Esri Roads and Highways:

An Introduction to Roadway Reporter

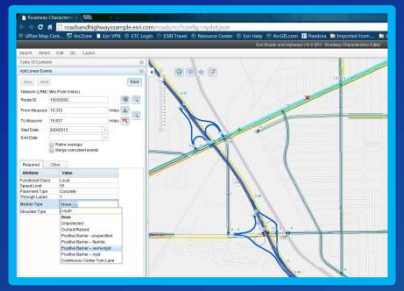
(Demo Theater)

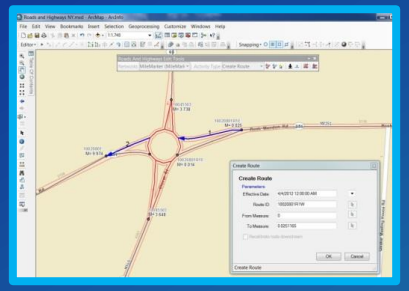
Tom Brenneman

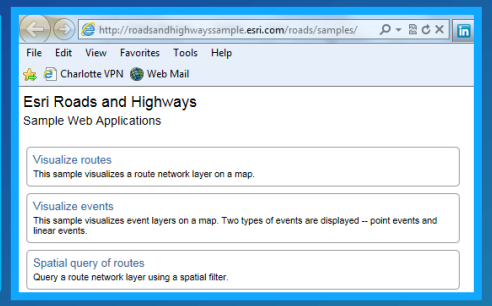
Agenda

- **Roads and Highways introduction**
- **Roadway reporter overview**
- **Roadway reporter demonstration**

What is Esri Roads and Highways?

