

Structural / Civil Engineering + Construction Management



WATER / WASTE WATER

Rubinos &
Mesia
Engineers, Inc.



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

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



Water / Waste Water Design Project Experience

RME has tremendous experience in the structural and civil engineering design of water and waste water facilities throughout the Chicagoland area. Our engineers are familiar with and adept in following a variety of agency design requirements for projects involving: Tunnels and Reservoirs, Water Reclamation Facilities, Pumping Stations, Purification Plants, Drainage, Sewers and Water Resources.



Stickney Water Reclamation Plant Sludge Thickening Project

RME is providing Architectural and Structural services through the construction phase. The purpose of the Stickney sludge thickening project is to implement improvements at the Stickney WRP.



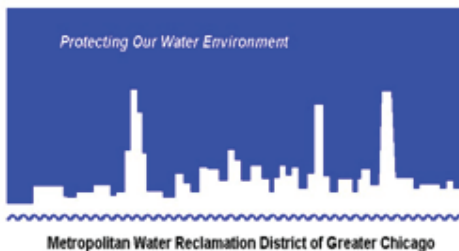
Albany Park Stormwater Diversion Tunnel

RME provided Structural Engineering services for this project located on the north side of Chicago. The tunnel is oriented along W. Foster Avenue, and extends from the Chicago River - North Branch on the west to the North Shore Channel on the east.



Central Park Pump Station - Building Envelope Rehabilitation

As Prime Consultant, RME provided Architectural and Engineering services for this historical pump station.



MWRD Task Order Services

As Prime Consultant, RME provided Professional Civil and Structural consulting services for a three-year period.



Chicago Department of Water Management Sewer Design Services

As Prime Consultant, RME is providing Civil and Structural Engineering services for the Chicago Department of Water Management (DWM), Sewer Improvement Program.



Jardine Filtration Plant Administration Building Roofing Project - Chicago DWM.

RME provided Structural Engineering services through the construction phase for assessing the structural capacity of the existing roof structure and providing loading criteria for the installation of a new green roof to the Jardine Water purification Plant.



OMP North Detention Basin & Drainage at O'Hare International Airport

RME was part of the overall O'Hare Modernization Program (OMP) providing Structural Engineering services for all components of the project.



Lemont Pump Station and Force Mains

RME provided Design, Final Detailed Design, Contract Document Production, and the Bid & Award Phase for a Pump Station and Force Mains, a Wet Weather Reservoir, and a Wet-Weather Treatment Facility, at the Lemont Water Reclamation Plant (LWRP).



MWRD Tunnel Project Tunnel A-B, C-D and Connecting Tunnel at Stickney WRP

As **Prime** Consultant, RME provided Structural background drawings and was responsible for surveying and documenting the tunnels for existing structural members, piping, conduits, pipe racks, etc. inside the subject tunnels and underground utilities.



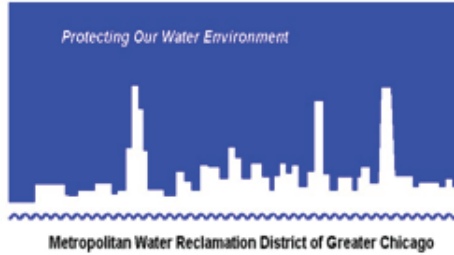
Thornton Composite Reservoir Final Prep

RME provided Structural Engineering services for almost all the structural components of the project, including approach slab, drop shaft, portal, tunnels, plunge & deaeration structure tunnel plugs. This Reservoir is part of the MWRDGC's Tunnel and Reservoir Plan (TARP).



Torrence Ave Tunnel and Pumping Station

RME provided preliminary design and evaluation studies of the proposed Tunnel Facilities for MWRDGC.



39th Street Conduit Rehab, Phase I Bypass Tunnel

RME provided Structural Engineering services to perform preliminary design and prepare plans and specifications for the construction of a large diameter deep tunnel and associated connecting structures, sewers and drop shafts to divert flow from the service area to allow for rehabilitation of the 39th Street Conduit for MWRDGC.



Central Park Pump Station Electrification Project

RME provided Structural and Civil Engineering and Architectural services. The project included conversion of 100 years old steam powered facility to an electric powered facility and refurbishment of two 60-mgd and three 80-mgd, 60+ years old centrifugal horizontal split case pumps. The Structural work consisted of designing three new buildings and upgrading four existing buildings.



Calumet Water Reclamation Plant Disinfection Facility

RME provided Structural Engineering services for the design of the Disinfection Chemical Building. The new facilities will consist of sodium hypochlorite for chlorination and sodium bisulfite for dechlorination.



South Water Purification Plant - Condition Assessment Reports

RME performed site visits and prepared Condition Assessment Reports for the South Water Purification Plant in accordance with the Design Engineering Services Term Agreement.



Terrence J. O'Brien Water Reclamation Plant UV Disinfection Facility

RME provided Structural Engineering services for O'Brien WRP. The project included the design and construction of facilities to disinfect waste water effluent flows up to 530 MGD using ultraviolet light.

CONTACT

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