



Lorton Road Improvements, 2.8-mile Road Re-alignment and Widening, Fairfax County, Virginia.

ATCS provided engineering base sheets for the design of 2.8 miles of roadway realignment and widening in Fairfax county Virginia. The scope of services included the following items:

- Set GPS and traditional control for use with aerial mapping and provided benchmarks every 300' along the alignment for contractor's use during the construction phase of the project. All information was provided on Virginia State Plane coordinates and vertical datum NGVD 1929 per Fairfax County requirements.
- Coordinated and obtained aerial mapping and supplemented with field shot topography, including detail location of all hard surfaces for tie in purposes, tree location and identification, and the integration of all wet and dry as-built data into the drawings.
- Performed deed research and created deed plots on all properties along the 2.8 miles of improvements
- Performed the necessary field work to accurately delineate the property lines in order to provide dedication and easement plats for acquisition after the design process is complete.
- Performed field run cross-sections and detailed stream locations for hydrology and hydraulic analysis of Giles Run.
- Obtained bridge detail drawings.
- Performed wetland locations for entire product and incorporated the results into the base drawings.