



MBJ | MEYER
BORGMAN
JOHNSON

STRUCTURAL ENGINEERING SERVICES

AVIATION

100+ PERSON
MULTI-SPECIALTY TEAM

8 OFFICE LOCATIONS
MINNEAPOLIS | CHICAGO
DULUTH | GREEN BAY
MADISON | PHOENIX
ROCHESTER | SAN FRANCISCO

LICENSED
IN
49
U.S. STATES
+ DISTRICT OF
COLUMBIA
+ ALBERTA, BRITISH
COLUMBIA, ONTARIO,
AND SASKATCHEWAN,
CANADA



PROJECTS
at **39**
AIRPORTS

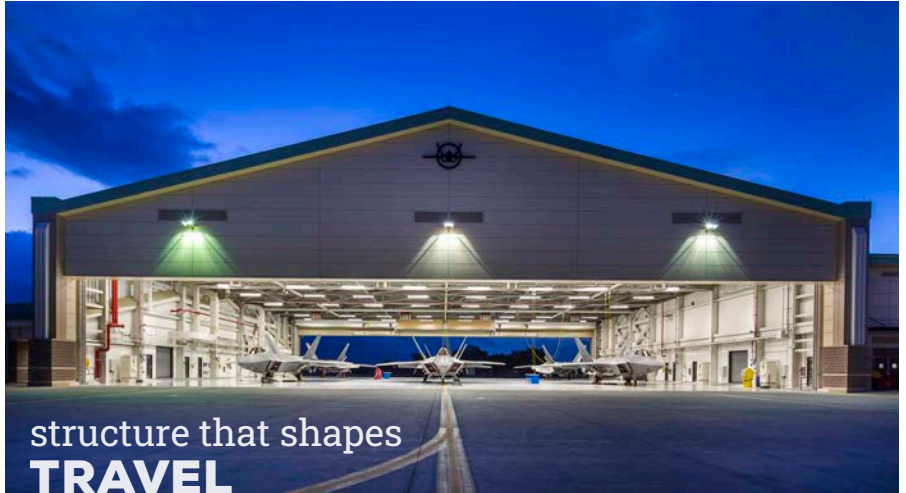
600+
AVIATION
PROJECTS



AVIATION EXPERTISE

Our 40+ years of aviation experience includes terminals, concourses, baggage handling, hangars, passenger loading bridges, skyways, parking ramps, energy systems, security, maintenance, and operations facilities.

40+
YEARS *of*
**AIRPORT
EXPERIENCE**

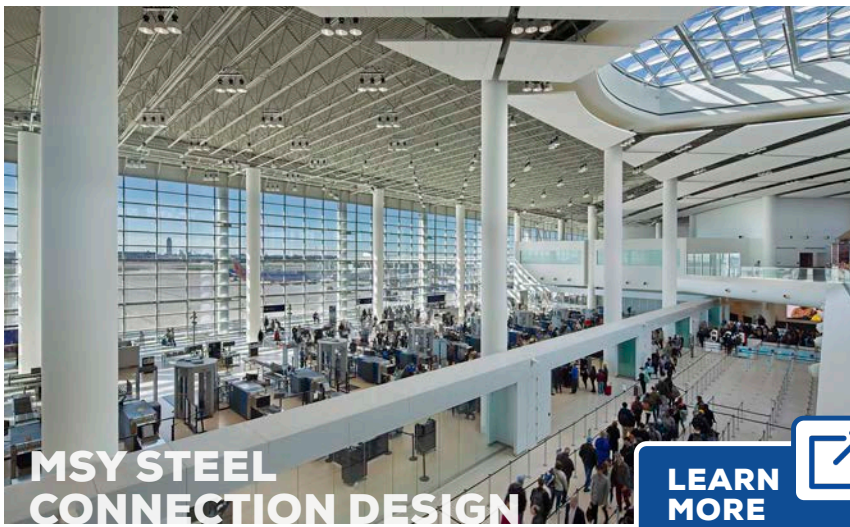


We work with airport administrators and staff, architects, consultants, and government groups, such as the FAA, TSA, and state transportation departments to provide structural engineering services that are timely, cost effective, and constructible.



