SUBSURFACE UTILITY ENGINEERING

T. Baker Smith's Subsurface Utility Engineering (SUE) team of expert engineers, surveyors, and technicians employs cutting-edge technology and decades of experience to help clients mitigate uncertainties and risks associated with existing underground utilities. We deliver reliable buried utility data to keep your projects on track and within budget.

Integrated Solutions

From planning through design and construction, our dedicated team collaborates with clients to provide comprehensive existing utility data and provide Utility Engineering solutions including Utility Conflict Avoidance, Resolution, Coordination, Design, and Construction Management.

+ Market Sectors/Industries

- Transportation - Highway, Rail, Aviation
- Public Works
- Ports
- Energy
- Oil & Gas
- Private Development

+ Project Types

- Highway Design & Construction
- Utility Improvements
- Drainage Improvements
- Railroad Infrastructure
- Commercial Development
- Residential Development

+ Benefits of SUE

- Safer Projects
- Expose potentially hazardous utilities
- Minimize Utility-Related Project Delays
- Reduce Costly Re-design Costs
- Minimize Traffic and Service Interruption
- Help curb Negative Media due to Damage, Interruption, and Delays

For every $1.00 spent on SUE there is a related $4.62 estimated cost savings.

Purdue University Study - Cost Savings on Highway Projects Utilizing Subsurface Utility Engineering, December 1999
https://www.fhwa.dot.gov/programadmin/pus.cfm#conclusions

T. BAKER SMITH
A CENTURY OF SOLUTIONS

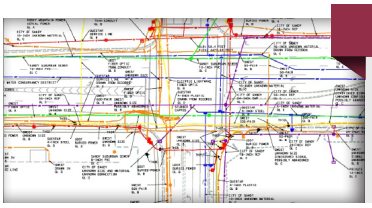
SUBSURFACE UTILITY ENGINEERING

SUE QUALITY LEVELS

TBS works closely with clients to arrive at the appropriate quality level(s) for each project and performs SUE services in conformance with ASCE 38. This is achieved by collaboratively determining specific project and client needs, then employing an iterative approach in pursuit of each Quality Level.

ASCE 38

Based on typical tasks leading to utility depiction, the American Society of Civil Engineers (ASCE) 38 Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data has defined four (4) Quality Levels (QL) for SUE which are summarized as follows.



Quality Level D: Second-Hand Information

Information derived from existing records, including facility maps, as-builts, state 811, and oral recollection.

Quality Level C: Surface Visible Survey

Data obtained by surveying and plotting above-ground utility features and by using professional judgment in correlating this data to QL-D information.

Quality Level B: Derived from Geophysics

Information is obtained by utilizing a suite of geophysical equipment to designate or determine the existence and approximate horizontal position of buried utilities.

Quality Level A: Derived through Excavation

This Quality Level provides precise horizontal and vertical location by minimally intrusive excavation at critical points. This Quality Level provides the highest level of accuracy.

LOCATIONS

Lafayette, Louisiana	337.735.2800
Baton Rouge, Louisiana	225.744.2100
Thibodaux, Louisiana	985.446.7970
Covington, Louisiana	985.302.0730
Metairie, Louisiana	504.323.3460
Houston, Texas	281.240.0113
Corpus Christi, Texas	361.334.5719
Galveston, Texas	409.220.1669

CORPORATE HEADQUARTERS*

412 South Van Avenue
P. O. Box 2266 (70361)
Houma, Louisiana 70363
Tel: 985.868.1050

Scan for more information