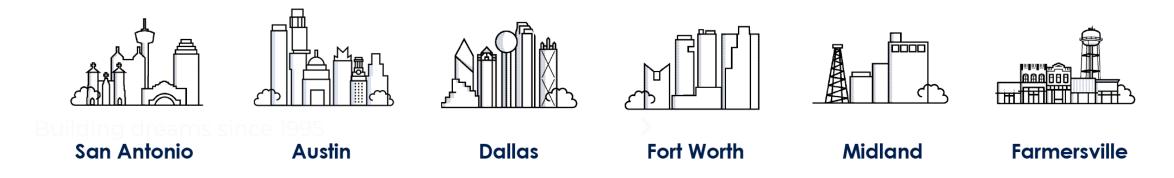


GIS and Road Maintenance Documentation

Matt Patyk, CPSWQ Dunaway Associates, LLC

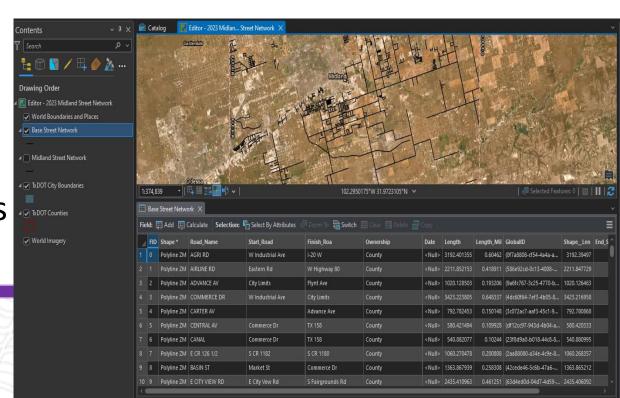


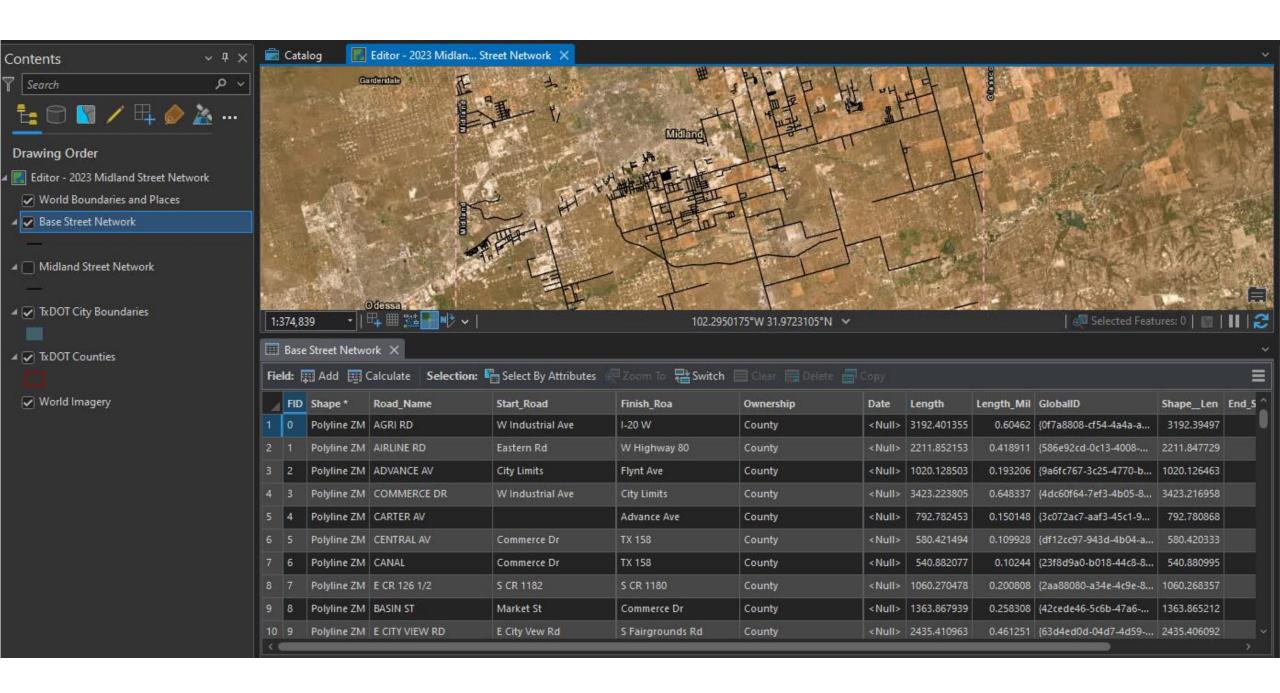
- What is GIS
- Midland County Example
 - Desktop Use
 - Mobile Use
- Can I still use spreadsheets?
- Access/License



