# CORPORATE CAPABILITIES

Providing the highest quality professional services to our clients










jmt.com

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# The JMT Difference

### Our staff cares.

We value our clients, both personally and professionally. When you choose JMT, you choose a dedicated team of professionals who care as much about the outcome as we do about the journey.

### Expect a straightforward approach.

Forget about complex processes and jumping through hoops – JMT makes it easy. We continuously streamline to make things clear, effortless, and effective.

### A team that works together, achieves more.

At JMT, we believe diversity – in every sense – makes us stronger. We see and treat you as a valuable partner. You can rely on us. It's all about the big picture and making decisions that are in the long-term interest of our clients. JMT creates connections that last.

### There's no solution we can't find.

JMT's professionals are creative, agile problem solvers who constantly adapt and innovate. Our attitude of "yes and" allows us to find opportunities in every situation.

### Let's envision the possibilities together.

# Our Markets

- Buildings & Facilities
- Federal Programs
- Transportation
- Utilities









Our Markets

# Buildings & Facilities

Community & Public Use

Education

Healthcare

Mines

Office/Commercial

## We're at the foundation of your successful project.

Today's built environment is becoming more complex as technologies improve and new construction materials are developed. Facility owners and operators desire real-time condition information. Mechanical systems are increasingly advanced, relying heavily on artificial intelligence. Building information modeling influences all life cycle phases and makes them more efficient. Security systems, information technology, telecommunications, and building automation are converging towards a single platform.

Each facilities market sector has different performance standards, requirements, and expectations for its buildings to serve specific needs. JMT has significant experience in all types of commercial, healthcare, education, and government/public use facilities.
At JMT, we take the time to understand our clients' needs and work with them to formulate effective, economical, and sustainable solutions that meet their challenges. Our staff provides the complete breadth of engineering and management services required for facility projects throughout all project phases.

JMT has the experience and expertise to make sure that facility data and asset life cycle and management information are integrated in a user-friendly and accessible format. Our experience includes making these data available in multiple formats for web-accessible dashboards, and mobile devices. This allows for more efficient workflows and a single source of comprehensive asset data from planning to implementation to operations, and ultimately to disposal.





Buildings & Facilities Market

# Community & Public Use

Providing effective building projects for public use on behalf of government owners can become demanding with budget and staffing level constraints. Sustainability, historic significance, and security are just a few of the concerns that must be addressed during the development of these projects. With tight budgets and increased pressure to deliver the same level of service, agencies aim to do more with less. Many of their iconic buildings and spaces must adapt to current needs to withstand the test of time.

JMT is a leader in providing planning, design, and post-design services to government agencies across the U.S. From transit stations to libraries to office and administrative buildings and even federal agency headquarters, JMT delivers cost-effective solutions to our government clients while keeping sight of the project's end goal.

## Recreation

JMT specializes in the planning and implementation of vibrant parks and recreational facilities that serve a variety of communities. Our diversified team of planners, landscape architects, engineers, architects, and construction managers work collaboratively with clients to develop plans and facilities that preserve existing resources while implementing new facilities that are both cost-effective and sustainable.





Buildings & Facilities Market

# Education

Educational facilities pose unique issues at every instructional level. The K-12 and higher education markets have similar expected outcomes while facing different facility requirements. What remains constant is the need for the highest-quality facilities, with limited budgets, often while occupied by teachers, students, and administrators.

JMT believes strongly in promoting education. Our mission, combined with our extensive experience in partnership with educational systems, yields complete facility infrastructure and technological resources that provide productive learning environments. Our professional staff keenly understands the requirements and intricacies associated with new educational facilities, systemic renovations, and construction.

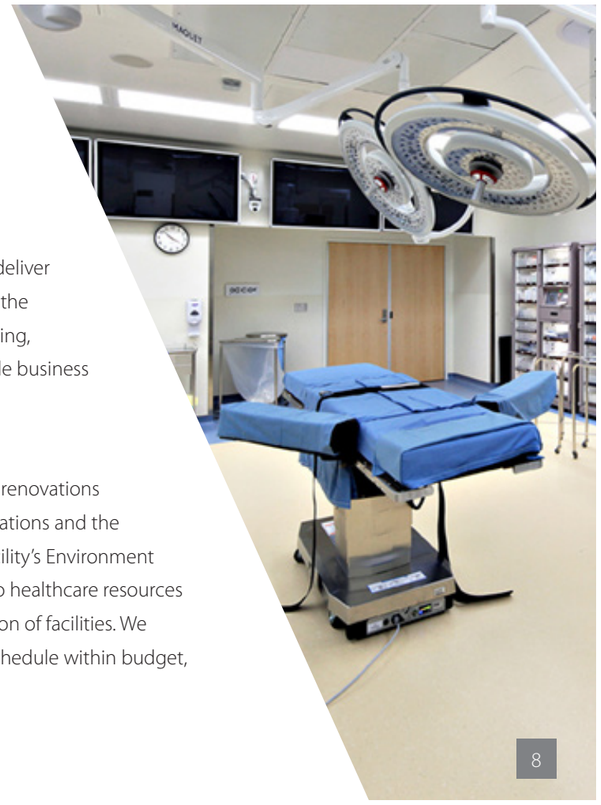
Through effective communication and community involvement, JMT has a proven record of success in the educational market.

