

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)

