Finally, a search engine for railway.
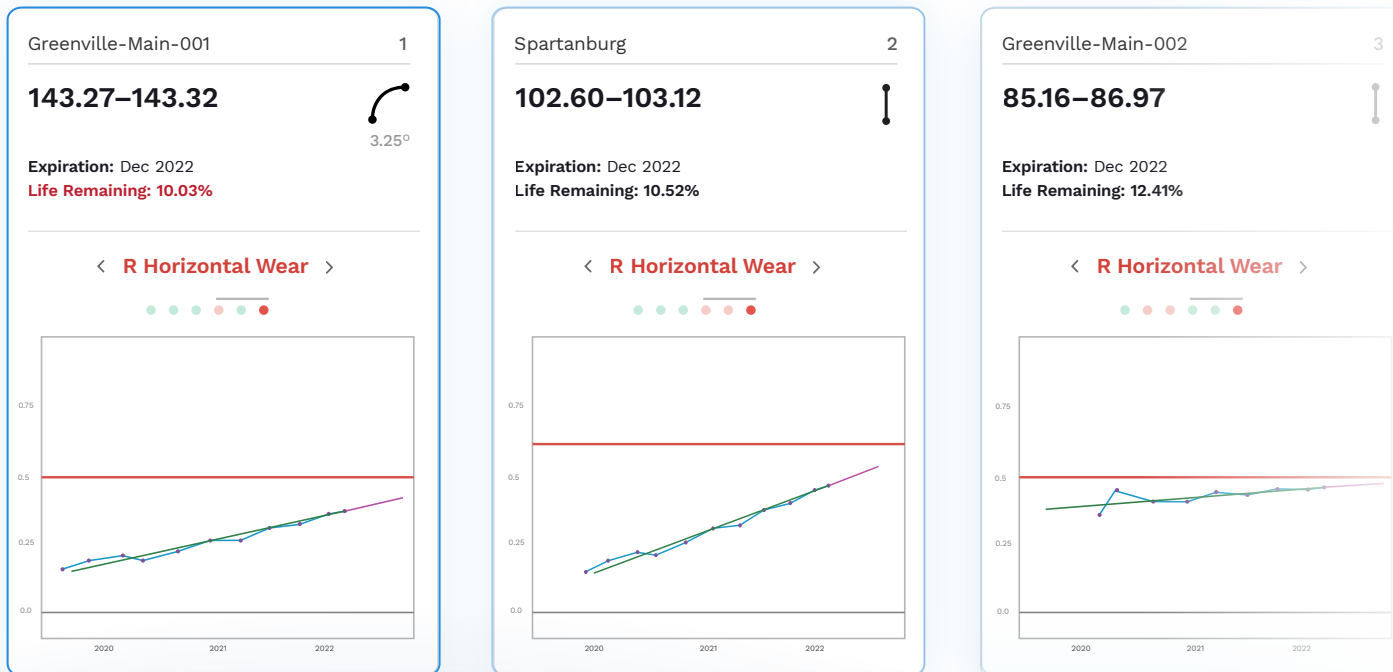
🔍

*VisioStack's **Global Search** allows you to ask precise questions across your entire network—and get immediate answers.*

Greenville-Main-001   1

143.27–143.32

3.25°

Expiration: Dec 2022
Life Remaining: 10.03%

‹ **R Horizontal Wear** ›

Spartanburg   2

102.60–103.12

Expiration: Dec 2022
Life Remaining: 10.52%

‹ **R Horizontal Wear** ›

Greenville-Main-002   3

85.16–86.97

Expiration: Dec 2022
Life Remaining: 12.41%

‹ **R Horizontal Wear** ›

While data is tracked
and analyzed across the transportation industry more than ever before, the sheer amount can become difficult to use effectively—like using the internet without a search engine. Even with powerful analytic tools for highlighting defects and trends, combing through track section by section is time-consuming and inefficient. It heightens the potential for urgent needs to slip through the cracks, resulting in costly mistakes.

Enter *Global Search,* which allows you to ask precise questions across your entire network and get immediate answers. Working hand in hand with our platform analytics, Global Search offers both a 30,000-foot view of your entire operation and the ability to quickly identify the highest-risk assets, making maintenance planning more efficient, safe, and cost-effective.

$240 million

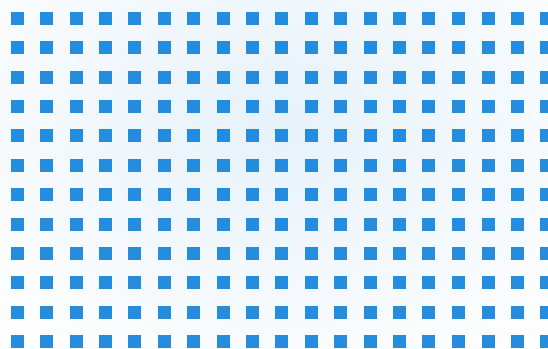**reported derailment spending yearly in the U.S.**

The AAR estimates additional costs (loss of commodity, cost of train delays and rerouting) to double that number.

Source: *Development of the Future Rail Freight System to Reduce the Occurrences and Impact of Derailment,* 2012.

Search and data visualizations simplified for illustrative purposes.
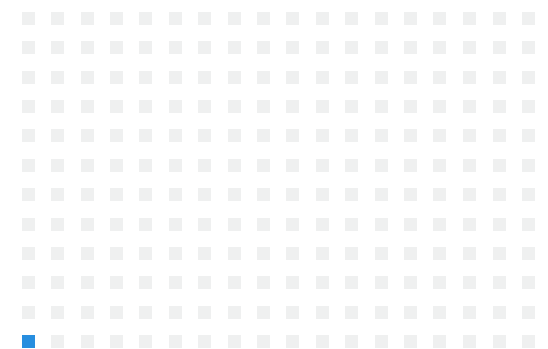
For example, identifying which bridges across your network need maintenance requires finding the areas of track that are both close to bridges and also trending poorly.

Without an automated tool to combine these parameters, the task could require thousands of individual assessments of condition data corresponding to the location of each bridge. Global Search, with its flexible search criteria, can propagate the locations immediately and filter for the worst-trending areas, allowing you to establish your risk and respond efficiently.

No filters applied

1,220,067 assets | **22,103** miles

Targeted filters applied

23 assets | **4.5** miles

TRACK DESIGN = CURVE or TANGENT

overlaps **BRIDGE**   **SURFACE DEGREDATION** max value > 2

Of course, the quality of your search depends on the quality of your data architecture. As the latest addition to VisioStack's platform, Global Search operates on a strong base of data organization and cutting-edge analytic tools to pull together condition data, asset data, and operation data across your entire network to produce an instantaneous and actionable risk assessment.

For more than a decade, VisioStack has been working closely with clients from large national railways to smaller regional ones to develop a responsive platform that can be tailored to each railroad's particular operation. With Global Search, we continue to add features that can be adapted to our clients' current and future needs. To learn more about how VisioStack's different tools can serve your operation, contact us at **info@visiostack.com**.

"Global Search empowers anyone to find detailed, comprehensive answers . . . it's the all-in-one solution for visualizing and reporting."

Sam Henry
VisioStack Data Scientist, Developer on Global Search

A global view, sharply focused.

VISIOSTACK