

Train Signaling System Maintenance & Inspection Checklist

Track Circuit Integrity

Verification of track circuit functionality and connection integrity.

Track Resistance (Ohms)

Voltage Drop (Volts)

Track Circuit Condition

- Nominal
- Slightly High
- High
- Open

Time of Test

Observations/Notes

Write something...

Date of Test

Enter date...

Signal Aspect Verification

Confirmation of correct signal aspect display and illumination.

Aspect Intensity (Lumens)

Enter a number...

Aspect Color Accuracy

- Correct
- Slight Deviation
- Significant Deviation

Aspect Sequence Correctness

- Yes
- No

Last Aspect Calibration Date

Enter date...

Time of Inspection

Signal Voltage (Volts)

Enter a number...

Aspect Clarity

- Excellent
- Good
- Fair
- Poor

Block Equipment Functionality

Testing of block signaling equipment, including interlocking systems.

Interlocking Sequence Count

Enter a number...

Block Status - Normal Operation?

- Yes
- No
- N/A

Last Block Equipment Reset Time

Detailed Observation Notes (e.g., unusual behavior)

Write something...

Track Occupancy Sensor Reading

Enter a number...

Train Detection System Functional?

- Yes
- No
- Partial

Date of last comprehensive test

Enter date...

Relay and Logic Testing

Assessment of relay operation, logic circuits, and control system performance.

Relay Contact Resistance (Ohms)

Enter a number...

Logic Circuit Supply Voltage (V)

Enter a number...

Relay Operation (Pass/Fail)

Pass

Fail

Detailed Observations/Notes

Write something...

Logic Circuit Function (Pass/Fail)

Pass

Fail

Date of Logic Circuit Test

Enter date...

Time of Logic Circuit Test

Logic Circuit Voltage Drop (mV)

Enter a number...

Signal Cable Inspection

Examination of signal cables for damage, corrosion, and proper insulation.

Cable Length (meters)

Enter a number...

Cable Type

- Coaxial
- Fiber Optic
- Multi-Pair
- Other

Cable Insulation Condition

- Excellent
- Good
- Fair
- Poor

Detailed Description of Cable Condition

Write something...

Upload Cable Inspection Photos

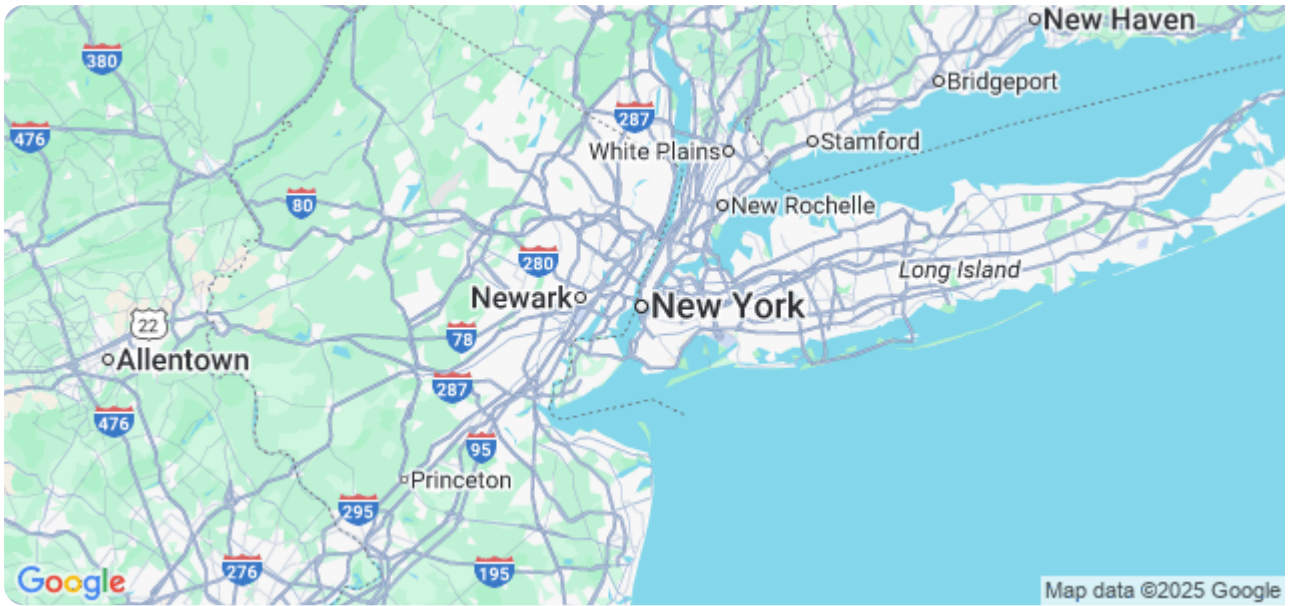
 Upload File

Number of Corrosion Points

Enter a number...

Cable Location Coordinates

 [Set My Current Location](#)



Fiber Optic Cable Testing

Testing of fiber optic cables for signal loss and connection integrity (if applicable).

Attenuation (dB)

Enter a number...

Loss on Connector (dB)

Enter a number...

Reflectance (%)

Enter a number...

Insertion Loss (dB)

Enter a number...

OTDR Pass/Fail

Pass

Fail

Test Date

Enter date...

Test Time

Observations/Comments

Write something...

Power Supply Verification

Confirmation of adequate power supply to signaling equipment.

Input Voltage (VAC)

Enter a number...

Input Current (Amps)

Enter a number...

Output Voltage (VAC)

Enter a number...

Output Current (Amps)

Enter a number...

Power Supply Status

- Nominal
- Slightly High
- Slightly Low
- Abnormal

Last Power Supply Replacement Date

Enter date...

Time of Power Supply Test

Emergency Power System Test

Testing of backup power systems for signaling functionality in case of power failure.

Test Start Time

Voltage During Test (V)

Enter a number...

Frequency During Test (Hz)

Enter a number...

Automatic Transfer Switch (ATS) Function

- Transferred Successfully
- Partial Transfer
- Failed Transfer

UPS Status

- Online
- Switching
- Bypass
- Fault

Last UPS Maintenance Date

Enter date...

Any unusual observations during test?

Write something...

Test End Time

System Software & Firmware Update Verification

Confirmation of successful software and firmware updates, if applicable.

Update Installation Date

Enter date...

Software Version Before Update

Enter a number...

Software Version After Update

Enter a number...

Detailed Update Notes (Release Notes Summary)

Write something...

Update Method (e.g., Remote, Manual)

Remote

Manual

Update Status

Successful

Failed

Partial

Log File (if applicable)

 Upload File

Any Error Messages/Observations during Update

Write something...

Record Keeping & Documentation

Verification of accurate and complete maintenance records.

Date of Inspection

Enter date...

Start Time of Inspection

Equipment Serial Number(s)

Enter a number...

Detailed Observations & Comments

Write something...

Inspection Result

Pass

Fail

Conditional Pass

Supporting Documentation (e.g., photos, diagrams)

 Upload File

Inspector's Name

Write something...

Inspector's Signature