at
39
AIRPORTS

NATIONAL AVIATION EXPERIENCE



SELECT AIRPORTS

Ames Municipal Airport (AMW)

Ames, IA

Augustana Regional Airport (AGS)

Augustana, GA

Chandler Municipal Airport (CHD)

Chandler, AZ

Detroit Metropolitan Wayne County Airport (DTW)

Detroit, MI

Duluth International Airport (DLH)

Duluth, MN

Idaho Falls Regional Airport (IDA)

Idaho Falls, ID

Louis Armstrong New Orleans Airport (MSY)

New Orleans, LA

Moore County Airport (SOP)

Whispering Pines, NC

Newark Liberty Airport (EWR)

Newark, NJ

Norman Y. Mineta San Jose International Airport (SJC)

San Jose, CA

O'Hare International Airport (ORD)

Chicago, IL

Quad Cities International Airport (MLI)

Moline, IL

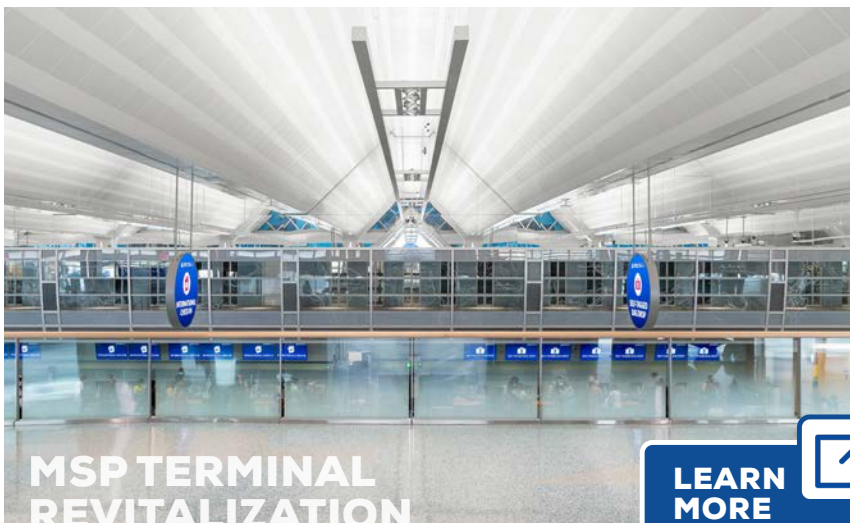
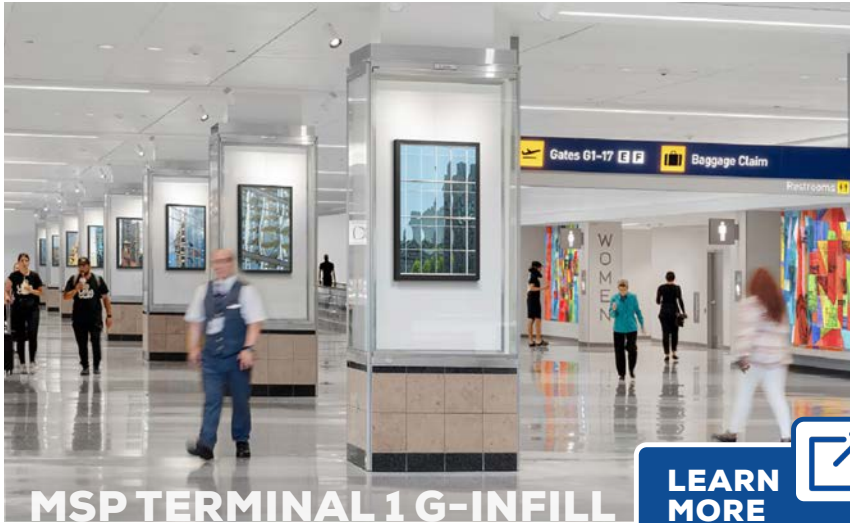
Range Regional Airport (HIB)