Buildings & Facilities Market

# Healthcare

Healthcare facility design and construction is a specialized field that requires knowledgeable, experienced professionals who successfully deliver projects while protecting the patients and visitors and accomplishing the objectives set forth by the owner. Medical technologies are ever evolving, design standards are changing, and regulations are tightening, all while business requirements are unique to each client.

JMT is experienced in designing and implementing healthcare facility renovations and infrastructure upgrades. We understand complex healthcare operations and the resulting strain construction projects can generate on a healthcare facility's Environment of Care. JMT supports the owner's need to maintain constant access to healthcare resources as we coordinate activities during new construction or the rehabilitation of facilities. We develop innovative solutions to successfully implement change, on schedule within budget, and with minimal or no impact on operations.







Buildings & Facilities Market

# Mines

Mining in the United States is highly regulated by federal and state agencies for environmental and operational compliance. These regulations, combined with the capital-intensive nature of mining and the need to plan operations for the long-term, present many challenges that require site-specific and forward-thinking engineering solutions. In addition, public perception of the mining industry is frequently unfavorable. This creates an additional need for consultants who understand both the specific issues that the industry faces and the ramifications of any actions.

JMT's mining services group brings a unique and strong set of skills to assist our clients in solving their specific environmental compliance and permitting challenges, as well as operational, planning, and management issues. Our mining team includes individuals with more than 30 years of direct operations and executive management experience, both domestically and internationally, as well as decades of consulting and environmental permitting experience for the industry. This unique mix, along with the breadth of JMT's comprehensive capabilities, allows the mining services group to deliver superior client-specific solutions and work products.

Buildings & Facilities Market

# Office/Commercial

Commercial office buildings, warehouses, retail, mixed-use, and restaurants are all unique, yet the building and real estate costs of commerce have a significant effect on an organization's bottom line. JMT staff understand these issues.

At JMT, we deliver innovative solutions to large and small businesses, preserving their bottom lines, while maintaining their identities though their places of business. Whether your facility is looking for a facelift, an energy upgrade, or a comprehensive renovation, JMT can assist you.

Throughout a building's life cycle, JMT provides a one-stop-shop solution for all your commercial building needs.



Our Markets

# Federal Programs

Architecture

Engineering

Construction Management

Natural & Cultural Resources

Design-Build

Surveying

Landscape Architecture

Technology

## Experience with the most challenging projects.

JMT has a strong reputation of providing quality services to our federal clients across multiple sectors: transportation, buildings and facilities, water/wastewater, ecological, and energy. Our experts are adept at establishing strong and productive relationships, working closely together with our clients to meet project goals.

JMT provides a comprehensive range of technical services through our diverse staff. We have an excellent track record for meeting client schedules for deliverables at each project milestone. JMT's high rate of repeat business is a testament to our ability to respond quickly.





Federal Programs Market

# Architecture

JMT's architects are adept at establishing strong and productive relationships with our clients. Since architecture is a cross disciplinary endeavor involving a team of architects and engineers working closely together with our clients, we engender good will and cooperation among all project stakeholders to meet your project goals.

Designing New Buildings
Renovating Existing & Historic Structures
Designing Interiors & Space Planning
Master Planning for Large Facilities & Campuses
Computer Aided Design, Revit & BIM
3D Imaging & Visualization
Sustainability (LEED)
ADA Compliance

Federal Programs Market

# Engineering

JMT provides a comprehensive range of technical services through our diverse staff. We have an excellent track record for meeting client schedules for deliverables at each project milestone. JMT's high rate of repeat business is a testament to our ability to respond quickly with high quality services.

Planning
Civil
Geotechnical
Traffic
Structural
Mechanical
Electrical
Commissioning
Coastal
Disaster Response

GSA Schedule Contract

Contract GS-00F-194CA – Professional Services Schedule

- 871 – Professional Engineering Services
- 899 – Environmental Services







Federal Programs Market

# Construction Management

The expertise of JMT's construction management staff covers a broad range of project and facility types for federal agencies. Projects include new construction and renovations of existing buildings such as hospitals, museums, national monuments, offices, maintenance facilities, data centers, research facilities, and laboratories. Infrastructure experience includes bridges, roads, treatment plants, utilities, marine, and aviation projects.