What is GIS?

- Geographic Information System
- Creates, manages, analyzes, and maps data
- Integrates location data with descriptive information (customizable)
- Imagine Google/Apple maps on steroids

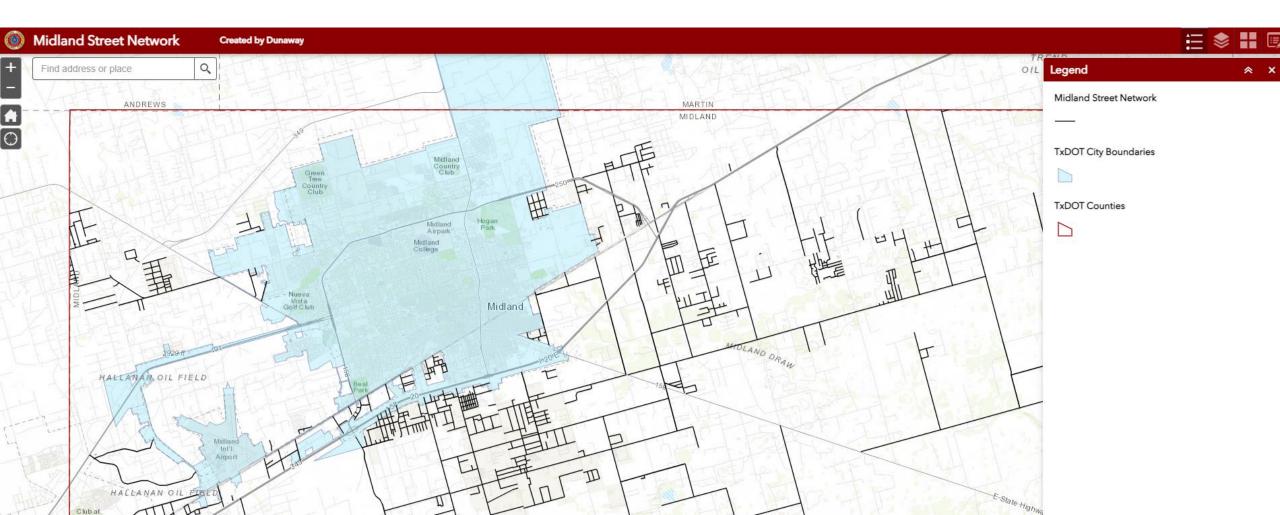




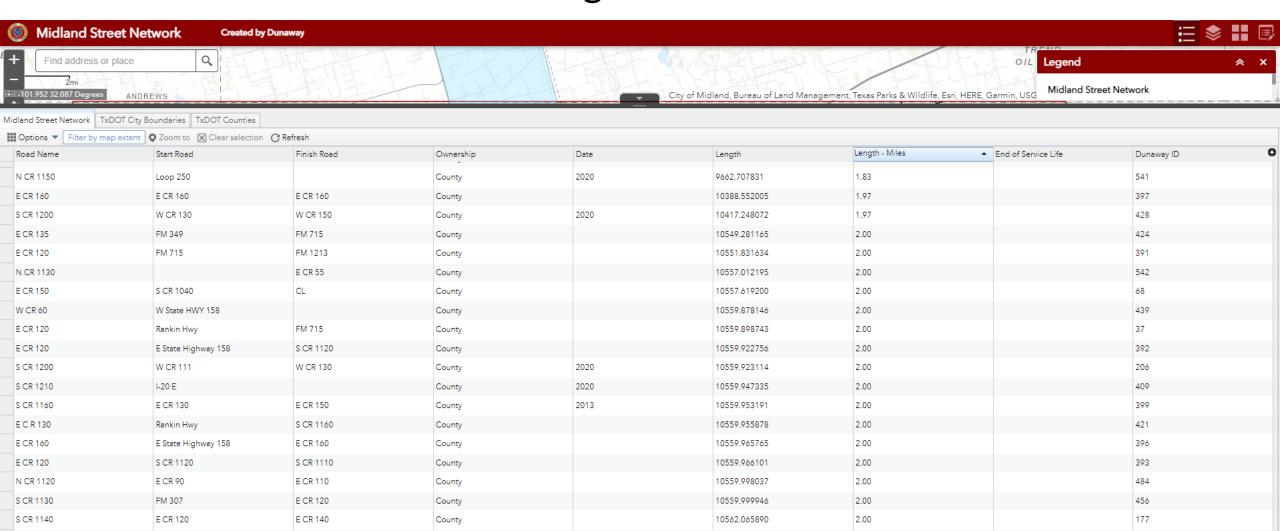
- Started with existing roadway layer
- Divided roads into ~2-mile segments
- Include field(s) to assess remaining service life
- Analyze data using dashboards