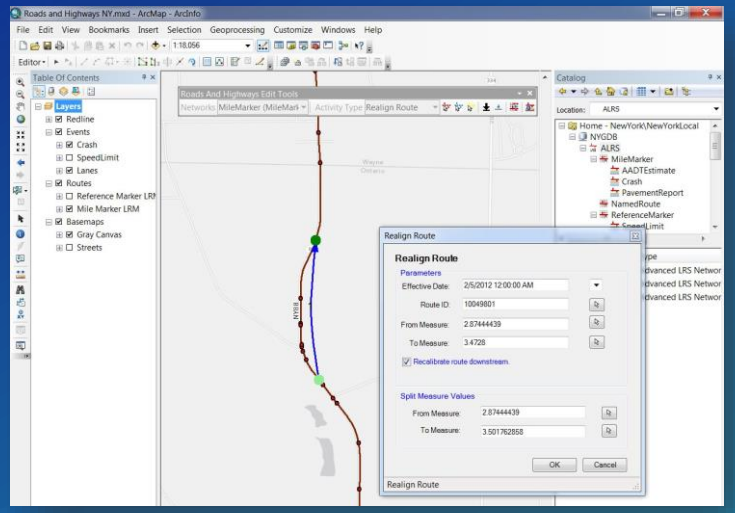


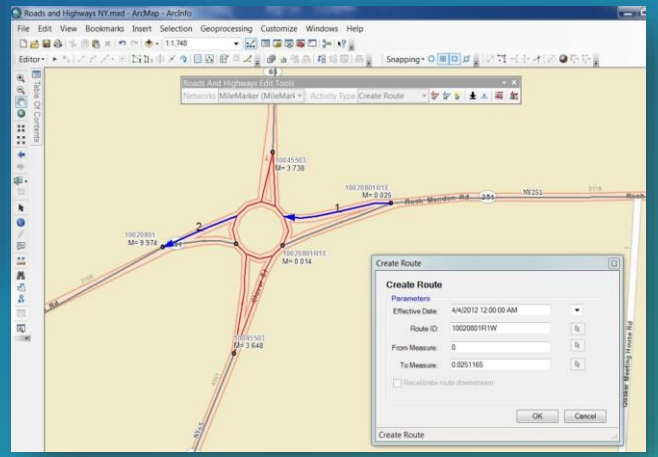




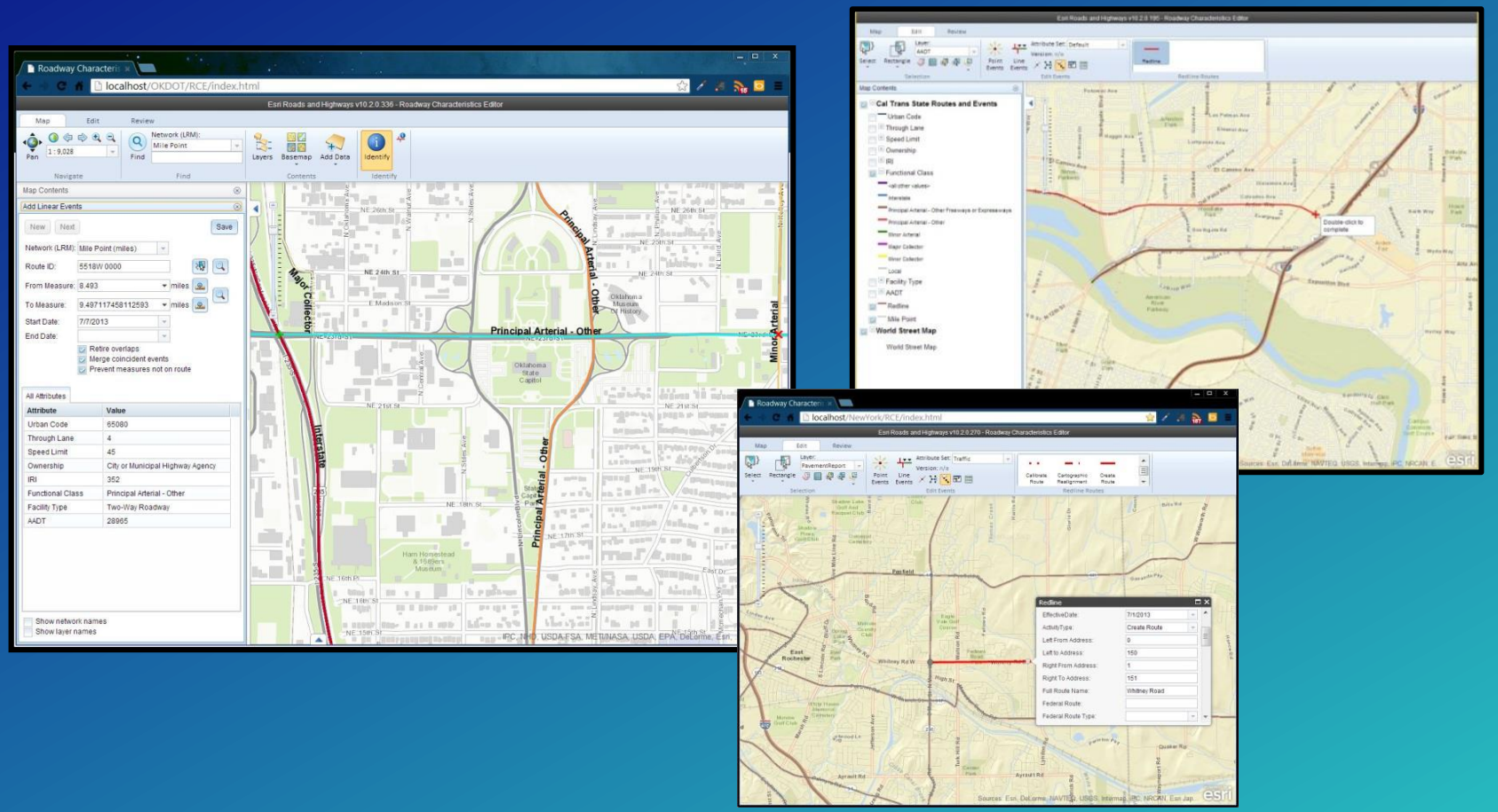
- Maintenance
  - Focused route editing tools
  - Web-based Roadway Characteristics Editing solution
    - Address maintenance tools (10.3.1)
- System Integration
  - Dynamic integration of enterprise business systems
  - Automated synchronization of business systems with LRS
- Application framework
  - LRS web services functionality for collaboration & data quality