Program Management
Construction Project Management
Construction Project Inspection
Constructibility Review
Cost Estimating
CPM Scheduling
Value Engineering
Claims Analysis

Federal Programs Market

# Natural & Cultural Resources

JMT has a strong reputation of providing quality natural and cultural resources services to our clients across multiple sectors: transportation, buildings and facilities, water/wastewater, ecological, and energy, including for our federal agency customers.

Regulatory Permits & Agency Coordination
Stream/Wetland Assessment & Ecosystem Restoration
Natural Resources Investigations
Environmental Planning & Analysis/NEPA
Water Quality & Watershed Analysis
Archaeological and Historic resources
Environmental Characterization and Remediation Design (Phase I/II & III)
Public Involvement
Federal Agency Rulemaking
Natural Resources Damage Assessments





Federal Programs Market

# Design-Build

JMT has completed engineering services for design-build delivery method projects for federal, state, and local government agencies. Through our established strong working relationships with several regional and national contractors, we have completed the following types of design-build projects:

New and Renovated Buildings

Highway & Bridge

Utilities & Energy

Water & Wastewater

Stormwater Management

Aviation & Marine

Federal Programs Market

# Surveying

JMT offers a variety of services to meet any and all surveying needs. We have the capacity to provide multiple surveying crews on any assignment. Our equipment is regularly tested at calibration ranges and improvements to survey techniques, and updates are routinely disseminated to survey personnel.

Topographic Surveys

Property Surveys

GPS Surveys

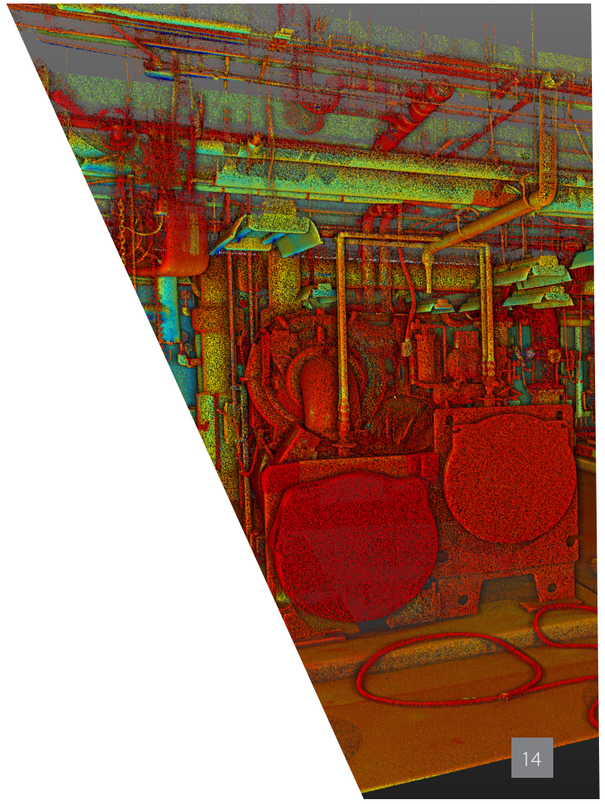
Right-of-Way, Record & Easement Plats

Construction Stakeout

Subsurface Utility Locating and Designating

3D Laser Scanning

Unmanned Aerial and Bathymetric Surveys







Federal Programs Market

# Landscape Architecture

JMT's landscape architecture team works collaboratively with our planners, architects, engineers, and project stakeholders to create memorable public spaces for our clients. We strive on every project to sensitively integrate the built and natural environments to create truly sustainable places. Our expertise includes:

Transportation Planning & Design

Green Infrastructure Planning & Design

Public Involvement

Park & Recreation Planning & Design

Cultural & Historic Landscapes

Campus Planning & Design

Environmental Planning & Design

Sustainable Sites Design

Federal Programs Market

# Technology

JMT provides information technology consulting, services, and solutions to government and commercial markets using innovative web, desktop, and mobile platforms and technologies. This experience allows our clients to receive measurable return on investment while ensuring the best solution for each unique challenge.

