



## Civil and Sanitary Engineering Design

Project Investigations, Reports and Feasibility Studies  
Cost Analysis  
Preliminary and Final Engineering  
Earthwork and Site Grading  
Stormwater Detention, Collection and Flood Control  
Sewage Collection and Treatment  
Water Supply, Storage and Distribution  
Erosion Control  
Freeways, Arterial Collector and Local Street Design  
Urban, Suburban and Rural Street Design  
Intersection Geometry and Roundabout Design  
Traffic Studies and Signal Design  
Roadway and Parking Lot Lighting  
Bicycle and Multi-Use Pathway Design  
Motor Fuel Tax (MFT) Design and Inspection  
Railway Spur Design  
Railroad Facility and Grade Crossing Engineering  
Small Dams and Bridges

## Community Planning

Downtown, Corridor and Neighborhood Plans  
Urban Design  
Zoning, Sustainability and Form Based Codes  
Planning and Zoning Administration  
Development and Feasibility Reviews  
Economic Development Programs and Marketing  
Landscape Architecture  
Transportation and Pedestrian/Bike Plans  
Parks and Recreation Planning and Design  
Sports Facility Design  
GIS and Cartography Services  
Municipal Management and Strategic Planning  
Fiscal Impact and Tax Base Analysis  
Intergovernmental Planning and Coordination  
Growth Studies  
Population Projections  
Density Analysis  
Utilities Planning and Mapping  
Highest and Best Use Analysis

## General Management and Grant Funding

Grant Application and Management  
Budget Preparation and Administration  
Facilities Operation and Management  
Facilities Billing and Collection  
Building and Engineering Plan Reviews and Inspections  
Electronic File Management for Plans and Submittals  
Contract Management Services

## Water Resources Engineering

Watershed Drainage  
Master Watershed Planning  
Hydrologic and Hydraulic Modeling  
Stormwater Infrastructure Design  
Stormwater Master Planning  
FEMA Flood Insurance Studies  
Dam Break Modeling and Breach Zone Mapping  
Aquifer Characterization/Water Supply Studies  
Erosion and Sediment Control  
Geomorphic Characterization and Stream Restoration  
Wetland Delineations  
Wetland Creation, Enhancement and Restoration  
USACE Nationwide and Individual Permitting  
Wetland Mitigation Plans and Monitoring  
Irrigation Design  
NEPA Documentation  
GIS Services  
DNR Permit Assistance

## Water & Wastewater Engineering

Facility Planning  
Water Production, Treatment and Distribution Design  
Sanitary Collection and Treatment System Design  
Reclaimed Wastewater Irrigation Design and Permitting  
Contract Operations and Management  
Spray Irrigation  
Pre-Treatment Program Setup  
Permitting and Ordinance Compliance  
Bio-Solid Management and Planning  
Rate Evaluation and Recommendations  
Loan Acquisition Assistance  
Grant Package Preparation and Release  
Safety Planning and Implementation  
Agency Compliance Issue Negotiation  
Corrosion Protective Coating Consultation  
Construction and Project Management and Oversight

## Construction Services

Contract and Bid Negotiation  
Constructability Review  
Project Budgeting and Cost Analysis  
Construction Scheduling, Staking, Guidance and Observation  
Construction Management  
Assistance with State and Federal Acceptance  
Total Site Coordination



## Environmental Services

- Phase I Environmental Site Assessments
- Phase II Environmental Site Characterizations
- Phase III Environmental Site Remediations
- Underground Storage Tank Assessments
- Comprehensive and Pre-Demolition Asbestos Surveys
- Asbestos Abatement Project Specifications
- Asbestos Abatement Work Observation and Air Monitoring
- Asbestos Management Plans
- RCRA Compliance Audits
- Hazardous Materials Management Plans
- Lead Based Paint Testing and Remediation Services
- Health and Safety Work Plans
- Special Resources Survey

## Surveying

- Boundary and ALTA Surveys
- Topographical Surveys
- Wetland Location Surveys
- Subdivision Plats
- Easement Preparation
- Building Layout
- DOT Surveys
- Dedication Plats
- High Definition 3-D Scanning

## Supply Chain Logistics

- Market Forecast Analysis
- ROI/Financial Analysis
- Terminal Operations Analysis
- Technology Evaluations
- Terminal Valuations
- Security Assessment and Planning
- Equipment Selection and Acquisition
- Project Marketing and Advocacy
- General Freight Transportation Consulting
- Terminal Planning, Design and Layout
- Throughput Capacity Analysis
- Supply Chain Cost Analysis
- Port, Intermodal and Logistics Park Master Planning
- Economic Impact Analysis

## Sustainable Solutions

- Eco-System Management
  - Prairie Restoration and Management
  - Endangered Species Consultation
- Flora and Fauna Surveys
  - Water Quality Sampling and Monitoring
- Renewable Energy
  - Bio-Energy
  - Wind Energy
  - Solar Energy
  - Hydropower
- LEED Design
- Community Outreach