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)

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Firm Contact Name: Marc Eshelman

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Firm's Mailing Address: 920 Washington Avenue Suite 620

St. Louis, Mo 63101

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

December 12, 2025

Ashley Buechter, P.E.
Local Program Administrator - MoDOT
105 West Capitol Avenue
P.O. Box 270
Jefferson City, Missouri 65102

Re: Letter of Interest - ROADWAY DESIGN

M3 Engineering Group, PC (M3), is pleased to submit this Letter of Interest (LOI) to Missouri's Local Program to provide on-call professional services for Roadway Design services. Established in 2009, M3 is a Minority/Woman owned Disadvantaged Business consulting firm that provides Civil Engineering Planning and Design with expertise in various aspects of Transportation, Stormwater and Green Infrastructure. Our growing staff consists of several senior engineers with extensive experience in transportation design in and around St. Louis.

GENERAL EXPERIENCE OF FIRM – The staff at M3 Engineering includes professionals who have worked on numerous roadway projects. Since the firm started in 2009, M3 has worked on roadway projects as a prime and as a subconsultant for owners such as MoDOT, IDOT, the City of St. Louis and other regional municipalities. M3 offers expertise in several specific areas, including alignment studies, resurfacing, utility impact and relocation, ADA compliance and drainage design.

PAST PERFORMANCE – M3 has worked on several related projects recently, including:

JS McDonnell Boulevard Bridge Replacement, St. Louis County DOT - M3 was the prime consultant for the design of the replacement of the existing Functionally Obsolete, three span bridge on JS McDonnell Boulevard. Bridge No. 164, which has an ADT of nearly 15,000, provides vital access to businesses north of Lambert Airport. The bridge is located within a FUSRAP site, so M3 worked with USACE to ensure that any disturbed subsurface material followed radioactive safety protocol. A floodplain study of Coldwater Creek was prepared to demonstrate no impact on the 100 year water surface elevation.

I-270 Design Build Program Management, MoDOT - M3 was a subconsultant to WSP and performed drainage planning for I-270 in North St. Louis County. Prior to the Design Build solicitation, a Program Management effort examined the existing open and enclosed drainage along I-270 in order to determine the most effective method to build new storm and stream crossing systems. The proposed route crosses over several major streams, so M3 used HEC-RAS to model the crossings to determine culvert/bridge sizes that do not adversely affect the water surfaces. M3 also planned and modeled the proposed enclosed system using XP-SWMM. M3 coordinated with a variety of agencies, including MSD, USACE and St. Louis County.

Various Phase II Projects, IDOT - M3 was a subconsultant to Wood for two Phase 2 projects in District One. WO 4 - Illinois Route 394 at Burville Road intersection improvements included design of new storm sewers, a culvert extension, and re-graded ditches along the 0.5-mile corridor. WO 8 – Various Drainage Projects included proposed french drain systems along 3,700 feet of Dixie Highway and 175th Street Homewood corridors, as well as ditch grading and culvert improvements along 1,800 feet of IL 113 in Wilmington. M3 prepared plans, specifications, and estimates for their work as a part of the team.

Tucker Boulevard Replacement, St. Louis BPS - M3 staff were hired by HDR Inc. to help complete the design for the replacement of 4,000 feet of Tucker Boulevard in the northern part of downtown St. Louis. The project included the use of 300,000 cy of earth fill and 50,000 cy of Expanded Polystyrene (EPS) fill. The project also included the

separation of combined sewers, storm sewer design, tunnel rehabilitation, utility relocation, commercial building modifications, archeological and hazardous material investigation and use of rain gardens along the length of the project. M3 staff managed the project, modeled the enclosed sewer systems with XP-SWMM, designed the storm piping, 11 curb cut rain gardens and two 20,000 square foot bioretention cells intended to reduce stormwater runoff and improve water quality.

I-55 Drainage Planning, MoDOT - M3 analyzed the drainage impacts along 6.5 Miles of proposed Interstate 55 improvements in Jefferson County, MO. The project runs from the Route Z interchange to the U.S. 67 interchange, including the cities of Pevely, Herculaneum, Festus and Crystal City.The purpose of this project is to address traffic and safety concerns along the corridor and account for future development and growth patterns in the region. M3 used a variety of hydrologic techniques to define existing conditions, to determine impacts at 41 crossings (bridges or culverts), and to recommend methods to address the impacts.

