



Hanson Professional Services Inc. is a national, employee-owned consulting firm providing engineering, planning and allied services. Established in 1954, Hanson provides services to public- and private-sector clients throughout the U.S. and abroad from six markets: infrastructure, aviation, government, industry, power and railway. For decades, Hanson has appeared as a Top 500 design firm in Engineering News-Record's listing of premier U.S. design firms and has received numerous workplace and project-related awards.

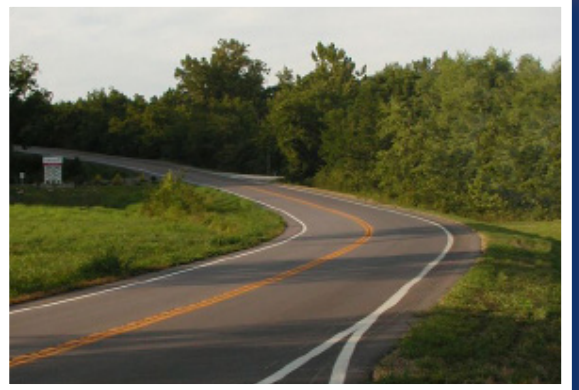
## Roadway

Hanson's transportation work focuses on these project types:

- interstates
- arterials and local roads
- interchanges and intersections
- bridges and retaining walls
- trails and sidewalks

Your goals are important, and you need a consultant who will put you and your needs first. It's critical, it's necessary, and Hanson will be there to make your goals come to reality, putting the services you need at your fingertips. We offer:

- planning
- design
- program management
- geotechnical services
- water resources
- environmental services
- surveying
- permitting
- traffic analysis
- intelligent transportation systems
- document management
- quality programs
- value engineering
- construction contract administration
- asset investment planning



Route 94 Shouldering and Resurfacing  
St. Charles County, MO



Northmoor Road improvements  
Peoria, IL



Grandview Road over Route W  
(Crest vertical curve of Route W Lowered)  
Jackson County, MO

**Howard Gotschall, P.E., S.E.**  
Assistant Vice President  
314-942-5285  
hgotschall@hanson-inc.com  
www.hanson-inc.com



# Bridges

Hanson has built our bridge design reputation upon providing quality design on time. Whether we are providing multi-discipline design services for a complete project or providing bridge-only design services, we have consistently demonstrated accessibility responsiveness during both design and construction.

Hanson has the breadth and depth of resources and personnel to address all issues relating to bridge inspection, design and construction:

- conceptual bridge design
- preliminary bridge design
- final bridge design
- bridge type studies
- alternate designs for bidding
- bridge inspections and reports
- hydraulic studies and scour evaluation
- geotechnical investigations and foundation recommendations and design
- retaining wall type selection
- peer review
- value engineering
- construction contract administration

Hanson has completed a wide variety of bridge design assignments through contracts with local agencies and MoDOT. Our bridge design services have included design for grade separations involving interstates, urban and rural roadways and railroads, in addition to water crossings ranging from minor creeks to major rivers.

Hanson's bridge design team – which consists of all needed engineering disciplines – is focused on providing the best in consultant design services.



**Battlefield Road over Route 65 interchange**  
Greene County, MO



**Route 100 over I-44**  
Franklin County, MO



**Route D over Moreau River**  
Cole County, MO



**Route B over Locust Creek**  
Linn County, MO



# Traffic engineering

Hanson provides efficient, safe and convenient solutions for the issues that impact transportation systems and those who are affected by the systems. We can also successfully integrate your travel and traffic needs into mixed-use and neotraditional designs.

Our services include:

- traffic impact studies
- traffic operation and safety studies
- microsimulation modeling
- signal coordination and timing plans
- transportation planning and travel demand modeling
- intersection/interchange studies
- corridor studies
- traffic signal design
- pedestrian studies and facilities design
- safety studies
- parking studies and capacity analysis
- prioritization studies and asset management
- roundabout analysis and design
- road dieting/lane reduction
- policy writing



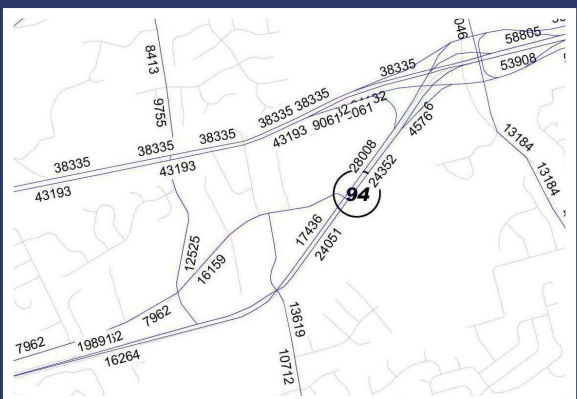
Washington Street RRP Pedestrian Crossing and Roundabout  
Peoria, IL



Multimodal Corridor Enhancement traffic modeling  
Champaign-Urbana, IL



Ridge Avenue/Whitman Street intersection improvements  
Rockford, IL



Greens Bottom extension location study  
St. Charles County, MO





**Athletic Park to Big Creek Park trail**  
Canton, IL



**Pekin Park bike trail**  
Pekin, IL



**Wildcat Creek Walk of Excellence**  
Kokomo, IN



**Multimodal Corridor Enhancement bicycle lane**  
Champaign-Urbana, IL

# Trails and sidewalks

Hanson offers a team of professionals with excellent qualifications, experience and knowledge of the recreational facilities design process for multi purpose trails, in addition to pedestrian paths and crossings. We have staff with extensive expertise in planning and design that supports safe transportation for pedestrian, bicycle, transit and vehicular travel. Our team available for Missouri local municipality projects includes project planners, public involvement facilitators, transportation and traffic, civil and site, structural, geotechnical, environmental and hydraulic engineers, in addition to land surveyors and construction observation staff.

Our services include planning and design for:

- trail and pedestrian crossings (including HAWK signals)
- off-road bicycle and pedestrian trails
- on-road multi-use trails and paths
- greenways
- pedestrian structures/bridges
- bicycle/bus lanes
- curb bump-outs
- curb ramp reconstruction with detectable warning surfaces
- pavement striping for crosswalks, pedestrian features and other markings