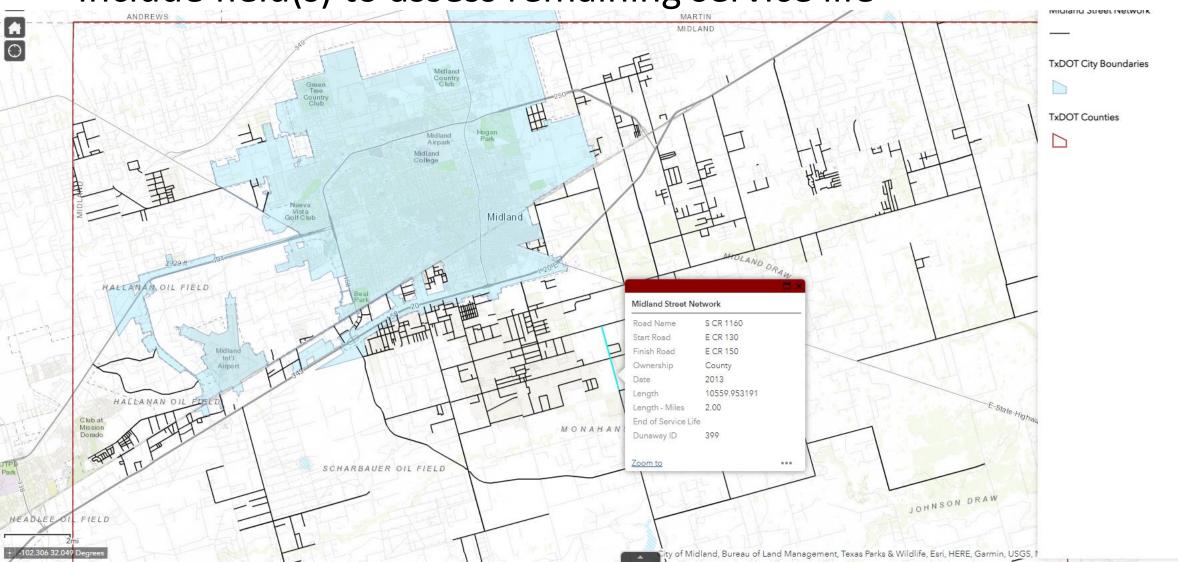
Started with existing roadway layer



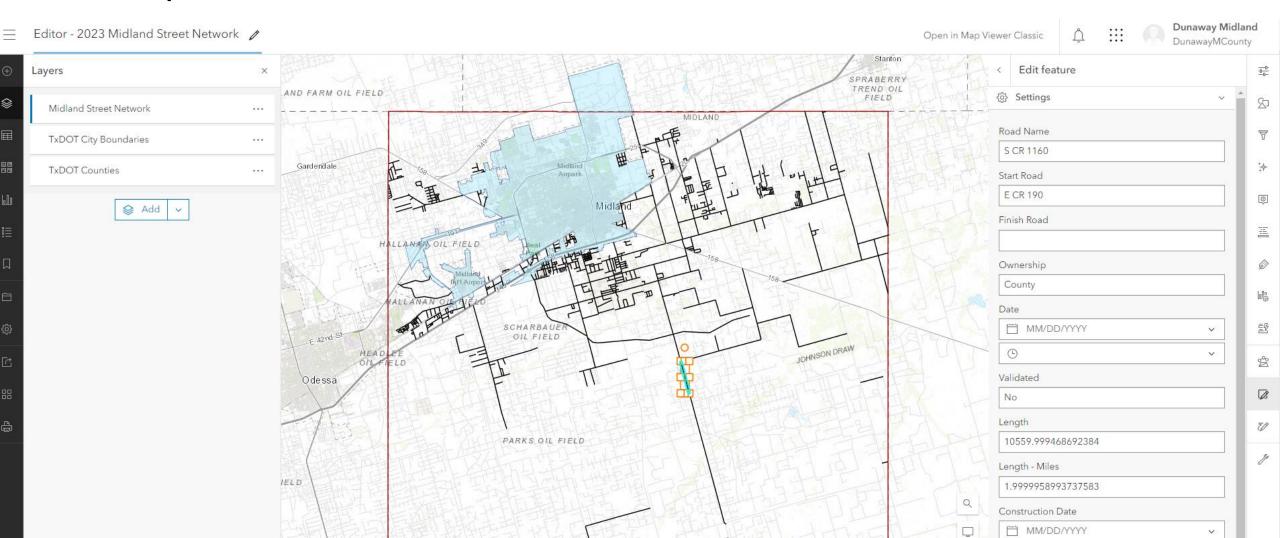
