



HRGreen®

Building Communities,
Improving Lives.

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COMPLETE STREETS



Complete Streets are Sustainable Systems

Public space, and how we use it, has become an issue at the forefront of city decision-makers' minds across the country. With an evolving landscape of technologies, public policies, land use demands, and environmental concerns, this is especially apparent in our street system.

The variety of pressures placed on our street networks means that we need to optimize those occasions when a street or its corridor is maintained or reconstructed. We want to take advantage of the opportunity to install infrastructure that will stand the test of time and meet our communities' needs. In the context of Complete Streets, these objectives center on the following six key concerns:

- Safety
- Multi-modal Mobility
- Green Infrastructure
- Equity + Quality of Life
- Technology Smart Systems
- Resilience

For an example of how this comes to life in a Complete Street, our changing environment has resulted in a need to provide more robust and reliable stormwater management systems. As part of our work, HR Green has developed innovative stormwater solutions in a wide range of environments. Our solutions strive to capture stormwater in natural systems and in turn optimize investments in "gray infrastructure" resources like gutters, pipes, and tunnels.

The benefits of green infrastructure for stormwater management have made it a critical component of any complete streets evaluation.



Green infrastructure features are adaptable to a wide range of built environments - from rural to urban.





COMPLETE STREET SERVICES

► Safety

HR Green's clients are demanding a "Vision Zero" approach to transportation safety. We bring this philosophy to our planning and design efforts starting at local studies like Safe Routes to School plans, corridor studies, all the way to our most complex urban arterial and interstate interchange final design projects.

► Multi-modal Mobility

The mobility needs of each HR Green client are different. One commonality however, is the need for reliable transportation choices. HR Green's expertise in a wide range of modes means that we are able to respond to each project's unique requirements while also integrating pedestrian, bicycle, freight, transit, and vehicular mobility needs accordingly.

► Green Infrastructure

Our team has extensive experience in the planning, design and construction phase services of green infrastructure improvements. We have successfully integrated green and "gray" infrastructure practices as part of flood reduction strategies and water quality improvement through cleansing of stormwater runoff. Not all green infrastructure needs to be underground either. Trees, for example, create attractive landscapes and can also provide shade and a natural cooling effect.

► Equity + Quality of Life

HR Green is well-versed in the socioeconomic aspects of transportation projects. Our planners routinely incorporate studies of environmental justice and access to transportation into our projects. We use an "equity lens framework" as part of the establishment of evaluation criteria so that it is clear to all stakeholders the importance of creating quality solutions for underserved and underrepresented communities.

► Technology Smart Systems

HR Green's broadband specialists help communities extract more functions from their streets. With relatively minor space requirements, we are able to incorporate broadband, fiber, and "internet of things" tools into a corridor to help open new doors for congestion management, parking systems, lighting, connected vehicles and asset management.

► Resilience

With communities increasingly stressed by our changing environment, we design infrastructure projects to withstand increasingly frequent large storm and extreme weather events. Streets and communication systems provide critical access functions that must be reliable for basic life needs.

Scan the QR Code or follow the link below for your local contacts, project information, or industry insights.

► www.hrgreen.com/complete-streets