Focused LRS editing tools

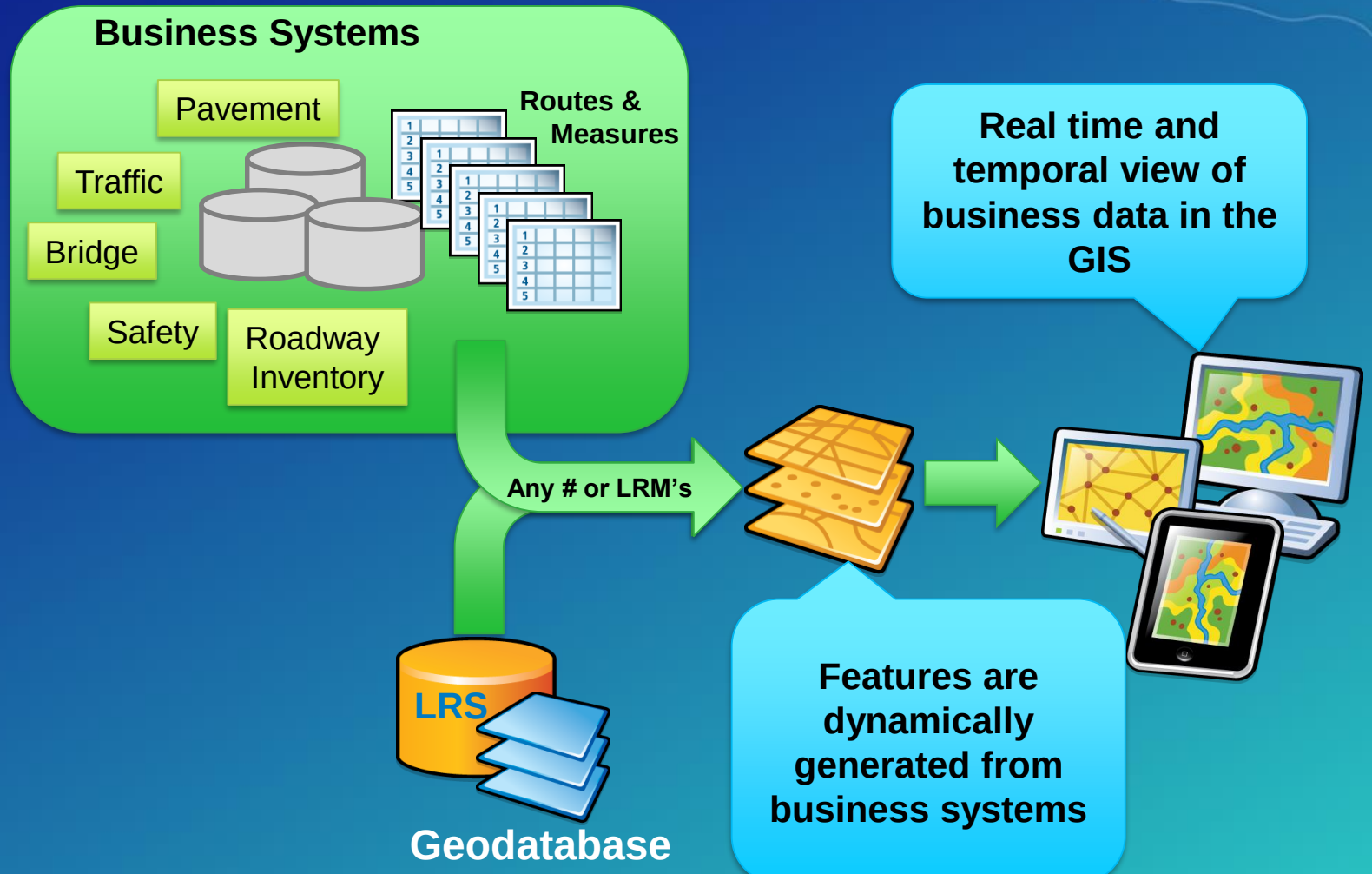




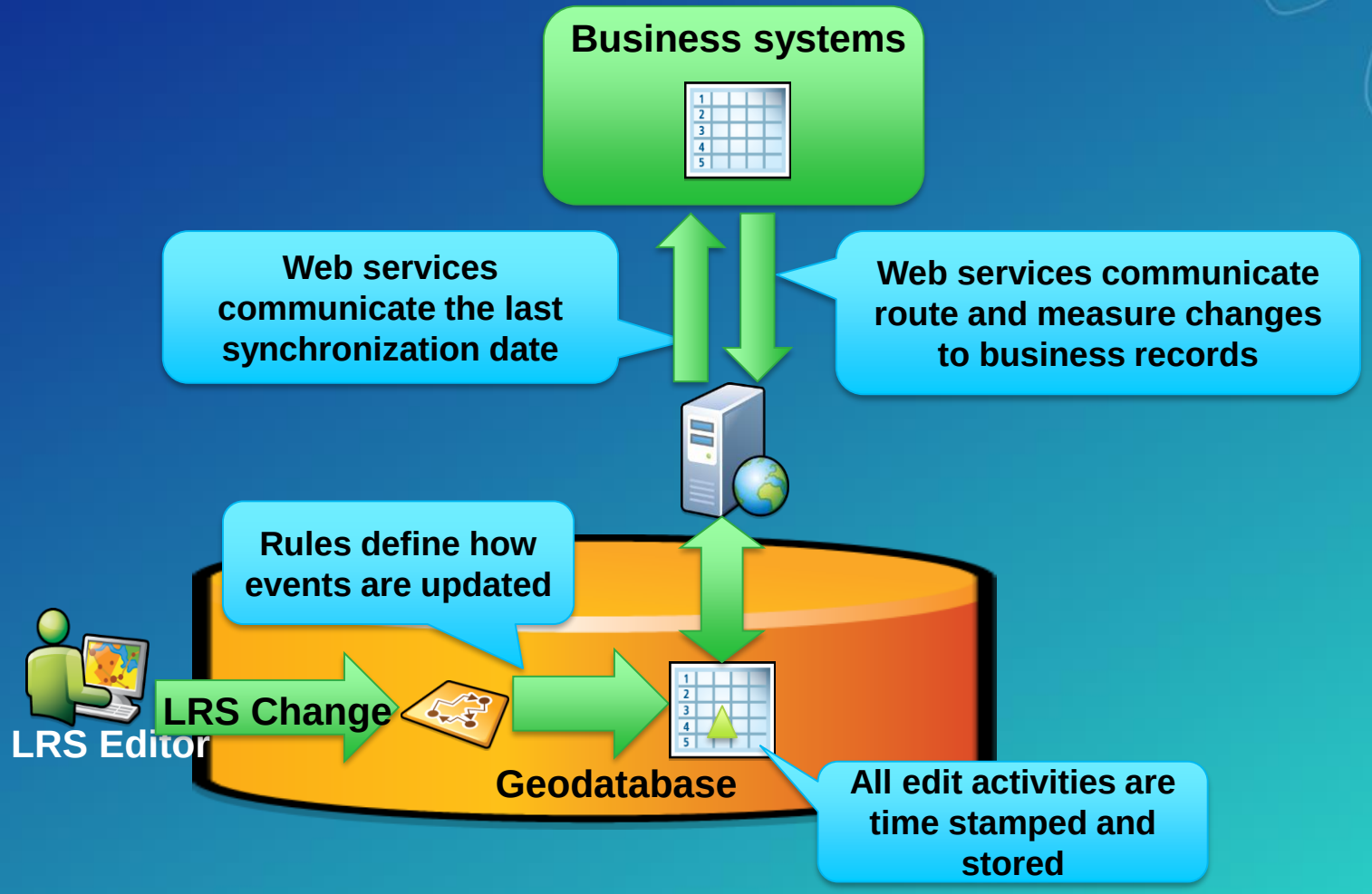
Event Editor



Dynamic integration of