Divided roads into ~2-mile segments



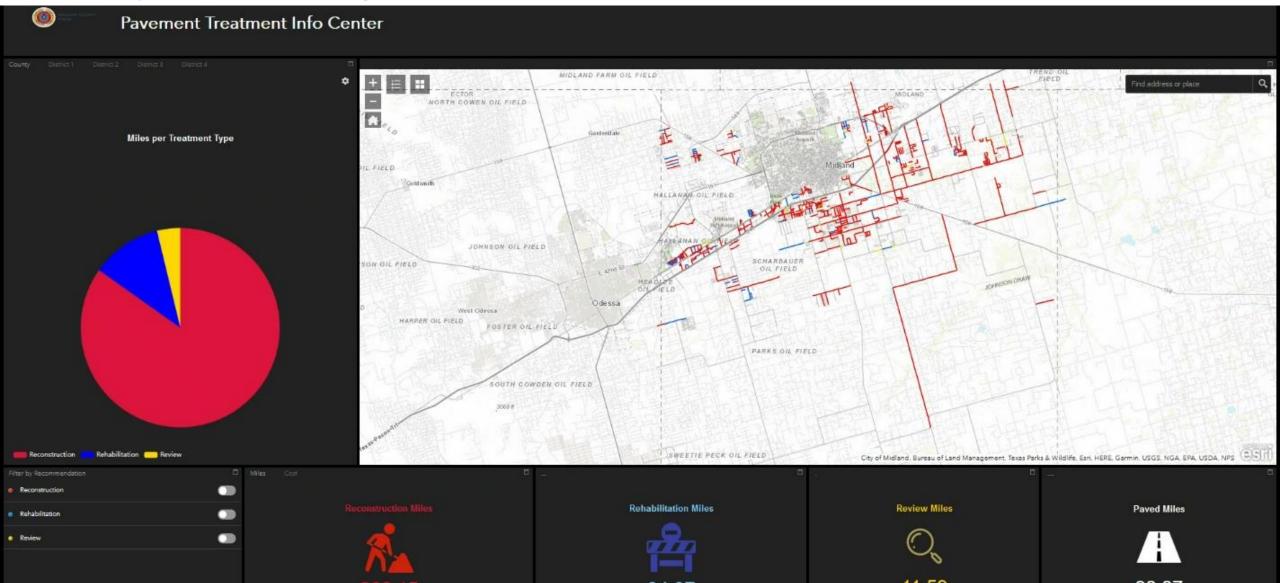
• Include field(s) to assess remaining service life



