



**Missouri's
Local
Program**
*for community
development*

COVER SHEET

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal
Name:

Modjeski and Masters, Inc.

Firm Contact Name:

Jerilyn Hassard

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St. Louis, MO 63103

Work Category:

- Roadway Design
- Trails & Sidewalks
- Construction Inspection
- Traffic Engineering & TEAP
- Structures
- Environmental
- Historic Preservation
- Multimodal Planning / Systems and Facilities Design
- Transportation Planning – **NEW CATEGORY**

Modjeski and Masters, Inc. (M&M) is interested in providing **On-Call Professional Engineering Services for Roadway Design** in all Missouri DOT (MoDOT) Districts for Missouri's Local Program. M&M possesses the expertise, qualifications, and capacity required for successful contract management. We are familiar with MoDOT policies and preferences and are well-versed in coordinating with local permitting and regulatory agencies. Our comprehensive roadway design capabilities encompass all phases of project development, from preliminary engineering through final design and construction support for roadways, highways, interchanges, and corridors, with proven experience in:

- ✓ Widening
- ✓ Resurfacing and Pavement Reconstruction
- ✓ Utility Accommodation
- ✓ Right of Way
- ✓ Stormwater Management
- ✓ Surveying
- ✓ Hydraulics and Drainage
- ✓ Pedestrian and Bicycle Facilities
- ✓ Highway Lighting
- ✓ ADA and Safety Improvements
- ✓ Maintenance of Traffic
- ✓ Signing and Pavement Marking
- ✓ 3D Modeling and Visualization
- ✓ Planning and Conceptual Studies
- ✓ Parking Lot Design
- ✓ Sidewalks and Trails

PREQUALIFICATION

M&M is listed on MoDOT's Approved Consultant Prequalification List. Our current Financial Prequalification, E-Verify, LPA Training, Bridge Forms, and Bridge QC/QA Plan are on-file with MoDOT.

GENERAL EXPERIENCE OF THE FIRM

M&M is a 100% employee-owned firm and a nationwide leader in transportation engineering. Founded in 1893, M&M has built a legacy of technical excellence and innovation, serving state transportation departments, including MoDOT, as well as port and turnpike authorities and railroads across the country.

Since establishing our first MidAmerica office in 1995, this team has consistently delivered quality design services on time and under budget for MoDOT, Metro, and the Terminal Railroad Association of St. Louis. These relationships have led to successive contracts, including on-call agreements with these same agencies, covering assignments that vary in size, complexity, and timing.

275+ DEDICATED EMPLOYEES

55 PROJECT MANAGERS

22 NBIS BRIDGE INSPECTORS



99 STRUCTURAL ENGINEERS

5 CONSTRUCTION INSPECTORS

100%
EMPLOYEE OWNED

24 ELECTRICAL & MECHANICAL ENGINEERS

24 CADD TECHNICIANS

10 CIVIL / TRANSPORTATION ENGINEERS

36 OTHER STAFF

PAST PERFORMANCE

Our firm has recently completed similar roadway design utilizing our MoDOT key personnel. A detailed sample of these projects is below:



Missouri DOT

Donna Philpot, 573.258.0544
donna.philpot@modot.mo.gov

Route D over Byrd Creek, Jackson, Missouri | M&M provided preliminary and final roadway and bridge design services, including structural alternative evaluations, HEC-RAS hydraulic and scour analysis, bridge and roadway plans, ROW plans, environmental/RES submittals, geotechnical investigation, and preparation of final PS&E. A proposed alignment was generated to match into the existing alignment as quickly as possible, while considering the existing field alignment deviation from the original alignment. A legacy alignment was created to tie the original plans to the existing/field conditions and proposed alignment. The new structure is a three-span precast prestressed concrete NU girder superstructure supported on concrete bent caps supported by columns/drilled shafts and integral end bents on H-piles.

Jerilyn Hassard – Project Manager Zach Holley – Lead Roadway Engineer
Chris LeRose – QC/QA Roadway



Illinois DOT

Billie Owen, 618.346.3209
billie.owen@illinois.gov

I-55 and 64, St. Clair County, Illinois | M&M is providing preliminary and final design services for the I-55/64 corridor from the Poplar Street Bridge to the I-64 interchange. The scope includes three miles of pavement rehabilitation and reconstruction, as well as structure repair and replacement. M&M manages the project; we are preparing comprehensive roadway, maintenance of traffic, drainage, and stormwater pollution prevention plans, and leading public involvement, including stakeholder coordination and communication.

