Hart Engineering Company Profile

HISTORY

Hart Engineering, a St. Louis based company, is a multifaceted civil engineering design firm. Established in 2007 and located in South St. Louis County, Hart Engineering, LLC (Hart) provides civil engineering design, asset management and coordination services on a wide range of projects. Hart Engineering has provided services for a broad client base including private developers, municipalities, public utilities, private owners, MODOT, BPS, MSD and other professionals such as architects, engineers, and attorneys.

QUALITY

We were able to meet or exceed our clients' expectations for deadlines, budget and quality. We have received numerous honorable ratings from several local agencies and have many repeat clients. We pride ourselves in being a well-known part of the Missouri engineering design community and are often asked back to be a part of large design teams. We provide quality work and are honored that our fellow community members recognize this strength. Hart Engineering has a wealth of knowledge and experience in coordinating with multiple local, state, and federal agencies. Each of these agencies provide their own individualized standards and requirements. Hart is well versed in all aspects of each agency’s guidelines, standards, and laws and uses this knowledge to streamline our design process.

DIVERSITY

Hart Engineering is a certified Woman Business Enterprise (WBE) firm with all female employees. Hart not only has the experience and first-hand knowledge of how to create and foster a WBE company, but also continues this diverse thinking in our unique business model. A combination of both full time and part time engineers and support staff allows Hart Engineering an unprecedented flexibility in work force hours, the ability to be extremely accessible at all times for our clients, and an undeniable employment satisfaction rate that assures retention, continuity, and experience in our staff. All of these unique traits add to the diversity that is Hart Engineering.

Certified DBE and WBE

Hart Engineering is a certified woman-owned business through the State of Missouri and MoDot as well as a disadvantage business enterprise through the MRCC and the City of St. Louis Airport Authority.
Kennerly Road Project:  
City of Sunset Hills, Missouri

Kennerly Road belongs to the City of Sunset Hills, located between Gravois and Tesson Ferry just south of I-270. This project was 1.5 miles of mill and overlay, widening, some sidewalk addition and new storm sewer design. Metropolitan St. Louis Sewer District required water quality facilities along the roadway due to the widening improvements. Rain gardens were designed as a part of this project to fulfill those water quality requirements.

Vineland School Road:  
City of DeSoto, Missouri

The City of DeSoto improved approximately 2 miles of Vineland School Road from Highway 21 into the center of town. Half of the project is within city limits, while the remainder is considered a Jefferson County Road. The city portion of the project included curb and gutter, sidewalks, and road renovation. The county portion included a shoulder and drainage ditches in addition to the road renovation. The improvements to the road were mill and overlay, widening, and the addition of curb and sidewalks in some locations. There were several cross streets requiring handicap ramp improvements as well. Hart Engineering was responsible for the preliminary layout, storm water improvements, utility coordination, and construction observation for this project.

Weldon Spring Parkway Improvements:  
Weldon Spring, Missouri

Hart Engineering was a subconsultant for this project for the city of Weldon Spring. This project included major improvements to Weldon Spring Parkway including, but not limited to, 900 linear feet of three lane roadway extension, trail, sidewalk, curb and gutter, retaining wall, stormwater design, and utility coordination. Hart's main responsibilities for this project included utility coordination, addressing agency comments, and drafting.

BPS Green Alley Phase II Project:  
City of St. Louis

The City of St. Louis is in its second phase of constructing Green Alleys. They are replacing old brick and patch pavement alleys with permeable paver ones. Phase II includes 3 alleys south of Tower Grove Park, west of Grand Boulevard. By replacing the existing alleys with pervious ones, they reduced the amount of runoff entering the combined sewer system, thus increasing the capacity of the existing pipes and reducing the possibilities of back-ups and basement flooding.
Big Bend to Papin Storm Sewer Phase 1:  
Metropolitan St. Louis Sewer District

Hart Engineering is the Primary Consultant for this contract for storm water upgrades in a residential area of Webster Groves. The purpose of the project is to alleviate basement and yard flooding by proposing a new storm sewer alignment. The project includes meeting with homeowners to discuss the issues and needed easements, designing the sewer improvements and site plans, and developing the specifications and cost estimates for construction. This project involves creative solutions to overcome several design challenges including conflicts with existing sanitary sewers, tightly spaced homes and trees, and addressing property owner concerns. Hart has been able to adjust for new additional tasks and design requirements during the project in an efficient manor to the satisfaction of the project manager.

