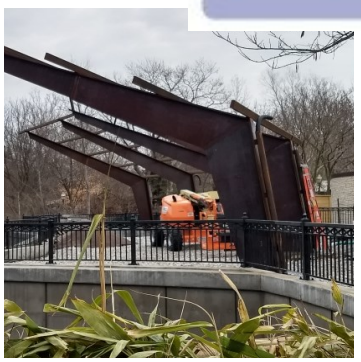
Site Civil Engineering Design
Roadway Design
Water Distribution
Sanitary Sewer Collection

Stormwater Management
Hydrology/Hydraulics
Asset Management
Construction Administration

HART ENGINEERING, LLC

A Diverse Company with 12 years of Excellence

Hart Engineering, LLC was established in 2007 by Paula M. Hart, P.E., LEED AP. Hart Engineering provides civil engineering services to developers, architects, and public agencies in the area of **site development**, **utility coordination, sewer design**, **roadway design,** and **asset management.** Hart Engineering brings sound project management and quality design oversight to each step of a project. We always strive to maintain our esteemed record of successfully meeting project deadlines while delivering the highest quality project. Our fully qualified team of professionals can provide a dependable and committed partner capable of delivering solid results through each step of the process.

Hart Engineering is a certified woman-owned business through the State of Missouri and a disadvantage business enterprise through the MRCC and the City of St. Louis Airport Authority. Over 80% of our employees are women including several professional engineers and technical experts. Hart's unique and flexible business model includes a combination of both full and part time employees. This distinctive business platform encourages a more diverse mix of employees and a high employee satisfaction and retention rate. Hart Engineering often teams with other small, minority, or woman-owned businesses to encourage overall diversity in the engineering and construction fields.

5717 Mango Dr.
St. Louis, MO

314-803-0528
paulahart@hartengr.com

HART COMPANY MISSION

To strive for achievement by utilizing a visionary business model to create a strong and positive team that will not only create innovative and concise designs for our clients but also have the drive to exceed customer service expectations with ease and satisfaction for both our team and yours.

Project Management

Hart Engineering brings sound project management and quality design oversight to each step of a project. Our end goal is to successfully meet all design deadlines while delivering the highest quality project. Our company is founded on the following core values to ensure a successful completed project.

Effective Communication

We strongly believe communication is the backbone to any successful project. We will check in with you each step of the way to confirm our design plans are meeting all your needs and to incorporate any feedback. Our firm's flexible schedules allow us to be on site for any meetings or field visits when needed. Hart Engineering also maintains ongoing communication with other consultants, utilities, and agencies as needed throughout the duration of a project.

On Time and On Budget

Our clients time and project needs are top priorities. Project milestone completion dates are scheduled well in advance of actual project submittal dates to ensure that each project stays on schedule. Hart has a stringent quality control and quality check management system that is utilized on every project we are a participant. By conducting QA/QC reviews at several points in the project, problems are reduced or eliminated in later design or construction stages when modifications can be extremely costly.

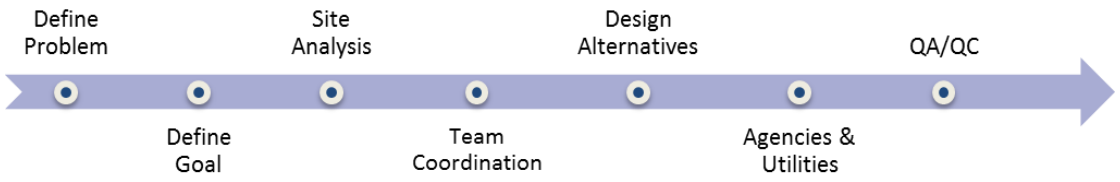
Quality Coordination

Our team posses a wealth of knowledge and experience in coordination with multiple local, state, and federal agencies. We have built strong relationships with individuals and departments facilitating concise and timely communications resulting in shortened project schedules. We are well versed in the permits that may be required when work involves public streets or right of way.

Solid Approach

The Hart team prides themselves on producing a high quality product to exceed our clients' expectations. Our skilled associates evaluate all the factors of a proposed design including cost, land disturbance, and best construction practices to select a solution that is both efficient and effective. While each project has it's own tasks and design steps, we have an overall strong approach to each project to ensure a superior finished project. The philosophy of our design approach to each project is based on the following components that allow us to excel each step of the way.

