





**H**arper Industries Incorporated (HII) is a privately-owned construction services company based in centrally-located Paducah, Ky. With additional operations in Nashville, Tenn. and Houston, Texas, and projects located throughout the United States and Puerto Rico, HII is one of the fastest growing construction companies in the country and is ranked by Engineering News Record magazine as one of the top 270 largest construction firms in America.

Since its founding in 1949 as Harper Construction, Inc., by J.M. (Bill) Harper, the company has evolved from performing two or three projects per year into a multi-company operating group. HII today, under the leadership of CEO Billy Harper, consists of eight subsidiaries involved in commercial and industrial construction and maintenance, EPC, design-build, project management and general contracting, highway and airport concrete paving, structural steel fabrication, ready mix concrete, sand and aggregate dredging, and barge building.

# Harper Industries, Inc.



The Harper Industries family of companies have successfully completed thousands of public and private sector projects throughout the United States including: manufacturing facilities, refineries, chemical plants, hospitals, corporate headquarters, power generation plants, water and wastewater plants, highways, bridges, stadiums, schools and more. HII's ready mix operations are comprised of plants in Texas, Kentucky and Tennessee. The company also holds numerous government contracts and performs work on U.S. military bases from coast to coast.

Harper Industries, Inc. is dedicated to fostering an entrepreneurial spirit, while focusing on delivering superior customer service and products that exceed our customers' expectations. We are committed to providing added value to our customers. Our record of integrity, ingenuity, dependability, expertise and safety differentiates us in the markets that we serve.

Harper Industries, Inc. is comprised of eight operating companies: Vanguard Contractors – design-build and project management for U.S. government and commercial self-perform construction; Morse Constructors – design-build, self-perform, union, industrial contractor; Harper Construction – concrete highway and bridge construction; Federal Materials Company – ready mix and concrete products; concrete construction tools and equipment; Metro Ready Mix Concrete – concrete and concrete construction products, tools and equipment; Frontier Materials Concrete – ready mix and concrete products; Frontier Aggregates – sand and gravel; Precision Steel – structural and miscellaneous steel fabrication.





*“Our Broad Experience Saves  
Our Customers Money.”*



# Decades of Safety Excellence



**H**arper Industries, Inc. places the highest priority on the safety and wellbeing of our people, subcontractors, vendors, clients and communities. We have developed a safe work

culture at HII that emanates through every operating company. We are committed to providing a working environment where safety and health are preplanned into every action. We believe that every accident and injury is preventable. Our Mission Possible safety program is our commitment to achieving “zero accidents.” It is our goal to provide a place of employment where everyone is given the time, equipment and training necessary to perform their jobs without injury. At Harper Industries, we view safety performance as the key measurement in the successful completion of every project and the best measure of our ability to manage.

***“We Create Opportunities For Our Clients With Innovative Solutions to Construction Challenges.”***

# Versatility & Competence

**H**arper Industries, Inc. provides customers a wealth of competencies in commercial and industrial construction. No matter the challenge, HII people are experienced partners in every aspect of the construction process.

Our core competencies include: safety, construction and construction management, design-build, maintenance, turnarounds, equipment, procurement, and material and tool supply.

Project preplanning is the cornerstone of our success. It is a continuous process that enables us to achieve operational excellence on every project. HII's extensive experience in assessing constructability, gives us the ability to identify and address changes which will reduce cost and/or schedule before they go to the field. By leveraging our collective expertise across the construction spectrum, HII delivers a broad range of services not typically provided by a single company.

The synergies of our companies are the key to our strength. From EPC to design-build; general contracting or self-perform, project management, concrete supply, steel fabrication, and sand and gravel supply, Harper Industries has the seasoned capabilities to complete our customers' projects safely, on time and within budget.



# Markets We Serve

**Civil Infrastructure** Development, management and construction of civil infrastructure, from airport, rail, highway systems, water and wastewater systems, and bridges to industrial parks, retail centers and office buildings.

**Power** Construction and maintenance of power plants and substations, including, fossil fuel, dual fuel, simple cycle peaking power, cogeneration, hydroelectric and nuclear facilities. We are NQA -1 qualified.

