Knox LiDAR/Elevation Project Summary

Project Sponsor: Knoxville, Knox County, Knoxville Utility Board GIS (KGIS)
Project Area: Knox County, TN
Acquisition Dates: (March 2008 for west half of Knox County-March 2010 for east half of Knox County)

Technical Summary:
- Nominal Point Spacing – 1 meter RMSE(z)
- Vertical Accuracy – 18.5 cm RMSE(z) in Bare areas and 37 cm RMSE(z) in vegetated areas (ASPRS Standards for 2 foot contours)
- Horizontal Accuracy – 67 cm RMSE(r) (ASPRS Standards for 2 foot contours)
- Vertical Datum: North American Vertical Datum of 1988
- Horizontal Datum: NAD 1983 HARN State Plane Tennessee FIPS 4100 Feet
- Coordinate System: Tennessee State Plane, U.S. Survey Feet
- Tiling Scheme: 2500 ft. x 2500 ft. (Local grid)