

3740 N. Josey Lane, Suite 123  
Carrollton, TX 75007  
Tel: (972) 533-3500  
E mail: mir.ali@mceworld.com

---

## **Background:**

After more than 30 years in the field of consulting engineering with medium and large size consulting firms. Mr. Ali decided to establish Mir Consulting Engineers, LLC (MCE), a multidiscipline engineering firm, the firm was registered in the state of Texas on March 8, 2007. MCE is currently HUB certified with the State of Texas, the DBE, MBE and SBA certification is in process.

MCE offers services in the following fields:

- Bridge design and engineering
- Roadway and highway design
- Traffic Engineering
- Municipal Engineering and Management
- Bridge inspections
- Construction inspection and oversight
- Forensic investigation
- Structural design of water related structures
- Parking structures design
- Light rail, transit and mono-rail structure design
- Heavy rail bridge design
- Retaining walls and noise barriers
- Wireless telecommunication infrastructure design, inspection and evaluation
- Telecommunication Consulting

In the project delivery process MCE principals develop close working relationships with the Project Managers and the clients/owners, to ensure completion of the quality projects within budget and schedule.

MCE welcomes the opportunity to introduce our firm and its many capabilities to you. We encourage you to call us to set up a meeting to discuss how we can help you to achieve your project goals.

**Mir H. Ali, P.E., Fellow ASCE**

## Transportation Engineering

MCE's experienced transportation engineers have a wide variety of experience in transportation engineering from preliminary design to construction support services. Areas of services include highways, airports, light rail and monorail.

- Preliminary design
- Value engineering
- Highway and roadway design
- Utilities coordination, relocation and design
- Multilevel interchange design
- Bridge layouts and design
- Retaining wall layouts and design
- Traffic control planning
- High Occupancy Vehicle Lane planning and design
- Signing and pavement markings
- Construction management
- Construction support services

## Structural Engineering

Our team of structural engineers has vast experience in design, inspection, forensic investigation and rehabilitation, and construction management, of various structures listed here:

- Highway bridges
- Railroad bridges
- Light Rail bridges
- Monorail structures
- Pedestrian bridges
- Culverts
- Overhead sign support structures
- Retaining walls
- Buildings
- Telecommunication towers
- Roof top antenna structures
- Oil and Gas related structures
- Sound Walls
- Pump stations
- Parking Garages
- Water towers
- On ground and below ground reservoirs
- Lift stations
- Treatment plants
- Transfer station
- Wharfs, piers and jetties
- Tunnels
- Temporary structures
- Concrete forms and supports

3740 N. Josey Lane, Suite 123  
Carrollton, TX 75007  
Tel: (972) 533-3500  
E mail: mir.ali@mceworld.com

---

## Traffic Engineering

Our traffic engineers have well rounded experienced in all facets of traffic engineering:

- Signal Design and Operations
- Large and small sign design for highways and roadways
- Pavement marking
- Traffic studies
- Level of service analysis
- Traffic control plans
- Construction phasing traffic management.
- Multi-Model facilities design

## **Construction Management and Inspection**

MCE's Engineers have extensive experience in the construction management and inspection of transportation, transit, water wastewater and building projects.

Services for construction management include:

- Constructability review
- Value Engineering
- Conduction pre-bid and pre-construction meeting
- Answering contractor questions before bidding
- Construction progress meetings
- Resident Engineering and inspection services
- Answering RFIs
- Claim analysis, evaluation and recommendations
- Shop drawing and submittal review and approval
- Estimating and scheduling
- Punch list preparation
- Project close out report
- As build drawings

3740 N. Josey Lane, Suite 123  
Carrollton, TX 75007  
Tel: (972) 533-3500  
E mail: mir.ali@mceworld.com

---

## **Municipal Services**

MCE has extensive experience serving municipal governments. Our multidisciplinary team provides innovative solutions to position our clients representing various sizes and populations.

### **Management Consulting**

- Organizational assessments
- Rate and fee studies
- Impact fees
- Budget planning
- Bond election planning and management
- Capital improvement programming and management
- Public meetings
- Staff training
- Web-based solutions

### **Capital Improvements Programs**

- Planning
- Water supply and distribution
- Program management
- Wastewater collection and treatment
- Drainage systems
- Municipal facilities
- Parks and recreational facilities
- Transportation systems
- Construction and construction management

### **Transportation Engineering/Planning**

- Transportation planning
- Street design and street condition assessments
- Traffic studies
- Safe Routes to School

### **Community Planning**

- Comprehensive plans
- Downtown revitalization
- Urban design
- Development agreement negotiation
- Development fee reviews
- Sustainability planning

### **Parks and Recreation**

- Parks, recreation and open space master planning
- Trail planning and park design
- Landscape architecture

## Telecommunications Infrastructure Design

MCE offers a wide range of A&E services to the telecommunication clients to help them develop, build and maintain their infrastructure facilities. We are committed to mobilize our teams of engineers and technicians to anywhere our client need them. We strive to find the optimum solutions for our client's needs to deliver the best results in a reasonable cost.

### A&E Services

- Structural, Electrical & Geotechnical PE's on staff
- Auto CAD technicians
- New Site and Existing Site
- Audits & Modifications (Site/Tower/Switch)
- Site surveys
- Structural Analysis
- Construction drawings
- Tower Analysis and design
- Roof top antenna structures analysis and design
- CD for standby generators
- Technical Project management
- Layout Design
- Detail Design - Civil, Structure & Foundation, Telecom, & Electrical
- Review As-Built plans
- Height Increase & Decrease
- Site-Structural Work