**Alternative Fuels** Design and construction for wind, coal gasification and emerging biofuel industries, including ethanol and biodiesel.

**U.S. Government Operations** HII performs a wide array of government work, including designing and building UF6 conversion facilities, administrative offices, barracks, HVAC upgrades, hanger renovations, security and anti-terrorism, utility and natural disaster work.

**Industrial** Design and construction of chemical, petrochemical, refinery, manufacturing and industrial plants; construction of pipelines for water, wastewater, industrial gases, chemicals, etc.

**Concrete & Construction Tools & Materials** HII is a major ready mix concrete and concrete products and aggregates supplier throughout middle Tennessee, western Kentucky and Houston, Texas.

**Steel Fabrication & Repair** Structural and miscellaneous steel fabrication and repair for commercial and industrial markets, and transportation, including barge building.

**Sand & Aggregates** Major supplier of aggregates and sand to commercial and industrial markets.





***“We Reduce Project Duration and Increase Profitability Through Professional Management.”***


# Experience

Over nearly six decades, Harper Industries, Inc. professionals and craft have a proven track record of success in executing sophisticated and challenging projects in difficult environments for small companies and large, and the U.S. Government throughout the country. Drawing from our experience, we have become a leader in:

- Mobilizing diverse work forces
- Material sourcing and procurement
- Meeting challenging schedules
- Performing at limited access and remote sites
- Developing and managing joint ventures and alliances
- Securing and managing subcontractors
- Self-performing work
- Securing and utilizing engineering resources
- Specialty concretes
- Unique concrete applications

By continuously exceeding the expectations of our customers, Harper Industries has become a “contractor/provider of choice” delivering intelligent solutions for our clients’ most challenging projects, providing operational excellence, timely delivery and cost-effective results.





Harper Industries offers clients a choice of building methods for delivering their projects. Our delivery methods recognize our customers' need for safety, design, and construction quality.

# Project Delivery

## **EPC Contractor (Engineering, Procurement, Construction)**

HII is responsible for extended detail design and detail engineering, material procurement services and construction using subcontractors or self-performing the work. The benefits of the EPC arrangement include: overall cost reduction, lower development costs, reduced time to develop the basic design package, design clarification and detail design, minimized overall schedule and delays.

## **General Contractor**

HII takes full responsibility for all construction contracts and manages the work of its own workforce as well as those of subcontractors, ensuring the work is completed on time and within budget.

## **Design – Build**

HII is the single source for project management, planning, design, engineering and construction. This method allows the owner to contract with a single contractor, improving control over the project and saving time and money.

## **Construction Management**

HII acts as the owner's partner, offering the owner advice, controlling work scope, scheduling, changes and disputes, contracting and procurement, but act as the general contractor during construction.

## **Sub-contractor**

HII provides construction services to General Contractors and EPC Contractors working as a subcontractor on virtually any phase of the construction process.





***“Our Broad Range of Services Enables Us to Exceed Your Expectations.”***

# Resources

Throughout Harper Industries, it is our passion for excellence that distinguishes us from other construction companies. Experience, combined with a wealth of technical expertise, financial strength, strategic alliances, services, and bonding capability give HII the resources and expertise to exceed our customers’ needs.

We utilize a variety of the most technologically-advanced enterprise systems available including: accounting, project management and tracking, record keeping, document control, quality records, including material certification, on-time procurement and delivery and scheduling. Additionally, HII is NQA 1 qualified. Harper Industries also maintains a significant inventory of tools and equipment, for use and rental, to ensure maximum reliability and productivity. As a large construction services organization, HII brings financial strength, significant bonding capability, and extraordinary synergies to every job.



Harper Industries believes in continuous learning and provides a wide range of opportunities for education, training, and professional and career development for all employees.

These opportunities will allow our employees to learn new skills and improve their overall performance and value to the company, plus position themselves to advance their careers within the organization. We believe that well trained employees work safer, are happier, more efficient and productive. Our generous education reimbursement program allows employees a chance to further their formal education and obtain a degree or advanced degree.

