



Case Study

Global Collaboration, Local Impact

Atlas Arteria partners with Asset Vision to digitise, detect and deliver smarter maintenance for one of USA's busiest toll roads.



FINDING THE RIGHT FIT FOR A GLOBAL NETWORK

Atlas Arteria (ALX), a global owner, operator, and developer of toll roads, manages some of the world's most significant transport infrastructure across France, Germany, and the United States. One of its flagship assets, the Dulles Greenway in Northern Virginia, is operated under concession by Toll Road Investors Partnership II LP (TRIP II).

In 2020, ALX and TRIP II partnered with Asset Vision to deliver a comprehensive, cloud-based asset management platform designed to bring greater visibility, efficiency, and innovation to the Dulles Greenway's operations and maintenance program.



BRINGING THE GREENWAY INTO FOCUS

The Dulles Greenway spans 14 miles, connecting Washington Dulles International Airport with Leesburg, Virginia. Managing this critical private toll road requires complete visibility across assets including bridges, barriers, gantries, signs, culverts, vegetation, and facilities.

TRIP II and ALX sought a solution that could centralise the entire asset register and maintenance history, support inspection and maintenance workflows with mobile accessibility, integrate advanced technology for AI-based asset identification, enable efficient remote collaboration amid the global COVID-19 pandemic, and deliver a scalable foundation for long-term infrastructure lifecycle management.

Asset Vision was selected for its ability to combine data-driven asset management with practical tools for inspection, compliance, and reporting – all within a flexible, cloud-native environment.



CORE FEATURES DELIVERED

The implementation of Asset Vision provided ALX and TRIP II with:

- A comprehensive Asset Register covering all Dulles Greenway infrastructure assets.
- Integrated inspection and maintenance management workflows for daily operations.
- AI-driven data capture using video analytics to identify and record signage and wire-rope barrier assets from drive-through footage.
- Cloud-based collaboration tools enabling seamless project delivery despite time zone differences and pandemic-related travel restrictions.
- Training and support conducted via remote workshops, ensuring smooth adoption across teams in both the US and Australia.

COLLABORATION WITHOUT BORDERS

Delivered entirely remotely during the height of the COVID-19 pandemic, the project showcased the strength of both teams' collaboration. Regular Zoom meetings replaced on-site visits, with Asset Vision leading virtual workshops and training sessions to configure the system, build asset hierarchies, and validate data accuracy. Despite the distance and logistical challenges, the platform was successfully implemented on schedule – a testament to strong communication, agile project management, and shared commitment to innovation.

VOICES FROM THE PROJECT TEAM

According to Asset Vision, the Dulles Greenway implementation was completed successfully despite the global challenges of the COVID-19 pandemic. The project was delivered entirely remotely, without a single on-site visit, showcasing



exceptional collaboration between teams in Australia and the United States. The platform has provided TRIP II and Atlas Arteria with the transparency, accuracy, and efficiency they needed to manage critical transport assets under complex operational conditions.

THE RESULTS: SMARTER ROADS, STRONGER PARTNERSHIPS

With Asset Vision now embedded across the Dulles Greenway, TRIP II and ALX have a unified platform for managing all assets, inspections, and maintenance records. The adoption of AI-driven asset capture has dramatically improved data quality and reduced manual effort in building and maintaining the asset register. The result is improved visibility, stronger compliance, and enhanced operational efficiency across one of Virginia's most important toll roads.

SETTING A NEW GLOBAL STANDARD

Building on the success of the Dulles Greenway implementation, Atlas Arteria continues to explore opportunities to expand its use of Asset Vision across its global portfolio. The partnership demonstrates how cloud-based asset management and AI innovation can transform infrastructure operations – setting a new benchmark for collaboration between public and private transport operators.

ABOUT ASSET VISION

Asset Vision is an Australian enterprise asset management provider, delivering cloud-native solutions trusted by transport authorities, utilities, and private operators worldwide. Its platform unifies inspections, maintenance, compliance, and AI-driven analytics to deliver clarity, transparency, and control across asset lifecycles.