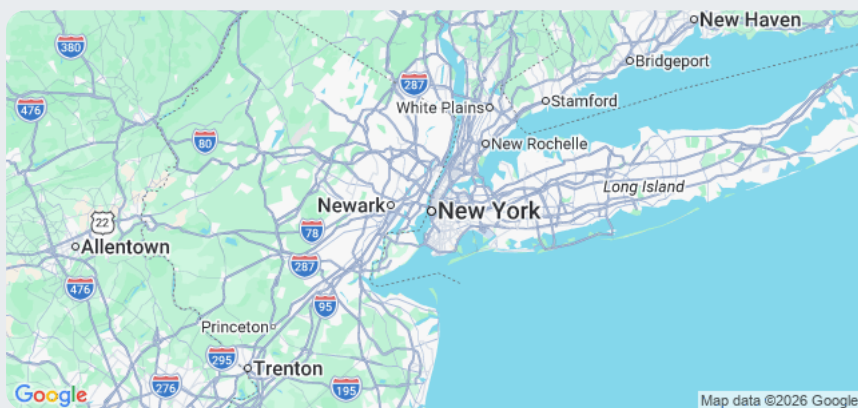
Write something...

Photo Evidence of Debris

 Upload File

Exact Track Kilometer Marker

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Date of Detection

Enter date...

Maintenance Log & Compliance Verification

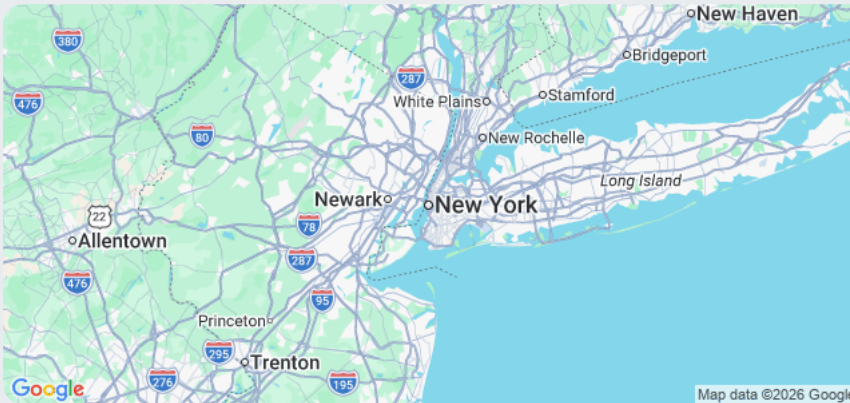
Review of previous repair records, safety certification updates, and alignment with 2026 regulatory standards.

Inspection Date

Enter date...

Track Segment/Kilometer Marker

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Compliance Status

- ☐ Fully Compliant
- ☐ Non-Compliant (Action Required)
- ☐ Under Review

Summary of Findings & Corrective Actions

Write something...

Supporting Maintenance Documentation

 [Upload File](#)

Inspector Authorization

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✔ Finish

✎ Generate Sample Report