

Summary of Potential costs of HB 1106 to GIS entities 12/15/2017

- Berks County
 - 1992 Develop parcel layer from no map source, \$35 in 2017 dollars
 - New project proposed to convert data from coverage to geodatabase format, mostly a data conversion project
 - Project scope would not likely require Professional Surveyor oversight.
- Chester County
 - Parcel Fabric conversion project, not completed yet.
 - Project scope would not likely require Professional Surveyor oversight.
- Franklin County
 - Project to develop new parcel layer
 - 2011-2013
 - Total cost \$691,515
 - For remaining 69,850 parcels
 - \$9.90 per parcel
 - Applying Surveyor oversight estimate, would have added \$69,151.50 to project
 - Research, Design and Development of Cadastral GIS for Franklin County
 - On-site document capture of subdivision plats, deeds, surveys, strip maps, etc.
 - On-site document capture of up to 500 additional documents
 - Delivery of all document image files
 - Discrepancy report
 - Delivery of GIS in Esri geodatabase and agreed upon data model
 - Hyperlinking of subdivision plats, survey plats to GIS features
 - Map page generation using County's tax map grid and page numbering scheme
 - Ongoing cadastral maintenance for project duration
- Lancaster County
 - 3 staff maintain parcel layer
 - Applying Surveyor oversight estimate, it would cost an extra \$58,500.00 per year
- Tioga County
 - Inventory, documentation of state, county and municipal boundaries.
 - 2006 Pilot project for \$19,054.60 total per what we could find on the books.
 - Total cost being around \$240,000 for the boundary research project
- York County
 - A contractor maintains parcel GIS data for County.
 - Data maintenance costs are \$72,000 per year.
 - Applying Surveyor oversight estimate, it would cost an extra \$7,200.00 per year
 - They have started a process to consider changing that
 - Following up for vendor contract costs
- Private Sector
 - Dave Gilbert
 - Need to engage GeoBoard, GIS professionals and other stakeholders
 - Education is the key.
 - Eric Jespersen

- Professional Surveyor oversight would be about 10% of total staff or project time, billed at about \$100 to \$120 per hour
- Contacted Stacey Sekkes about a CCAP GIS Pros survey
 - Pass any survey questions along to her.
 - Since all projects are unique, more detailed information about scope and Professional Surveyor involvement is required.
- Conclusion
 - Project scopes vary from database development or conversion to actual parcel mapping or maintenance, so comparisons may not be accurate
 - Relative hourly costs of a Professional Surveyor are higher than a GIS Professional, but that can vary widely based on region or employment sector public/private
 - GIS development and maintenance costs have decreased, probably due to automation of processes and off-shore sourcing.