Hibbing, MN

Ronald Reagan Washington National Airport (DCA)

Arlington, VA

MSP AVIATION EXPERIENCE



500+
MSP PROJECTS
IN **30** YEARS

KEY PROJECTS

MSP Revitalization Program

Multiple Projects

MSP Terminal 1 Folded Plate Roof Repair

Terminal 1

MSP Terminal 2 Hubert H. Humphrey International Airport (original design - 1986, expansion - 2001)

Terminal 2

MSP Terminal 2 North Expansion (2024 - in construction)

Terminal 2

MSP Aircraft Rescue and Firefighting Facility (ARFF)

St. Paul, MN

MSP Delta Concourse C Skyclub

Terminal 1

MSP Southwest Expansion

Terminal 2

MSP Concourse A-G Connector Bridge

Terminal 1

MSP Terminal 1 East Curbside Check-in

Terminal 1

MSP Trades Building Solar Panels

Terminal 1

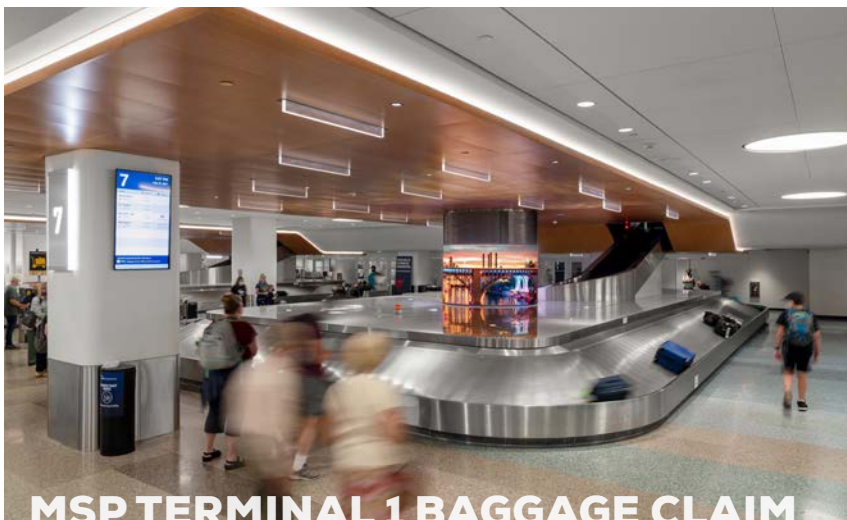
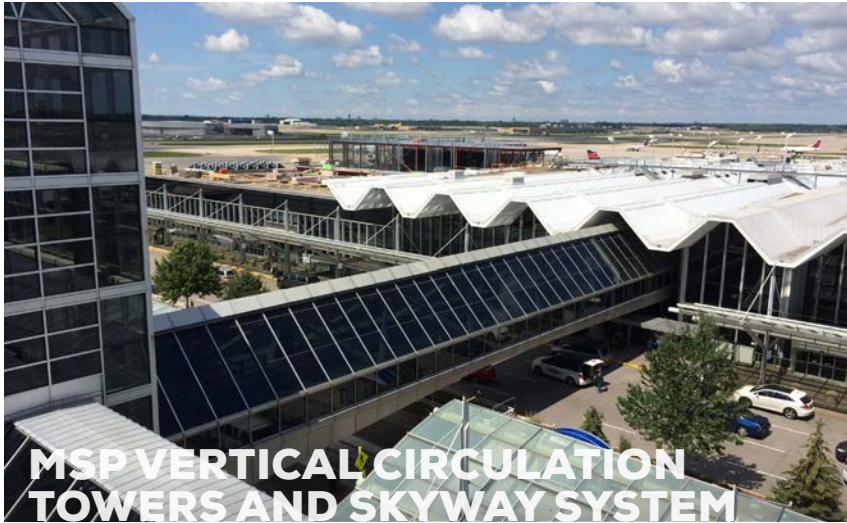
MSP Terminal 1 G-Infill

