

Level I: Integration of GIS for Infrastructure Management and Risk Analysis (2-day)

Goal of the workshop: To offer hand-on training for professionals to learn how GIS can be used for assessing risk, setting priorities for maintenance and managing wide range of infrastructure (water supply, utility line, roads and bridges).

Outcome: 1) Upon completion Asset Managers and Professionals will be able to create a report, generate maps, identify utilities, roads and bridges that need maintenance/upgrade, identify sites and set criteria (using spatial components) for asset allocation decisions, and conduct analysis for aging infrastructure and setting priorities using GIS technology.

Qualification: NO prior GIS skills required.

Who should attend: Asset Managers of utilities including gas, water, waste water, highway, rail, telecom). Professional from engineering firms focused on transportation and infrastructure projects, division of engineering and utility management and public works of municipalities, cities, counties and state, as well as personnel involved in emergency response efforts.

Level II: Integration of GIS for Infrastructure Management and Risk Analysis (2-day)

Goal of the workshop: To offer hand-on training for professionals to learn how GIS can be used for assessing risk, setting priorities for maintenance and managing wide range of infrastructure (water supply, utility line, roads and bridges) using complex spatial modeling.

Qualification: Prior working knowledge of basic GIS or Level I Infrastructure Workshop

Outcome: 1) Upon completion a professional or an asset manager will be able to conduct complex spatial analysis and modeling using GIS technology to make critical decisions and explore alternate scenarios (using if-then else clauses with GIS data layers) for maintenance, upgrade or expansion of utilities, roads and bridges.

Who should attend: Asset Managers of utilities including gas, water, waste water, highway, rail, telecom). Professional from engineering firms focused on transportation and infrastructure projects, division of engineering and utility management and public works of municipalities, cities, counties and state, as well as personnel involved in emergency response efforts.