ChecklistGuro

Bus Route Planning & Optimization Audit Checklist - Public Transit

Show only Checklist

Display Style
Default

Route Network Analysis

Assessment of overall route coverage, redundancy, and efficiency.

Total Route Miles

Enter a number...

Number of Routes Served

Enter a number...

Average Route Length (Miles)

Enter a number...

Route Network Density (High/Medium/Low)

- [ ] High
- [ ] Medium
- [ ] Low

Route Redundancy (High/Medium/Low)

- [ ] High
- [ ] Medium
- [ ] Low

Description of Route Network Structure

Write something...

Date of Last Network Review

Enter date...

Rider Demand & Performance Data Review

Examination of ridership data, on-time performance, and service frequency across routes.

Average Daily Ridership (Last 7 Days)

Enter a number...

Peak Hour Ridership (AM)

Enter a number...

Peak Hour Ridership (PM)

Enter a number...

Date of Last Ridership Data Collection

Enter date...

Time of Peak Ridership (AM)

Enter time...

Time of Peak Ridership (PM)

Enter time...

Ridership Trend (Last 3 Months)

- [ ] Increasing
- [ ] Decreasing
- [ ] Stable
- [ ] Fluctuating

On-Time Performance (%)

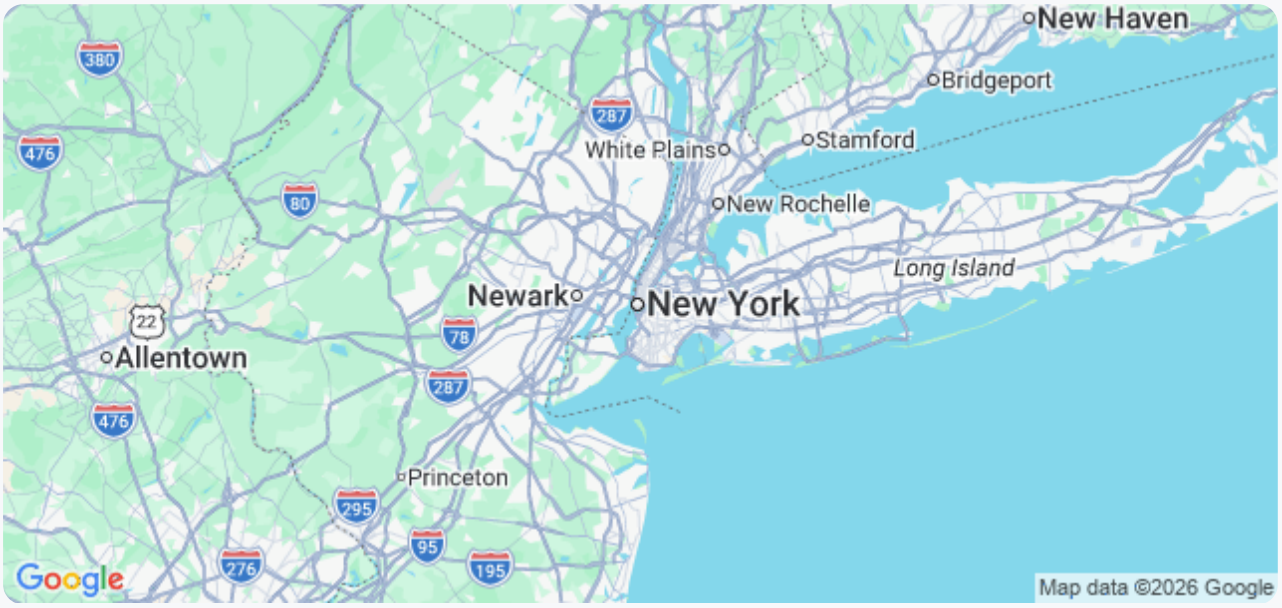
Enter a number...

Route Alignment & Infrastructure Assessment

Evaluation of route alignment, road conditions, traffic signals, and potential obstructions.

Identify locations of road surface issues (potholes, cracks) along the route.

Set My Current Location



Average speed of buses along the route (mph).

Enter a number...

Describe any observed traffic signal timing issues impacting bus travel time.

Write something...

Number of pedestrian crosswalks along the route.

Enter a number...

Note any observed obstructions (e.g., parked cars, construction) affecting bus maneuverability.

Write something...

Condition of bus shelters along the route?

- [ ] Excellent
- [ ] Good
- [ ] Fair
- [ ] Poor

Date of last infrastructure inspection of the route.

Enter date...

Accessibility & Equity Considerations

Review of route accessibility for individuals with disabilities and equitable service provision across different communities.

Are bus stops ADA compliant (ramps, detectable warnings)?

- [ ] Yes, all stops
- [ ] Mostly yes
- [ ] Partially compliant
- [ ] Not compliant

Number of routes serving low-income areas

Enter a number...

Level of consultation with disability advocacy groups during route planning?