Jerilyn Hassard – Project Manager Laura Rampersad – Roadway
Aaron Kober – Railroad Coordination Samuel Megli – Roadway



Illinois DOT

Jason Goble, 217.466.7220
jason.goble@illinois.gov

US 150 Roadway Resurfacing, Champaign, Illinois | M&M is preparing a Phase I Minor Design Study (Abbreviated Project Report) and Phase II roadway documents for the designed overlay resurfacing of US 150, IL 130 from University Avenue to IL 130 (S) in Champaign County. Improvements to the section include hot-mix asphalt removal and resurfacing, pavement patching, incidental resurfacing, ADA improvements including curb ramp replacements and spot sidewalk replacement, raised reflective pavement markers, and permanent pavement markings. Limited Phase III services will be needed for shop drawing review and/or answering contractor questions.

Laura Rampersad – QC/QA Reviewer Samuel Megli – Lead Roadway Engineer



West Virginia DOH

Ray Patrick, 304.414.6887
ray.c.patrick@wv.gov

Jackson Street +3 ADA Improvements, Marion County, West Virginia | M&M designed 263 curb ramp locations along US Route 19, US Route 250, US Route 19 SB, Locust Avenue in Fairmont, the streets of Mannington, and CR 19/73 in Marion County, West Virginia to ensure ADA and PROWAG compliance. This is the largest ADA Design-Build project that WVDOH has advertised and awarded to date.

Chris LeRose – Project Manager Zach Holley – Lead Roadway Engineer



West Virginia DOH

Ray Patrick, 304.414.6887
ray.c.patrick@wv.gov

35th Street E. +1 ADA Improvements, Kanawha County, West Virginia | M&M, working with Wolf Creek Contracting, designed approximately 30 curb ramp locations along County Route 60/63 and County Route 60/62 to ensure ADA and PROWAG compliance. This project upgraded the ADA facilities throughout an area in Kanawha City, West Virginia with very high pedestrian and vehicular traffic counts. The new ADA-compliant curb ramps provide safe access on and off the existing sidewalk for the nearby Kanawha City Elementary School, as well as multiple businesses, restaurants, and residences in the area. Construction was completed in June of 2022.

Chris LeRose – Project Manager Zach Holley – Lead Roadway Engineer



West Virginia DOH

Ray Patrick, 304.414.6887
ray.c.patrick@wv.gov

Bethany Pike +8 ADA Improvements, Brooke County, West Virginia | M&M, working with Wolf Creek Contracting, designed 80 curb ramp locations along WV Route 88, WV Route 67, and other minor routes in Bethany, West Virginia to ensure ADA and PROWAG compliance. This project upgraded the ADA facilities throughout the entirety of the Bethany College campus. Construction was completed in September of 2022.

Chris LeRose – Project Manager Zach Holley – Lead Roadway Engineer

QUALIFICATIONS OF PERSONNEL

M&M recognizes that on-call assignments can arise at any time and involve a wide range of tasks. To address this unpredictability, we have designated three Project Managers who are highly experienced in managing on-call contracts. Supported by a local pool of roadway, drainage, and electrical engineers, we can quickly assemble a tailored design team for any assignment. Our proven, redundancy-focused approach has consistently proven successful on M&M's prior on-call contracts.

PROJECT MANAGERS

-  Aaron Kober, PE
-  Laura Rampersad, PE
-  Chris LeRose, PE

QC/QA MANAGER

-  Jerilyn Hassard, PE

DESIGN SERVICES

Zach Holley, PE Samuel Megli, PE Felipe Mota Ruiz, PE <i>Roadway/Drainage/ MOT/S&PM</i>	Jon Gerhart, PE Rob Peters, PE <i>Lighting</i>	Tyra Gentry <i>3D Modeling and Visualization</i>
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Jerilyn Hassard, PE | QC/QA Manager

Jerilyn, Vice President and MidAmerica Regional Director, has 29 years of experience leading complex transportation infrastructure projects from concept through completion. A licensed Missouri PE (#2002003174), she has managed multiple Phase I/II/III projects varying in complexity from corridor realignment and replacements to simple approach roadway replacements. Jerilyn has overseen MoDOT contracts in the SE District, managed similar task work order-based contracts, and is intimately familiar with MoDOT's policies, preferences, and procedures.



