Leveraging GIS Data For Asset Inspections In The Field

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Many Advantages of Geodatabase

• Organize data – feature datasets/classes, raster datasets, tables
• Multi user environment – versioning and transactions
• Geospatial component – X,Y coordinates, map/feature services, etc.
• **Attribute information = asset repository**
For example – sewer gravity mains

- Date Installed
- Length
- Diameter
- Slope
- Material
- Condition
- Condition Date – date inspected
Also have access to basemap information - reference data

- Parcels
- Streets
- Hydrology
- Parks
- Schools
- Etc.
Have access to both basemap and attributes while doing work out in the field

- Plan your work activities PRIOR to going out in the field
- Point of reference – what is near you, etc.
- Navigate
Advantages of Going Mobile

Performing inspections on assets
- sewer gravity mains
  • Go paperless
  • Have access to attribute and geospatial data
  • Enforce data integrity – pick lists, drop down menus
Advantages of Going Mobile

• Add/access attachments – Google Drive
Scenario

• I am the Sewer Maintenance Supervisor for the City of Cityville
• Major problems with sewer maintenance at our City.
• Internal heat from City Council, Mayor, etc.
• Organization sees the value of GIS
• Use GIS data and push inspection information/dates back into the GIS
Scenario

- Sewer inspection - sewer gravity mains
- Updating GIS with condition score and inspection date (condition date)
- Values are pushed to GIS when inspection is closed out
Scenario

• Display condition data from inspections in map