



TLF has been providing professional engineering services to Owners, Contractors and Design Professionals for over 30 years. We have offices in Indianapolis and Fort Wayne, Indiana and are licensed in Indiana, Kentucky, Michigan, Illinois, Ohio, Alabama, Arkansas, Colorado, Florida, Iowa, Kansas, Louisiana, Massachusetts, Minnesota, Missouri, Mississippi, Nebraska, North Carolina, Oklahoma, South Carolina, Tennessee, Texas and Washington.

Since our inception in 1991, TLF has been committed to partnering with our clients to fulfill their needs and has established a reputation for high quality and innovative project management and engineering solutions.

One success after another leads our clients to call us back. If they want something done and done right, they call TLF. Our clients know we will deliver because we have a history of delivering projects and are committed as a company to making every project a success.

MARKETS SERVED:

INDUSTRIAL AND MANUFACTURING

Serving the industrial and manufacturing market has been a focus and niche of TLF since our founding.

Manufacturing clients face the constant challenge of maintaining operations while dealing with aging structures, repairs, upgrades, space for new equipment lines, equipment maintenance, personnel safety, fall protection, and a host of other unique challenges.

Our engineers have a true appreciation and desire to be involved with this unique work and have developed comfort and skill in working in industrial facilities safely and efficiently. We are proud of the partnerships we have built with our outstanding clients and are grateful for the opportunity to be a part of their team.

- Bulk Chemical and Environmental
- Grain Processing and Storage
- Heavy Equipment
- Power Generating and Utilities
- Metals Processing and Recycling
- Pharmaceutical
- Automotive and General Manufacturing
- Food and Beverage

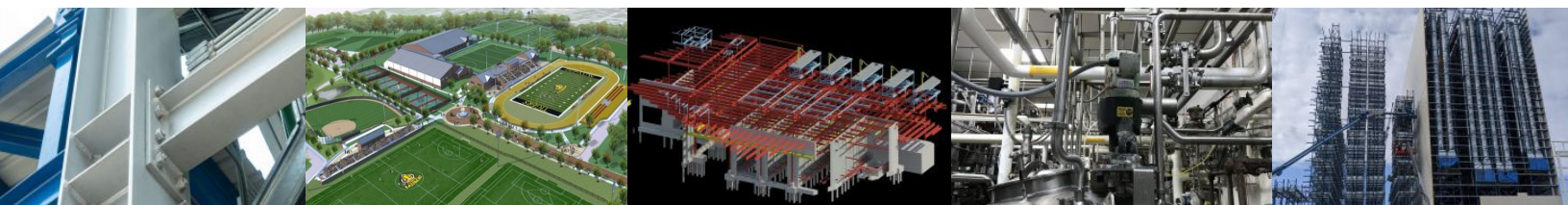
COMMERCIAL AND INSTITUTIONAL

The world of commercial development, institutional expansion, parking structures, and other non-industrial markets is a demanding one.

TLF has provided Structural and Site/Civil Engineering services and solutions in this environment throughout its history.

These types of projects often require an entirely different set of challenges that TLF has always eagerly accepted.

- Parking Garages
- Higher Education
- K-12 Schools
- Office Buildings
- Warehouse and distribution centers
- Single and multi-family residential
- Landscaping
- Site Utilities



SERVICES

STRUCTURAL ENGINEERING



- New Building Design, Additions and Retrofits
- Special Structures
- Supports for Equipment and Machinery
- Equipment Access and Maintenance Platforms
- Supports for Mechanical and Conveying Systems
- Fall Protection and Safety Engineering
- Renovation, Repair & Retrofit of Existing Structures
- Crane Systems
- Seismic Design
- Foundations
- Parking Facilities and Structures
- Tunnels
- Historic Buildings
- Condition Assessments and Structural Evaluations



SITE / CIVIL ENGINEERING



- Landscape Architecture
- Conceptual Site Design
- Site Due Diligence Investigations
- Parking Lot Design
- Roadway Design
- Storm Water System Analysis & Design
- Sanitary Sewer Design
- Water Distribution System Design
- Open Channel Flow Analysis
- Hydrology Analysis & Design
- Regulatory Permit Acquisition
- Construction Coordination



INDUSTRIAL FACILITY DESIGN

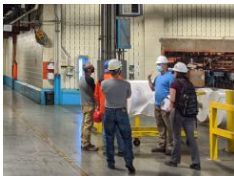


- Analysis and Design of Structures
- New Buildings, Additions and Retrofits
- Project Concept, Planning and Coordination
- Feasibility Studies
- New Facilities and Building Additions
- Full-Service Evaluations of Existing Facilities
- Equipment Additions
- Structural Design
- Seismic Evaluations of Buildings and Structures
- Architectural Design
- Site Design and Utility Improvement
- Cost-Benefit Analysis and Estimation
- Process Oriented Design
- Construction Bidding Documents
- Construction Administration
- Quality Control Document Reviews
- Analysis and Design of Structures



PROJECT MANAGEMENT / OWNER'S TECHNICAL REP

- Problem Solving
- Project Scope Development and Review
- Planning, Budgeting and Scheduling
- Bid Package Development
- Construction Administration
- Onsite Construction Oversight
- Monitor Quality and Schedule
- Project Documentation
- Cost Management
- Change Order Control
- Punch Lists
- Site Master Planning



3-D MODELING AND DRAFTING

- BIM Modeling
- Plant Layout & General Arrangements
- 3-D Models From Scan Point Clouds
- Basic Equipment Models

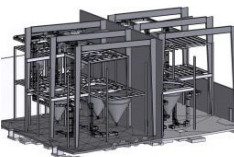


SAFETY

- Compliant Access Systems (Ladders, Stairs, Guards)
- Problem Solving
- Access Studies
- Tie Off Points
- Fall Arrest Systems

DEMOLITION

- Facility Decommissioning
- Utility Relocation Mini-Packages
- Cost Minimizing Sustainable Methods
- Demolition Bid Packages
- Post Demolition Site Improvements



REGULATORY AGENCY APPROVALS & PERMITS

- Development of Permit Strategy
- Defining Deliverables and Scheduling
- Phased Permitting
- Permit Acquisition

