



PAVEMENT ENGINEERING

Part of a diversified family of solutions

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About Us

Johnson, Mirmiran & Thompson (JMT) is a multidisciplinary engineering and architectural firm serving clients throughout the United States since 1971. JMT's pavement engineering team provides pavement design, analysis, and construction services for standard and specialized pavements for roadways, airports, ports, and other intermodal facilities. We have a wealth of experience in the selection of applicable pavement types and treatments and the subgrade beneath the pavements. Our clients have benefited from our experience in large- and small-scale projects.



Pavement Investigations

JMT offers project-specific investigation programs (destructive and non-destructive) that are economical and based on client's requirements.

Pavement Cores & Borings

Dynamic Cone Penetrometer (DCP)

Ground Penetrating Radar (GPR)

Falling Weight Deflectometer (FWD)

Visual Distress Surveys (Manual & Semi-Automated)

Ride Quality Assessments

Pavement Management Systems

JMT's experts have experience performing network and project level pavement management systems and recommending cost-effective and time-reducing maintenance and rehabilitation techniques.

Inventory & Inspection of Roadway Data

Prediction Models

Maintenance & Rehabilitation
(M&R) Plans

Budget Analysis

GIS Integration

Services

Pavement Investigations

Pavement Management Systems

Pavement Design

Pavement Preservation

Subgrade Stabilization

Geotechnical Engineering





Pavement Design

JMT's pavement engineers have vast experience performing pavement analysis and design while utilizing state-of-the-art practices.

New & Overlay Pavements

Mechanistic-Empirical Pavement Design

Life Cycle Cost Analysis (LCCA)

Superpave Mix Design

Recommend Various Rehabilitation Strategies



Pavement Preservation

JMT's pavement engineers provide effective pavement preservation strategies by identifying distress conditions and causes and provide appropriate cures for pavement preservation. Our engineers develop customized preventive maintenance programs based on the agency's capital programs, which meet the goals, needs, and constraints of our clients. JMT's pavement engineers always consider AASHTO's pavement preservation definition of "applying the right treatment to the right pavement at the right time."



Geotechnical Engineering

JMT's geotechnical staff provides design and construction testing services to anticipate subsurface soil, rock, and groundwater conditions. Our services aid in the development of site-specific subsurface investigations and innovative yet economical engineering design solutions. JMT's recommendations and warnings are incorporated into the design documents regarding conditions that could affect the overall cost and duration of construction projects. Our services include:

Roadway Support

Slopes including Reinforced & Steepened Slopes

Foundations

Retaining Wall Systems

Dewatering and Subdrainage Design

Ground Modifications Systems

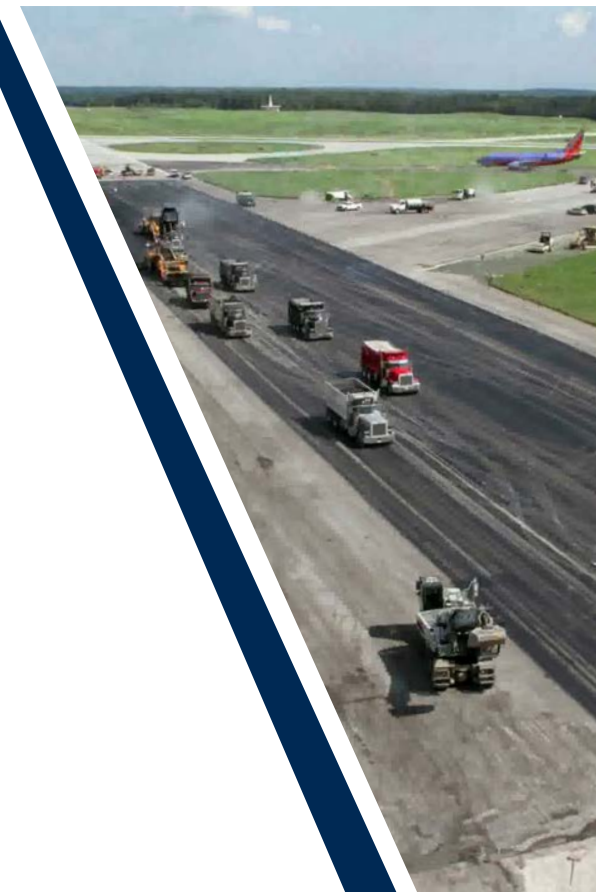
Subgrade Stabilization

JMT's engineers evaluate a wide range of options to improve the subgrades that provide long-term support for the pavements.

Subgrade Support Characteristics

Cement/Lime Subgrade Stabilization

Geogrids/Geosynthetic Stabilization





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