



**CONCRETE**

**THE BRIGHT CHOICE**



**AVIATION**



“HMI was established in May of 1973 as a company called Home Menders Inc. By 1975, our company expanded to commercial construction and also entered the aviation industry specializing in airport construction. We’ve continued ever since, serving clients and projects, across 15 states and over 30 airports.”



HOME MENDERS, INC.  
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JEFFREY WIDNESS  
FOUNDER & PRESIDENT



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HMI’s project management approach begins with careful consideration and research. We spend a great deal of time reviewing the project with the owner and engineer to ensure it is planned for efficiency and cost savings. Familiarity with the project work and its schedule is essential for all parties to ensure the project will be conducted safely, on time, and on budget. HMI maintains close coordination throughout the project to ensure this philosophy continues.

When working on a project, we pay close attention to the details of the work to detect any cost savings or to identify the need for modifications to provide a more efficient product. Our personnel are equipped to provide fabrications in the field to achieve this efficiency.

Always striving to place quality workmanship first, HMI will provide you with a quality product on time and on schedule. Please contact us today and allow HMI to review your needs and assist with implementing your systems.

Jeffrey M. Widness  
Founder and President



# CONCRETE SERVICES

**BUILDING QUALITY  
STRUCTURES  
AND LASTING  
RELATIONSHIPS  
FOR OVER 40 YEARS**



# **BASED ON OUR RELATIONSHIPS IN THE DEVELOPMENT, DESIGN, AND CONSTRUCTION INDUSTRIES, WE HAVE THE ABILITY TO LEAD A TEAM TO MEET THE SPECIFIC REQUIREMENTS OF YOUR PROJECT.**

HMI self-performs structural concrete work on sophisticated projects ranging from schools to showroom floors, to retaining walls, commercial buildings and more. Our crew's precision work, absolute attention to quality and detail, and our commitment to meeting important deadlines and project specifications makes HMI a valued partner in construction projects locally and nationwide. We also use a laser screed for placing concrete to ensure precision and the highest quality construction.

After establishing a comprehensive plan for each project, HMI will lead the project team in executing that plan efficiently and effectively. The experience of our staff is integrally valuable in helping the team to determine the best methods, techniques and practices at each step. Our clients want and receive quality cost-effective construction services that provide a high level of accountability and facility functionality. Some of the concrete construction services we offer include:

- FOUNDATIONS**
- FOOTINGS**
- RETAINING WALLS**
- FLAT WORK**
- BRIDGE CONSTRUCTION**
- DECORATIVE CONCRETE**

Our company provides services for

- PRIVATE BUSINESS**
- CITY INFRASTRUCTURE**
- SCHOOLS & COLLEGES**
- OFFICE BUILDINGS**
- COMMERCIAL SITES & WAREHOUSES**





## LASER SCREED. FOR PRECISION AND QUALITY.

HMI utilizes the latest technology with the Somero S485 Laser Screed system. Why use laser screed? Screeding concrete has come a long way from the basic 2x4. Laser screed has set new standards for accuracy and productivity. Our screed uses lasers to identify and place concrete automatically to specified elevations. The laser screed also combines both placement and strike off in a single step with heads that incorporate plow, auger, and vibrator, enabling it to spread fresh concrete and set it precisely in a single pass.

The laser screed allows our crews to work faster and flatter without the need for rakers. It allows our crews to screed in any direction and screeds on elevated slabs or on grade. It is 3D capable for contour paving as well.