Hall Street Storm Improvements, MSD - There is a history of severe roadway flooding along 3.4 miles of the five lane Hall Street from Grand Avenue to Riverview Drive in North St. Louis, located in the North Riverfront Commerce Corridor. The situation creates dangerous driving conditions and reduces commercial appeal along Hall Street. The causes for the flooding include an extremely flat roadway profile, a limited number of inlets, clogged inlets and a lack of capacity in the receiving system. M3 modeled the entire combined sewer system adjacent to the roadway using XP-SWMM hydraulic software, as well as Optimizer, in order to define the optimized solution. The results included 22,000 feet of roadside concrete ditch and 5,000 of new sewer ranging from 12” to 60” in diameter. The project provides a 20 year level of service.

IL Route 16/IL Route 4 Madison County, IL - As part of IDOT PTB 207-046, M3 was tasked with addressing stormwater issues at various locations throughout District 8. For WO#3, M3 prepared a location drainage study and drawings to address frequent roadway flooding at IL Route 16/IL Route 4 in Madison County, Illinois, approximately 1.5 miles south of Staunton. M3 modeled the system using SMS-SRH2D, a 2-D hydraulic model capable of analyzing ponding in flat rural areas. Multiple scenarios were tested to identify the most effective solutions for preventing roadway overtopping. The solution included several large culverts, ditch widening and strategic roadway elevating, which eliminated flooding at the intersection without impacting adjacent properties.

QUALIFICATIONS OF PERSONNEL

- **Marjorie Melton, PE**, has over 43 years of experience and is the former President of the Board of Public Service for the City of St. Louis. She played an important role in the design and construction of several bridge and roadway projects, including Tucker Boulevard, Grand Avenue, Jefferson Avenue, Martin Luther King and Manchester Avenue.

- **Marc Eshelman, PE**, has been designing or managing infrastructure projects in St. Louis for 40 years for clients such as MoDOT, MSD and the City of St. Louis. His skills include managing urban roadway projects, roadway drainage design and stream crossing impact studies. He is a former Resident Engineer with St. Louis County, he has a MS in Civil Engineering, and he teaches a PE review course for MSPE. Mr. Eshelman was the Project Manager for the Tucker Boulevard Replacement in the City of St. Louis and the Hall Street Stormwater Design for MSD.

- **Todd Williams, PE**, has 28 years of experience in civil engineering, including hydraulic modeling of stream crossings, utility relocation and roadway drainage. He specializes in GPS/GIS, field inventory for ADA compliance and complex sanitary and storm sewer modeling. He has worked on Tucker Boulevard Replacement, Box Culvert Replacement on West Adams in the City of St. Charles and E. Swon, City of Webster Groves, MO.

- **Paolla Kovalsky, PE,** is a facility and infrastructure design engineer with 12 years of experience in planning and design for roadway, trail and roadway drainage projects. She has worked on projects for a variety of clients including GRG, St. Louis County, MoDOT, IDOT, and the City of St. Louis. She is adept at a variety of engineering programs, including AutoCAD, MicroStation, HEC-RAS, CityWorks, ARCGIS and Python. Her project experience includes: St. Louis County 2019 Parks Project Engineering Design Services, Deer Creek Greenway, IDOT PTB 207-046 Route 140, City of St. Louis Christy Boulevard, and IDOT IL 160/177 Queen's Lake Bridge Replacement - Project Engineer

FAMILIARITY/CAPABILITY – M3 has provided engineering services on several LPA projects including: Tesshire Drive Bridge (St. Louis County), Doc Sargent Rd Bridge (Jefferson County), Old Halls Ferry Rd Bridge (St. Louis County), McDonnell Boulevard Bridge (St. Louis County). Marc Eshelman of M3 has completed the LPA Level I Basic Training.

