The map area is proximal to the Wabash Valley Seismic Zone, the New Madrid Seismic Zone, and the Shawnee Anticline. Geophysical data show that the area is underlain by a variety of geologic units, including Quaternary alluvium, glacial outwash, and pre-Holocene deposits. These deposits are characterized by a variety of sedimentary structures, including cross-bedding, stratification, and ripple marks. The map also includes information on the geotechnical behavior of the various deposits, including their shear strength, compressibility, and permeability. The map is intended to assist in the planning and development of the area, including the construction of buildings, roads, and other infrastructure. The map was generated using new field mapping and compilation of unpublished and unpublished geologic data.