## HERMANTOWN SCHOOLS HERMANTOWN, MINNESOTA

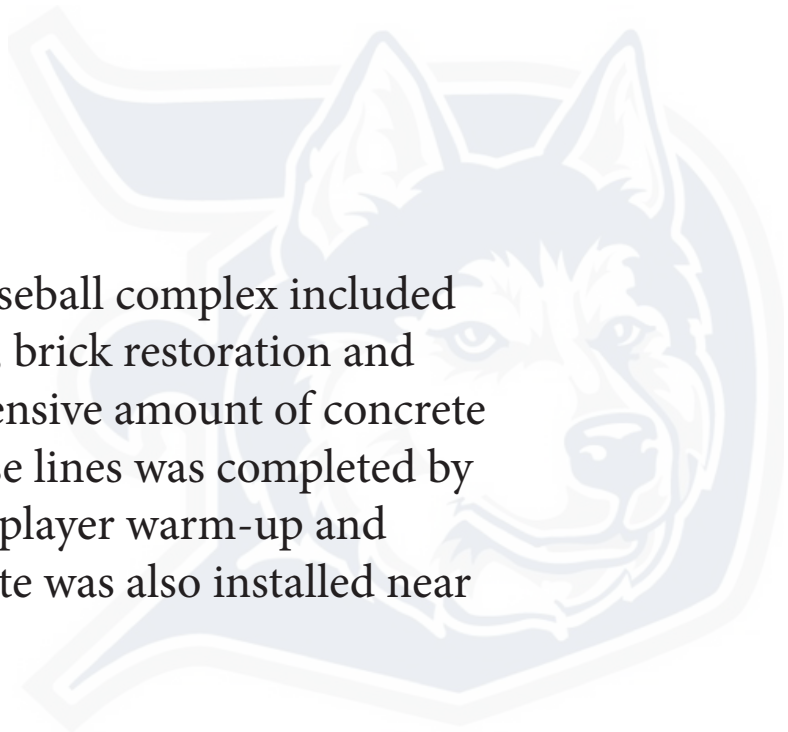
The two year project to construct the 135,000 square foot new high school addition consisted of classrooms, gymnasiums, theatrical spaces, dining areas, musical rooms and an auditorium. The 24,000 square foot elementary school addition included classrooms and a new gymnasium. Cast-in-place foundations, slabs, structural floor toppings and poured concrete stair systems were all completed by HMI.





## **WADE STADIUM DULUTH, MINNESOTA**

The rehabilitation of the historic baseball complex included new artificial turf, stadium lighting, brick restoration and exterior site improvements. An extensive amount of concrete flatwork outside the 1st and 3rd base lines was completed by HMI. These areas are now used for player warm-up and spectator events. Decorative concrete was also installed near the entry to the stadium.







## **CONGDON BOULEVARD DULUTH, MINNESOTA**

Following the summer of 2012 flooding in Duluth, Congdon Boulevard suffered slope, storm pipe, and guardrail failures at several locations. HMI was tasked by the city with the repairs needed to make sure these failures were properly addressed and fixed. The scale of the project was extensive and the finished product was as fully functional as it is visually appealing with the natural beauty of Duluth's lakeshore.



