



# *E. F. Thompson Geotechnologies, Inc.*

Geophysical Applications - Land Surveying  
Civil, Geologic, Utility Mapping



***The South's Specialists in Support Services***

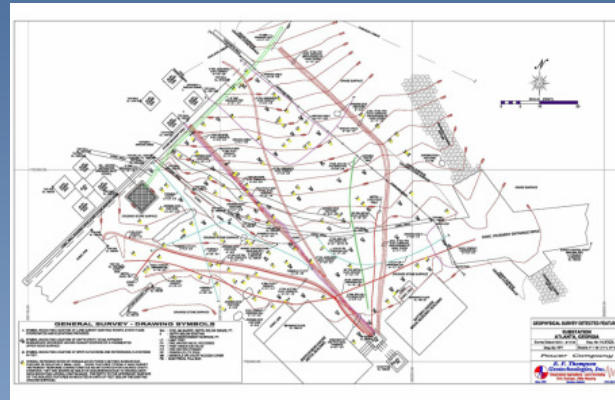
**E.F. THOMPSON GEOTECHNOLOGIES, INC.  
P.O. BOX 2300 SEMMES, ALABAMA 36575  
WWW.EFTGEOTECH.COM  
(251) 776-2734**

# Subsurface Utility Engineering (SUE) Geophysical Applications

Are you planning a feasibility study to determine if a project is practical?  
Are you in the design phase of a project?

**Consider our non-invasive subsurface search, detection, and mapping services!**

Our Geophysical Surveys are performed in accordance with the ASCE 38-02 Quality Levels as outlined in the "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data"



We provide detailed and descriptive scaled plats.

*Using GPR and other geophysical technologies, we locate, document, and map subsurface*

*Pipes*

*Conduits*

*Cables*

*Duct Banks*



[www.eftgeotech.com](http://www.eftgeotech.com)

# Geophysical Applications - Concrete Examinations

Before concrete coring or saw cutting, consider our non-invasive subsurface search, detection, and mapping services!



*Our geophysical concrete examinations have been performed in diverse environments, from the lower levels of sanitary sewer lift stations, to the top floors of skyscrapers.*



We utilize the most advanced subsurface interface radar systems to locate:

- Steel reinforcement (mesh, rebar)
- Conduits
- Post-tension cables
- Pre-tension cables



Locations and depths of embedded features are marked and indicated upon the concrete surface



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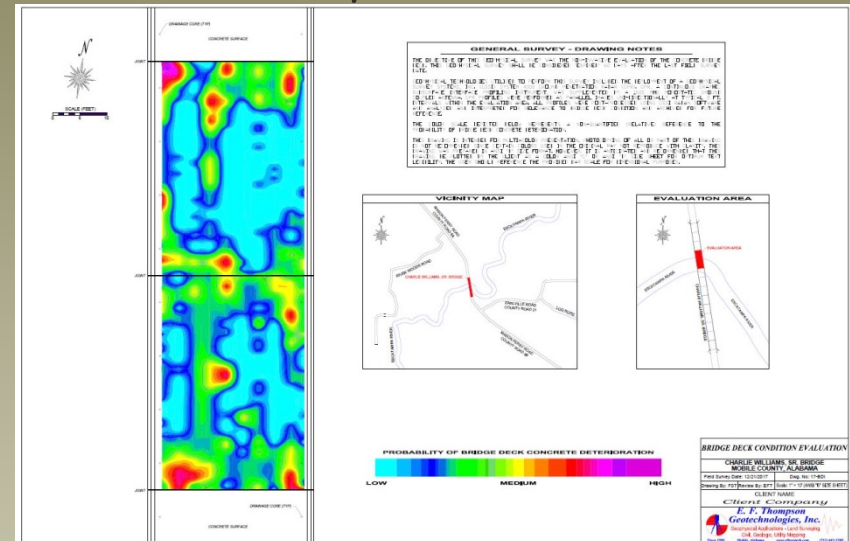
# Pavement and Bridge Examinations Geophysical Applications

Comprehensively evaluate infrastructure such as roads, parking areas and bridges with our geophysical examination services!

*The results of our geophysical pavement examinations provide detailed information and are depicted on scaled color plats for client interaction.*



Our geophysical examinations are performed non-invasively with ground penetration radar (GPR) and provide the ability to effectively strategize pavement rehabilitation or repair projects.