Aaron Kober, PE | Project Manager

Aaron, a proven Project Manager, brings 28 years of expertise in the design, rehabilitation, and evaluation of highway, railroad, and pedestrian transportation facilities for local, state, and municipal clients. A licensed Missouri PE (#2008028539) and LPA Project Certified through MoDOT, he excels at coordinating roadway plans and maintenance of traffic for projects of all sizes. Aaron frequently draws on his extensive project background to integrate innovative project delivery methods and value engineering at every project phase. Additionally, he is experienced working on MoDOT contracts.



Laura Rampersad, PE | Project Manager

Laura has 35 years of experience in roadway design. A licensed Missouri PE (#2023027197), her recent experience includes Route 114 Over Dexter Creek and UPRR in Dexter, where she served in a QA role reviewing all highway plans, as well as Route 114 over Little River Drainage Ditch and over Drainage Ditch No. 5 in Stoddard County, where she directed and reviewed all roadway and traffic control plans. Her expertise spans design, rehabilitation, crash analysis, safety studies, project scoping, MOT, work zone management, TMP reports, construction schedules, and project cost estimates.



Chris LeRose, PE | Project Manager

Chris, a licensed Missouri PE (#2020036892), has 25 years of experience in highway design and traffic engineering, as well as ample knowledge of NPDES permitting. Prior to joining M&M, he worked as a Unit Design Leader in the Traffic Engineering Design Section for the West Virginia DOH. His background encompasses design for roadway, drainage, ROW, signing and marking design, temporary traffic control, and highway lighting. Chris's MoDOT experience includes Route 114 Over Dexter Creek and UPRR in Dexter and Route D Over Byrd Creek in Jackson, where he supported all facets of the highway design effort, including geometric design, drainage, ROW development, temporary traffic control, and QC.

FAMILIARITY/CAPABILITY

M&M has extensive experience providing roadway design services across the country and is fully familiar with MoDOT design standards and guidelines. Our firm has a proven track record of delivering federally funded transportation projects that comply with all applicable federal laws and regulations. M&M has successfully completed numerous Locally Administered Federal Aid Projects and has extensive experience working with FHWA standards, guidelines, and compliance requirements. We have direct experience with federal project delivery requirements, including NEPA, Section 106 historic preservation requirements, federal environmental regulations, and FHWA design standards.



ACCESSIBILITY

M&M's robust project management and QC/QA program enables us to manage multiple concurrent projects without compromising technical quality or responsiveness. Our local staff ensures immediate access for coordination, field reviews, and stakeholder communication throughout the life of each project. With multiple Project Managers proposed, we will absorb project demands and coordinate deliverables seamlessly, providing Missouri's Local Agency with timely, accurate, and fully compliant design packages.

The strongest measure of capability and accessibility is client satisfaction.

The final design phase went very smoothly and [M&M] met the deadlines. [M&M] turned in a good set of final plans. [M&M] was easy to work with and very responsive throughout the project! —Michele Atkinson, MoDOT (Route A over Indian Creek)

...without [M&M's] willingness and ability to rapidly accelerate their design efforts, the [US 63 Bridge project] would have not been funded or constructed. —Christian Johanningmeier, City of Columbia, MO (US 63 Overpass)

Modjeski and Masters, Inc. (M&M), a 100% employee-owned company, is a recognized leader in the design, inspection, and rehabilitation of all types of bridges, highways, and tunnels. Ranked **#15 on the 2025 ENR Top 25 Bridge Design Firms** list and celebrating **130+ years of continuous operation**, M&M offers integrated in-house expertise in structural, electrical, mechanical, highway, and construction engineering, all under a unified management approach.

M&M's MidAmerica leadership brings proven expertise tailored to meet MoDOT's needs.