Geographic Information Systems

System Integration

IT Design, Implementation & Administration

Applications Development

Cloud Services

Business Analysis

Needs Assessment & Strategic Planning

Program Support & Management



Our Markets

# Transportation

Roads & Bridges

Bicycles & Pedestrians

Aviation

Rail & Transit

Marine & Ports

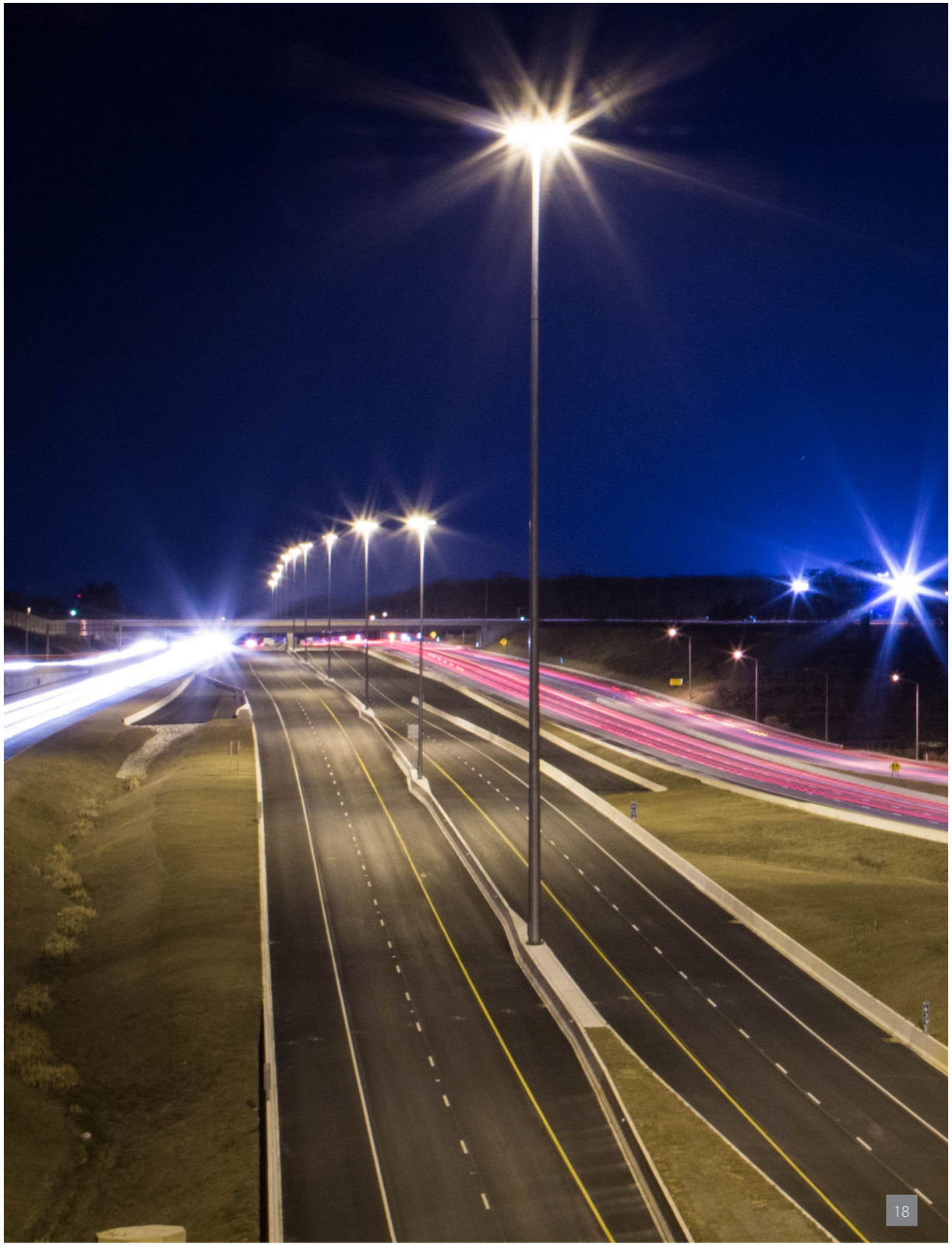
## We'll get you where you want to go.

A safe, comprehensive transportation network for people, goods, and services is vital to the country's economic success. Highway, aviation, rail, transit, and marine facilities should be designed to accomplish the primary goals of providing mobility, interconnectivity, and efficiency. These facilities and the transportation network they support serve a critical role in the U.S.'s health, welfare, and economic viability.

JMT is a national leader in delivering transportation infrastructure improvements for federal, state, and local agencies across a wide range and scale of projects. We resolve your largest and smallest transportation challenges, with the same dedication to service and quality work regardless of project size.

Our trademark is the development of innovative and sustainable solutions that increase safety, mobility, and efficiency of operation for all stakeholders.





Transportation Market

# Roads & Bridges

Highway and bridge designs have evolved to specialized disciplines requiring dedicated professionals who remain current with changing technologies, standards, and practices. Today's environment demands experts in civil and structural engineering who recognize and understand impacts their efforts have on the people and communities in which these projects exist.

