



Firm Overview

Celebrating 50 years, GBA is a full-service professional design firm. GBA provides innovative, sustainable design solutions for clients in both the public and private sectors. Since the firm's establishment in 1969, GBA has grown in both size and capability. GBA has more than 275 employees across ten office locations.

GBA's growth is a result of the firm's ability to attract a highly qualified staff of professionals representing a broad spectrum of design and planning disciplines. This enables GBA to organize "in-house" project teams with the specialized experience uniquely suited for each project. With an experienced multi-disciplined staff, GBA provides clients with a wide range of project types and design capabilities including:

- Architecture
- Civil engineering/site design
- Commercial/residential development
- Cost estimating
- Construction services
- Environmental/permitting
- Existing building evaluation
- Facility utilization
- Fire and life safety
- GIS

- Greenfield design
- Land surveying
- M/E/P engineering
- Parks and recreations facilities
- Roadways and bridge design
- Stormwater/wastewater
- Structural engineering
- Traffic analysis and engineering
- Advanced Robotics & Remote Sensing (ARRS) Services
- Utility studies and systems

GBA is not just another engineering firm.

We imagine. We design. We build.
But most importantly, we improve.

We collaborate with clients large and small who have the same kinds of dreams and needs.

We're GBA.

OFFICE LOCATIONS

Lenexa, Kansas
Kansas City, Missouri
Chesterfield, Missouri
O'Fallon, Missouri
Omaha, Nebraska
Moline, Illinois
McPherson, Kansas
West Des Moines, Iowa
Broomfield, Colorado
Austin, Texas



SUBSIDIARIES

GBA
BUILDERS, LLC
Construction Services

gba
Systems Integrators, LLC

IT Network Integration

 **infraSTRUCTURE**
Solutions, LLC

General Contracting
Construction and
Design-Build Services

 **ViroCon**

Commissioning



Our Markets and Services

Transportation

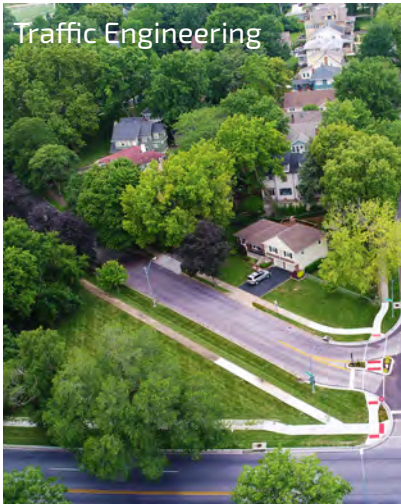
Highways & Streets



Utility Coordination



Traffic Engineering



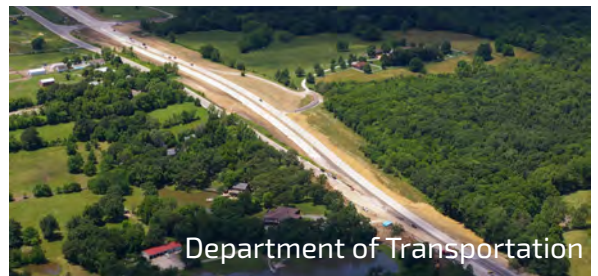
Construction Engineering & Inspection



Bridge Design & Inspection



Department of Transportation



At GBA, we know the future of transportation. We understand that our clients are no longer just looking for wider roads to accommodate more traffic. They are looking for solutions that take technology and data to the next level to provide safety, efficiency and cost savings. Resulting in safer roads and bridges, a more efficient trip to the grocery store or hauling goods from one state to another.

Our team of experts handle jobs on every level including municipal, county, Department of Transportation, small mill-and-overlays to highly complex interchanges and bridge design.

Services

Highways & Streets

- Interchanges
- State and interstate highways
- Rural and urban arterial roadways
- Residential streets
- Street rehabilitation
- County road improvements
- Context-sensitive design practice
- Design-build
- Bicycle and pedestrian facilities
- ADA compliance

Structures

Design

- New and replacement bridges
- Highway and interchange overpasses
- River and stream crossings
- Pedestrian bridges
- Railroad bridges
- Bridge rehabilitation

Inspection

- Bridge load ratings
- Routine bridge (on-system and off-system)
- Fracture critical
- Underwater and acoustic imaging
- Pedestrian bridges
- Overhead sign structure High mast light tower
- Nondestructive testing
- Investigative engineering
- Bridge preservation

Traffic

- Impact and access studies
- Noise studies
- Vehicle classification counts
- Break in access studies
- Corridor studies
- Parking studies and design
- Simulation and demand modeling
- Traffic calming
- Intersection safety and operations
- Bicycle facility design
- Maintenance of traffic design
- Street lighting design
- Traffic signal optimization
- Transportation planning