General Services Agreement, Sewer and Process Design:  
Metropolitan St. Louis Sewer District

Hart Engineering is a sub-consultant for this contract which serves as an on-call professional engineering team with the technical expertise to tackle a wide variety of issues at their treatment plants and large pump station facilities. Hart Engineering was responsible for the design of a supplementary 8-inch water main and a 6-foot flood protection berm at the Missouri River Wastewater Treatment Facility as well as assisting on other projects on other treatment plants.

Gravois Creek Watershed Stormwater Improvements:  
Metropolitan St. Louis Sewer District

Hart Engineering is the Primary Consultant for this contract which consists of four separate storm water improvement projects throughout South St. Louis County in the Gravois Creek Watershed. The purpose of the project is to alleviate structure and yard flooding in residential areas. Ms. Hart and Ms. Schiermeier met with homeowners to determine and fully understand the extent of flooding and the likelihood for signing easements. They have also designed improvements, and completed specifications and cost estimates.

Glendale Section D:  
Metropolitan St. Louis Sewer District

Located in the Deer Creek Watershed and the Cities of Glendale, Rock Hill, Kirkwood, and Webster Groves. Hart Engineering investigated and made recommendations for the disconnection of private I/I sources into the public sanitary sewer. Approximately 2,300 individual properties were located in the project area. Many of those properties had defects to identify and evaluate in order to determine if a recommendation for their removal from the sanitary sewer system was necessary. There were also approximately 250 private laterals that required rehabilitation or replacement.
Site Development

West County Dentist:
De Peres, Missouri

Hart Engineering was the Civil Engineer for a commercial property in Des Peres, MO. Hart was responsible for presenting a Site Plan to the Planning and Zoning board. Ms. Hart prepared a Conditional Use Permit application and Improvement Plans for approval from the City and MSD. The plan included a building addition, parking lot expansion, and storm sewer/water quality improvements.

Asset Management

- Infrastructure Review and Asset Documentation
- Repair Recommendations
- CCTV Review and Prioritization
- Mapping and GIS Services
- Cost Estimating

Wild Horse Bluffs:
Chesterfield, Missouri

Wild Horse Bluffs is an eight lot subdivision on a 5 acre site designed by Hart Engineering. The project has been presented to the City of Chesterfield’s Planning and Zoning Commission and a Site Plan was approved by the City. Storm and Sanitary sewers were designed, as well as grading and retaining walls. A sidewalk is proposed along MODOT right-of-way.

St Louis Zoo Assessment Project:
St. Louis, Missouri

Hart Engineering is a subconsultant on a project responsible for assessing the site/civil improvements, issues and possible needed projects for the zoo to include in their capital campaign budgeting. This project required the team to assess the entire grounds and civil engineering networks associated with the Zoo and analyze, assess and anticipate any areas where funding may need to be appropriated.

Critical Infrastructure Assessment: Metropolitan St. Louis Sewer District

In close partnership with other local design firms, Hart Engineering is responsible for assessing MSD’s infrastructure network. The project consists of performing field evaluations for infrastructure location and flow, evaluating CCTV video for infrastructure rehabilitation that may be needed, and providing MSD with a prioritized list of recommended improvements. By combining information from all forms of the assessment process, our knowledge and experience with GIS, and the immense amount of historical data available for the MSD jurisdiction, Hart Engineering and its partnership have been able to provide an exceedingly diverse and immense amount of updates and improvements to MSD’s infrastructure mapping system. This project is thus helping MSD to more accurately maintain a current record of their vast network.