Harper University was established to provide easily accessible resources for employees to take advantage of classroom training led by internal industry subject matter experts and external training providers, professional associations and academic institutions. A few of the courses offered include Supervisory Skills, Behavioral Based Safety, Interviewing and Hiring Skills for managers, Conflict Resolution, Lean Six Sigma Green Belt certification, etc. In addition, we offer online web-based training covering topics ranging from Communication, Leadership and Project Management to Desktop Applications, Teamwork and Sales.





# Self-Perform

With experience accrued over decades, HII has the skill-set and knowledge of what it takes to get the work done. HII has the ability to quickly mobilize a large and diverse workforce anywhere in the country. Our project managers (PMP certified), field supervision, safety professionals and master builders and craftsmen work together from project preplanning to implementation to assure our customers' projects are completed on-time and within budget. HII is a double-breasted company.



# Harper Industries, Inc.

## Vanguard Contractors

Vanguard Contractors (VC) is a prime contractor based in Paducah, Ky. The company has performed extensive work for the US Army Corps of Engineers, NASA, the US Air Force, and the US Navy on projects throughout the United States from Tampa, Florida to Anchorage, Alaska and Puerto Rico. VC currently holds 11 government contracts. VC also has a significant background in private sector construction with many projects in Kentucky and several of its surrounding states. VC's capabilities include: experience in design/build, project management, in-house general contracting services, and contract maintenance and repair. These competencies, in combination with its financial resources, provide the ability to complete projects in an efficient and timely manner.

## Morsey Constructors

Morsey Constructors is a 60 year old general and mechanical contractor based in Calvert City, Ky., specializing in industrial construction and plant maintenance. Morsey works extensively in the power, petro and specialty chemical industries throughout the Southeastern United States. The company's project delivery methods include EPC, general contractor, design-build and construction management. Morsey specializes in civil structural and mechanical work on a self-perform basis. Capabilities include: site prep, underground utilities, structural/architectural concrete placement, foundations and flat work, precast concrete design and erection, structural steel fabrication and erection, process piping fabrication and erection, equipment setting, rigging and alignment, conveyor/material handling equipment installation, ASME boiler and pressure vessel repair and supplemental maintenance services. The company is NQA-1 qualified.

## Harper Construction

With offices in Nesbit, Miss., Houston, Texas, and Paducah, Ky., Harper Construction specializes in subdivision paving, commercial infrastructure paving, pervious paving, architectural and stamped concrete, as well as concrete paving, white topping, slip form median barrier and parapet construction on major interstates throughout the Southeast. The company works extensively with the U.S Department of Transportation, international airports and the U.S. Army Corps of Engineers. Harper Construction's Structures Division has expertise in: Culvert Construction: staking, excavation and erosion control, footing foundation, forming, reinforcing steel, concrete placement, and backfill with erosion control. Overpass Construction: pre-stressed concrete overpass spans, vehicle, pedestrian and wildlife crossing structures and multi-lane structures. Bridge Construction: truss or beam, arched, and cantilever projects.

## Federal Materials Company

Federal Materials Company (FMC), based in Paducah, Kentucky, is the premier supplier of quality ready mix concrete throughout west Kentucky and northwest Tennessee. In addition to ready mix concrete, Federal carries sand, gravel and a full line of construction products. Federal's products can be found in bridges, educational facilities, hospitals and residential homes. Federal has served the business community, government and individual homeowners for 70 years. The FMC fleet is comprised of 48 concrete delivery trucks, five cement tankers, four delivery trucks for construction products/pre-cast and four material trucks, all supported by nine plants located in Bardwell, Calvert City, Cadiz, Mayfield, Murray, Paducah, and Princeton, Kentucky, and Union City and Paris, Tennessee.

## Metro Ready Mix Concrete

Metro Ready Mix is a ready mixed concrete company headquartered in Nashville, Tenn. The company specializes in supplying ready mixed concrete, sand and concrete related construction products throughout the middle Tennessee area. Metro Ready Mix serves the area with 14 plants and a large fleet of ready mix and material hauling trucks. The team at Metro Ready Mix strives to be the best in the business. Their mission is, "We are a customer oriented company that embraces the philosophy of 'Quality Concrete' - On Time' provided by a professional team of dedicated people." From decorative concrete to high strength concrete, and from sidewalks to bridges and skyscrapers, Metro Ready Mix has supplied middle Tenn. with quality concrete and construction materials for over 25 years. The Metro Ready Mix team continues to be a leading edge provider of solutions for their customers. In order to enhance service to our customers, Metro Ready Mix has acquired Kirby Welding. With over 40 years of welding history in middle Tenn., Kirby Welding offers a variety of services and products such as steel straightening, metal fabrication and repair, structural steel fabrication and repair, truck bodies and welding of all types. As a dedicated community partner, the Metro Ready mix team strives to live their vision of "Growing Together to Build a Better Future." In support of this belief, two of our companies have state-of-the-art truck simulators to train operators.

