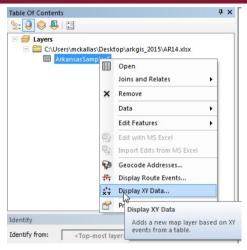
Configuring esri's platform for a bridge inspection

By Mike Kallas



Setting up Inventory in ArcSDE

- National Bridge Inventory
 - https://www.fhwa.dot.gov/bridge/nbi.cfm
- Create your bridge points
 - X,Y's from MS Excel with some configuration
- Save bridge feature class and save as SDE table
- Feature class created for field collection, editable

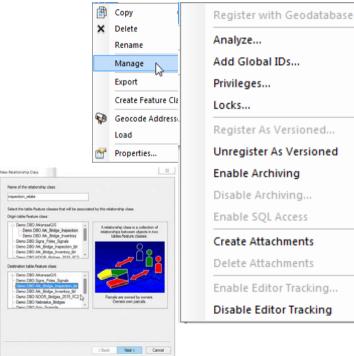




ArcSDE configuration

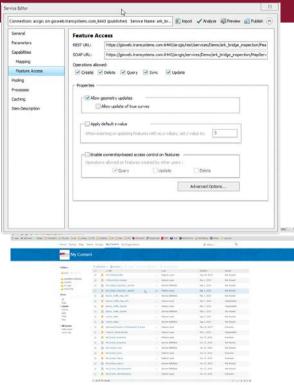
• Once our feature class is created

- Creat GloballD's on feature class
- Enable Archiving so that you can edit offline (Sync capability in features service set up)
- Enable Editor Tracking (captures last person to edit record or feature)
- Create Attachments for photos (related table)
- Build I-M relationship class (have Gloabal ID's in table and feature class
- Also in the **Related** table have a GUID (Bridge_ID)
 - On to creating feature service...



Bringing ArcSDE features to web

- Configure your feature service from ArcGIS desktop with related tables and theme (inspection needed, inspection complete)
- Open your MXD with feature class at SDE table already related
- Configure your feature service with SYNC checked (look in details once in arc online)
- Create on your own web services (REST) or Arc Online
- Now finally on to the web and **ArcOnline**



I'm sure these guys are thinking GIS...





Configuration of Arc Online for field

- ▶ Go to Arc Online I'll go to TSC Arc Online
- Make a Map and add feature service bridge inspection
- Configure Pop-ups and Attributes to what you want to see on Collector (there is always tweaking)
- Display from Attributes
- Make a search, bookmarks, symbol configuration
- Save the Map and then go to **mobile device**

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	6		(GlobalID) (OBJECTID)	Objectio		
			(one-ne)	b.	OK	CANCEL

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And you thought configuration was over...

- Don't tell anyone you have a mobile 'Collector' app until you have tested it
- Open mobile device I've used iPad's, worked well
- Microsoft esri Collector on Windows 10 BETA (soon?) if you like the Surface
- My Android, Google Play experience limited, ask my 13 year old daughter, only can contact her via Instagram
- View & Add new feature- Collect here
- New **adds** a record to (one to many) on inspection table relationship (example)
- Bookmarks, search...test it
- Other stuff I'm sure I have missed while configuring

for real...