- [ ] Extensive and ongoing
- [ ] Occasional consultation
- [ ] Limited consultation
- [ ] No consultation

Describe any observed accessibility barriers for riders with disabilities.

Write something...

Is service frequency adequate in areas with a high proportion of seniors?

- [ ] Yes
- [ ] Mostly
- [ ] Partially
- [ ] No

Percentage of ridership within a defined equity focus area (e.g., low-income, minority populations)

Enter a number...

Describe any identified gaps in service to underserved communities.

Write something...

Integration with Other Transportation Modes

Analysis of connections to other transit systems, bike paths, and pedestrian walkways.

Proximity to Rail Stations

- [ ] Within 1/4 mile
- [ ] Within 1/2 mile
- [ ] Within 1 mile
- [ ] More than 1 mile
- [ ] Not Applicable

Distance to Nearest Bike Share Station (miles)

Enter a number...

Coordination with Park & Ride Facilities

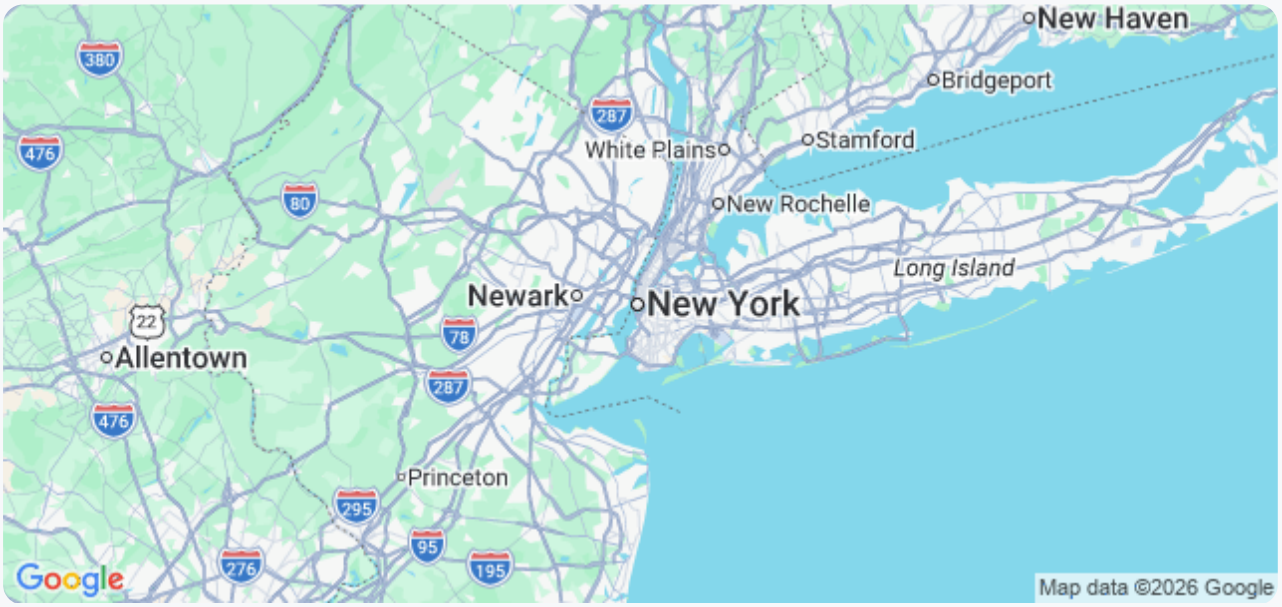
- [ ] Direct Connection
- [ ] Nearby Transfer
- [ ] No Direct Connection

Modes Integrated With (Select all that apply)

- [ ] Rail Transit
- [ ] Bike Share
- [ ] Ride-hailing Services
- [ ] Local Shuttle Services
- [ ] Pedestrian Walkways
- [ ] None

Location of Key Transfer Points (Map)

Set My Current Location



Description of Transfer Procedures

Write something...

Operational Efficiency and Cost Analysis

Assessment of fuel consumption, driver productivity, and overall route operating costs.

Average Fuel Consumption (Gallons/Mile)

Enter a number...

Driver Hours per Route (Average)

Enter a number...

Maintenance Costs per Bus (Annual)

Enter a number...

Route Operating Cost per Rider

Enter a number...

Bus Utilization Rate (%)

- [ ] Below 50%
- [ ] 50% - 75%
- [ ] Above 75%

Average Layover Time (Minutes)

Enter time...

Total Route Mileage

Enter a number...

Passenger Feedback and Complaints

Review of passenger feedback regarding route convenience, reliability, and safety.

Describe the issue you experienced.

Write something...

Rate your overall satisfaction with the route (1-5, 1 being very dissatisfied, 5 being very satisfied).

Enter a number...

What best describes the nature of your complaint?

- [ ] Route Frequency
- [ ] Route Reliability
- [ ] Route Convenience
- [ ] Driver Conduct
- [ ] Accessibility
- [ ] Other

Which aspects of the route/service need improvement?