enterprise business systems

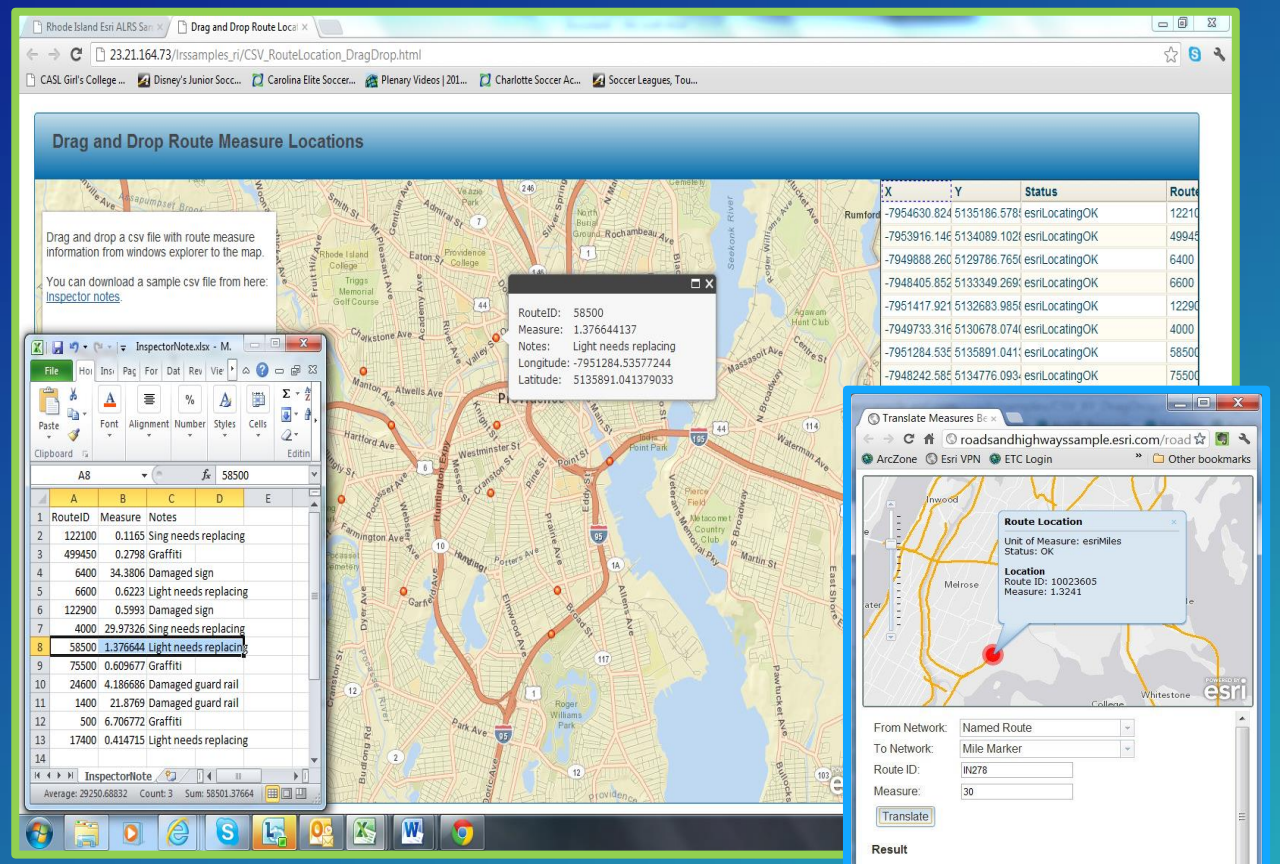


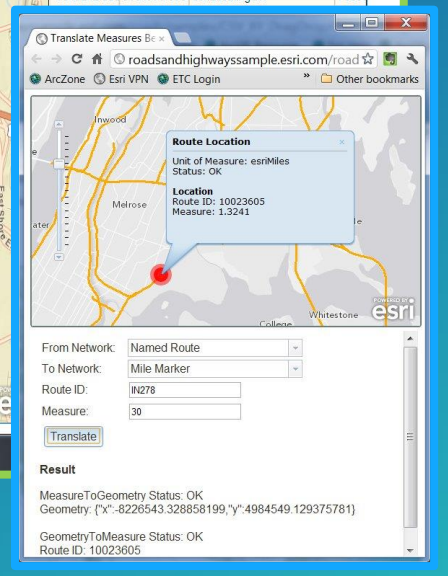
Automated sync of business systems with LRS

