



# CIVIL ENGINEERING PLANNING & DESIGN CONSTRUCTION MANAGEMENT

Transportation / Geotechnical / Structural / Civil+Site Development /  
Survey Utilities / Water / Wastewater / Stormwater Management

**Gonzalez Companies, LLC (Gonzalez)** is a professional civil engineering and construction management firm specializing in infrastructure projects. One of the greatest benefits Gonzalez offers is our ability to deliver high-quality projects that exceed our client's expectations. As a result, our clients have the confidence to trust our team with their most unique and challenging projects, resulting in 98% client satisfaction.

## Firm Leadership

### **Carlos V. Huddleston, PE** *Managing Principal, CEO*

Carlos joined Gonzalez in 2007. He currently manages and oversees construction services, including Construction Management, Construction Administration, and Construction and Material Inspections. Carlos has more than 30 years of professional experience in heavy and highway, commercial and residential construction.

### **R. Patrick Judge, PE** *Managing Principal, COO*

Pat joined Gonzalez in 2005. He currently manages and oversees all design services as well as the overall business development for the company. He has more than 25 years of experience providing construction management, design, and planning services, and in the development and implementation of policies and procedures for many city construction projects.

## Gonzalez Companies At-A-Glance

ESTABLISHED 1999

8 OFFICE LOCATIONS

PROJECTS IN 17 STATES

150  
EMPLOYEES (AND GROWING)

100+ CLIENTS

98%  
CLIENT SATISFACTION  
according to a recent survey conducted  
by Mapstone Research





## Transportation

Gonzalez works with state, county, and local governments to take a transportation project from concept and move the idea through funding, regulatory coordination, planning, design, and construction. Key personnel includes former public works directors and senior DOT engineers who have the experience to develop **transportation projects that improve everyday life for our communities**. Gonzalez provides viable solutions to challenging transportation projects through an analytical, innovative, and buildable approach. In addition, working in consort with Design-Build teams and general contractors, our seasoned transportation team provides constructability review, construction inspection, construction QA/QC, and construction management.

### SOLUTIONS:

*Gonzalez provides engineering and construction management solutions that provide practical, buildable and maintainable results focused on increased safety, mobility, and economic development....while respecting the environment.*



## Municipal Engineering

Gonzalez is aware of the problems brought on by aging infrastructure and the challenges faced by continued community growth. Our experienced team is made up of civil engineers, surveyors, geotechnical engineers, and construction inspectors who provide project management to public works projects throughout Missouri and Illinois. Our design and construction management expertise includes streets and sidewalks, trails and recreation facilities, bridges, water and wastewater facilities, stormwater management, and airports. We also assist municipalities with the coordination of funding, permitting, and public involvement.

### COLLABORATION:

*Our firm's many disciplines provide clients with a complete turnkey package of services. Clients receive comprehensive attention and partnership in all aspects of their project, from start to finish. We understand our clients values and goals, and make a commitment to emulate them in how we do business.*



## Trails & Sidewalks

Our design and construction services focus on surface types, sidewalk and trail placement, width, buffers, landscaping maintenance, street lighting, ADA design, curb ramps, sidewalks, warning strips, driveway design, and corridor access management. We have worked with numerous municipalities utilizing LPA and CBG funds.





#### TRANSPORTATION CAPABILITIES:

- Highway Studies and Designs
- Roundabout Designs
- Complete Street Designs
- Traffic & Parking Studies
- Rail & Transit Facilities
- Access Justification Reports
- Drainage Studies & Designs
- Environmental Reporting
- Value Engineering Studies
- Construction Management & Engineering
- Program Management
- AASHTOWare Documentation
- Coating Inspections
- Traffic Control
- ADA Compliance
- Safe Routes to Schools Studies
- Bike Trail/Shared Use Path Studies & Designs

#### MUNICIPAL CAPABILITIES:

- Streets and Sidewalks
- ADA Compliance
- Safe Routes to Schools
- Street Lighting
- Traffic Calming Features
- Bridges
- Cycling Infrastructures and Paths
- Stormwater Systems
- Water and Wastewater Facilities
- Airports
- Public Involvement

