Interactive Visualization of LRS Data:

Latitude Geographics Inline SLD Solution

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Over the next 20 minutes...

• Intro to Geocortex Essentials & Workflow
• What is Linear Referencing?
• The Inline Solution
• Demonstrations
• Questions
Geocortex Essentials:

A framework for building and maintaining a gallery of simple and powerful web mapping applications
What is Geocortex Essentials?

- Market-leading solution for building web GIS applications that simplify complex interactions and enable users to accomplish their spatially-enabled business objectives quickly and easily.

- Focus on usability, clarity, and accessibility for end users.

- Focus on ease of creation, ease of maintenance, and long-term technology future proofing for application creators.
We provide some unique and amazing capabilities.
Workflow

Streamline and automate complex business processes, increasing efficiency and end-user success.
Choose from a huge library of reusable Activities, or create your own.
Chain Activities together to create guided user interactions inside your apps.
Intuitive, Guided interactions

Step 1
Capture geometry

Step 2
Collect form data

Step 3
Map automation
Intuitive, Guided interactions

Step 1
Capture geometry

Step 2
Collect form data

Step 3
Map automation

Step 4
Generate a Report
Okay, but how can we use workflows to streamline business processes along *our* Linear Networks?
Linear Referencing

• Linear Referencing is the method of storing geographic locations (events) by using relative positions along a measured linear feature.

Accidents | 2 | 4
---|---|---
Lanes | Asphalt | Concrete | Asphalt
Material | 45 | 35 | 45 | 55
Speed | Fair | Good | Poor | Good
Quality

“The bridge is at mile 10.5 on Highway 12”
Linear Referencing Shortcomings

- Challenge with event data in the GIS canvas
  - 2D representation
  - Data is lost in layering
  - Lost data can’t get interpreted
  - If you can’t interpret data, you can’t make decisions on it
How to meet the needs of several industries...
Straight Line Diagrams

• Provide information about linear assets
• Show information as bands
• Show the physical line on a map
• Often used by workers in the field
• Used for planning and operating
Straight Line Diagrams (drawbacks)

- Time consuming to prepare
- Static for a range
- Information is pre-assembled
- Requires a legend to understand
- No filtering or advanced analysis
Inline

Visualize your linear network assets using interactive alignment sheets
DEMO:

Geocortex Inline
Thank you

• Inline is a Linear Referencing Solution
• Designed to meet customer’s needs
• Works with Esri's Roads & Highways
• Is extremely extensible!
  • Workflows
  • Custom Symbology
  • Templates
  • Events (non-spatial or spatial)
  • ...
Come see us...

Booth 48
Discussion / Questions