

## 7.1.1

### **Using Linear Asset Management with Geospatial Overlays to Proactively Manage Infrastructure**

#### **Presenter**

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Managing linear assets (such as highways, rail, and pipelines) is a delicate balancing act: Stretch them to failure and they can break in costly and deadly ways. Retire them too early and you lose valuable operating life...

Asset condition data is a good starting point for understanding how to manage the infrastructure, but often the asset condition is strongly influenced by its surroundings. Integrating geospatial data about the surrounding terrain, drainage, exposure, traffic routes and substructure helps the maintenance team see the complete picture. Oracle and Bentley Systems have developed such a system, capable of managing thousands of miles of continuous linear assets. Maintenance engineers can select assets in a linear view and see corresponding geospatial information about them, or vice-versa. This provides key situational awareness for developing the most efficient and cost effective asset renewal and maintenance plan.