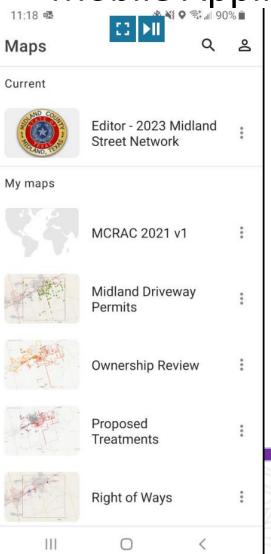
Set up for edits

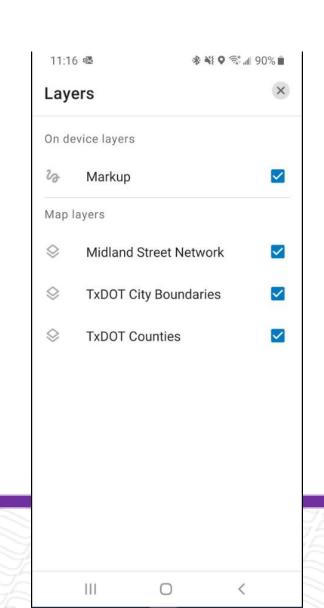


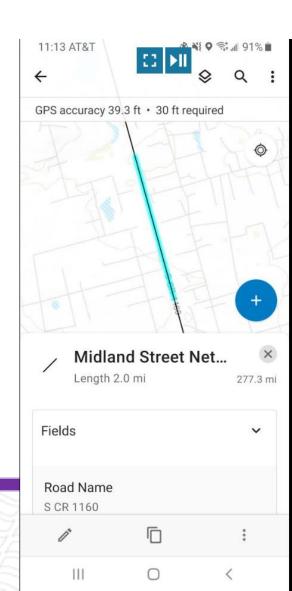
Analyze data using dashboards



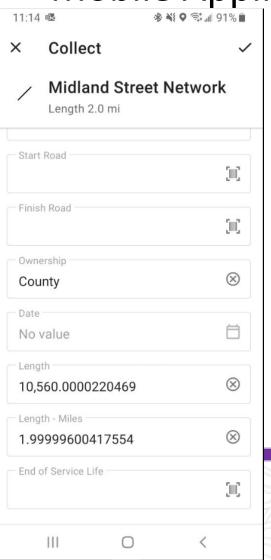
Mobile Application

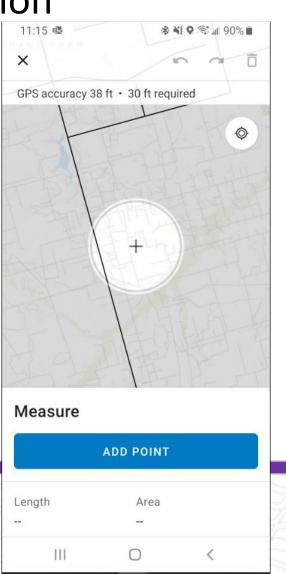


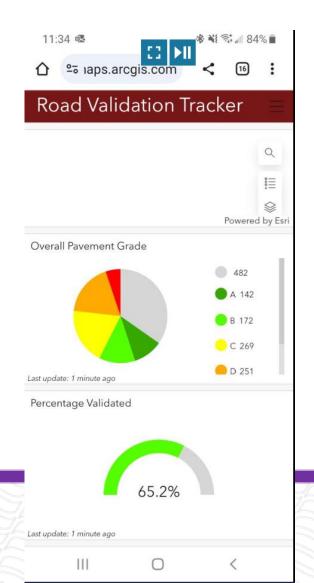


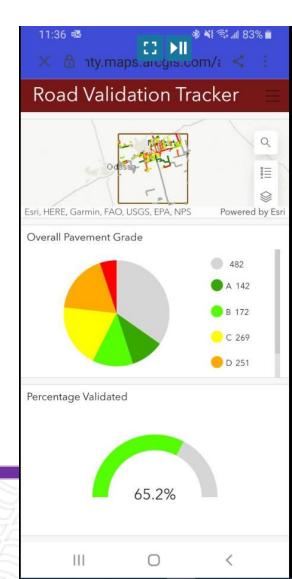