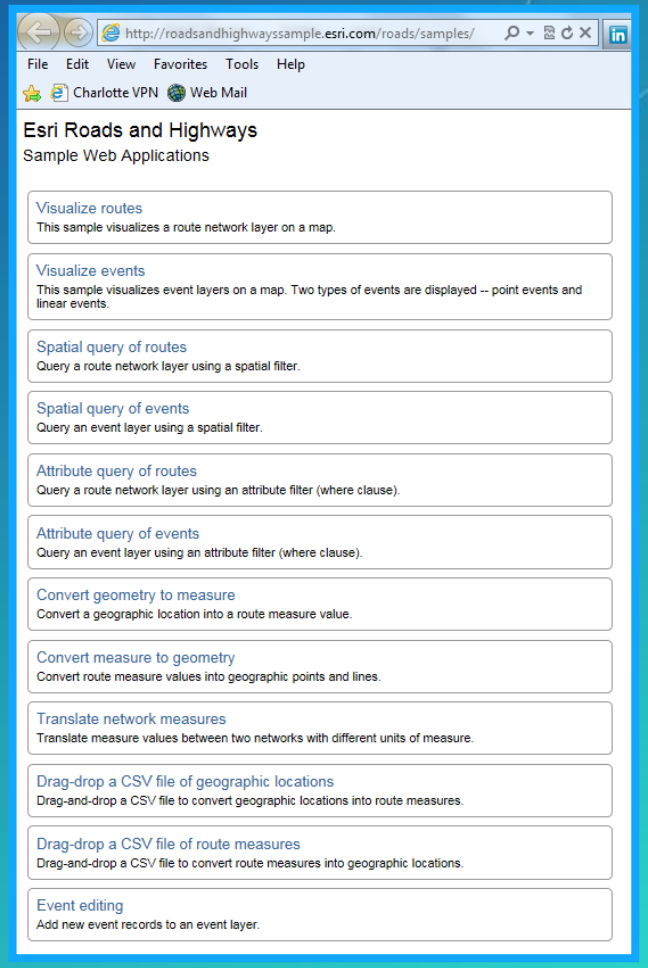


Robust set of web services for a variety of LRS functions

Improve data integrity & usability







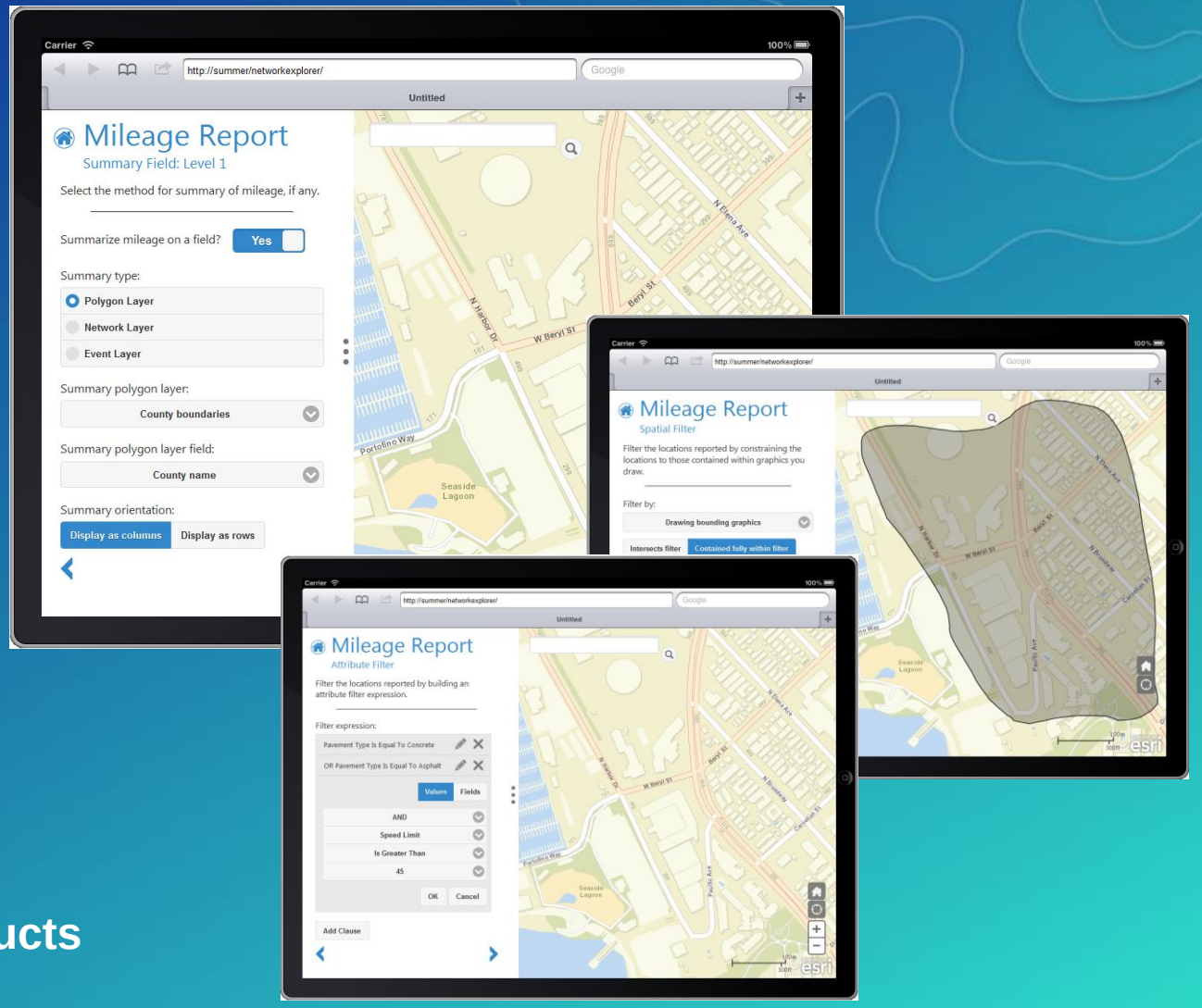
Roadway Reporter

- **Report types**
  - Mileage summary reports
  - Road locations & segments
  - Mile log

