

Municipal Engineering

OUR GOAL

Deliver civil engineering services at a local level to support sustainable development, enhancing the quality of life in communities.

OUR STAFF

Our team consists of 85 staff members with 15 years of average experience per team member, and 27 licensed professionals. To maintain a high level of expertise and professionalism, Chastain houses a 24/7 online university for staff to access accredited courses to continue their education and further develop their skill set.

QUALITY ASSURANCE

Chastain implements a QA/QC Plan tailored to each project to pledge our commitment to delivering a high-quality project each and every time. This Plan provides a means in which to ensure our efforts are efficient, complete, constructible, and sustainable throughout the duration of the project.



Key components in a community's infrastructure include roadways, bridges, sanitary and storm sewers, water mains, streetscapes, sidewalks, and bicycle paths. These components play a major role in the quality of life experienced by its residents. Existing residents expect infrastructure to be well-maintained, and future residents evaluate these capital assets in their search for a new home.

For over 65- years, Chastain has been improving community infrastructure and providing cost-efficient engineering solutions to municipal clients throughout Illinois. Through these experiences, we have developed a proven approach and understanding of municipal engineering.

Our municipal engineers understand the issues and challenges public works officials face today. We respect your dollar as if it was our own, and as a team player, our goal is to support your efforts in sustainable development, enhancing the quality of life in your community. Investigating potential funding sources is an avenue we actively pursue to supplement project budgets or to assist in moving a vision to reality.

To best serve our clients, we listen first, then evaluate the project needs and develop options



analyzed against proven solutions. We provide easy communication and quick response times. Working closely with municipal staff, we provide conformance with your local ordinances and ensure transparency of services to your residents. Our Quality Assurance Plan ensures your project is done right the first time.

"What really stood apart from all other efforts was their (Chastain) responsiveness to our residents and the efforts taken to address their concerns and questions."

- Village of Schaumburg

"The Village of Lake in the Hills contracted with Chastain to manage its transportation and roadway projects in 2021. We have found them highly responsive to our needs and intuitive on the various processes involved with associated tasks. The knowledgeable staff at Chastain never fail to offer innovative solutions to anything we throw their way."

- Village of Lake in the Hills

"Our Village was in need of assistance in reviewing permit applications for our Engineering Division. Chastain came through with an excellent staff person to provide us the professional experience we needed. This service is exactly what we needed to fill in the gap."

- Village of Oak Park

OUR HISTORY

Homer and his brother Edward Chastain founded the firm in the spring of 1954 in Decatur, Illinois. After being awarded a 909,000 square foot facility expansion project for Caterpillar, the brothers mortgaged everything they owned to meet the increased payroll and staffing demands of the project.

Chastain continued to grow and established itself at the forefront of consulting firms that began to emerge with the creation of the Interstate Highway System in the 1950's and 1960's.

Throughout the decades, Chastain has continued to expand and today has established branch offices in Schaumburg, Rockford, Benton, Paris, and Champaign, Illinois, as well as branch offices in Beloit, Wisconsin, Lafayette, Indiana and Paducah, Kentucky. Most recently, we have strengthened our land development and municipal engineering services while expanding our services in water and wastewater treatment plants and pump stations.

Today, we are guided by the principles of building and maintaining long-lasting client relationships. We are dedicated to providing responsive, quality engineering using a team approach, half a century of hands-on experience alongside current technology.

Municipal Engineering

- Arterials, Local Roads, Streets and Alleys, and Multi-Use Paths
- Storm Water Management
- Pavement Management & Design Services
- Asset Management
- Floodplain / Drainage Analysis & Design
- Detention/Retention
- GIS Databases & Mapping Services
- Traffic Signals
- Pedestrian Traffic Flow
- Parking Lots, Sidewalks, Ramps and ADA Accessibility
- Regulatory & Permit Compliance
- Grant Writing
- Master Planning
- Water Resources: Drinking Water, Distribution Systems & Treatment Plants
- Wastewater: Treatment Plants, Collection Systems & Pump Stations

Transportation Engineering

- Expressways, Interstates, Tollways, & Highways
- Safety and Feasibility Studies
- Location Design Studies
- Traffic Studies
- Intersection Design Studies
- Location Drainage Studies

Structural Engineering

- Bridges and Culverts
- Structural Analysis, Evaluation & Design
- Structural Rehabilitation
- Footings & Foundations Design
- Falsework and Shoring
- Retaining Walls / Landscape Walls

Railroad Engineering

- Rail Sidings / Industrial Rail Yards
- Crossing Safety

Land Acquisition

- IDOT-Certified Land Negotiator

Surveys

- Boundary
- 3D Laser Scanning
- Hydrographic Surveys
- ALTA/ACSM Land Title Surveys
- Right-of-Way
- Record Drawings
- Topographic Mapping
- Horizontal and Vertical Controls
- Legal Descriptions
- Deed Interpretation and Boundary Dispute Resolution
- Forensic Surveys
- Commercial Subdivisions
- Municipal Annexations
- Aerial Survey Control / Ground Control for Aerial Mapping

Construction Engineering

- Construction Management / Owner Representation
- Observation / Inspection
- Documentation of Materials and Quantities
- Record Keeping / Specification Compliance
- Construction Layout & Staking
- Construction Issue Resolution
- Review of Contractor Pay Requests
- Constructability Reviews

Land Development

- Site Analysis & Master Planning
- Zoning Petitions and Submittals
- Public Outreach
- Residential Subdivisions
- Commercial Subdivisions
- Grant Writing
- Site Level Drainage Design
- Preliminary Plats
- Final Plats