Mobile Application



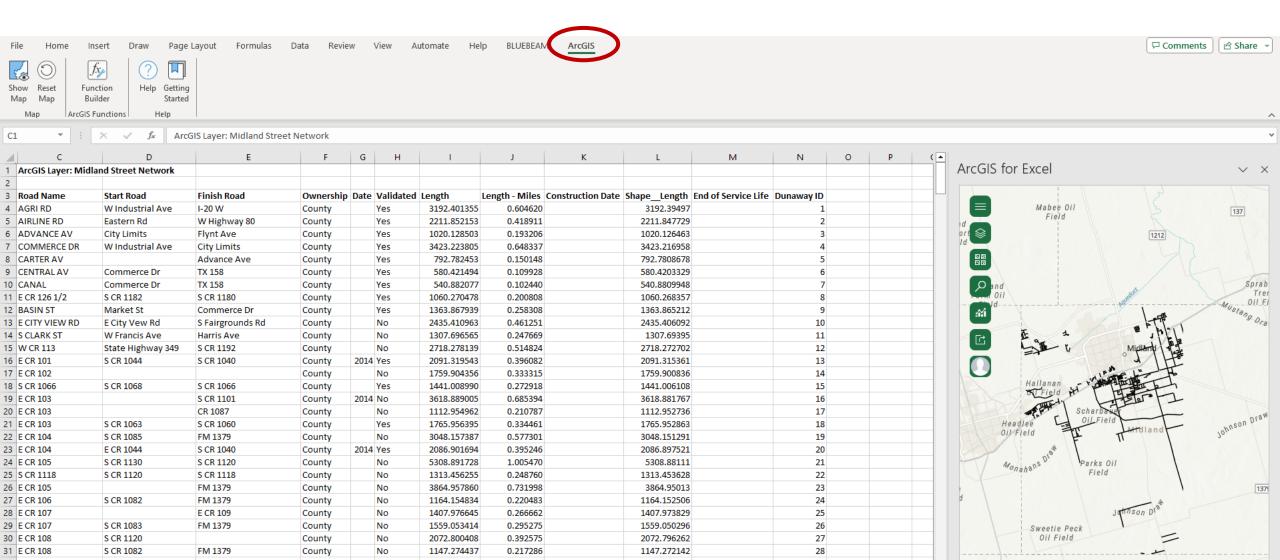






Spreadsheets?

ArcGIS Add-in for Excel



Access/License

- Access through web browser or mobile application
- Unique login per user, SSO capable
- ArcGIS Online has 4 license types
 - Creator Full online ability
 - Mobile Worker Data collection and Edit ability
 - Editor Edit ability
 - Viewer only view data/apps