Terminal 1

MSP MAC Storage Facility

St. Paul, MN

MSP AVIATION EXPERIENCE



MAC Safety and Security Center

St. Paul, MN

MSP Parking Management Building

Terminal 1

MSP Vertical Circulation Towers and Skyway System

Terminal 1

MSP Naval Air Reserve Center

St. Paul, MN

MSP Campus Building Roof Replacements

Terminal 1

MSP East Curbside Check-in

Terminal 1

MAC Perimeter Gate Security Improvements

St. Paul, MN

MSP Food Court Expansion

Terminal 1

MSP Delta Gate Lounge Power Poles

Terminal 1

MSP Terminal 2 Checkpoint Expansion

Terminal 2

MSP Rental Auto Companies - Customer Service Building

Terminal 2

MSP Energy Management Center Additions

Terminal 1

MSP Restroom Upgrade Program

Terminal 1

MSP Checked Baggage Inspection System (CBIS) Integration

Terminal 1

Terminal 1 Baggage Claim

Terminal 1

AVIATION PRACTICE LEADERSHIP



BRION SZWED
PRINCIPAL, TECHNICAL DIRECTOR

BOS - Logan Airport Bird Island Flats General Aviation Terminal* | Boston, MA
AMW - Ames Municipal Airport New Terminal | Ames, IA



JEFF ANDERSON
ASSOCIATE, STRUCTURAL ENGINEER

MSP - Minneapolis-St. Paul Intl Airport, Terminal 1 Operations Improvement Program | St. Paul, MN
MSP - Minneapolis-St. Paul Intl Airport, Concourse G Gate Infill | St. Paul, MN



DAN SWIATEK
PRINCIPAL, OFFICE LEADER

CID - Eastern Iowa Airport Terminal Modernization Program | Cedar Rapids, IA
MSP - Minneapolis-St. Paul Intl Airport Concourse G Expansion | St. Paul, MN



LEE FRITZ
PRINCIPAL, OFFICE LEADER

ORD - O'Hare Intl Airport, Terminal 3 AA H/K Concourse Upgrade Design | Chicago, IL
PIT - Pittsburgh Intl Airport Terminal Modernization Program* | Pittsburgh, PA



JAMES NEWHALL
ASSOCIATE, STRUCTURAL ENGINEER

PHX - Phoenix Sky Harbor Intl Airport Emergency Command Center* | Phoenix, AZ
PHX - Phoenix Sky Harbor Intl Airport Terminal 3 West Expansion* | Phoenix, AZ



JESSICA BRADLEY
ASSOCIATE, BIM DIRECTOR,
OFFICE LEADER

MSP - Minneapolis-St. Paul Intl Airport, Concourse G Infill Pods 2-3 | St. Paul, MN
MSP - Minneapolis-St. Paul Intl Airport, Safety and Security Center | St. Paul, MN



MEGHAN CRONIN
ASSOCIATE, STRUCTURAL ENGINEER

FWA - Fort Wayne Intl Airport Terminal Building Improvements, West and East Building Expansion | Fort Wayne, IN
CID - Eastern Iowa Airport Terminal Modernization Program | Cedar Rapids, IA



ZACH TREECE
STRUCTURAL ENGINEER

CMH - John Glenn Columbus Intl Airport Terminal and Concourse* | Columbus, OH
PIT - Pittsburgh Intl Airport Terminal Modernization Program* | Pittsburgh, PA

* Project completed with other firm

SELECT AVIATION EXPERIENCE



Minneapolis-St. Paul International Airport,
Concourse G Infill
St. Paul, MN



MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT CONCOURSE G

The Minneapolis-St. Paul International Airport Concourse G Renovation and Expansion modernized and expanded the east end of the concourse to accommodate increased passenger volumes, enhanced airline amenities, and evolving airport operational requirements. The approximately 157,000-square-foot expansion created new public space integrated with the existing terminal, including gate areas, concessions, retail, enhanced passenger amenities, and a new Delta Sky Club. As Structural Engineer of Record, MBJ designed strategic structural retrofits and reinforcements within the existing facility, enabling the expansion while maintaining uninterrupted airport operations throughout construction.

