# Structural / Civil Engineering + Construction Management


## BRIDGES AND ROADWAYS

Rubinos &
Mesia
Engineers, Inc.

RME

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# ABOUT RME

RUBINOS & MESIA ENGINEERS, INC. (RME), a MBE, was established in 1982 as a Chicago based Structural / Civil Engineering and Construction Management Firm.

RME has established a reputation among leading Consultants by demonstrating its technical abilities and exceeding client expectations. RME's staff works diligently in a team environment to provide our clients with the highest quality product, on time and within budget. Our principals and staff have experience with a great variety of civil and structural projects. Over the years, RME has been the proud recipient of over 30 awards in various categories.

# RME AT-A-GLANCE

**RME** has...

> A large pool of Structural and Civil Engineers that have intimate design and evaluation experience.

> Demonstrated ability to successfully anticipate and navigate project challenges on a consistent basis.

> Successfully completed more than 2,000 projects.

> A well diversified project portfolio from over 34 years of experience.

> Built successful long-term relationships with numerous Agencies, Architectural and Engineering firms.

**Project Types**

Bridge Design / Reconstruction
Roadways
Rail Structures and Facilities
Mass Transit
Site Design
Airport/Aviation
Industrial Facilities and Utilities
Tunnels and Tunnel Structures
Water / Waste Water Facilities
Healthcare Facilities
Municipal Facilities
Residential
Historic Renovations & Rehabilitations
Educational Facilities: K-12 & Higher Ed.

RME
BUILDING ON SUCCESS

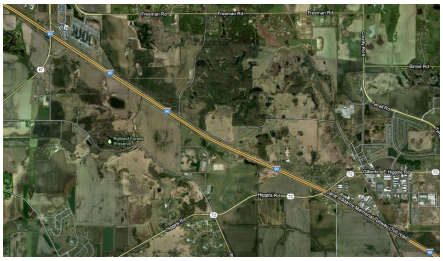
# Transportation Design Project Experience

RME has extensive experience in the design of bridges and roadways within within the State of Illinois and Surrounding States. Our design team has been working together with IDOT, ISTHA and Metra for over 25 years, and CDA and CDOT for 30 years on a variety of challenging transportation projects as both a Prime and Sub-consultant.

RME is Prequalified with IDOT and CDOT in the following categories:

- Structures-Highway: Simple
- Highways–Freeways, Roads & Streets
- Special Studies-Location Drainage
- Special Studies-Pump Stations
- Special Services-Sanitary
- Location Design Studies-Rehabilitation
- Elevated Transit Station Design*
- Structures-Highway: Typical
- Special Services-Architecture
- Special Studies-Traffic Studies
- Special Services-Electrical/Mechanical Engineering
- Special Services-Subsurface Utility Engineering
- Location Design Studies-Reconstruction/Major Rehabilitation
- Construction Engineering for Transit Project*
- Structures-Highway: Advanced Typical
- Structures-Railroad
- Special Services-Construction Inspection
- Special Studies-Traffic Signals

(*unique CDOT PreQual)



**Jane Addams Tollway Reconstruction and Additional Lane**

**RME** provided complete Structural and Civil design of the Powers Road Bridge, preparation of Maintenance of Traffic plans for I-90 and crossroads (Powers Rd. & IL. Rte 72) as well as utility coordination for 36 miles of the Western Corridor of the Jane Addams Memorial Tollway I-90.

**25th Avenue Bridge Over Addison Creek**

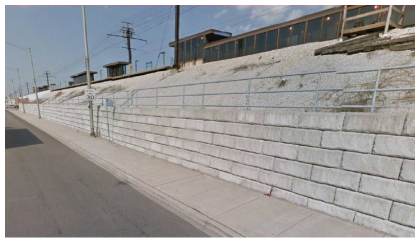
As **Prime** Consultant, **RME** was retained by IDOT to provide phase II professional Civil & Structural Engineering services related to the rehabilitation of the bridge. The scope of work also included the rehabilitation of the adjacent roadway.