Bridge Deck Condition Assessment

Utilize our services to locate and map:

- Dowel bars
- Corroded rebar
- Asphalt thickness
- Pavement distresses



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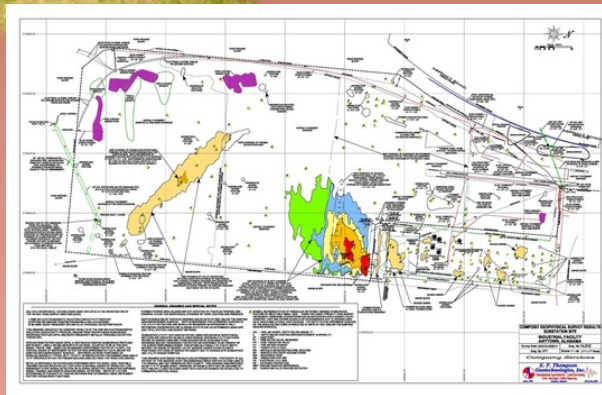
# Geophysical Applications – Geologic/Environmental

Our geologic geophysical surveys have been effective by:

- *Determining soil stratigraphy*
- *Delineating sinkhole formations in karst terrains*
  - *Detecting subsurface voids/cavities*



Deliverable products include  
contoured and labeled  
subsurface imaging



Performing an environmental site assessment?

- Determine safe boring locations
- Locate Underground Storage Tanks (UST)
- Delineate landfills
- Delineate isolated contamination plumes



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# Archeological Cultural Resource Surveys Geophysical Applications

Locate and delineate unmarked burial graves and archeologically significant cultural resources.



Submittals include:

- Descriptive reports
- Scaled color plats for client interaction



*Using unsurpassed metal detection and subsurface imaging technologies, E·F· Thompson Geotechnologies, Inc· is highly experienced in the search, detection, and mapping of Unexploded Ordnance (UXO)*



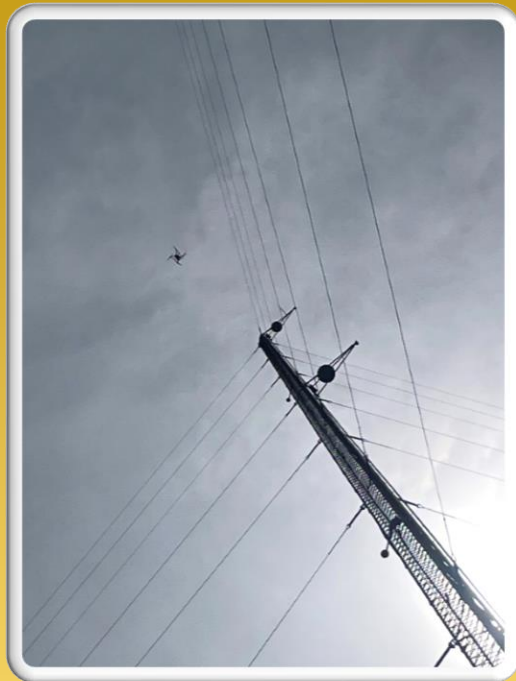
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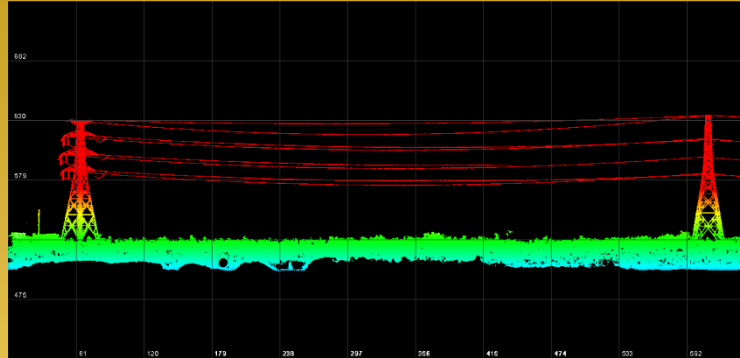
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# Unmanned Aerial Vehicle (UAV) Applications

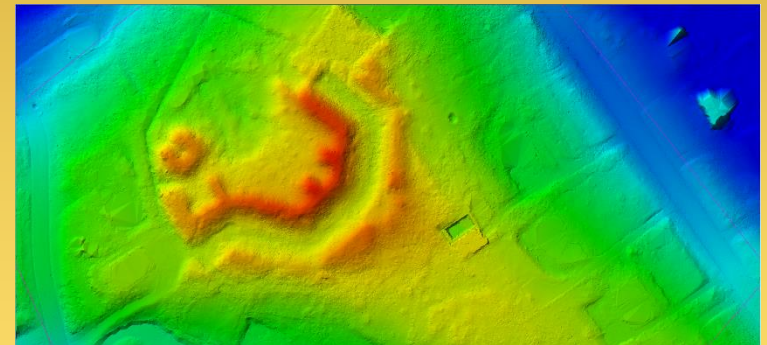
**Expansive mapping and inspections with our UAV services....**



*Detailed civil feature mapping utilizing the latest remote sensing LiDAR technology.*



**High resolution inspection of inaccessible or challenging areas to ensure safety.**



*Our UAV services have been effectively utilized for construction monitoring and routine progress reporting.*



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**Contact us for all of your Geophysical Surveying needs.**

**Fletcher S. Thompson, President**

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