Construction Engineering & Inspection

- Construction inspection and administration
- Project documentation
- Creating, reviewing, and processing pay applications and change orders
- Reviewing and processing contractor submittals
- Utility coordination
- Public relations with affected property owners, businesses, and traveling public
- Liaising between client, contractors and other stakeholders
- Materials testing
- Punch lists
- As-built plans
- Final paperwork

Water Environment



Water

For almost 50 years, GBA has been creating remarkable solutions for clean, safe and healthy water environments. We are a local leader in wastewater and storm sewer design engineering with the capabilities to provide the necessary services in-house. Our approach to designing sanitary and stormwater sewer systems incorporates the right combination of sound engineering, long-lasting materials, energy-efficient processes and low-maintenance equipment.

To assist our clients in cost effectively preserving, maintaining and replacing their infrastructure, GBA's comprehensive program includes not only I/I studies; rate studies; storm and sanitary sewer design; sewer inspection and evaluation, sewer remediation and more.

Services

Water & Wastewater

- Flow installation, monitoring and analysis
- Manhole inspections
- Smoke and dyed-water testing
- Private property building inspections
- CCTV inspection of main and lateral sewers
- Modeling
- Trenchless sewer design
- Planning
- Rehabilitation design
- Elevated and ground storage facilities
- Pumping facilities
- Distribution systems
- Raw-water system



Wastewater



Stormwater



Industrial & Office



Mixed Use

Environmental Permitting

- Cultural Resources
- Endangered Species Act Compliance
- NEPA

Stormwater

- Stream restoration
- Green infrastructure
- Detention and retention
- Enclosed systems
- Stormwater management – inventory, assessment, evaluation and capital improvement program development

Construction Inspection

- Pipe bursting
- Boring
- Micro-tunneling
- Cured-in-Place Pipe Lining (CIPP)
- Point repairs
- Open cut replacement
- Manhole rehabilitation

Site Development & Survey



Commercial & Retail



Municipal

In the very competitive arena of site design, GBA strives for innovative, cost-effective and functional design solutions that begin with a thorough understanding of the client's needs and goals for the project. Our approach includes consideration of traffic impacts, site access, environmental constraints, parking requirements, storm water management, and the cost of site work/ infrastructure improvements.

Our process identifies specific project hurdles and constraints early on. We develop a critical path to seek planning environmental and other site related permit approvals by focusing on development issues early to manage and resolve them so our clients can start construction earlier.

Services

- Site due diligence
- Property selection and rezoning
- Site and civil engineering
- Cost estimating
- Environmental review and permitting
- Stormwater BMPs
- Low impact development
- Master planning
- Land surveying
- Trails
- Program management

Buildings



Industrial

GBA works hard to maintain our reputation for uncompromising quality, on-time project completion, and fair and reasonable fees. Each project is considered in its entirety, within the boundaries specified by the client and with the comprehensive experience and expertise of the GBA staff. The result is an innovative, functional and cost-effective design.



Life Sciences

Services

Life Sciences (Pharma & Biotech)

- Master planning
- cGMP audits
- QA/QC
- Life safety audits
- Energy audits
- Architecture
- Facility/utility engineering
- Process engineering
- Equipment engineering
- Facility commissioning
- Construction period services
- Facility, utility and equipment commissioning
- Validation
- Compliance
- Gap analysis and risk assessments



Mission Critical

Mission Critical

(Data Centers & Telecom)

- Facility audits and assessments
- Electrical/arc flash studies
- Complex phased renovation design
- Expansions and building additions
- Preparing MOPs, SOPs, ESOPs
- Master planning

Industrial

- Architecture
- Fire and life safety
- M/E/P engineering
- Structural engineering
- Site selection
- Existing building evaluation
- Renovation design
- Greenfield design
- Construction services

In-House Support Services

With an integrated team working side-by-side, on the same page from day one, issues and challenges are identified early; analyzed comprehensively; and addressed quickly in house, minimizing the impact to the project. This breadth of ability provides clients with ease in coordination and enhanced communications among disciplines and services.



Advanced Robotics & Remote Sensing (ARRS)



Architecture



Asset Management & Reliability



Commissioning



Compliance



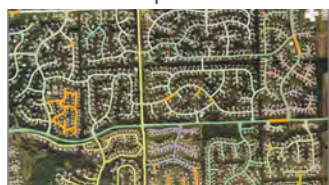
Construction



Design-Build



Fire & Life Safety



Geographic Information Systems (GIS)



Structural Engineering



Surveying



Validation