# AVIATION SERVICES

**A TRUSTED PARTNER  
WITH OUR NATION'S  
AIRPORTS  
FOR OVER 40 YEARS  
OF QUALITY SERVICE**

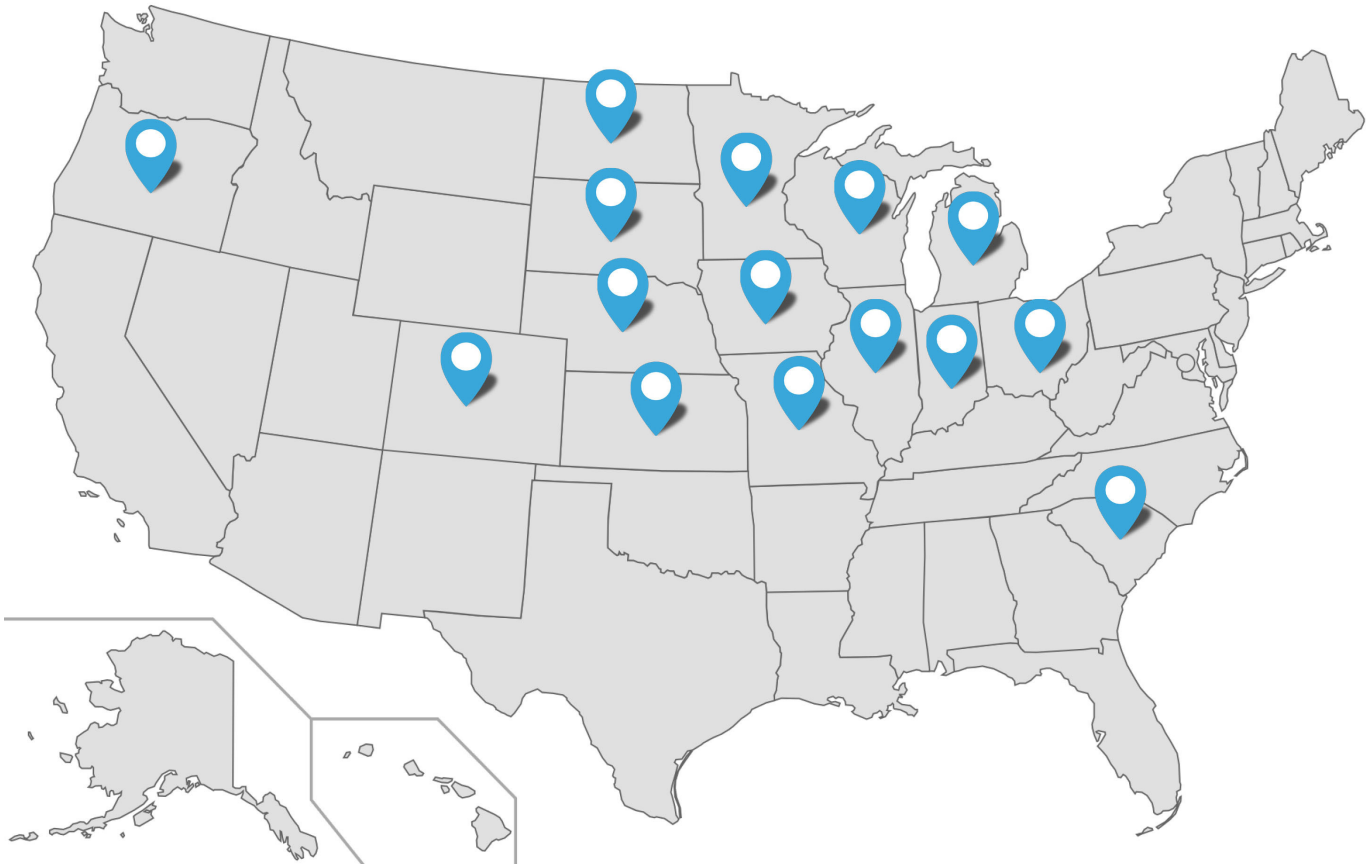


# ON TIME. ON TRACK. ON BUDGET.

HMI began specializing in airport construction in 1975 and has serviced over 30 airports nationwide since then, from approach lighting to complex systems and service areas. We are accustomed to working with airport schedules, realizing air carrier flights, weather, and special events all may impact our projects. Regardless, we complete each project on time and with the highest concern for safety. Each employee is trained with knowledge about airfield communications and compliance with airfield security requirements. All of this is why we've never had an incursion or site accident in 40 years of service on our nation's airports.



## HMI's NATIONAL AVIATION FOOTPRINT



We are known for our technical excellence and ability to carefully balance the range of technical, engineering, and architectural construction costs, client requirements, and standards of practice. Our capabilities enable us to take airport projects and airfield navigation projects from planning through construction, positioning us as an industry leader that can offer our clients peace of mind, knowing their expectations, goals, and needs will be met.

We take pride in our past performance on both commercial and military airports and related contracts, and in our ability to deliver contracted work on time and within budget.