- **Filter and combine event layers**

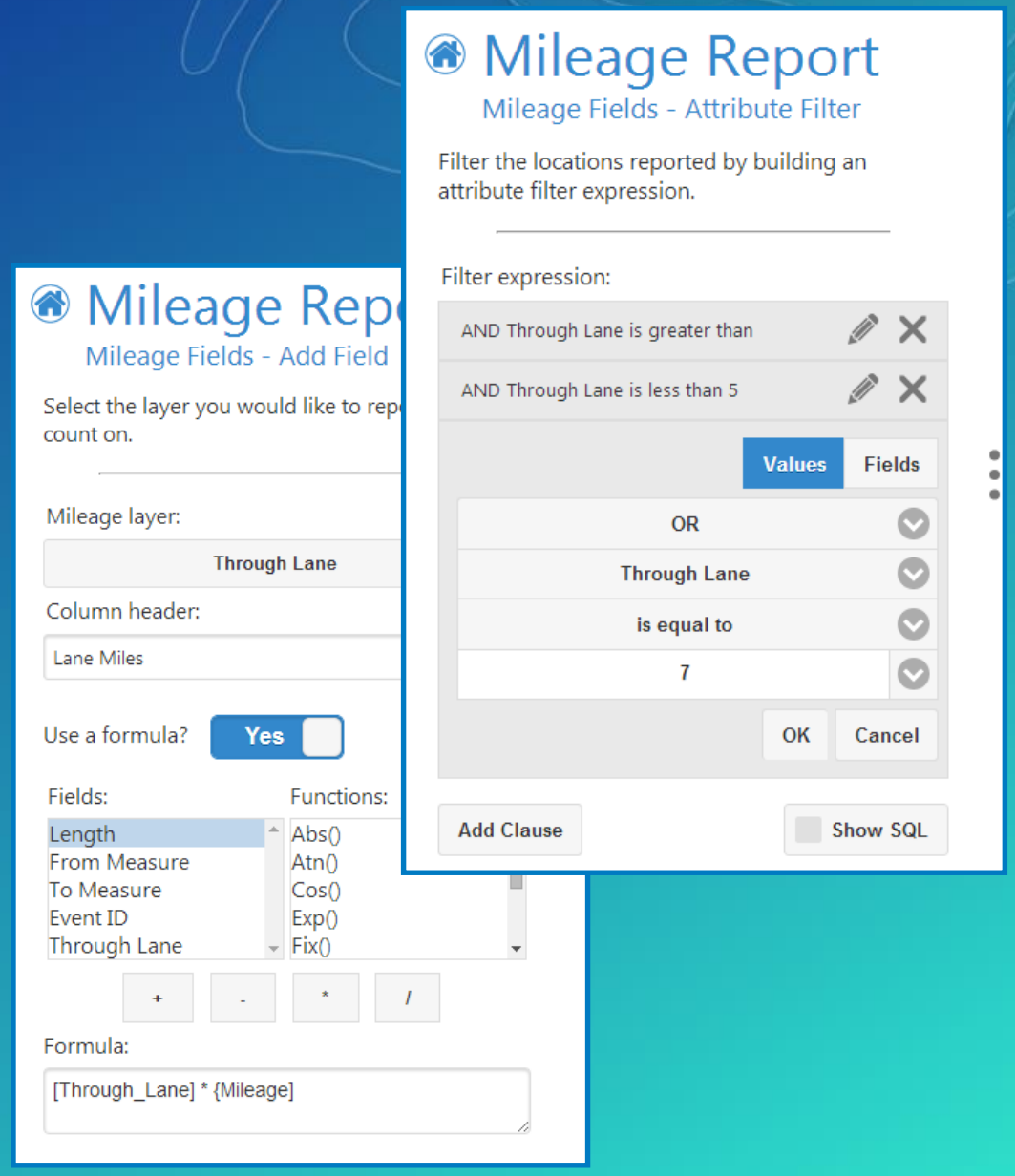
  - Web based for PC or tablet
  - Opens data to decision makers

  - Produces
  - Tabular reports, maps, data products
  - PDF, CSV



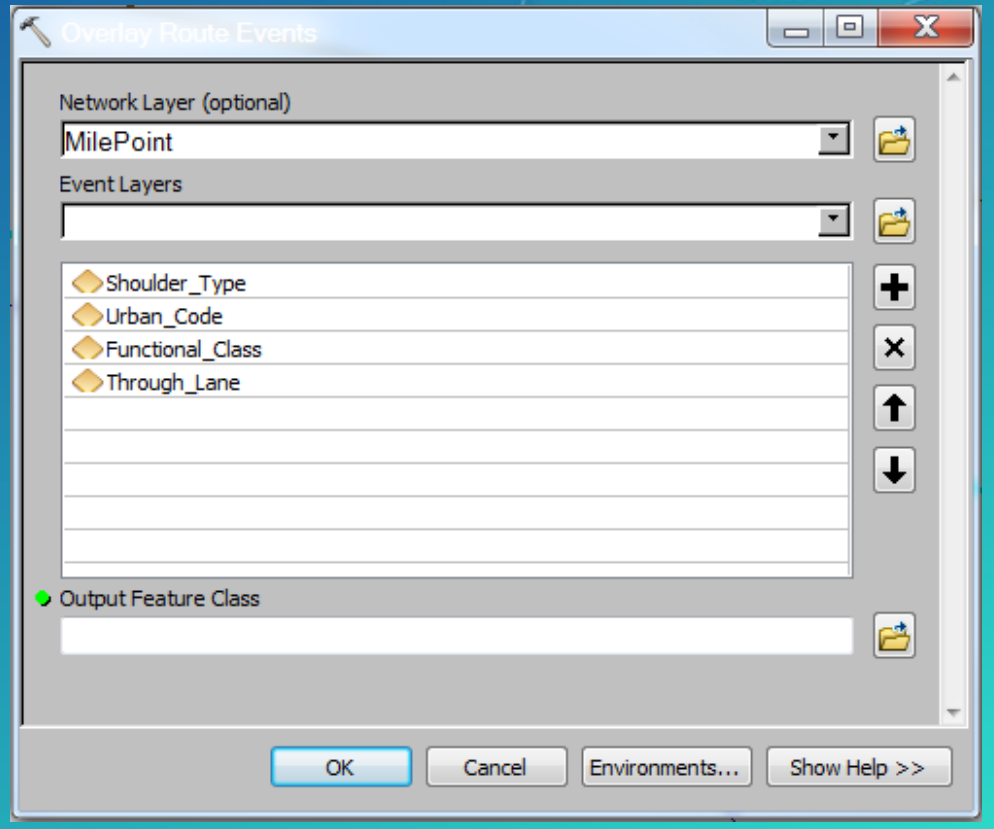
Roadway Reporter

- Leverages Web Services
  - Road and Highways for Server required
- Integrated with ArcGIS for Organizations and ArcGIS Portal
  - Provides user and sharing model
  - Per user licensing
  - Stores report configurations
- Uses Overlay Route Events
  - New tool for Roads and Highways