Summary

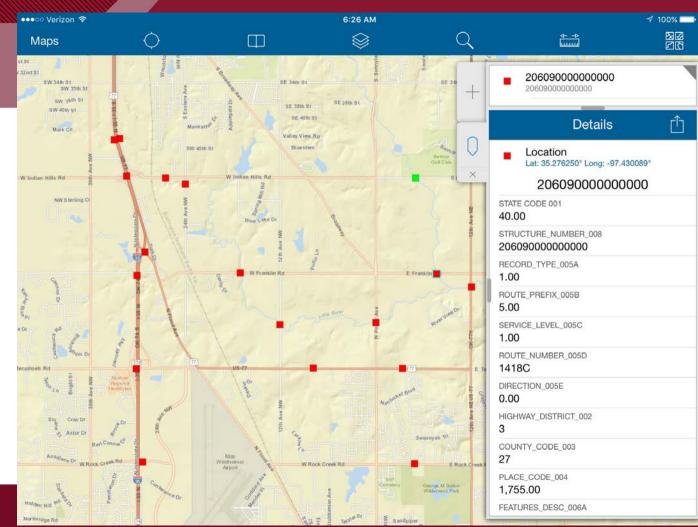
- Configuration is key
- ArcSDE: feature classes, tables, manage via ArcCatalog (Global iD's and Archive)
- ArcOnline: add feature service(s) and configure for Collector by 'configure pop-up' then display fields to view or edit on what you want your field folks to view & edit
- Collector: find assets in field and update to your database quickly, plus add new information from field and photos
- Next steps: web app builder and dashboards for the office
- Keep/Make it simple

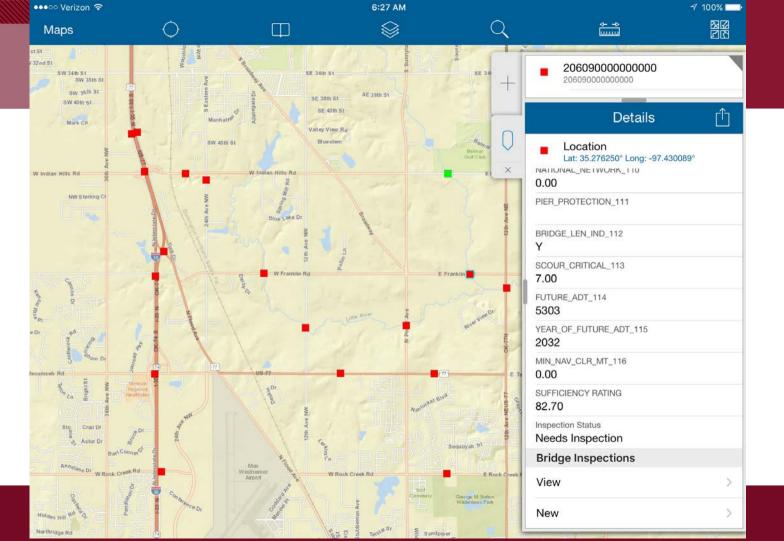


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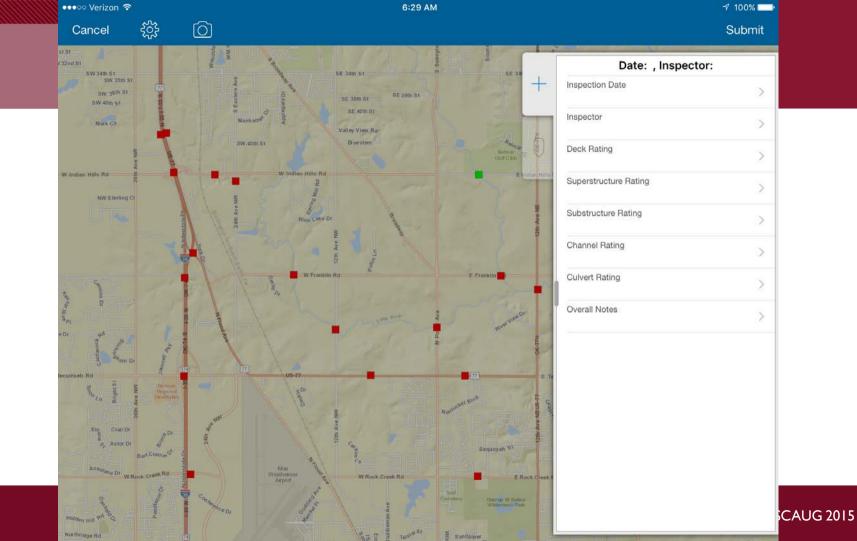


Collector





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This is Josh, he is happy using Collector



