



HRGreen

Safe, Efficient, Reliable

rail transportation



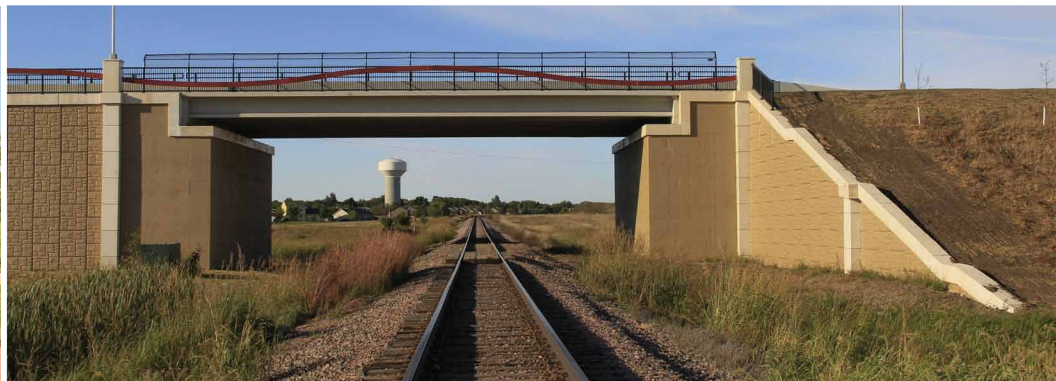
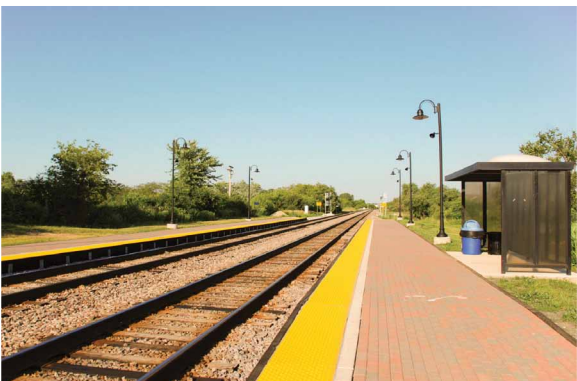
HR Green understands the nuances of the railroad business. We have seasoned former Class I operating managers skilled at incorporating operational requirements with design development, as well as technical staff that are qualified to produce constructible, cost effective designs to meet the needs of your project.

Technical design is important, but the functionality of the design is even more critical. Our knowledge of rail operations, logistical needs of rail shippers and understanding material handling criteria into and out of railcars allows us to provide solutions to our clients that can improve long term safety and operations while reducing initial capital requirements.

See HRGreen.com for more information.

HR Green helps clients develop, design and construct safe, operationally efficient rail facilities:

- Freight, High Speed, Commuter and Transit
- Terminals & Yards
- Stations
- Bridges
- Ports & Industrial Complexes
- Intermodal Terminals





HR Green connects people, places and products by creating safe and functional rail facilities.

The Value of HR Green

When you hire HR Green for your rail project, you get a business partner accountable to the operational criteria of a rail project: safety, efficiency and reliability. We provide cost effective engineering and construction services to help you develop facilities that are easy to maintain when placed into operation.

Safety

HR Green integrates operational safety considerations into our designs from the beginning. Our rail professionals are safety certified through contractor orientation, roadway worker protection and on-track safety.

Efficiency

HR Green understands that railroading is a business with complex operational characteristics and conditions. HR Green strives to understand and integrate potential operational challenges into the design and create engineering solutions that are safe and efficient to construct. We strive to improve project performance and shorten the project schedule. Every project must help our clients meet their commitments to their customers, and do so profitably.

Reliability

HR Green professionals are familiar with the latest AREMA and individual railroad design standards. We combine advanced design expertise with years of frontline railroad supervisory experience in operations and maintenance. This means your project will be customized to the needs of your particular railroad environment.

+Design

- Feasibility Studies
- Site Assessment
- Site Design and Permitting
- Alignment & Corridor Studies
- Velocity Studies
- Traffic & Revenue Studies
- Environmental Impact Assessment
- Infrastructure & Facility Design
- Safety Studies
- Rail Survey
- Rail Design
- Rail Yard Expansions
- Bridges & Approach Structures
- Bridge Inspection
- Stormwater & Drainage
- HVAC / MEP Engineering
- Landscape Architecture
- Hydraulics & Hydrology

+Construct

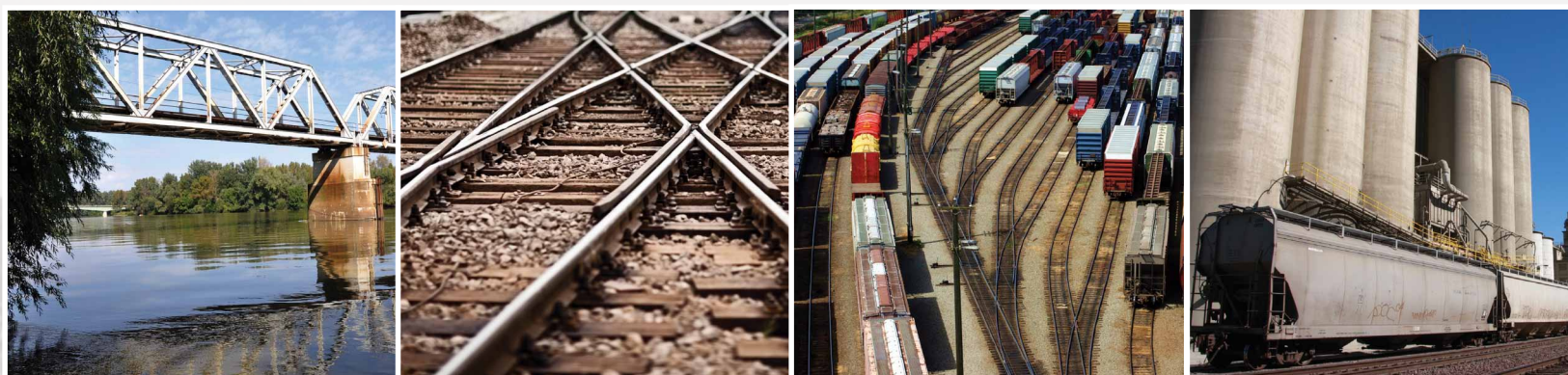
- Permitting
- Document Management
- Design/Build Contracts
- Resident Engineering
- Construction Management
- Bidding & Contract Negotiations
- Construction Inspection

+Own

- Cost – Benefit Analysis
- Owner Representation
- Stakeholder Communications
- Project Websites
- Economics & Finance
- Sustainability Programs
- Revenue Studies

+Operate

- Program Management & Controls
- Operational Planning & Analysis
- Operational Integration
- Geographic Information Systems (GIS)
- Commissioning, Startup & O&M Manuals





HR Green helps clients develop and maintain safe, efficient and reliable rail facilities of all types. We deliver business success for our clients and economic development for the communities in which they operate.

Business Accountability



Toll Free **800.728.7805**
Learn more at HRGreen.com

transportation
water
governmental services
senior living
energy

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HR Green is a professional engineering and technical consulting firm serving clients throughout the United States and beyond. We enjoy a longstanding reputation for business accountability. We are a privately held, employee-owned company, fully committed to the success of our clients and the well-being of our employees.

Business accountability means that we partner with our clients to create viable facilities and healthy enterprises that are truly sustainable for the client.

We work this way with every client, whether in the public or private sector, and at every step of their journey: design, construction, ownership and operation.