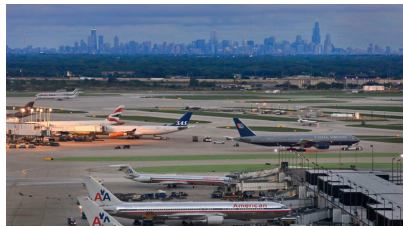


# Structural / Civil Engineering + Construction Management



AIRPORT / AVIATION

Rubinos &  
Mesia  
Engineers, Inc.



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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.

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## 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**

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



# Aviation Design Project Experience

RME has broad expertise in Structural / Civil Engineering and Construction / Program Management for Aviation design projects. Our engineers and managers have extensive experience in various design and construction projects from concept design, detail design and estimating to construction administration and punch list throughout O'Hare and Midway International Airports. RME has established experience in the following areas:

- Landside Civil/Site design and construction
- Civil & Structural Design of Various Terminal Expansions and Modifications
- Civil & Structural Design of Various Infrastructures such as Utility Tunnels, Pedestrian Tunnels, Lift Stations and Utilities.
- Airside Runway/Taxiway Pavements and Utilities
- Extensive knowledge and experience on Construction staging that is required while keeping operational disturbances to a minimum for the particular location of the project within the Airports.

RME is one of the few selected engineering service providers to the Chicago Department of Aviation (CDA) for both federally and non-federally funded under current task order projects. RME has worked with the CDA since 1989 on both landside and airside projects and has become very familiar with the project design and construction requirements at both O'Hare and Midway Airports.



## CDA O'Hare Chillers 1-5 Replacement

As **Prime Consultant**, RME is providing Architectural, Structural, Civil, Mechanical & Electrical services for the replacement of chillers 1 thru 5 at O'Hare International Airport.



## Midway Airfield Lighting Infrastructure Improvements



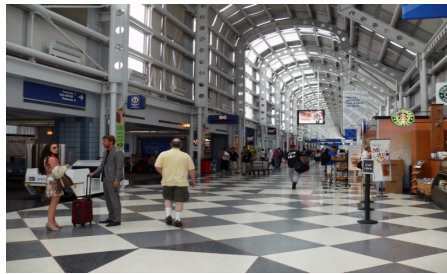
## OMP East Cooling Tower Basin and Sump

RME provided Structural and Civil Engineering services for the design of the new East Cooling Tower Basin and Sump.



## OMP Relocation of Irving Park Road

RME was part of the O'Hare Modernization Program (OMP) project to realign Irving Park Road to accommodate the proposed 10R-28L runway and associated taxiways.



## CDA O'Hare Terminal 1 - HVAC Upgrade

As **Prime Consultant**, RME provided Engineering Design Management and services for the Terminal 1 HVAC upgrades project.



## O'Hare International Airport Terminals 1, 2 & 3

RME was retained by Murphy/Jahn Architects and the Chicago Department of Aviation to provide Structural and Civil Engineering services for this expansion project at the O'Hare Airport.



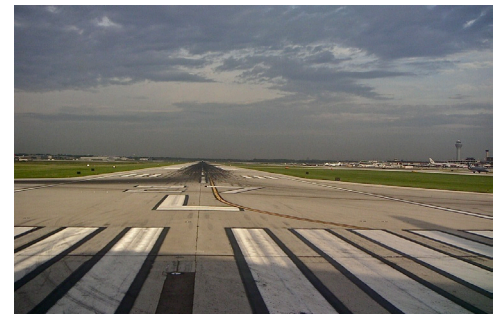
## OMP South Airfield Traffic Control Tower

RME provided Civil Engineering services including the design of a new Main Cargo Road, Lufthansa Cargo Parking Lot, all associated utilities, and all roadway and parking lot drainage.



## CDA Miami Beach Sanitary Lift Station

As **Prime Consultant**, RME provided Complete Engineering services for this project. The Miami Beach Sanitary Lift Station functions as the collection point of sanitary waste for Terminal 1 and the Hilton Hotel at O'Hare Airport.



## OMP Extension of Runway 9R-27L

As a part of the joint venture, Chicago Aviation Runway Designers (CARD), RME participated in the 3,593'x150' western extension of the existing 9R-27L Runway, two parallel taxiway extensions and a third taxiway will be constructed south of the runway.



### Midway Airport Landside Parking Lot Improvements

As **Prime** Consultant, **RME** provided full Civil Engineering Design services for a 5.9 acre revenue generating parking facility and a 1.8 acre commercial vehicle lot. Architectural and Structural Engineering was also provided for the design of a convenience building.



### O'Hare International Airport Terminal 1 Bag Room Flooding Investigation

**RME** prepared preliminary design report outlining O'Hare International Airport flooding problems at the CTA Service corridor and Terminal 1 Bag Room as to prevent future flooding of I-190 under the Taxiway A and B bridges, in the CTA Blue Line O'Hare station.



### OMP UPRR Bridge Structure over UPRR & METRA Tracks

As part of the O'Hare Modernization Program (OMP) project to realign UPRR tracks to accommodate new runways, **RME** prepared the bridge design documents including a complete set of drawings with all required notes, specifications, estimated quantities and costs.



### O'Hare Airport Air Handling Unit Replacement at Rotunda and H-K Concourse

**RME** performed Structural Engineering Design and evaluations for various buildings at O'Hare International Airport.



### O'Hare Airport Aircraft Rescue and Fire Fighting Station #2 Relocation

**RME** performed Structural Engineering Design Services.



### Midway Taxiways A & P

**RME** was responsible for the storm drainage and taxiway pavement sub-drain design, erosion control and sediment control design, storm water detention analysis and requirement review, as well as evaluating existing underground manholes for aircraft loading.



### OMP Retaining Walls North & South of Franklin Ave.

**RME** prepared a design package including a 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.



### O'Hare Terminal 3 Rotunda Link

**RME** provided Structural Engineering services for the design of this structure. This is a two story structure connecting Terminal 3 to the existing Rotunda Building.



### 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.

## CONTACT

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