

ENVIRONMENTAL SERVICES



Our Commitment to Protecting the Environment

Most civil engineering projects include at least one environmental component in need of consideration. Hampton, Lenzini and Renwick, Inc. (HLR) embraces the goal of protecting the environment while facilitating the design and construction of safe civil engineering projects and boosting economic development. Our experienced engineers can investigate environmental solutions and sustainable alternatives to enhance your project and help you maneuver through the complex permitting process. We can provide:

- Noise Analysis and Noise Wall Design
- Air Quality Analysis
- Wetland Screenings
- Formal Wetland Delineation
- Wetland Impact Permitting
- Stormwater Sustainable Design and Permitting
- Design and Environmental Inspection of Soil Erosion and Sedimentation Controls
- Environmental Inventory
- Ecological Studies (including tree surveys)

Noise Analysis and Noise Wall Design

HLR conducts noise analyses and can present innovative solutions to your noise problems. One solution may be to construct a noise wall and with our structural team we can complete a noise analysis as well as design the noise wall to meet your needs.



Wetlands

Wetlands serve an important function in the environment including filtering and storing water and providing habitat for unique types of plant and animal species. HLR provides wetland screenings to determine if potential wetlands exist on your property. HLR also conducts formal wetland delineations to determine exact boundaries and help you to design your project to avoid wetland areas. If avoidance is not possible, HLR will obtain the necessary wetland permits from the County and/or US Army Corps of Engineers. HLR has the experience and agency relationships to facilitate the wetland permitting process.

Ecological Studies

Some projects may require ecological studies. These studies may include tree surveys or threatened and endangered species surveys. HLR can coordinate with the Illinois Department of Natural Resources and US Fish and Wildlife Services and conduct required plant or animal surveys.



Stormwater Sustainable Design and Permitting

Stormwater Best Management Practices (BMPs) incorporating sustainable design is occurring nationwide. HLR can help you to design stormwater detention incorporating sustainable solutions including bioswales, permeable pavement, permeable pavers, and rain gardens to better manage storm water in your community or for your business. For sites disturbing greater than one acre, HLR can obtain the necessary National Pollutant Discharge Elimination System (NPDES) permit which includes the preparation of a Storm Water Pollution Prevention Plan (SWPPP).



Design and Environmental Inspection of Soil Erosion and Sedimentation Controls

HLR has qualified erosion control inspectors to keep your site in compliance according to most recent IEPA criteria. HLR can also design soil and erosion controls to fit your project and protect the environment.

Environmental Inventory

HLR has the capability of conducting an inventory of environmental features in your community that would interface with your current system, i.e. GIS. This inventory can include such environmental features as wetlands, floodplains, park lands to be used when considering future zoning and development.



Civil Engineers
Structural Engineers
Land Surveyors