Since 1975, America's airports have entrusted HMI with the installation of crucial navigation systems and more. HMI provides the following services for commercial and military airports across the nation, including Chicago-O'Hare, Minneapolis-St. Paul, Duluth, Milwaukee, Cleveland, and other connecting points across the country.

## **AIRPORT APPROACH LIGHTING SYSTEMS (ALS)**

ALS is a highly complex lighting system designed to significantly enhance the safety of aircraft operations, installed on the approach end of an airport runway and consisting of a series of lightbars, strobe lights, or a combination of the two that extends outward from the runway end. ALS usually serves a runway that has an instrument approach procedure (IAP) associated with it and allows the pilot to visually identify the runway environment and align the aircraft with the runway upon arriving at a prescribed point on an approach.

## **AIRCRAFT ARRESTING SYSTEMS**

Land-based military airfields operating fighter or jet trainer aircraft use arresting gear systems, although they are not required for all landings. Instead, they are used for landing aircraft on short or temporary runways, or for emergencies involving brake failure, steering problems or other situations in which using the full length of the runway is not possible or safe.

## **NAVIGATION SYSTEMS**

The ILS has been the mainstay of landing navigation aids for well over 50 years. The modernized versions used by the FAA provide aircraft with precision vertical and horizontal navigation guidance information during approach and landing. Associated Marker Beacons and/or Low Power Distance Measuring Equipment (LPDME) identify distance to the runway. The attractiveness of ILS lies in the economy of its avionics costs and its wide international acceptance.



### **HIGH INTENSITY APPROACH LIGHTING SYSTEM (ALSF) II INSTALLATION DULUTH INTERNATIONAL AIRPORT DULUTH, MINNESOTA**

The project comprised of the complete removal of the existing system and installation of the new upgraded ALS-FII enabling Category (CAT) II landing operations. Control of the system was assumed by the FAA upon completion. The work included the addition of two new control equipment buildings, new light station foundations, duct banks, cabling and access roads. The runway overrun was also reconstructed and paved.



### **ALSF CAT IIIA INSTALLATION MINNEAPOLIS - ST. PAUL INTERNATIONAL AIRPORT MINNEAPOLIS, MINNESOTA**

This extensive project involved upgrading the airport's complete runway lighting system providing CAT III landing operations. Installation was completed on 40 foot high towers, Runway PAPI's, Touch-Down Zone Lights, Runway Guard Lights and Taxiway Lights. Midway through the project, the owner requested the completion date be shortened by 25 days. HMI successfully met this schedule providing the operational product.



**INSTALLATION OF H-90 AIRCRAFT ARRESTOR  
INSTALLATION OF TYPE H ARRESTOR SYSTEM TROUGH AND MECHANICAL PARTS.  
WRIGHT-PATTERSON AIR FORCE BASE**

Installed Type H precast across 300' runway and installed mechanical components. System tested and operational by HMI. Work was done at Wright Patterson Air Force Base for the Air Force/Core of Engineers.



**LOCALIZER INSTALLATION  
MINNEAPOLIS - ST. PAUL INTERNATIONAL AIRPORT  
MINNEAPOLIS, MINNESOTA**

The Runway Localizer was upgraded by constructing the system on top of a 28 foot high wood platform. The project also included installation of access roads, an equipment building, duct banks and new cabling.



HMI has an extensive, proven track record for installing multiple complex aviations systems nationwide and fulfilling concrete construction projects for a extensive variety of purposes from city infrastructure to business construction needs. Our dedicated personnel will meet and exceed your project expectations by providing precise installation and meeting customer requirements. Close attention to detail has provided our customers with efficient, cost saving products through on-site design and modifications. Experience and quality control has enabled us to succeed as an industry leader for over four decades.

**For more information on how we can work with you on your next project, visit our website at:**  
**HMIDULUTH.COM**

Be sure to check us out on social media

Facebook.com/hmiduluth  
On Twitter @HMIDULUTH  
On Instagram @HMIDULUTH