ACCESSIBILITY - M3 has grown steadily over the past 17 years, along with our reputation for meeting clients' needs. Our ability to serve our clients can be seen in the comments we have received:

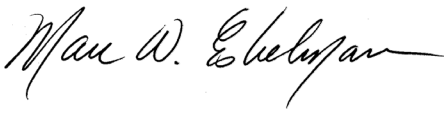
"Based on M3's prior performance, the City of Clayton would consider M3 as a strong candidate for future work." – Mr. John Wulf, PE, City of Clayton Assistant Director of Public Works

"M3 Engineering performed well on the Boschert Creek (box culvert replacement and stream restoration)…I was pleased with their ability to meet the project schedule and work with permitting agencies. I would recommend them for future work." - John Reeves, City of St. Charles Stormwater Manager

I have been working with M3 Engineering for nearly two years on a variety of projects that include field investigation, design and construction management. I have found that their team has performed very well through each phase of these projects, which has helped Illinois American Water complete projects on time and within budget. I would definitely recommend their services to others. Ric Cooper, PE, IL American Water, Project Manager

"The consultant clearly understood the project scope and the approach was technically sound. Consultant needs little direction and anticipates what is necessary for a successful project….Consultant works well with community members in a variety of project areas. The PM and staff were readily available for meetings, responding to emails and phone calls in a timely manner. Engineer returns construction inquiries in a timely manner. Team members were experienced and knowledgeable; good information resource for MSD staff." Jennifer Gerwitz, PE, Project Manager St. Louis MSD.

Sincerely,



Marc W. Eshelman, PE
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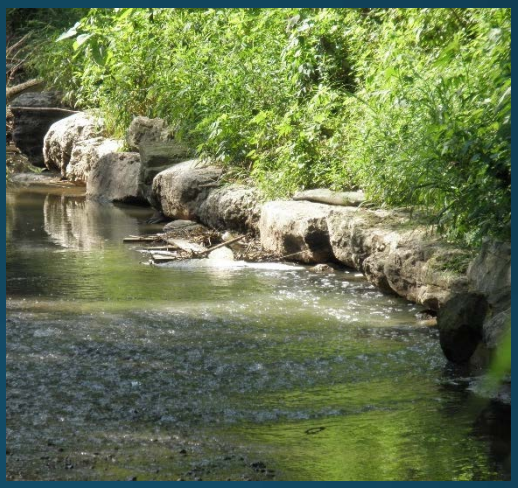
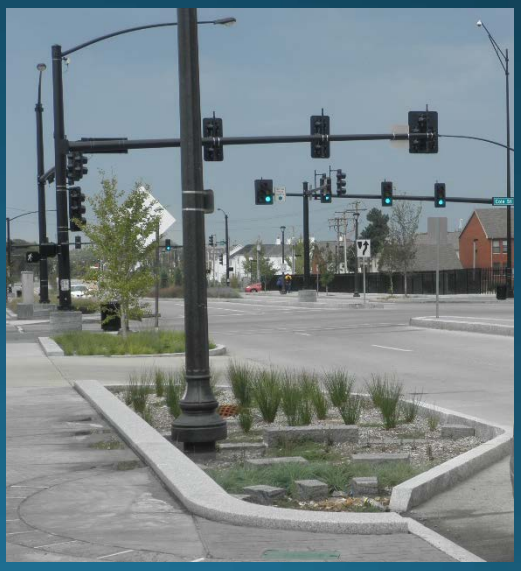
m3
ENGINEERING GROUP P.C.

Statement of Qualifications

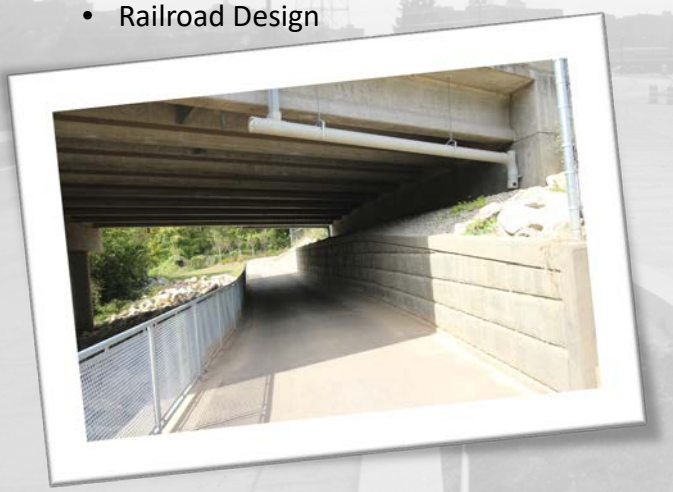




Transportation

M3 is certified with MoDOT and IDOT to perform a variety of services. We have completed transportation projects (vehicular and pedestrian) for Great Rivers Greenway, St. Louis County, the City of St. Louis, DOTs and municipalities. Our services include:

- Geometric Layout
- Roadway Design
- Box Culvert/Bridges
- Trail Design
- Streetscape Design
- Roadway Drainage
- ADA (Americans with Disabilities) Compliance
- Railroad Design



M3 transportation projects include roadway, streetscape and trails. This Maline Greenway Trail is located in Bella Fontaine Park and passes under Route 367.

