

Pre-Construction Planning

Before you start your next project, take control

Utility line omissions, horizontal discrepancies, and mislocated utilities are constant headaches on infrastructure projects. Virtual Underground's breakthrough 3-D mapping service gives you the location and depth of underground utilities and structures, making the design and construction of your project easier.

Plan and build with confidence

Use our mapping services early in the construction process to get maximum value for your dollar. By gaining a better understanding of the state of the utilities on a site, engineering and construction can proceed faster and cost less.

Advantages

Depth

Non-Destructive

Cost Effective

Accurate

Permanent Record

Sees All Common Materials:
Metal, Plastic, Concrete



Subsurface Utility Engineering (SUE)

is quickly becoming the recommended method for construction project planning. SUE is the systematic collection and organization of information about a site's underground infrastructure prior to the start of a project. Virtual Underground's radar mapping qualifies as SUE Quality Level B. Only the destructive method of digging up and exposing utilities is more informative, but is not practical for larger areas. Radar mapping can be used to choose locations for soft dig or test pits, thereby maximizing the information obtained from each excavation and minimizing the overall cost.



Benefits of Using SUE

(From U.S. DOT report FHW-IF-00-014)

- Reduction in delays due to utility cuts
- Reduction in project delays due to utility relocations
- Reduction in the cost of project design
- Reduction in claims and change orders
- Lower project bids
- Reduction in cost to repair damaged facilities
- Minimization of utility customers' loss of service
- Reduction in project contingency fees
- Reduction in costs caused by conflict redesign
- Improvement in contractor productivity and quality
- Reduction in unforeseen utility conflicts and relocations
- Minimization of damage to existing pavements
- Minimization of traffic disruption
- Minimization of the chance of environmental damage
- Savings in risk management and insurance

According to a study conducted for the Federal Highway Administration,

"a savings of \$4.62 for every \$1.00 spent on SUE was quantified".

These savings were realized for projects utilizing Quality Level A or B techniques. Virtual Underground's radar mapping qualifies as level B and can be used alone or in conjunction with other techniques to realize these savings.



Services Offered

- Pre-Construction Planning
- Site Investigation
- Environmental Site Characterization
- Infrastructure Mapping
- Facility Mapping
- Forensic / Archeological Assessment
- Cemetery Mapping

Virtual Underground, Inc.

4355J Cobb Parkway, Suite 402
Atlanta, GA 30339

(404) 315-4828

sales@virtualug.com

www.virtualug.com