## Frontier Materials Concrete

Frontier Materials Concrete is a ready mix concrete supplier in the greater Houston, Texas, area with five concrete production facilities located on four plant sites. The geographic delivery area covers most of north and west Houston including Katy, Tomball, Spring and Conroe. The fleet of 57 concrete delivery trucks is comprised of both front and rear discharge mixers. All trucks and production facilities are certified by the National Ready Mix Concrete Association (NRMCA) along with Plant Manager, Quality Control, and Mentor Trainer personnel. The delivery fleet is equipped with GPS tracking mechanisms and EnviroChute washing systems. Production facilities utilize computerized batching and are equipped with water heaters for cold weather. Liquid integral color is also available and introduced during the batching process. Frontier produces building materials for commercial, residential, utility, and highway/civil applications.

## Precision Steel

Precision Steel is an A.I.S.C. certified structural, architectural, and special project metal fabrication facility located in Calvert City, Ky.. With concentration on beam, heavy gauge, and plate fabrication (16 gauge to 12" thick), Precision Steel features the large capacity metal working equipment to provide accurate, timely solutions to all metal fabrication needs. With a broad range of completed projects in carbon and stainless steels, monel, hastelloy, aluminum, and various alloys, Precision Steel has expertise in a variety of steel applications. The company's capabilities include: welding, braking, rolling, shearing, sawing, grinding, punching, sand blasting, painting, plasma and oxyfuel cutting. Precision Steel holds the ASME "U" stamp for custom design and manufacture of pressure vessels, heat exchangers, tanks, condensers, after-coolers, receivers, heat recovery systems, evaporators, separators and oil coolers. PS also has the national board "R" Stamp for repair of pressure vessels and boilers. PS also builds custom deck and spud barges up to 1800 horsepower.



## Frontier Aggregates

Frontier Aggregates is a mining operation that produces washed sand and gravel from the San Jacinto River in Montgomery County, Texas, adjacent to North Harris County. The operation is situated to service three Frontier Materials Concrete plants as well as concrete operations in North Harris and South Montgomery Counties. We also provide bank sand, select fill and top soils to the general marketplace. All Frontier employees are certified by the Mine Safety and Health Administration (MSHA). The mining operation utilizes a DSC 860 shark cutter head dredge that pumps material to an Eagle Iron Works classifying plant. The classifying plant separates and produces concrete sand, mason sand and river gravel.





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## Vision

By 2025, Harper Industries will be recognized, on a worldwide basis, as the safest, highest quality, most reliable, most environmentally sensitive, and most dynamic provider of services and products, and the strongest developer and supporter of entrepreneurial businesses.

## Our Enduring Purpose

As a holding company, our purpose is to stimulate, create and develop construction related entrepreneurial businesses that build people and benefit our communities.

## Our Guiding Principles & Values

We hold sacred the well-being and value of all individuals. We are committed to the safety of all people associated with us. We are committed to the education and development of our people.

We foster mutual respect among our colleagues, customers, suppliers and communities.

Integrity and honesty guide every decision we make and every action we take.

We desire to be the best in whatever we do, pursuing it with passion and excellence, always raising the bar.

We are committed to teamwork. We are diverse, but unified in our purpose and values. We learn from one another and together we grow and create greater value for our employees, our company, and our communities.

We are dedicated to the entrepreneurial spirit that creates unique and enduring opportunities for people to make a difference.



### **Federal Materials Company**

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### **Metro Ready Mix Concrete**

1136 2nd Avenue North  
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Phone: 615-255-1900  
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### **Morsey Constructors**

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