



Pavement Engineering Services

GMU has been offering full-service pavement engineering services for over 2 decades throughout Southern California.

Our services range from pavement evaluation and new construction design to construction observation, testing, and management. GMU offers state of the art design solutions that balance project specific needs and stakeholder costs. In addition, because GMU employs experienced geotechnical, civil, and pavement engineers, our solutions integrate aspects of each discipline resulting in cost-effective designs and minimizing the potential for future problems.

Pavement Management Plan (PMP)

- Pavement condition surveys
- Pavement reserve budget study and Maintenance and Rehabilitation (M&R) scheduling

Pavement Evaluation and Design

- Pavement deflection testing and analysis
- Pavement coring and subsurface exploration
- Ground Penetrating Radar (GPR) testing and analysis
- Laboratory testing
- Cost-effective pavement improvement recommendations

Plans, Specifications, and Estimates (PS&E)

- Bid package preparation, including plans and specifications
- Bid solicitation to various qualified contractors
- Bid review, evaluation and pavement contractor recommendations

Construction Management Advisory

- Construction management
- Construction inspection
- Specification compliance

Construction Testing and Inspection

- Caltrans-certified pavement and soils materials testing laboratory
- Quality assurance
- Compaction testing

Select Projects

GMU has provided pavement engineering services to more than 50 HOAs and 20 municipalities throughout Southern California.

Homeowners Associations (HOAs)

- Pelican Hill
- Dove Canyon
- Ocean Ranch
- Covenant Hills
- Canyon Lake Property Owners Association (CLPOA)

Municipalities

- City of Newport Beach
- City of Laguna Niguel
- City of Irvine
- City of Dana Point
- City of Aliso Viejo
- City of Mission Viejo

Schools

- St. Margaret Episcopal School
- Mariners Elementary School
- Adams Elementary School
- Lincoln Elementary School
- Fullerton College
- Newport-Mesa Unified School District (NMUSD)

