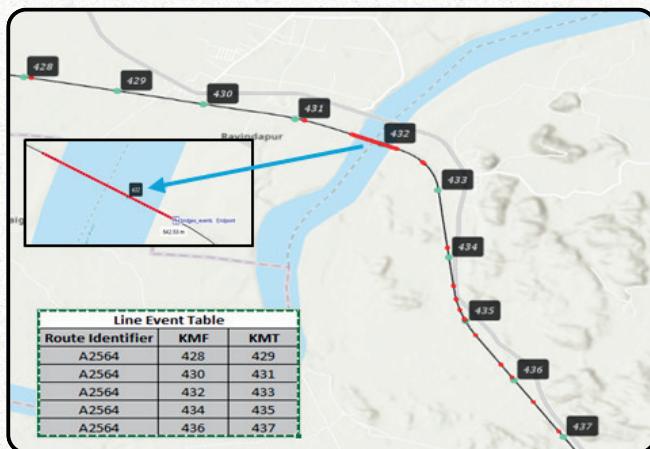


# DYNAMIC SEGMENTATION based on **ESRI'S LINEAR REFERENCING SYSTEM**

## Why LRS:

LRS provides a robust framework for managing and analyzing data related to linear features. It enhances precision, efficiency, and flexibility in data handling, supporting a wide range of applications in infrastructure management, transportation, utilities, and beyond. The potential users of LRS includes NHAI, State PWDs, Railways, Fiber Companies, Oil and Gas Companies and so on.



## LRS Expertise:

- Organizing Calibrated Points:** Eliminating redundant data to ensure accurate calibration and accuracy of linear feature assets.
- Error-Free Linear Feature Topology:** Linear features that are free of topological errors, and accurate data representation
- Linear Referencing Methods:** Appropriate LRM methods for locating data on the network

- Calibrated Linear Features Creation:** Creating precise calibrated linear features for enhanced data accuracy and asset management
- Event Creation and Database Organization:** Creating and managing events, organizing them within an enterprise database for seamless access and analysis
- Dynamic Segmentation:** Dynamic segmentation techniques to visualize and analyze events along routes without modifying the underlying geometry
- Incorporating Real-Time Data:** Develop interface to integrate real-time data feeds into actionable insights on dashboard, allowing up-to-date monitoring of business operations, maintenance activities, or incidents
- Event-Driven Analysis:** Triggers and alerts setup within dashboards based on real-time data changes, enhancing operational decision-making
- Data Visualization and Reports:** High-on visualization experience, enabling intuitive and insightful asset management.
- End-to-End Project Management:** Managing the entire LRS process, from data preparation to final analysis and reporting, ensuring successful implementation for large-scale datasets like the Indian Railway Network.
- Collaboration and Communication:** Collaborating with stakeholders, communicating technical details effectively, and delivering results that align with project objectives.

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