Jerilyn Hassard, PE, SE

Vice President, MidAmerica Regional Director, and **MoDOT's Direct Contact**

P: 618.659.9102 | E: JMHassard@modjeski.com

- 29 years of transportation engineering experience
- Licensed in Missouri
- NBIS Program Manager
- Corridor management, including lighting and roadway design expertise
- Public involvement and context sensitive solutions
- Award-winning Project Manager



Rachel Mertz, PE, SE

Senior Project Manager, MidAmerica Assistant Regional Director

- 27 years of transportation engineering experience
- Licensed in Missouri
- NBIS Program Manager
- Load capacity rating expert, including AASHTOWare BrR specialist
- Hydraulic and scour analysis and design expertise
- Extensive rehabilitation experience



Aaron Kober, PE, SE

Project Manager

- 28 years of transportation engineering experience
- Licensed in Missouri
- NBIS Team Leader
- CM/GC and Resident Engineer experience
- Railroad coordination specialist
- LPA Federal Basic Training and LPA experience



...without M&M's willingness and ability to rapidly accelerate their design efforts, the bridge would not have been funded or constructed."

—City of Columbia, MO

Every step of the development and implementation of the project was under a tight schedule, and M&M met or improved upon the schedule deadlines..."

—Illinois DOT

MISSOURI LOCATIONS



AWARDS

Iowa DOT I-74 Mississippi River Bridge

- 2023 ACEC Illinois Grand Conceptor & Honor Award
- 2022 Roads & Bridges Magazine Top 10 Bridges
- 2022 NCSEA Outstanding Project – Bridge/Transportation
- 2022 NSBA Prize Bridge Award – Major Span
- 2022 ABCD Outstanding New Long Span Bridge

Illinois DOT Martin Luther King Bridge Approach

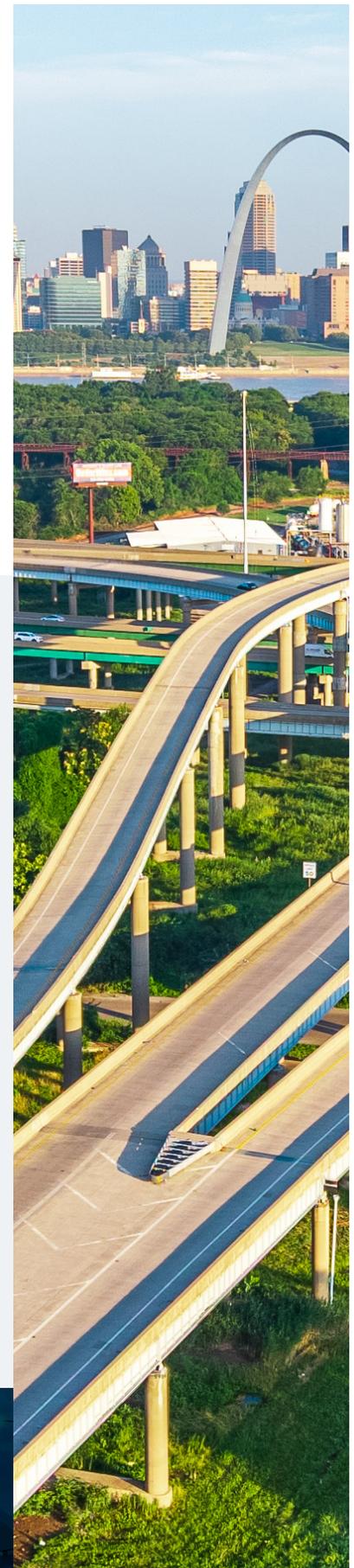
- 2022 ACEC Illinois Honor Award
- 2022 ACEC Illinois Judges Choice Award - Structural Systems
- 2019 WTS St. Louis Innovation in Transportation

Illinois DOT Legal Loads Parametric Evaluation

- 2018 ACEC Illinois Special Achievement Award

M&M’s comprehensive, in-house capabilities allow us to support the entire life cycle of transportation infrastructure— from initial research and conceptual studies, through design, construction, maintenance, demolition, and replacement.

- New and rehabilitation bridge design
- Roadway, highway, interchange, and corridor design
- ADA compliance and safe systems design
- Inspection services
- Field instrumentation and NDT
- Load capacity evaluations
- WIM traffic studies
- Maintenance and protection of traffic
- Vessel collision investigation
- Scour analysis
- Erection analysis and design of temporary works
- Lighting design
- Mechanical engineering
- Electrical engineering
- Bridge security and vulnerability analyses
- Hydraulic and scour analyses
- Fatigue and seismic evaluations
- Emergency response and forensic studies
- Bridge engineering research, code, and course development



M&M is a recognized leader in lifecycle transportation engineering services for all structure types. Our expertise spans the full lifecycle of bridge and highway support – from research and conceptual studies to design, construction engineering, field services, and rehabilitation. We are deeply rooted in the communities we serve, while maintaining a nationwide reach.