Overlay Route Events

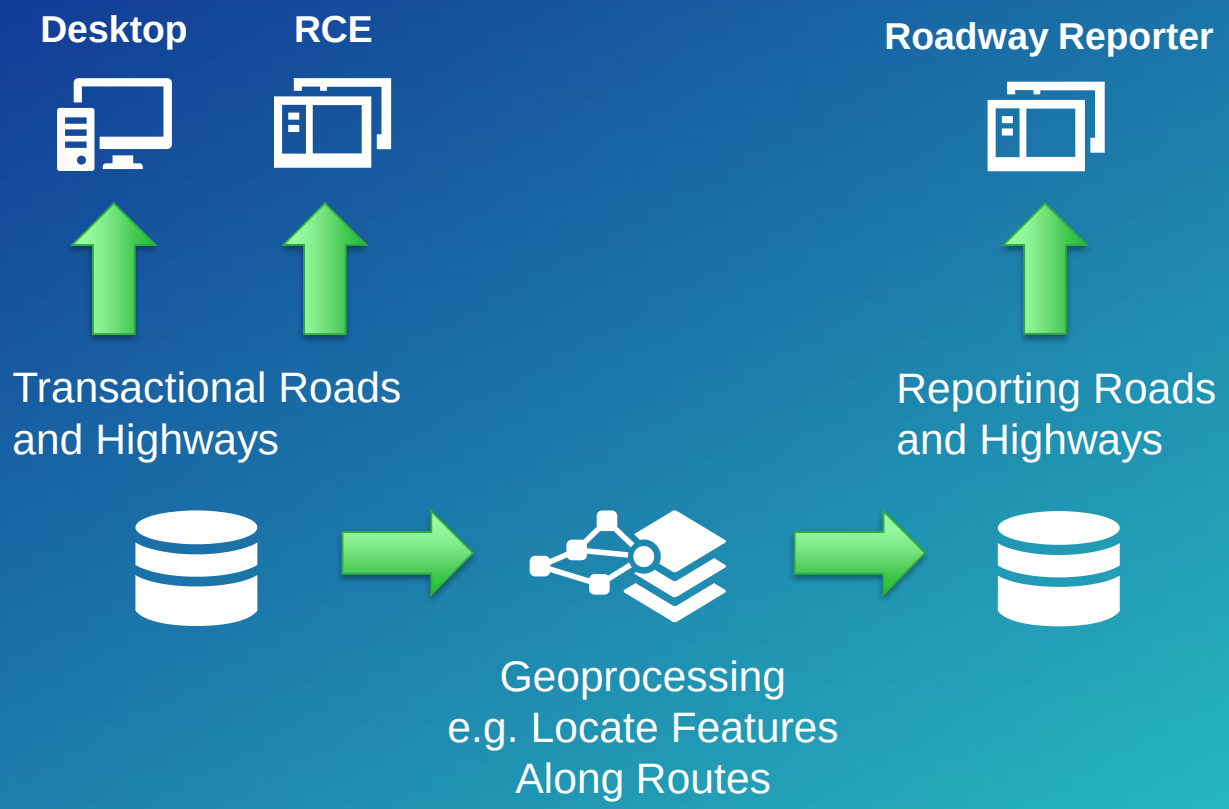
- **Supports …**
  - Event feature classes
  - Dynamically segmenting multiple event layers
  - Event LRM measure translation
- **Can produce publication dataset for Roadway Reporter**
  - Faster reporting
  - Optional, not required
- **Can produce dataset for other reporting tools**



Sharing reports

- Share report configurations through ArcGIS Online groups
- Modify shared reports and share with others
- Report outputs
  - Share as files
  - Use CSVs in Esri Maps for office

Creating a publication data model from reporting



Demo

Probably the best demo you have ever seen. You will tell your friends about this demo. You may cry during this demo!

Resources

- https://geonet.esri.com/groups/departments-of-transportation/projects/esri-roads-and-highways-extension
- Tom Brenneman – tbrenneman@esri.com
- Search “Roads and Highways” in the agenda

Questions

About anything….

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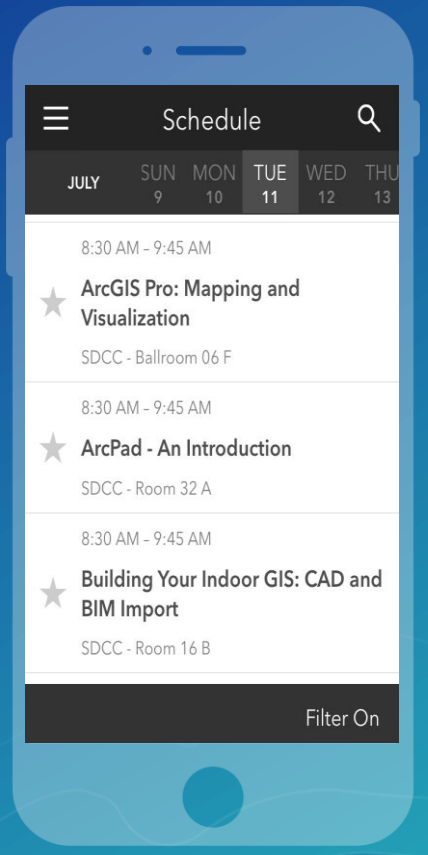
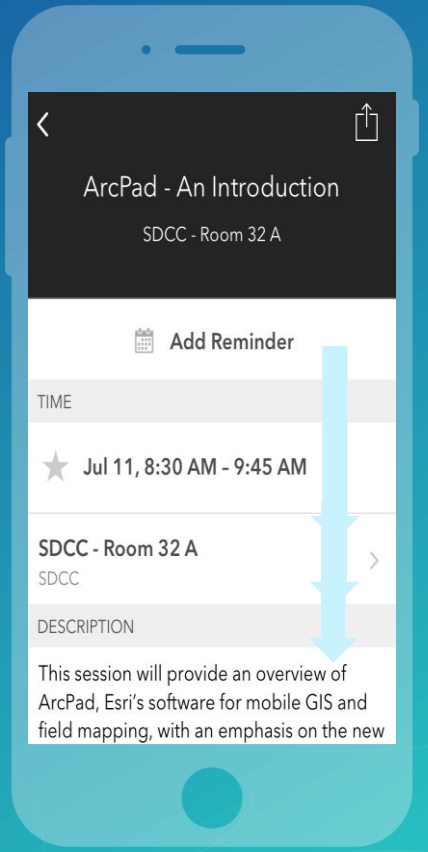
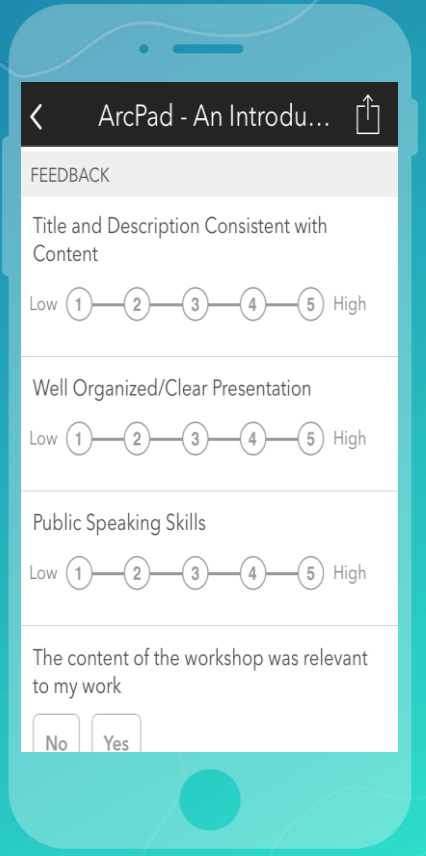
Select the session you attended