- [ ] Bus Stop Locations
- [ ] On-Time Performance
- [ ] Route Detours
- [ ] Bus Crowding
- [ ] Real-time Information

Date of the incident/experience

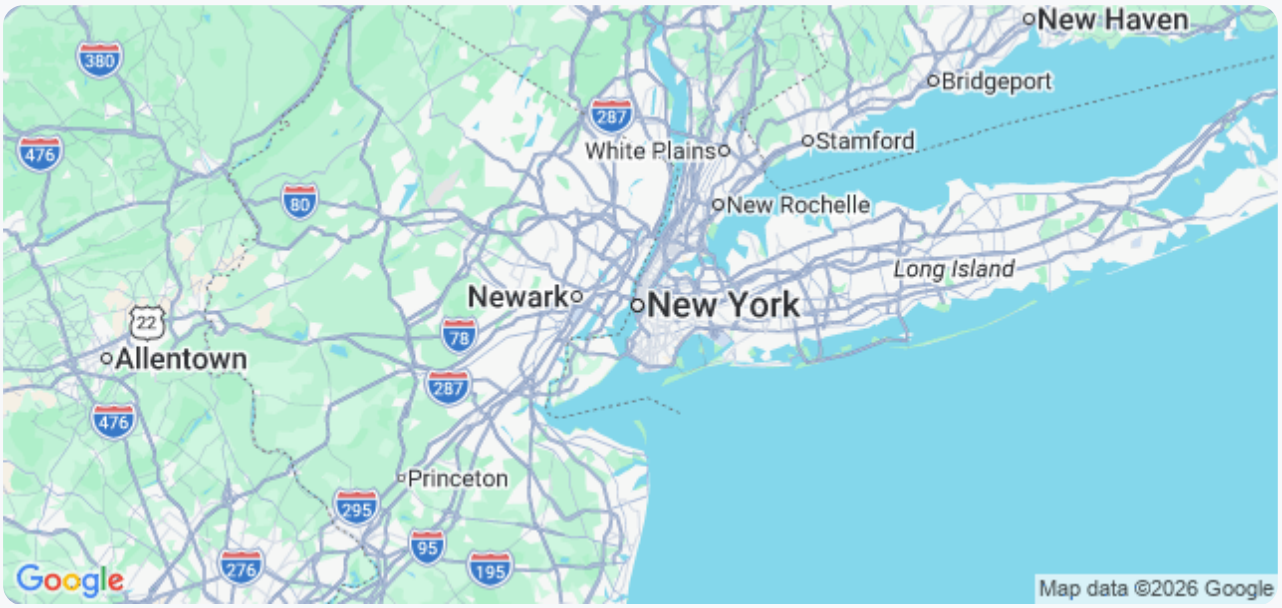
Enter date...

Time of the incident/experience

Enter time...

Location of the incident (if applicable)

Set My Current Location



Compliance with Regulations and Standards

Verification of adherence to applicable local, state, and federal regulations regarding route planning and operation.

Applicable Local Route Planning Ordinances Reviewed?

- [ ] Yes
- [ ] No
- [ ] N/A

Compliance with ADA (Americans with Disabilities Act) Route Standards?

- [ ] Compliant
- [ ] Non-Compliant
- [ ] Pending Review

Minimum Safe Following Distance (feet) – Confirmed adherence to regulations?

Enter a number...

Date of Last Regulatory Review

Enter date...

Summary of Deviations and Corrective Actions

Write something...

Supporting Documentation (e.g., permits, approvals)

Upload File

Compliance with State Route Design Manual?

- [ ] Compliant
- [ ] Non-Compliant
- [ ] N/A

Future Growth and Adaptation

Planning considerations for population growth, land use changes, and evolving transportation needs.

Projected Population Growth (5-year)

Enter a number...

Anticipated Land Use Changes & Impact

Write something...

Potential New Route Corridors Identified?

- [ ] Yes
- [ ] No
- [ ] Pending Study

Date of Next Route Review/Revision

Enter date...

Potential New Transportation Technologies to Consider?

- [ ] Electric Buses
- [ ] Autonomous Vehicles
- [ ] Micro-mobility Integration
- [ ] Demand-Responsive Transit

Notes on Potential Service Expansion Areas

Write something...

Technology Integration & Data Utilization

Evaluation of the use of technology (e.g., GPS tracking, real-time passenger information) to optimize route planning and improve efficiency.

Percentage of buses equipped with GPS tracking

Enter a number...

Real-time passenger information system implemented?

- [ ] Yes
- [ ] No
- [ ] Partial Implementation

Data sources utilized for route optimization (Select all that apply)

- [ ] Ridership data
- [ ] Traffic patterns
- [ ] Census data
- [ ] Land use plans
- [ ] Social Media data

Date of last data analytics platform update

Enter date...

Description of data analytics methods used for route optimization

Write something...

Use of predictive analytics for ridership forecasting?

- [ ] Yes
- [ ] No
- [ ] Under Consideration

Upload screenshot of dashboard displaying key performance indicators (KPIs)

Upload File