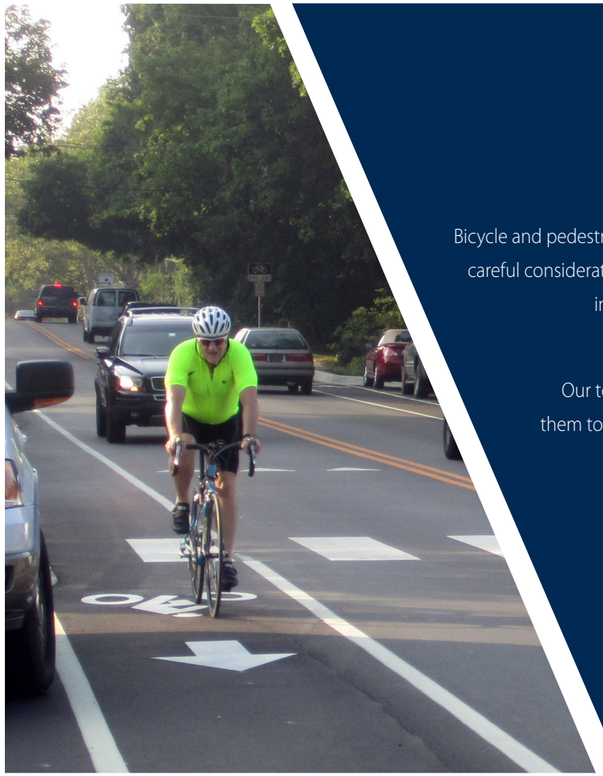
When JMT undertakes an assignment to add to and improve our roadways and bridges, we make the project safer and more efficient for all users.

JMT has completed thousands of highway and bridge projects throughout the United States. Our highway projects range in complexity from local intersection improvements to streetscapes in urban environments to the most complex interstate and highway projects. Our bridge projects include services for bridge inspection and remedial design, rehabilitation of existing bridges, and design of new steel, concrete and precast bridges, culverts and retaining walls.

We are leaders in context sensitive design and assemble the appropriate skill sets among our engineers, landscape architects, and environmental specialists to ensure that all improvements blend into the community and environmental contexts while at the same time satisfying transportation needs.

Projects are delivered using traditional design-bid-build, design-build, and best value, and through public-private partnerships.

Transportation Market

# Bicycles & Pedestrians

Bicycle and pedestrian facilities are vital elements in any transportation system and require careful consideration during the planning and design process. In the past, transportation infrastructure often undervalued the needs of bicyclists and pedestrians.

Our team fully appreciates these project stakeholders and works closely with them to provide our clients with innovative and practical solutions that address mobility issues for all users.

JMT has a long history of delivering successful projects to our clients at both the planning level of development and the engineered and built final product. We have completed numerous studies and designs for county and state agencies varying in scale and setting from rural corridors to the urbanized environment of cities.

Transportation Market

# Aviation

Supporting a client's aviation needs requires thorough knowledge of airside, terminal, and landside elements, and how they interconnect. The array of stakeholders involved demands a keen understanding of the needs of agencies/owners and their customers. Unique to the marketplace, aviation facilities serve to move products and people worldwide.

Airport campuses often resemble small cities. JMT has the experience to support the varied and numerous needs of an airport's infrastructure involving landside, terminal, and airside improvements. We can assist with locating federal grants and other funding sources, as well as creating budgets and schedules for improvement and expansion projects. From our planners and design engineers developing plans and documents, to our construction managers and inspectors verifying that everything is being built according to specifications, JMT has the expertise to support any airport client.







Transportation Market

# Rail & Transit

Effective and efficient rail and transit facilities are a vital component of the transportation infrastructure necessary for moving goods and people. The disciplines required to provide this service are unique to the industry and require specialized and talented professionals.

JMT provides complete transportation solutions for the planning, design, and construction management of transit and rail facilities. Our multidisciplined transit staff consists of architects, planners, engineers, environmental specialists, and construction professionals who are involved in every stage of project development for transit, rail, bus, and paratransit facilities.

Transportation Market

# Marine & Ports

Marine and port facilities are parts of a complex system, interconnected with railroads and highways, that are designed to facilitate the movement of goods throughout the transportation network. These facilities require expertise in a broad range of engineering and related disciplines.

At JMT, we support agencies from ship to shore with architectural, engineering, and inspection expertise regarding wharfs, piers, bulkheads, warehouses, buildings, earthwork, foundations, paving, utilities, trackwork, and landscaping.