M3 Example Projects:

- I-270 Design Build Programming, MoDOT
- I-55 Corridor Planning, MoDOT
- 4th and Broadway ADA Compliance, Sidewalks and Overlay, City of St. Louis, MO
- Js McDonnell Bridge Replacement, St. Louis County DOT
- Park Over the Highway. MoDOT
- Bella Fontaine Bridge Replacement and Pedestrian Trails, Great Rivers Greenway
- Green Infrastructure for Transit Oriented Development, St. Louis Development Corporation
- Tucker Boulevard Replacement, City of St. Louis, MO
- Brentwood Boulevard Streetscape, City of Brentwood, MO
- High Capacity Corridor Study (Bus Rapid Transit), METRO St. Louis

Construction Management

Because of our unique experience and staffing, M3 brings a designer's perspective, a contractor's mentality, and a partner's commitment to Construction Management, the necessary ingredients to perform critical functions:

- Pre-Construction Design Review
- Bid Advertising
- Bid Review and Recommendation
- Partnering Agreements
- Requests for Information Response
- Pay Application Processing
- On-Site Inspection
- Change Order Processing
- Final Walkthrough/Punchlist
- Project Closeout
- As-Built Preparation
- Facility Startup
- Operation and Maintenance Manuals

M3 Provided Construction Management for Pavement, Pump Station and Force Main in Godfrey, IL

M3 Example Projects:

- Frontenac Pavement, Pump Station and Force Main, IL American Water
- LaVista Streambank Restoration, American Water
- Jerseyville Operations Center, American Water
- Chain of Rocks Bridge, Great Rivers Greenway
- Government Center Building, St. Louis County, MO
- Deer Creek Bank Stabilization, Great Rivers Greenway
- Harvest Hill Court Streambank Restoration, St. Louis MSD
- Diplomat Lane Streambank Restoration, St. Louis MSD
- Shiva Court Streambank Restoration, St. Louis MSD

I have been working with M3 Engineering for nearly two years on a variety of projects that include field investigation, design and construction management. I have found that their team has performed very well through each phase of these projects, which has helped Illinois American Water complete projects on time and within budget. I would definitely recommend their services to others. ***Ric Cooper, PE, IL American Water, Project Manager***

Stormwater

The staff at M3 have modeled, studied and designed hundreds of stormwater projects in their career. Our services include:

- Hydrologic Design
- Hydraulic Modeling (SWMM, HEC-RAS, HEC-HMS, HEC-GEORAS)
- Master Planning
- Storm Sewer System Design
- Water Quality Modeling and Design
- Sediment Transport
- Floodplain Analysis
- Permitting (404, 401, Floodplain)
- Bridge/Culvert Hydraulics

M3 designed this box culvert under West Adams Road while avoiding impacting the 100 year floodplain.

M3 Example Projects:

- Harlem Baden Regional Detention, St. Louis MSD
- Comprehensive Stormwater Master Plan , City of St. Charles, MO
- Cole Creek Flood Reduction, City of St. Charles, MO
- Hall Street Storm Sewer Improvements, St. Louis MSD
- Village of Harwood Heights, IL Flood Mitigation, Metropolitan Water Reclamation District of Greater Chicago
- Ridgemoor Drive Stormwater System, St. Louis MSD
- Boschert Creek Culvert Replacement, City of St. Charles, MO
- Wise and Mabel Stormwater, St. Louis MSD
- Essex Creek Flood Mitigation, City of Maryland Heights, MO
- Maline Creek Floodplain Study, Great Rivers Greenway
- Lower Meramac Rain Garden and Pervious Pavement, St. Louis MSD
- St. Anne Floodplain Study, City of St. Anne, MO

*"…provided excellent project management for this project….**communication, commitment to schedule and cooperation with District** concerns is what the District desires, but does not always obtain, from consultants."*

Bill Ehrhard, PE – MSD Program Manager (Retired)