

# Bechtel GIS Expertise

Bechtel has experienced GIS staff to perform GIS analysis and to integrate data from a variety of formats and prepare them for use in the PLS-CADD software. These data include:

- Digital Elevation Models (DEM) from the *U.S. Geological Survey (USGS)*, LIDAR and other topography data sources
- **Soils data from the *U.S. Department of Agriculture (USDA)***
- Parcel, ecological reserves, non-permit areas and other land information data from GIS data clearinghouses in VA, WV, PA, and MD
- Aerial photo and digital orthophotography (.TIF, .SID, and .JPG formats)
- Vector data (point, line and polygon) formats, in ESRI GIS shapefile (.SHP) or geodatabase
- CADD files (.DGN, .DXF, .DWG)
- ASCII X,Y, Z data files for the generation of Triangulated Irrregular Networks (TIN) 3D surfaces

