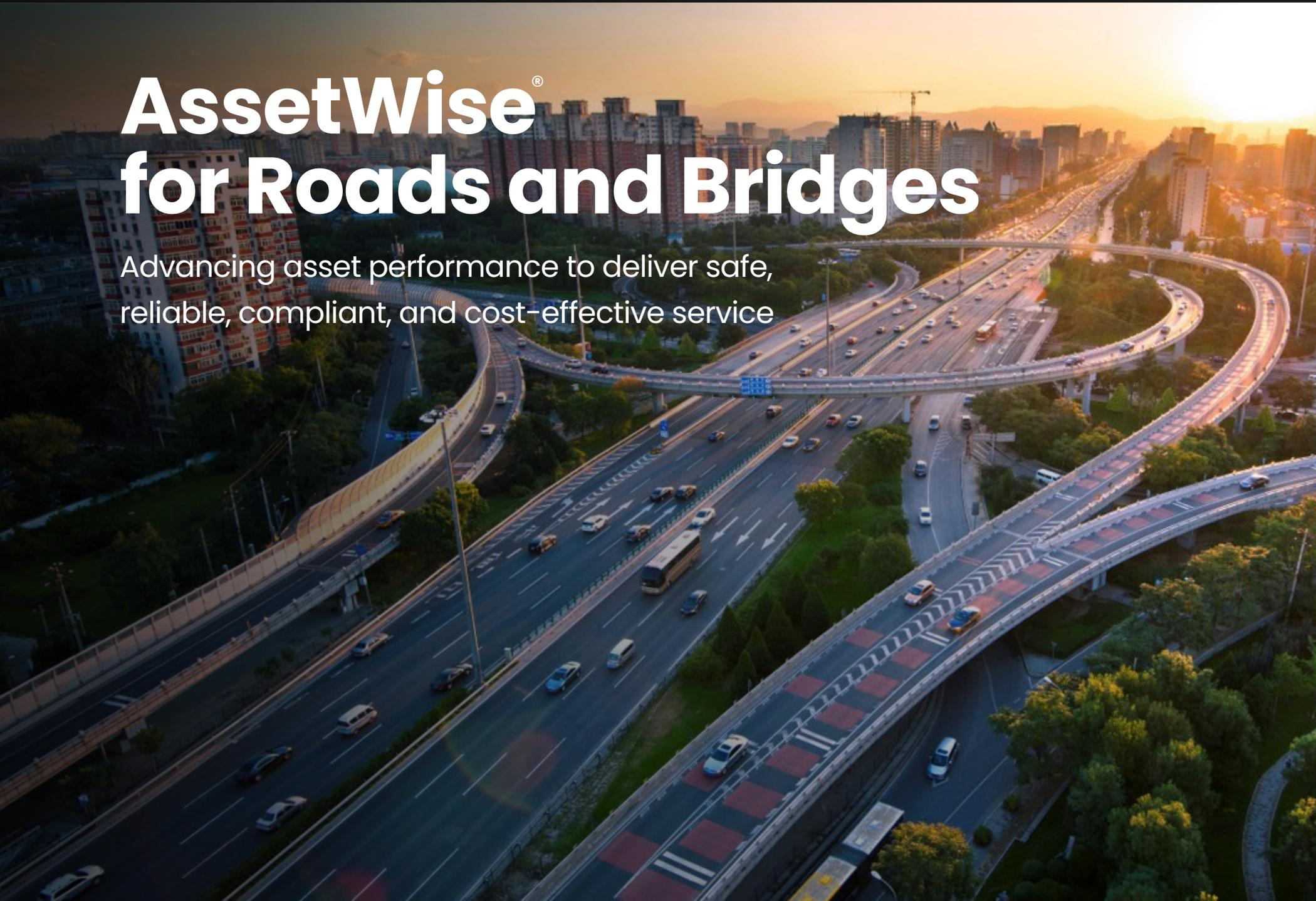


Bentley®

# AssetWise® for Roads and Bridges

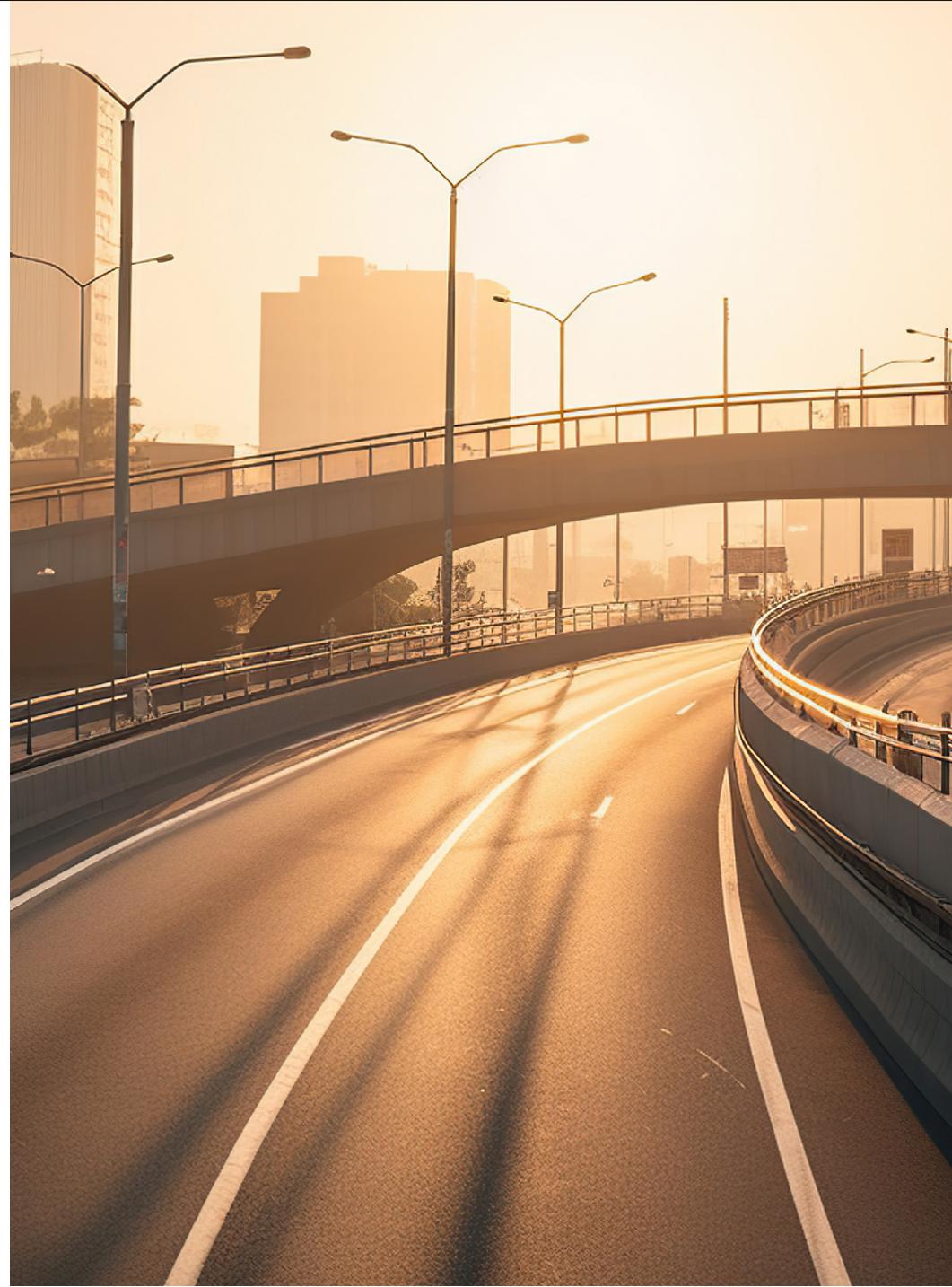
Advancing asset performance to deliver safe,  
reliable, compliant, and cost-effective service



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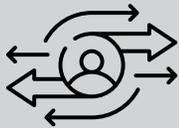
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# Welcome to the AssetWise for Roads and Bridges Product Guide

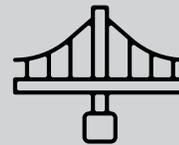
This e-book provides a look at how you can improve information management throughout the lifecycle of a transportation asset, from planning and design to operations and maintenance.



AssetWise for asset  
registry and change  
management



AssetWise for  
linear road network  
management



AssetWise for inspections  
for bridge and  
structure inspections



Routing and permitting  
for oversized/overweight  
vehicles

The e-book includes links to videos that show how AssetWise provides a spatially enabled, connected data environment<sup>®</sup> that supports the management of transportation infrastructure assets, including roads, bridges, and tunnels.