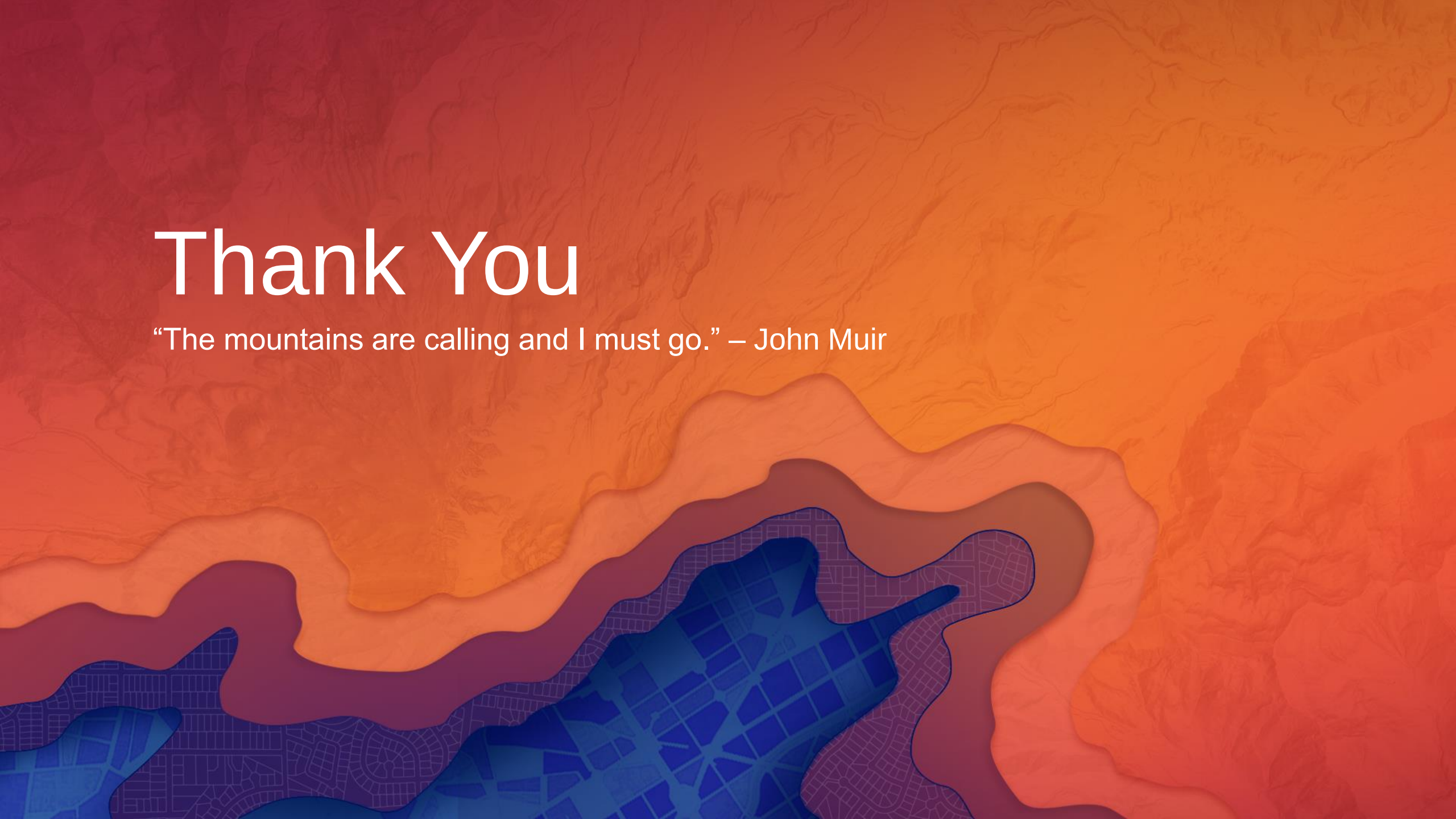


Scroll down to find the survey



Complete Answers and Select "Submit"



Thank You

“The mountains are calling and I must go.” – John Muir