Design-Bid-Build

**148,000 SF addition | 300,000
SF renovated space | 11
affected gates**

Cost: \$310M

Location: St. Paul, MN

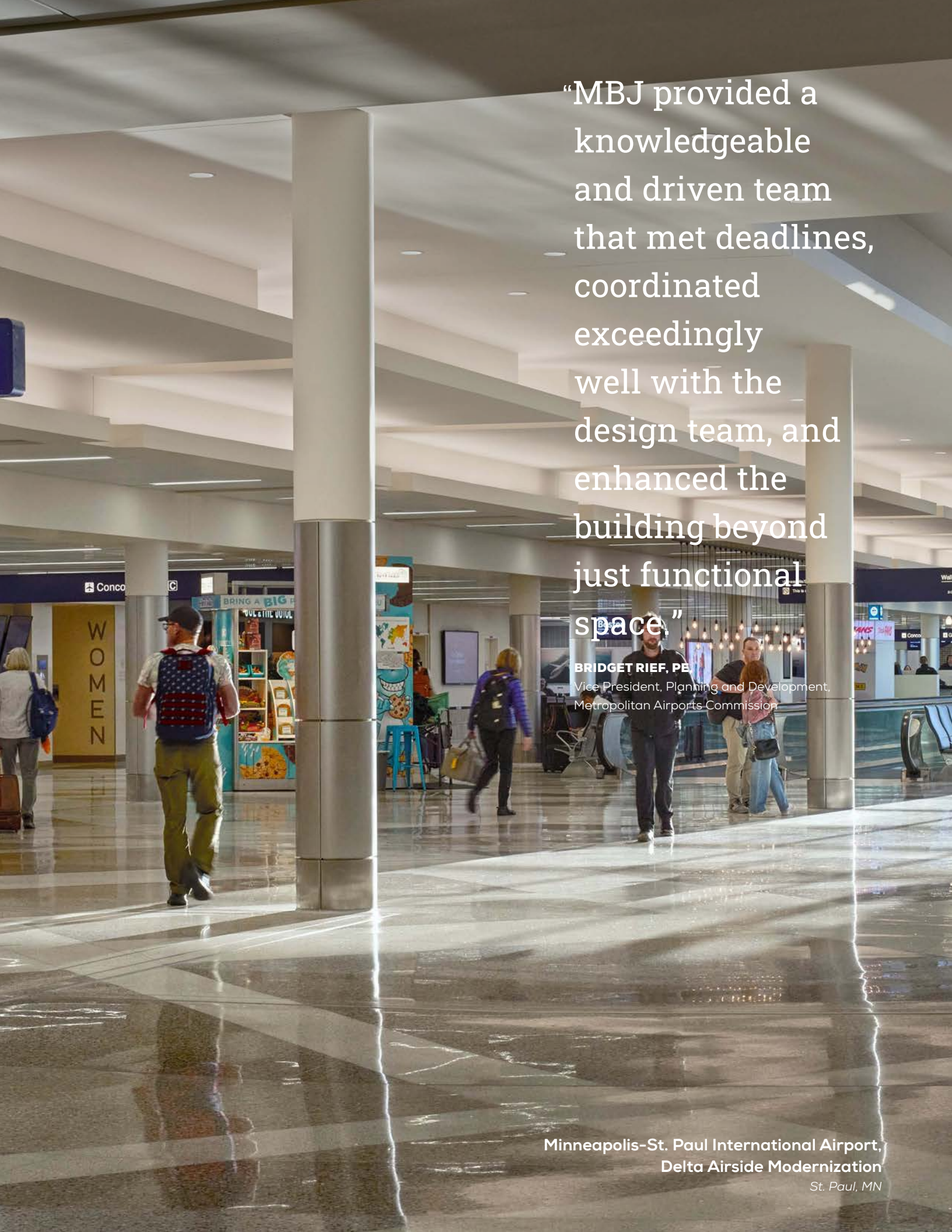
Owner: Metropolitan Airports
Commission

Architect: Alliance

Contractor: Morcon Construction

Duration: 2020 - 2027

Certification: Pursuing LEED Gold



“MBJ provided a knowledgeable and driven team that met deadlines, coordinated exceedingly well with the design team, and enhanced the building beyond just functional space.”

BRIDGET RIEF, PE

Vice President, Planning and Development,
Metropolitan Airports Commission

Minneapolis-St. Paul International Airport,
Delta Airside Modernization

St. Paul, MN



MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT TERMINAL 2 NORTH CONCOURSE EXPANSION

The Minneapolis-St. Paul International Airport Terminal 2 North Concourse Expansion expands terminal capacity and modernizes the passenger experience through new gates, enhanced waiting areas, dining and retail offerings, and inclusive traveler amenities. As Structural Engineer, MBJ is advancing the project's sustainability goals through the innovative use of cross-laminated timber (CLT), mass timber framing, and low-carbon concrete as part of its pursuit of LEED Gold certification.

Design-Bid-Build

168,000 SF addition | 4 gates

Cost: \$225M

Location: *St. Paul, MN*

Owner: *Metropolitan Airports
Commission*

Architect: *Miller Dunwiddie*

Contractor: *Morcon Construction*

Status: *2027 (est.)*

Certification: *LEED Gold*



MSP

**LEARN
MORE**



MINNEAPOLIS-ST. PAUL INTERNATIONAL AIRPORT REVITALIZATION PROGRAM

The Minneapolis–St. Paul International Airport Revitalization Program began a multi-year renovation to meet future passenger demand, with Phase 1 upgrading ticketing, baggage systems, and arrivals/departures amenities. MBJ provided structural and protective design solutions, including a slim interstitial system to increase baggage capacity and support The Aurora art installation, improving both functionality and passenger experience.