Our Markets

# Utilities

Water & Wastewater Treatment

Water Supply & Wastewater Collection

Oil & Gas

## We're working for cleaner water and better-connected infrastructure.

The nation's vast utilities system is an integral part of our country's infrastructure and a necessity to our way of life. Our citizens expect efficient development and uninterrupted delivery of electricity, heat, water, sewer, telephone, and all utility amenities.

Clean water and sanitation facilities are especially critical. Within every community across the country, water and wastewater infrastructure require development, enhancement, and continued operation and maintenance support to ensure their vitality.



Utilities Market

# Water & Wastewater Treatment

Water and wastewater treatment both involve physical, chemical, and/or biological treatment processes. While the specific processes can vary greatly based on local conditions and needs, the typical desired result is safe drinking water and low-nutrient wastewater.

The JMT staff includes civil, environmental, mechanical, chemical, structural, and electrical engineers with expertise in the design of various types of water and wastewater processes and facilities. Our experience includes plants ranging in size from less than 1 million gallons per day to greater than 300 million gallons per day, industrial wastewater treatment, and the use of new technologies such as enhanced nutrient removal and reverse osmosis systems.

We also offer extensive experience in facility operations for a range of small to large-scale water and wastewater treatment plants. Our staff provides services for scheduling and coordination, preventive and predictive maintenance assessment, building information modeling, reinvestment planning, budgeting, training, and benchmarking. From start-up through commissioning, JMT utilizes a systematic process documenting the performance of all facility systems.







Utilities Market

# Water Supply & Wastewater Collection

Water supply networks and sewage collection systems traverse communities, conveying water and transporting wastewater to and from treatment facilities in order to keep people healthy and to prevent disease.

JMT helps public agencies and private entities to develop, maintain, and extend water and sewer systems and facilities. We solve the complex problems associated with regulatory and consent decree-enforced designs and upgrades, providing efficient and cost-effective services within the ever-tightening design and construction schedules.

JMT's engineers are experienced in analysis, modeling, and design of water distribution and wastewater collection systems; water storage facilities; and stormwater, water, and wastewater pumping stations.

Our engineering staff is experienced in designing and providing construction documents for the correct pipe sizes and pump design for any application. Likewise, our environmental services staff remains up-to-date on the latest industry regulations and technologies. JMT often teams with local specialty rehabilitation contractors to provide a full range of investigation, analysis, maintenance, and rehabilitation services.



Utilities Market

# Oil & Gas

Promoting renewable energy while maintaining reliable domestic oil and gas infrastructure is a national priority. Access to an abundant supply of natural resources is a game changer for our economy, energy security, and environment. The oil and gas industry is challenged with regulatory compliance, transportation logistics, and design and technology changes. Our emerging role to support this industry while protecting the environment puts us in the center of the oil and gas marketplace.

JMT understands that challenges facing this industry cannot always be anticipated. Our project managers serve as extensions of your company and development team, responsible for applying a business philosophy of timely and quality service, safety and relationship-building. JMT has also completed safety screenings through PICS and ISNetworld.

Our knowledge of and long-standing relationships with local government, counties, and regulators allows us to successfully provide the following services for oil and gas exploration, production and transmission in all states:

