

**Bentley**  
Advancing Infrastructure



## OpenRail Asset Reliability

### Transit Facility Condition Assessment

OpenRail Asset Reliability provides comprehensive capabilities for reliability strategy development, inspection, maintenance, and management of transportation infrastructure assets. These proven capabilities give users universal access to track, station, service facility, rolling stock, bridge, tunnel, and transit asset data—from the field, road, or office.

#### Meet Federal Transit Facility Condition Assessment Requirements

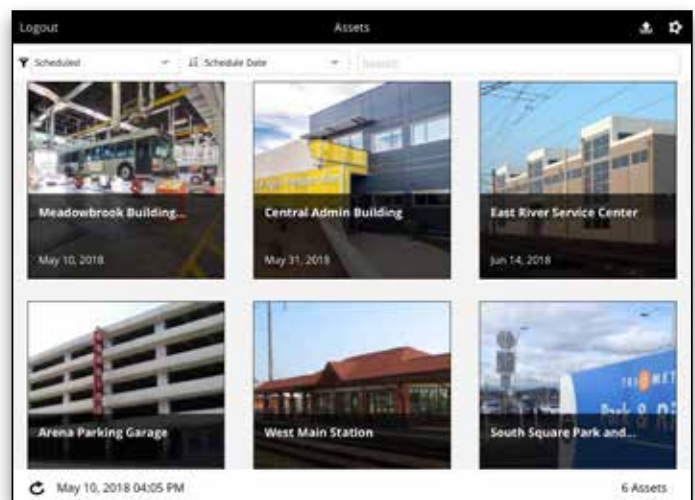
The Federal Transit Administration (FTA) Facility Condition Assessment guidebook introduced new data collection and reporting requirements for transit agencies. Per the MAP-21 legislation, transit agencies are required to routinely collect and report facility conditions to the National Transit Database (NTD). Bentley's OpenRail Transit Facility Condition Assessment capabilities are purpose-built for FTA Facilities and Inspections and are the ideal solution to satisfying the new FTA requirements and advancing any agency's Transit Asset Management (TAM) Plan.

#### Support Transit Operations Including Maintenance, Passenger, and Parking Facilities

Transit agencies now must comply with these requirements despite limited resources, and tight budgets. To satisfy the updated regulations, agencies are required to report the condition of each facility that supports transit operations, including administrative, maintenance, passenger, and parking facilities. The guidebook outlines a new methodology for collecting, aggregating, and reporting facility data to the National Transit Database. Facility condition assessments must be conducted by assessing the condition and assigning a rating for facility assets using FTA's Transit Economic Requirements Model (TERM) scale. Additionally, the rule requires assessments to have a level of detail sufficient for monitoring and predicting the future performance of assets for investment prioritization within the agency's TAM plan.

#### Out of the Box Functionality Enables Rapid Deployment

Bentley's Transit Facility Condition Assessment provides tailored and streamlined capabilities specifically designed to support the new FTA requirements. OpenRail automatically calculates the overall facility condition assessment score per the FTA guidebook, supports the FTA reporting requirements, and includes standard configurations for detailed data collection of all facility components. Mobile data collection capabilities enable inspectors to quickly record facility conditions in the field with a mobile device that uses familiar and purpose-built forms. Transit agencies can achieve significant cost savings by leveraging the out-of-the-box functionality, which enables rapid deployment to achieve immediate



*The mobile app enables field data collection and seamless synchronization with the cloud server.*

results in the hosted and purpose-built web and mobile applications. Although this solution ensures compliance with FTA requirements, administrators can easily tailor the application by utilizing the included configuration capabilities to quickly extend the inventory and condition assessments based on specific agency needs. Tailoring the application mitigates change management risk and provides a repeatable method to produce high quality decision support outcomes and prioritization.

#### Determine Optimal Maintenance Strategies for Transit Inventory

It is critical that agencies deploy comprehensive capabilities for reliability strategy development, inspection, maintenance, and management of all transit assets. Being built on Bentley's OpenRail platform, the Transit Facility Condition Assessment module affords agencies an opportunity to expand beyond facilities to take advantage of Bentley's entire OpenRail for Asset Performance solution for their transit inventory. OpenRail integrates necessary operational asset data, from inspecting and reporting to capital-project decision making. By implementing OpenRail Asset Performance, many agencies have the power to determine optimal maintenance strategies across facilities, track, rolling stock, and equipment and have seen millions of dollars in cost savings through improved maintenance efficiency, reduced salary costs, and the ability to reinvest those savings into capital projects. Utilizing these capabilities is enabling agencies to reduce risk, improve safety, achieve higher customer satisfaction, and avoid potential loss of ridership.