**HSR Chicago-St. Louis Corridor E-2400 over UPRR**

**RME** provided Structural & Civil Engineering Services for Phase I & II Design. **RME** was charged with the design of the bridge structure for high speed rail impacts and all roadway elements including plan & profile, grading, utilities, maintenance of traffic, and all other related design.


**Jane Addams Memorial Tollway (I-90) and Systemwide, Design Services Upon Request**

As **Prime** Consultant, **RME** was part of the Design Upon Request Program. This contract required the preparation of contract plans for the reconstruction of 4 bridges, located on I-90 over the distance of about 80 miles from Chicago. **RME** prepared the contract plans and concept study for: US Route 23 over I-90, IL Route 20 over I-90, Bradley Rd. over I-90 & UP Railroad over I-90.



**METRA Retaining Wall Rehabilitation at Harvey Station**

**RME,** provided Structural and Civil Engineering services for the design and detail of a new retaining wall to replace the existing crib wall.

**IDOT I-55 at Lake Shore Drive Curved Bridge**

**RME** prepared contract plans for the rehabilitation of two bridge structures. Design and detailed drawings were prepared for a complete replacement of deck and parapet for structure No. 016-1055 and for a complete new bridge for structure No. 016-1052.

**METRA CREATE Program - Project 1**

**RME** was responsible for the design of the following: all of the 59th Street bridge, complete two span Flyover bridges over 63rd carrying two tracks with spans of 124' and 115', a bridge carrying a single track with spans of 138' and 106' and several retaining walls.

**Chicago Road Bridge over Little Calumet River**

As **Prime** Consultant, **RME** was retained by IDOT to provide phase II professional Civil and Structural Engineering services related to the rehabilitation of the bridge. The scope of work consisted of total removal and replacement of the existing bridge.


**METRA Belmont Ave. Grade Separation**
**RME** provided Structural and Civil Engineering services for this project. Civil Engineering services included layout of site, parking layout, design of storm drainage, underground detention design, coordination with utilities roadway and ramp plans. Structural Engineering services included complete design of retaining walls and coordination with roadway and ramp plans.

**OMP Retaining Walls North & South of Franklin Ave.**
**RME** prepared the design package with complete set of drawings with all required notes, specifications, estimated quantities and costs for new retaining walls on both sides of Franklin Avenue to support the embankment supporting UPRR railroad tracks.

**Dixie Highway Over Butterfield Creek**
As a **Prime** Consultant, **RME** was retained by IDOT to provide phase II professional Civil and Structural Engineering services related to the reconstruction of the roadway bridge and adjacent roadways.

**Lincoln & Main Street, Road and Large Box Culvert Reconstruction, Lawndale, IL**
**RME** was responsible for the proposed roadway geometry within limited Right-of-Way, drainage analysis, hydraulic analysis of the stream and culverts, and structural design of the culvert.

**OMP Relocation of Irving Park Road**
As part of the O'Hare Modernization Program (OMP), **RME** was tasked with the horizontal and vertical design of the relocated Irving Park Road and the design of the intersection with Taft Road and the adjacent South Cargo Access Road. RME also was responsible for Right-of-Way and survey control recommendations. The Airport project was designed in strict accordance with IDOT specifications.

**METRA Reconstruction of New Lenox Bridge 339 Culvert**
**RME's** scope of work included the preparation of bid documents including design drawings, specifications and cost estimates for the removal and replacement of an existing culvert.

**Powers Road Bridge Crossing Over I-90**
**RME** provided Structural and Civil Engineering services for Powers Road, a 2 lane asphalt Roadway maintained by Rutland Township. The improvement included complete removal and replacement of the existing Tollway bridge plus reconstruction of the approaches.

**Bridge Rehab Program TriState Tollway (I-294)**
As a **Prime** Consultant, **RME** was part of the overall Bridge Rehabilitation Program. This contract required the preparation of contract plans for the rehabilitation of 6 bridge structures, located on TriState Tollway (I-294) over the distance of about 58 miles.

# CONTACT

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