Route D over Byrd Creek

Cape Girardeau County, MO

M&M provided preliminary design services for the replacement of the existing five-span structure on MO Route D over Byrd Creek. These services included hydraulic and scour analysis, preliminary roadway plans, a bridge memorandum, and initial cost and workday estimates. M&M delivered final roadway and bridge design, along with limited construction support services.



Route 114E over Dexter Creek and UPRR

Dexter, MO

M&M provided preliminary design services, including hydraulic and scour analysis, drainage design, preliminary roadway plans, ROW plans, UPRR coordination, bridge memorandum, and preliminary cost and workday estimates for the replacement of these two curved, elevated, structures. The proposed alignment was tied into the existing alignment as quickly as possible to minimize the ROW impacts. Drainage was designed to flow away from the UPRR ROW and cross slopes were adjusted throughout the project limits for safety concerns on the low-speed route. M&M provided final roadway and bridge design and is delivering limited construction support services.



Route A over Indian Creek Bridge

Perry County, MO

M&M provided preliminary engineering, final design, and construction support services for the replacement of the Route A Bridge over Indian Creek. The scope included hydraulic and scour analysis, along with a detailed substructure investigation and cost comparison to determine the optimal foundation solution. The new structure consists of a four-span precast, prestressed concrete spread box beam superstructure supported by pile bent caps and integral end bents.



MLK Bridge Approach Complex

East St. Louis, IL

M&M provided Phase I, II, and III engineering services for the replacement of the original east approach structure to the MLK Bridge. The project also included miscellaneous repairs and highway improvements to six additional structures within the approach complex. These elements were added late in the schedule to maximize project value. M&M's scope also included highway lighting and MSE wall design.



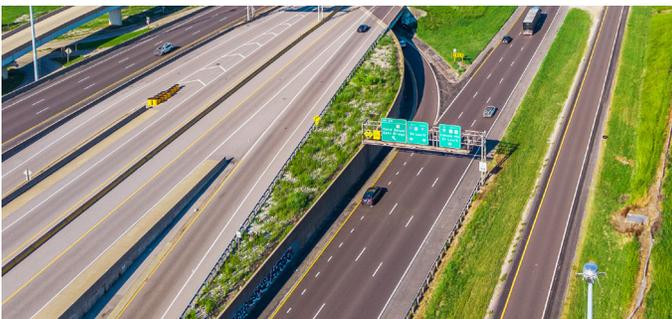
Lighting Design

M&M delivers comprehensive electrical system design and inspection services for a wide range of transportation lighting projects. Our experienced team has worked on lighting solutions for roadways, streetscapes, tunnels, bridges, and plazas, as well as traffic control and monitoring and facility interior and exterior lighting.



ADA Compliance and Bicycle/Pedestrian Design

M&M partners with clients to improve facilities and ensure compliance with ADA and PROWAG standards. Typical projects enhance safe access to businesses, restaurants, schools, and residences. Our experience includes implementing ADA transition plan upgrades in high-pedestrian areas, such as sidewalks, curb ramps, signing and pavement markings, and street crossing improvements



Highway, Roadway, and Corridor Design

M&M has developed expertise in the planning and design of roadways, corridors, and major expressways. From the complex urban interchanges to rural roadways, our comprehensive roadway-related services include geometric design of highways and streets, traffic/safety studies and signal design, roadway lighting, hydrologic and hydraulic analyses/scour, drainage/E&S/PCSM design, ADA pedestrian/bicycle design, and maintenance and protection of traffic.



Maintenance and Protection of Traffic

M&M has prepared numerous Maintenance and Protection of Traffic plans for the construction of various roadway projects. We are very familiar with Federal regulations and follow these mandates when preparing the plans to ensure the safety of all motorists and workers in the construction area.



Design Visualization

M&M's visualization services help clients, stakeholders, and the public see the "big picture" before, during, and after project completion. Our in-house 3D capabilities include:

- ◆ High-Quality Photo-realistic Renderings
- ◆ Flyby and Drive Thru Animations
- ◆ Computer Generated Details and Animations

Every visualization is developed by trained engineers using accurate, engineered designs and details.