## Benefits of OpenRail Asset Reliability hosted via Managed Services

### Key Reasons Why Transportation Agencies Choose OpenRail Asset Reliability Offered Through Bentley Managed Services

- Quick start-up
- Industry-standard methodology common to all stakeholders reduces risk
- Streamlined and standardized processes across offices
- Remote access for submitters and reviewers reduces cost, improves availability, and ensures compliance
- Single services provider accountability
- Ensures the most up-to-date version of software

Find out about Bentley at: [www.bentley.com](http://www.bentley.com)

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## OpenRail for Asset Performance Delivers Safe, Reliable, and Compliant Service

Industry leading rail and transit organizations are developing and implementing enterprise-wide information systems and processes in compliance with emerging building information modeling (BIM) and asset management standards to ensure consistent application across all planning, projects, operations, and maintenance functions. Many agencies rely on OpenRail for Asset Performance to support their journey

## OpenRail Asset Reliability At-A-Glance

### Automatic Support for FTA Facility Requirements

- Standard templates ensure compliance with SGR standards
- Out-of-the-box templates meet all Facility Condition Assessment requirements
- Includes capabilities for FTA NTD reporting

### Rapid Implementation to Realize Immediate Value

- Purpose-built, off-the-shelf facility management capabilities
- Pre-configured inspection and condition assessment templates
- Immediate deployment via cloud hosting

### Mobile App Supports On-site Data Collection

- In-the-field data collection using mobile devices
- Automatic uploading of field data to the server
- In-context inclusion of photos and video and defects
- Ensures all data is collected on site the first time

### Automatic PDF Output Report Format

- Templates allow instant, uniform report generation
- Automatic photo referencing

to digitalization by empowering effective asset management practices and enabling BIM management of information through the whole lifecycle of a built asset. As a result, these agencies have a spatially-enabled common data environment to manage rail, transit, bridge, and tunnel assets and related information for infrastructure operations. It delivers complete information management during the transportation infrastructure's operating life and supports safe and reliable life extensions.

### Integrated Inspection and Maintenance System

- Closes the loop between inspections and maintenance, allowing inspectors to see what activities have been completed since the last inspection

### Automatic Scheduling and Tracking of Asset Inspections

- Intelligent tracking of asset inspection requirements and due dates
- Automatic alerts of upcoming and overdue inspections

### Electronic Review Process

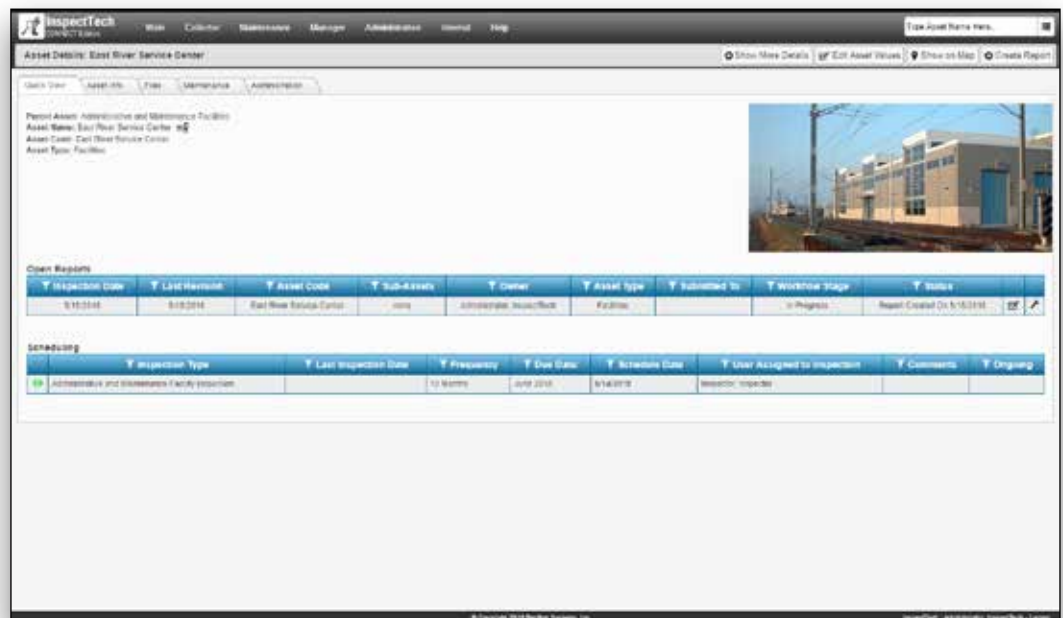
- Instantaneous, online report delivery
- Configurable workflow process
- Automated error checks

### Single Repository of Transit Assets

- Single source of truth data access
- Complete asset histories are stored and accessible
- Stores historic data and photographs
- Configurable system easily extended to meet agency needs

### Cloud Services

- 24/7 data continuity
- No IT overhead



All asset information including condition assessments, photos, and maintenance items are easily accessible from any web browser through the secure web application.