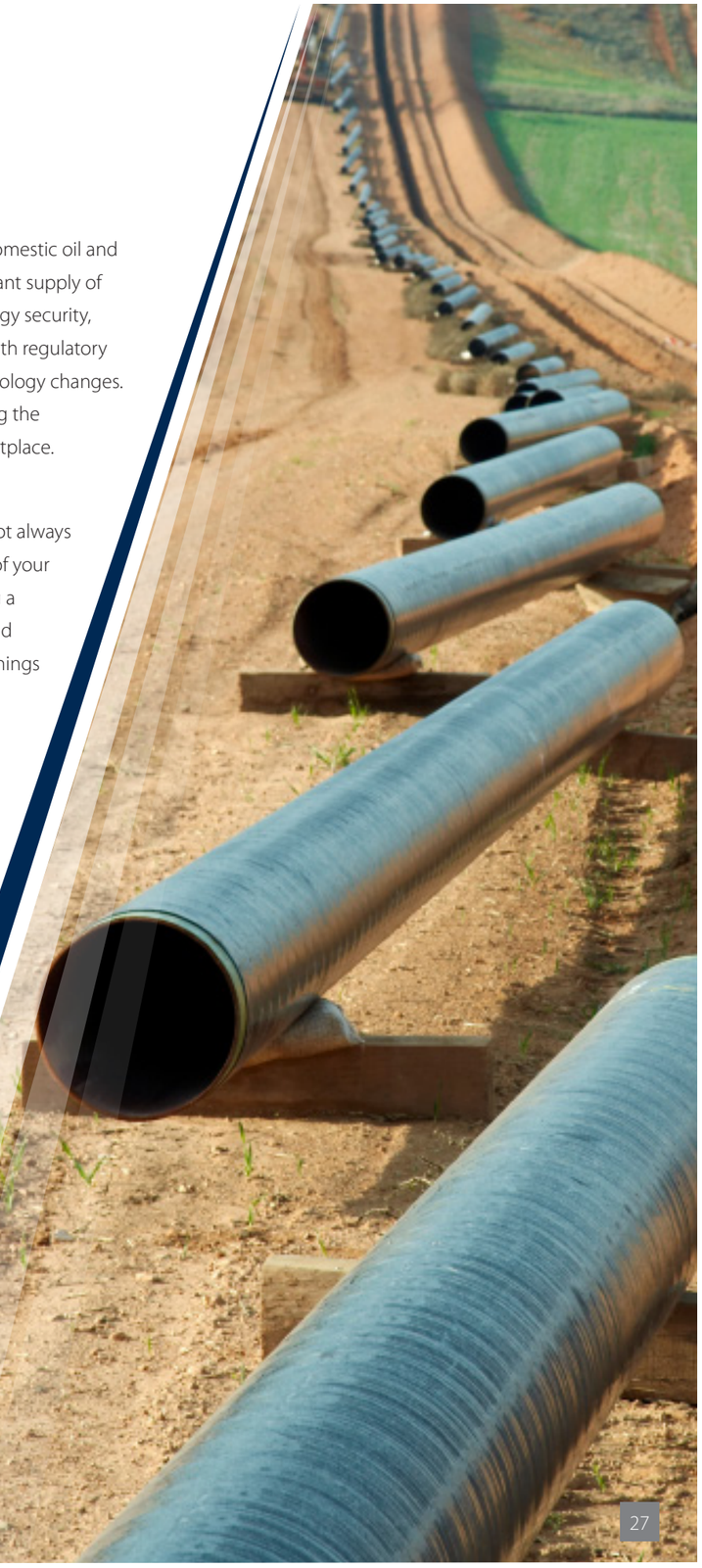
Land Services

Construction Monitoring & Inspection

Unmanned Aircraft Systems (UAS)

Engineering Services

Environmental Services



# Our Services

Condition Assessment & Inspection

Design

Environmental & Sustainable Solutions

Planning

Program & Construction Management

Surveys & Mapping

Architecture & Interior Design

Information Technology


















Our Services

# Condition Assessment & Inspection

## Observe. Evaluate. Recommend.

The JMT team provides complete studies, inspections, and spatial analyses of existing structures and facilities necessary for planning and reuse, and we often develop alternatives for life cycle cost and technical feasibility.

JMT conducts structural condition assessments that are programmed and based on the latest standards. Assessments allow us to collect field data from observations of structural elements such as beams, columns, trusses, floor systems, and roof support systems, and follow the load paths to their respective foundations. From these field-collected data, JMT is able to gather the necessary information to ascertain load characteristics for these elements.

Our staff uses tools such as micrometer readings for steel compentry, pachometer digital rebar locators for determining concrete slab reinforcement, and various others to provide field structural geometry. Visual and sonic methods are also used for identifications and categorization during assessment programming.

Bridge Inspection

Diving Services/Underwater Inspection

Facility Condition Assessment

Unmanned Aircraft Systems (UAS) Operations










# Design

## Where imagination meets innovation.

The design phase of a project is the final engineering stage prior to construction and follows from the planning stage. At this point, the engineering that was completed on a planning scale is now detailed and finalized, and contract documents are prepared.

JMT's skilled professionals take your project through the design process and develop contract documents. The heart of JMT is in the quality of staff that we employ. Our experienced employees consistently identify and design solutions that are efficient while meeting the functional requirements of our clients.

Innovative Project Delivery
Civil & Site Engineering
Road & Highways Design
Structural Engineering
Coastal Engineering
Water Resources
Traffic Planning & Engineering
Mechanical/Electrical/Plumbing
Water/Wastewater
Landscape Architecture
Geotechnical/Pavement Engineering
Utilities Engineering

# Environmental & Sustainable Solutions

## Forever considering the generation after ours.

Environmental sustainability is not just a catchphrase. Given the ecological challenges that our world faces — water quality and water supply, global warming, climate change, habitat destruction and fragmentation, and loss of biodiversity, to name a few — holistic, comprehensive solutions are needed. Those solutions are available if we innovatively plan and engineer communities, transportation networks, infrastructure, and technologies that reconcile the environmental, social, and economic demands of human society.

