

## COMPREHENSIVE SERVICES LIST

3-D, Web, and Multi-Media GIS  
Aerial Photography  
Airfield Lighting, Signing, and NAVAIDs  
Airport Facilities Planning and Design  
Architecture  
Asset Management  
Bike & Pedestrian  
Bridge Design  
Bridge Inspection & Training  
Coastal Engineering  
Cold Region Engineering  
Comprehensive Conveyance Programs and  
Specialty Pipeline Crossings  
Condition Assessment  
Conservation Conveyance and Property  
Transformation  
Construction Management  
Continuity of Operations, Continuity of  
Government, and Business Continuity  
Planning  
Cost Estimation  
Cultural and Natural Resources Management  
Customer-Site Staffing  
Damage Assessment, Forecasting and Loss  
Estimation  
Dams and Reservoirs  
Data Acquisition and Conversion  
Data Management and Hosting  
Database Design, Modeling and Administration  
Deicing Facilities  
Disaster Training and Exercise Program  
Development  
Ecosystem Restoration  
Ecosystem Restoration/ Stream Stabilization  
Emergency Operations and Response Planning  
Environmental BRAC  
Environmental Engineering  
Air Quality Management  
Decontamination and Demolition  
Environmental Assessments and Impact  
Statements  
Brown Field Investigation  
Environmental Compliance and Planning  
Environmental Data Management  
Environmental Planning and Design  
Evacuation and Sheltering Plans  
Failure Investigation and Analysis  
Feasibility Studies  
Flood Insurance Rate Maps and Studies  
General Civil  
Geospatial-IT Consulting  
Geotechnical Services  
Subsurface Investigations  
Landslide and Rockslide Repair  
Roadway and Railroad Cut Slopes  
Dam and Levee Design  
Mine Subsidence Remediation and Control  
Geotech Reports, Plans & Specifications  
Geotechnical Construction Phase Services  
Highway Design  
Human Health and Ecological Risk  
Assessment  
Hydrologic and Hydraulic Modeling  
Infrastructure Protection Planning & Design  
Integrated Asset Management  
Intelligent Transportation Systems  
Interagency Coordination and Public Outreach  
Interior Design & Space Planning  
Landscape Architecture  
Logistics Management and Planning Support  
Mapping  
Master Planning and Airport Layout Plans  
Mining & AMD Services  
AML Reclamation/AMD Treatment  
Design and Permitting of Coal Refuse  
Disposal Facilities  
Mine Facilities Permitting  
Stream and Water Restoration  
Multi-Media Compliance  
Municipal Services  
Grant Applications  
Ordinances and Permitting  
Stormwater Management  
Streets and Bridges  
Subdivisions and Developments  
Water and Wastewater Systems  
I/I, SSES, Sewer Rehabilitation  
Municipal Representation  
NEPA Services  
Occupational Health and Safety Services  
Operations Engineering  
Petroleum Storage Tank Management  
Pipeline Design and Hydraulic Analysis  
Planning  
Program Management  
Public Involvement

## COMPREHENSIVE SERVICES LIST

### Rail & Transit

#### Pre-Project Services

- Policy Analysis
- Program / Project Development
- Financial Plans & Audits
- Grant Service Support
- Operations & Maintenance Audits
- Program Management
- Project Delivery Analyses
- Economic Analysis
- Risk Assessment / Management
- Asset Management
- Risk-Based Cost Estimation

#### Planning & Environmental Services

- USDOT Program Assistance
- Market Analysis
- Demand Forecasting & Modeling
- Investment-grade Forecasting
- Emergency Planning / Evacuation
- Interagency Coordination
- Public Involvement
- Urban Design/Charrettes
- Alternatives Analysis
- Multi-Use Corridor Planning
- Feasibility Studies
- Mobile LiDAR Mapping
- GIS Services
- Site Selection & Land Use Planning
- Conceptual Design & Transit-Oriented Development
- Environmental Clearance Services
- Preliminary Design
- High-Speed Corridor Planning
- Station Area Planning
- ITS Services
- Ecosystem Restoration Planning
- Sustainability Solutions
- Transit Operations Planning/TDP's
- Safety & Security Planning
- Design-Build Services
- Parking Services

#### Engineering & Architecture

- Civil Engineering
- Roadway / Traffic Engineering
- Geotechnical Engineering
- Bridge Inspection & Management
- Structural Analysis & Design
- Industrial Engineering

#### Mechanical Engineering

- Architectural Design & Engineering
- Tunnel Engineering
- ADA Design
- Environmental Engineering
- Electrical Engineering
- High-Speed Rail Design
- Landscape Architecture
- Yard & Facility Design

#### Rail Systems Engineering

- Track Alignment & Design
- Catenary
- Right-of-Way Maintenance
- Grade Crossing Design
- Systems Integration
- Rail Signalization
- Positive Train Control (PTC)
- Communications Systems
- Electrical & Traction Power
- Fare Collection
- System Safety Planning & Design
- Bridge Inspection / Training
- Bridge Program Management

#### Fleet & Vehicles

- Procurement Strategy
- Inspection Services
- Delivery & Commissioning
- Fleet Maintenance

#### Construction Phase Services

- Value Engineering
- Constructibility Reviews
- Construction Management
- Construction Inspection
- Construction Safety Planning
- Shop Drawing Reviews

#### Risk-Based Strategic & Hazard Mitigation Planning

#### River Engineering and Floodplain Management

- Roadway and Parking Facility Design
- Route Alignment and Feasibility Studies
- Runway, Taxiway, and Apron Design
- Security, Threat, Vulnerability, and Risk Assessments

#### Site Development

- Preliminary Site Investigations & Evaluations

## COMPREHENSIVE SERVICES LIST

Site Planning & Conceptual Plan Preparation  
Utility Infrastructure Design  
Stormwater Management & Erosion Control  
(NPDES Permitting)  
Bidding and Construction Phase Services  
Site Engineering Services for Design/Build  
Development  
Software & Application Development  
Source Water Supply & Protection  
Stormwater Management  
Stream Restoration  
Surveying  
Toll Roads  
Traffic  
Visualization  
Water Quality and TMDL Services  
Water Resources Planning & Asset Management  
Wetlands

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