If you have questions, or need more information, please visit [bentley.com/roadsandbridges](https://www.bentley.com/roadsandbridges).

## Road and Bridge Agencies Use AssetWise to:

- ◆ Improve overall service, safety, and reliability
- ◆ Reduce maintenance and operational costs
- ◆ Ensure compliance with regulatory reporting requirements
- ◆ Enhance strategic decision-making
- ◆ Improve field-reporting accuracy



Linear road network management



Transportation inspection



Routing and permitting



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# AssetWise Linear Network Management

## Trusted Information, When and Where it is Needed

AssetWise manages road and bridge information throughout the asset's lifecycle – ensuring the delivery of relevant, trusted information, in context – where and when it is needed.

## Connected Data Environment

Bentley leverages your existing investments in information by establishing an open, connected data environment for collaboration and asset information management throughout the lifecycle of transportation infrastructure.

## Linear Network Management

AssetWise provides linear referencing network management (LRS) capabilities to manage network centerlines and linear offsets while tracking the lifecycle of changes made with revision history.

## Spatially Enabled Asset Information

View and use information from a graphical perspective for spatially located assets and related information. This asset-centric approach supports enhanced decision-making across different types of linear assets and information.

## Reduce Preparation Time for Government Reporting by Up to 80%

AssetWise significantly reduces preparation time for governmental submissions, including HPMS, HDM4, and other transportation information submission requirements. It easily supports changing user reporting requirements without the need for custom programming or resources.



Linear road network management



Manage linear networks

# AssetWise Inspections

## Reliability Strategy, Inspection, and Maintenance Management for Transportation Infrastructure Assets

### Streamline the Entire Inspection Process

Quickly and effectively collect, analyze, manage, and report inspection data for bridge and structure inspections while working in the field, the office, or at any location. Improve the quality, usability, and amount of data available to make key decisions.

### Maximize Use of Transportation Asset Information

Make the most of your transportation asset information for on-site inspection, reporting, maintenance planning, project prioritization, and work scheduling. Easy access to all information allows you to turn needs into actionable plans.

### Ensure Compliance with Regulations

Fully comply with government and industry regulations, including those from the U.S. FHWA. AssetWise helps you to meet requirements for FAST Act, MAP-21, and NBI requirements with off-the-shelf templates that allow for rapid implementation.



View historical condition data



# Automated Oversize/Overweight Vehicle Permitting and Routing

## Best Practice Routing and Permitting

SUPERLOAD® offers a best-practices approach to permit processing that delivers substantial cost savings to the permitting agency. With SUPERLOAD, you can:

- ◆ Streamline permit applications in compliance with agency rules and regulations
- ◆ Perform intelligent routing and real-time live-load bridge analysis
- ◆ Ensure secure payment processing and permit issuance

## Protection for Infrastructure and the Traveling Public

With its built-in knowledge of the roadway network, SUPERLOAD provides the capabilities to maintain a digital model of the highway system. Features include the location of all structures, detailed interchange configurations, bidirectional clearances, and all temporary restrictions.

The software makes online permitting safe and secure for your agency and the public, enabling your going digital strategy by automating the permit workflow, from electronic payments to auto-issuance of permits.



Manage restriction events



# Automated Oversize/Overweight Vehicle Permitting and Routing

## Live Load Bridge Analysis Increases Efficiency and Saves Time

SUPERLOAD performs real-time route validation based on the size/weight of the permit vehicle and the constraints and conditions of specified routes. Bridge clearances, bridge live-load analyses, and temporary restrictions are all considered in the application to help you determine optimal routing feasibility.

SUPERLOAD bridge analysis performs bridge analysis for the specific permit vehicle configuration over each specific structure. An integrated live-load bridge analysis of each structure on the route determines safe passage feasibility and any speed or lane restrictions.



Real Time Vehicle Route Validation



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# AssetWise for Roads and Bridges

Accelerate Your Digital Advancement with AssetWise

- ◆ Improve overall accessibility, quality, integrity, and relevance of road and bridge asset data
- ◆ Gain better insights into your data and make the best business decisions
- ◆ Ensure your assets are safe, reliable, and efficient over their operating life using AssetWise

[Tell Me More >](#)

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