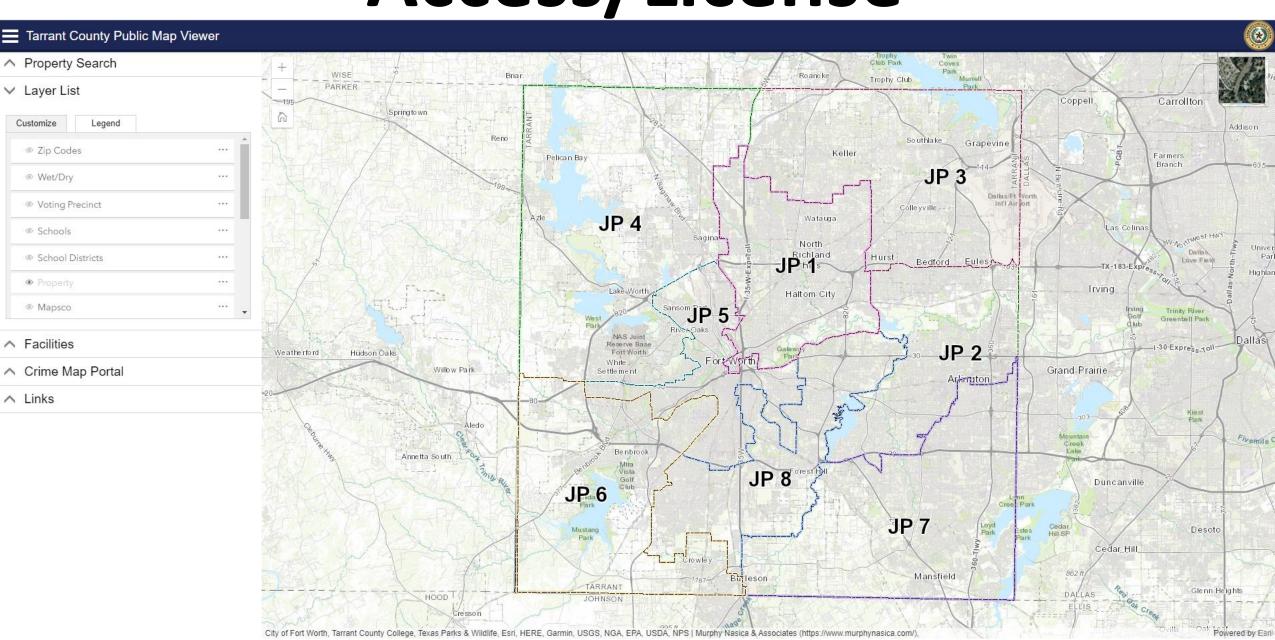


Access/License

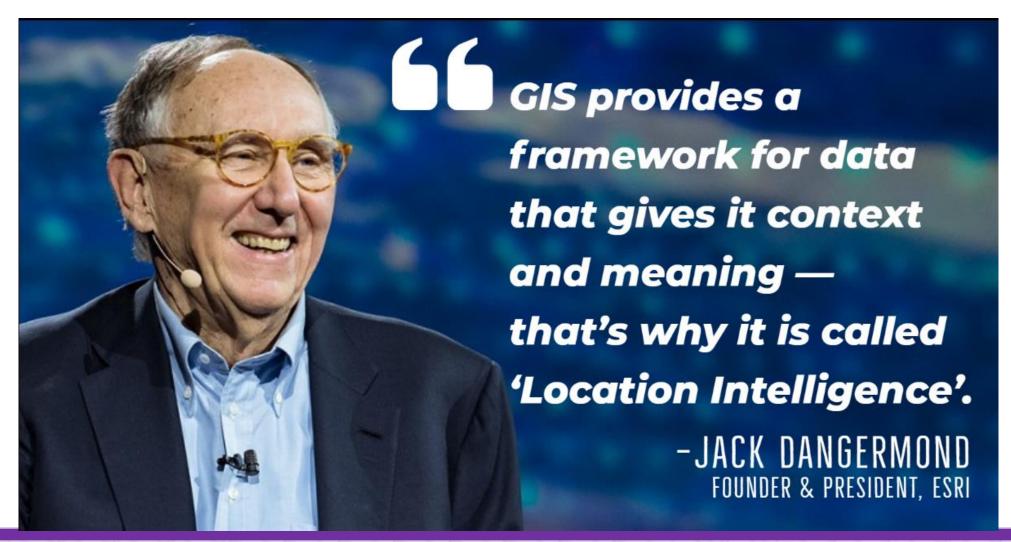
- Creator \$550/year
- Mobile Worker \$385/year
- Editor \$220/year
- Viewer \$110/year
- Must Purchase Creator to start



Access/License



Questions?



mpatyk@dunaway.com 817-632-4774

