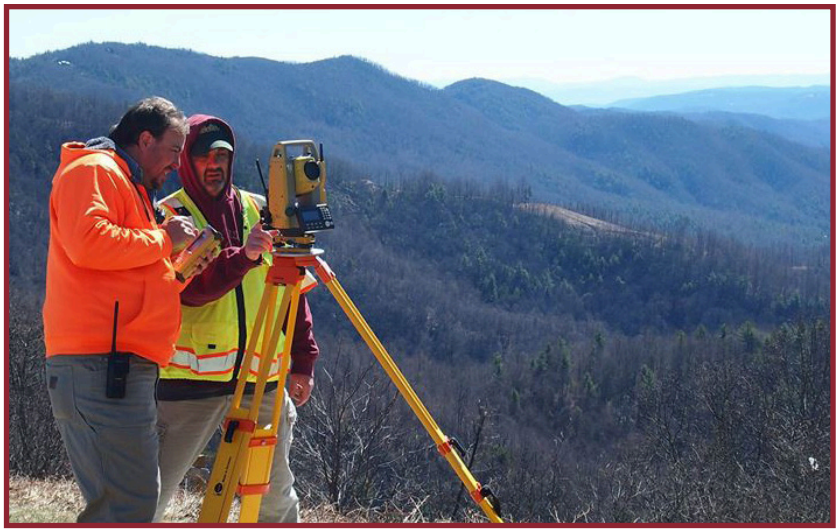
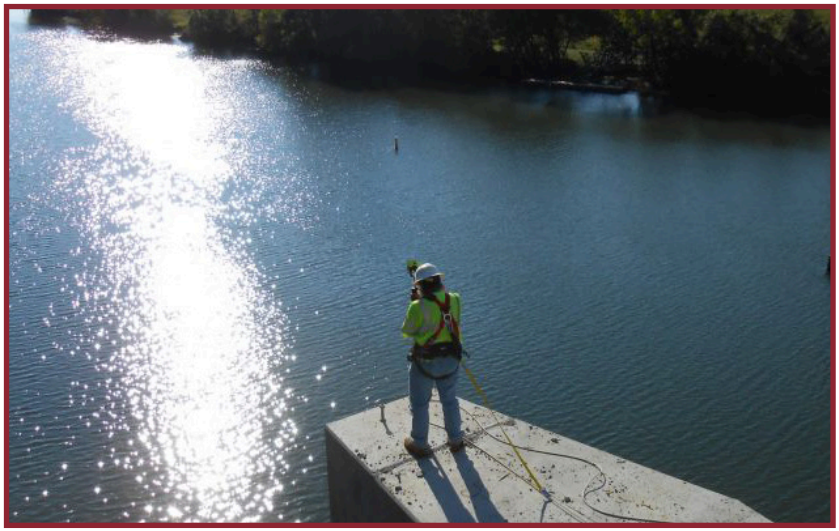




Mattern & Craig
ENGINEERS • SURVEYORS

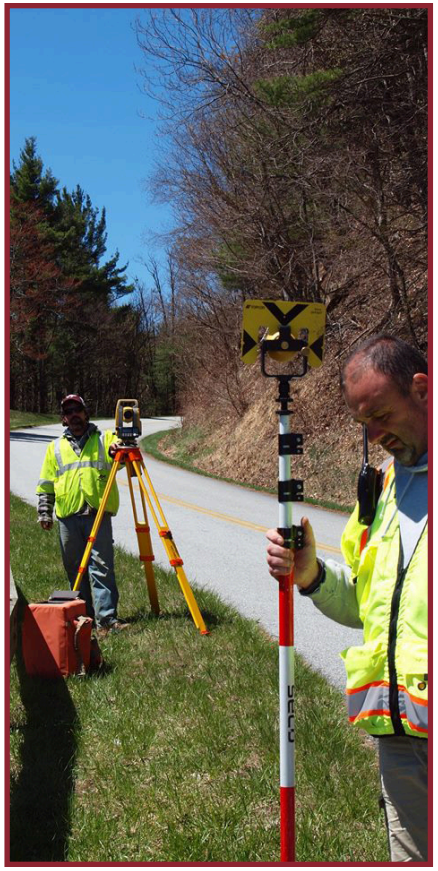
# SURVEY

## SERVICES

# IN-HOUSE SURVEY CAPABILITIES (BENEFIT TO OUR CLIENTS)

Since Mattern & Craig's inception in 1978, our firm has maintained in-house survey capabilities. Here's why:

- Maintaining in-house survey capabilities has allowed our firm to closely monitor the survey information we obtain within an organized environment.
- An organized environment allows greater control of delivery schedules and flexibility in obtaining information acquired in the field.
- Having this control allows our firm to improve the quality of our contract documents, thereby reducing costs for our clients.



## SURVEY OVERVIEW

Mattern & Craig provides in-house surveying services to various governmental, private, and industrial clients throughout Virginia, North Carolina, and Tennessee. While many of our surveys use VDOT, NCDOT, TDOT, and local government specifications; we have developed an in-house template and protocols for commercial and retail development. These templates make our "field-to-finish" procedures continuously up-to-date with various platforms such as Civil 3D and MicroStation V8i.

## COMPREHENSIVE SURVEY SERVICES

- Civil Engineering/Transportation/ Development Surveys
- Right of Way Research and Plats, Property Records Research
- ALTA/ACSM Surveys
- Topographic Surveys & Digital Terrain Modeling
- Boundary Surveys & Easement Plats
- Hydraulic Surveys
- Utility & Drainage Easements
- GIS Digital Collection
- GPS Control Surveys

## IN-HOUSE SURVEY RESOURCES

Each Mattern & Craig office maintains state-of-the-art "Field-to-Finish" capabilities for respective ACAD and MicroStation platforms; including the Civil3D and Carlson suites for ACAD; and GEOPAK for MicroStation.

Mattern & Craig owns and operates the latest technology and instrumentation available. Our equipment includes top of the line equipment from well-known manufacturers such as: Leica, TopCon, Carlson, Spectrum, and Trimble. Our crews are outfitted with the latest technology including: data collectors, digital levels, electronic total station instrumentation, global positioning system (GPS) instrumentation, and robotic total station instrumentation.

While the science and technologies involved for Land Surveys is dynamic and continuously evolving, our basic tenant remains unchanged: to collect accurate and complete field information and documentation that serves as the basis for all other aspects of our work and a foundation for the quality of services we deliver to our clients. Mattern & Craig will seek to maintain the ability to provide surveys utilizing the latest technologies and formats available throughout the industry - through in-house capabilities or association with others - as long as we satisfy this basic tenant in a cost effective manner.

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# SURVEY

SERVICES

Mattern & Craig
ENGINEERS • SURVEYORS

# Engineering solutions for change and growth.

## SURVEY TEAMING CAPABILITIES (LARGE PLATFORMS)

Mattern & Craig frequently associates with firms to provide our Clientele with large-area planimetric and topographic surveys utilizing both aerial and drone-based platforms. These allow for provision of control monumentation and targets for these surveys; reduction of data obtained from aerial platforms for production of survey base mapping; and augmentation of aerial survey planimetrics and topography through combination of aerial work with conventional land surveys by Mattern & Craig and subsequent reconstruction of digital terrain models, triangulated networks, and topography.

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