At JMT, we are a part of the solution. We approach each project as an opportunity to enhance the human and natural world. To do so, we engage multi-disciplined teams to consider many perspectives and integrate sustainable ideas and solutions within the framework of our clients' projects while meeting overall objectives.

We look forward to working with you to deliver solutions that will preserve a legacy for future generations to enjoy.

Permitting & NEPA
Natural/Ecological Services
Cultural/Historical Resources
Green Infrastructure



# Planning

## Connecting people to places.

Planning encompasses a broad range of disciplines that provide the groundwork for virtually all architectural and engineering projects. Transportation, facilities, water/wastewater, and every other type of project will require some element of planning to allow engineering efforts to proceed. From full environmental studies and development of alternates to acquiring land use permits, planning is a necessity to build a strong foundation and move your project forward.

JMT, through our multi-disciplinary planning staff, provides required planning, engineering, environmental, and consensus building services to federal, state and local clients. Our services range from regional and community-based planning for comprehensive master plans, and feasibility studies, to project planning for complete streets and highways, transit, airport, and pedestrian and bicycle facilities.

JMT's holistic approach to planning incorporates transportation and community needs, environmental analysis, multi-modal planning and engineering, and facilities planning to deliver cost effective and innovative solutions. These services are provided using a variety of public engagement techniques and forums, relying on an extensive array of JMT-developed graphics — from static displays to 3D animations — to build client and community consensus for the plan or project.

Transportation Planning
Community & Regional Planning
Space/Use Planning
Recreation Planning & Design
Strategic Engagement & Creative Services

Our Services

# Program & Construction Management

## In place, in support of your project and program.

The process of building infrastructure encompasses many participants, each with differing interests and objectives. The construction industry employs millions of people and accounts for approximately 8% of the US gross domestic product.  Each project has individual characteristics that limit opportunities to realize the economies of scale that the manufacturing industry does.

A core business at JMT is ensuring our clients' objectives are met continuously from project inception to completion and beyond. The value our professional and experienced staff provide ensures that projects meet their planned schedules and are delivered with the intended quality, saving our clients' money.

Construction Management
Construction Engineering & Inspection
Program Management
Commissioning
Project Controls



# Surveys & Mapping

## We're in the right spot to assist you.

Surveying is much more than a simple boundary or topographic project. To be successful in today's surveying world, flexibility toward client needs must be a high priority, along with understanding all the survey technology available and determining the right solution for every project.

At JMT, we have successfully completed thousands of surveying projects for a wide variety of clients including federal, state, and local government agencies, as well as private institutions. The flexibility of our survey staff to meet and exceed client expectations remains our strength. From land and hydrographic surveying, to real estate acquisition, GPS surveys, and subsurface utility designating and locating, we offer surveying solutions to meet the needs of any project.

Our surveying staff has the capacity to provide multiple surveying crews, licensed surveyors and engineers, and real estate professionals for any assignment. We offer innovative solutions that are custom designed to meet project goals and schedules and exceed your expectations.

Surveying Services
Subsurface Utility Engineering
Right-of-Way/Real Estate Services

Our Services

# Architecture & Interior Design

## Enhancing the quality of life.

JMT Architecture is home for the award-winning design talent within JMT that offers expertise in the disciplines of architecture, interior design, planning, landscape architecture, and graphics. Our breadth of professional skills allows us to look at each project holistically, and provides our clients with added value through direct access to the best and most appropriate design resources for their specific projects.

Working collaboratively with clients, our design professionals offer proven processes for solving challenges by listening first, understanding the issues, developing creative solutions, and producing results that exceed expectations. We are committed to finding the best solution for each design opportunity.

Fundamental to our design philosophy is that the "sense of place" is valued by everyone. We evaluate cultural, physical, social, and environmental contexts to create solutions that work well on every level. JMT Architecture projects are compelling, sustainable, comfortable, and innovative.

Architecture
Interior Design
Landscape Architecture
Planning
Graphic Design
Animation & VR
Cultural & Historicial









# Information Technology

## Accomplish the impossible through technology innovation.

JMT Technology Group provides information technology consulting, services and solutions to government and commercial markets through the use of modern and innovative web, desktop and mobile platforms and technologies. This experience allows our clients to receive more immediate and measurable return on investment while ensuring the best solution for each unique challenge.

We are a collaborative and dependable team of technology experts who strive to make a difference by providing high quality work coupled with an unparalleled commitment of service to our customers. We actively engage with our customers and assess all available and evolving technologies to meet specific business needs while providing a secure, superior user experience that adds value to your organization.

Geospatial Solutions
Licensing & Recreation
Enterprise Information Management



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Offices strategically located throughout the United States