Our transportation business puts the end users first – developing designs, building consensus and constructing the infrastructure that meet the needs of our clients while considering the future. Funding, environmental compliance and public involvement can be daunting even before tackling the technical complexities of a project. Your needs are great, and they can be met by a creative partner with the resources to tackle every aspect of your challenge.

Our transportation engineers have created Centralized Traffic Management Systems, use advanced vehicle control systems, dynamic route guidance, and advanced traveler information to compile data when working on upgrades to transportation systems. 3D models allow us to design with greater accuracy and efficiency, identifying potential conflicts before they become challenges. Professionals who specialize in construction interact with our designers to provide constructability reviews during a project’s design, allowing the development of projects that can be built with minimal surprises. Construction engineering monitors projects as they are being built, so you are sure that your improvements ultimately comply with approved designs.

We link project needs to community values, environmental requirements and infrastructure standards to design a lasting solution that meets the necessities of local citizens and businesses.
TRANSPORTATION SERVICES

• Roadway + Interchanges
  The need for infrastructure that facilitates safe and efficient travel by all means while maintaining environmental compliance is the driver of our transportation business.

• Bridges + Structures
  We provide planning, design and construction engineering services for bridge replacements, repairs, sound and retaining walls.

• Environmental + NEPA
  Our highly collaborative and interdisciplinary approach allows us to effectively manage environmental concerns, regulatory requirements, funding strategies, public and agency coordination, and technology solutions with the needs of transportation infrastructure projects.

• Planning
  We employ progressive transportation engineers who focus on operations analyses, corridor studies, planning and environmental studies, roadway and traffic signal design, contract administration, safety analysis, and transportation research.

• Hydraulics + Hydrology
  Demands placed on highway systems can cause or exacerbate flooding issues. Whether your project is a new highway on new alignment or improvements to existing roadways, HR Green’s professionals have extensive experience addressing the conveyance of stormwater.

• Traffic Operations
  HR Green’s traffic services team helps our clients improve transportation infrastructure and traffic operations systems that support transit and emergency service and other modes of transportation.

• Public Involvement + CSS
  The success of transportation improvement projects depends in large part on community support. Utilizing a context-sensitive solutions (CSS) approach allows us to recognize and identify stakeholder interests and provide an open forum for communication and the ability to build enthusiasm, ownership and support for the project.

• Innovative Geometry
  HR Green is a national leader in providing innovative geometric solutions to traditional transportation engineering challenges. Our experience includes holistic approaches to various intersection and roadway types, roundabouts, and innovative interchange designs.

• Construction
  At HR Green, construction engineering services are not a mere afterthought provided by personnel whose true specialty is design. Helping our clients through the critical construction phase is so important, that we established an entire practice area within our company to specialize in this discipline.