## MoDOT Performance

**20** PROJECTS SINCE 2016

**15** PROJECTS USING AASHTOWare

**6** BRIDGES PROJECTS

**7** CURRENT PROJECTS

**9** RESURFACING PROJECTS

## Notable LPA Projects

- Leebur Drive Sidewalk Improvement, *City of Sunset Hills*
- UMSL Parking Lot E & F Improvements/Grobman Rd, *UMSL Facilities Management*
- Mark and Cari Drive Improvements, *City of Fairview Heights*
- Bolm-Schuhkraft Connector Trail, *City of Columbia, IL*
- GM&O Connector Trail, *City of Columbia, IL*
- I-270 North Design Build Project - ADA Design, *Missouri Department of Transportation*



## Structural Engineering

Gonzalez Companies' staff routinely works with personnel from state and county highway departments, municipalities; educational institutions; other engineering firms; architects; general contractors; commercial and industrial companies; and private individuals on projects requiring structural engineering expertise. **Our team of licensed structural engineers prepares cost-effective solutions for various infrastructure and facility needs, from preliminary studies and reports to final estimates, plans, specifications, and bid documents.** We have the technical knowledge and experience to produce a quality solution to satisfy our client's project needs.

## Site Development

Our experienced designers specialize in a wide array of site development projects including subdivisions, building site projects, parking lots, roadways, and pedestrian and bike paths. Our team works to maximize the project budget by focusing on site functionality for optimization of site amenities such as site access, parking, ADA compliance, storm water management, site utilities, and erosion control. Gonzalez also has construction professionals that can provide construction administration services, construction inspection, and materials testing of soils, aggregate, asphalt, and concrete. Gonzalez experience includes working with architects, private developers, contractors, municipalities, the Illinois Capital Development Board (CDB), various Departments of Transportation (DOT) and county highway departments.

## Survey

**Gonzalez land surveying professionals and technicians have an average of 20 years of experience providing services for government and private clients.** Gonzalez has the capabilities to perform topographic surveys, boundary surveys, as-builts, right-of-way, construction staking, ALTA/NSPS land title surveys, elevation certificates, preparation of easement documents, and hydrologic surveys.

## CRUCIAL FIRST STEPS

*Gonzalez provides technical and regulatory expertise to guide the design and planning process, balancing budget and schedule constraints while maintaining the project goals and long-term integrity of an infrastructure plan.*



### STRUCTURAL CAPABILITIES:

- Bridges and Box Culvert: Design, Replacement, Repair, Rehabilitation and Damage Assessments
- Bridge Load Rating and Documentation (AASHTOWare)
- Bridge Inspection and Documentation
- Hydraulic Analysis for Bridges and Box Culverts (HEC-RAS)
- Temporary Bridge Jacking and Bearing Removal and Replacement Design and Detailing
- Bridge Foundation, Temporary Soil Retention, Protective Shield, Retaining Wall, and Shoring Design and Detailing
- Pre-Engineered Metal Building Foundation Design
- Machine and Equipment Foundation Design
- Special Precast Concrete Utility Structure Design
- Special Structure Foundation Design
- Manufacturing and Industrial Building Mezzanine Review, Load Rating Determination, and Documentation
- Building Structural Inspections and Reports
- Value Engineering Studies

### SITE DEVELOPMENT CAPABILITIES:

- Site Evaluation and Design
- Stormwater Pollution Prevention Plans (SWPPP)
- Drainage Design & Studies
- Inventories of Existing System Components
- Hydrologic Analysis
- Floodplain/Floodway Mapping
- Detention/Retention Storage Design
- Permitting
- Hydraulic Reports

### SURVEY CAPABILITIES:

- Topographic, Hydrologic, ALTA/ACSM, Wetland, Stream and Restoration Surveys
- Infrastructure Layout
- Right-of-Way Determination
- Legal Descriptions
- Easement and Right-of-Way Plats
- Existing Conditions Plans



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