Design-Bid-Build

330,000 SF | 17 projects

Cost: \$400M

Location: *St. Paul, MN*

Owner: *Metropolitan Airports
Commission*

Architect: *Alliance*

Duration: *2016 - 2025*

Certification: *LEED Gold*



FWA

FORT WAYNE INTERNATIONAL AIRPORT EAST AND WEST EXPANSION

The Fort Wayne International Airport terminal expansion modernized key spaces to meet current demand while improving passenger experience and long-term flexibility. Upgrades included renovated ticketing and concourse areas, expanded curbside coverage, improved utilities and baggage systems, and enhanced accessibility features.

191,000 SF | East and West Expansion

Cost: \$110M

Location: Fort Wayne, IN

Owner: Fort Wayne Airport Authority

Architect: Mead & Hunt

Status: West phase completion: 2023 | East phase completion: 2026



DLH

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MORE**



DULUTH INTERNATIONAL AIRPORT TERMINAL

The Duluth International Airport Terminal Replacement transformed the passenger experience with a new LEED Silver terminal inspired by the natural beauty of the Lake Superior region. MBJ provided structural engineering for the composite steel-framed facility, optimizing the structural system for cost, acoustics, and future expansion while supporting the project's distinctive pavilion and terminal architecture.

Design-Bid-Build

**110,000 SF addition |
replacement terminal**

Cost: \$60M

Location: Duluth, MN

Owner: Duluth Airport Authority

Architect: RS&H

Contractor: Kraus-Anderson

Status: Completed 2013

Certification: LEED Silver

Awards: 2013 Engineering News
Record Midwest Best Airport/Transit
Project; 2013 Finance and Commerce
Top Project



MBJ | MEYER BORGMAN JOHNSON

WE LOOK FORWARD TO CONTINUING
THE CONVERSATION.

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mbjeng.com