

GIS (Geospatial Information Systems)
Population 50,000 to 249,999
ROANOKE COUNTY, VA
Glofiber Illumination Areas Web Application



Roanoke County, Virginia's GloFiber Illumination (Construction) Areas Application is a solution which displays the growth of fiber based broadband internet within the County and the Town of Vinton. This application allows the citizens to track the propagation of this new broadband technology and enables them to see when any work is underway in their neighborhood. This app, and process, were created using the Esri ArcGIS for Enterprise platform for the ease of use and services for the customized web template, local proprietary information, Python for the robust scripting environment to process the daily data and ArcGIS Pro for the geoprocessing tasks to transform the data into the final for consumption by the feature service. The application website, found at <https://gisweb.roanokecountyva.gov/glofiber/>, is a very simple and intuitive method to show where work has been accomplished and where it is currently underway. The website is refreshed daily, provided work is underway, and often has weekend projections.