- Define the Problem —We begin with full understanding of the existing issues and all documentation available.
- Define the Goal—We set a solid solution as our end goal with smaller goals along the way to keep the schedule on track.
- Site Analysis—Our team strives to have full knowledge of the existing project site and conditions by visiting the site personally.
- Team Coordination—Hart maintains seamless and timely communication between all parties involved in a project.
- Design Alternatives—Our team meticulously studies each design problem to determine the best possible solutions.
- Agency and Utility Check—We start this process early in the project to avoid surprise conflicts or delays.
- QA/QC Check— Quality control checks are performed at multiple stages of the project and identify best practices and controls.



Our Services

Hart Engineering has provided a range of experience on a variety of design services over the past twelves years. Our team of professionals has provided superior design services for an array of clients including private owners, municipalities, public utilities, MoDOT, BPS, and St. Louis MSD. We have received numerous honorable ratings from local agencies and have many repeat clients. Our firm prides ourselves in being a well-known part of the Missouri engineering design community and are often asked back to participate in large design teams. Our flexible schedule and ability to adapt to additional demands and changes has led Hart to excel in meeting our clients needs. Hart Engineering has the skillset to lead each step of the design process from the preliminary conceptual plans through final construction management.

Roadway, Trail, and Sidewalk Design Services

The Hart Engineering team understands the design challenges necessary to build and maintain a safe and reliable transportation network. Our firm has provided quality work on various road projects including **mill and overlay**, **road widening, sidewalk additions, curb and gutter**, and **ADA improvements.** We are also well versed in additional specific elements for roadway projects including stormwater management, utility accommodation, regulatory coordination, and construction management.

- Preliminary Layout
- Utility Coordination
- Sidewalks
- Sheet and Channel Flow Analysis
- Roadway and Intersection Design
- Parking Lots
- ADA Ramp Design and Conformance
- LPA Certified and MoDOT Pre-Qualified

We have had the privilege of acting as a Prime Consultant on many projects, as well as serving as a sub consultant on a variety of successful teaming ventures. Detailed project descriptions have been included for a representation of the many projects where we have participated in roadway or sidewalk design.

KENNERLY ROAD: CITY OF SUNSET HILLS

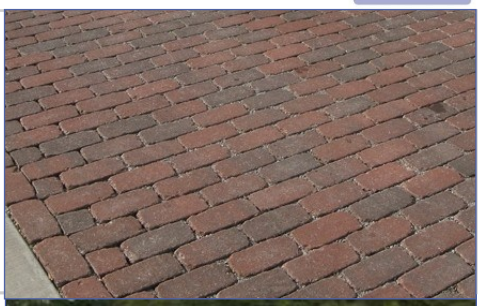
This project involved 1.5 miles of mill and overlay, widening o f the existing road, the addition of an additional section of sidewalk and new storm sewer design. Metropolitan St. Louis Sewer District required water quality facilities along the roadway. Rain gardens were designed as part of this project. Hart acted as a sub consultant in charge of the preliminary layout of the design plans, a new stormwater alignment, and area inlets. Hart assisted with a redesign of the curve and profile change. The widening of the road impacted many properties. Hart was actively engaged with the community and hosted a neighborhood meeting to address questions and concerns. The project also included extending new sidewalks a long one side of the roadway to allow pedestrians to travel safely through the neighborhood. Permeable pavement was utilized for the sidewalks in order to decrease water runoff. Our firm also developed a new storm sewer alignment including the location and design for numerous new area inlets.

VINELAND SCHOOL ROAD IMPROVEMENTS: DESOTO, MO

The City of DeSoto improved approximately two miles of Vineland School Road. The project included curb and gutter, sidewalks, road renovation, new shoulder, and drainage ditches. Hart Engineering acted as a sub consultant responsible for the preliminary layout, storm water improvements, utility coordination, and construction observation. The layout of the improvements to the road included mill and overlay and widening. New curb and sidewalks were added along with signs to make the road friendlier to pedestrians and bicyclists. Several cross streets required handicap ramp improvements. The project involved not only coordination with both the city of DeSoto and Jefferson County, but also with the local utility companies. Hart was able to actively provide constant communication with the utilities in order to avoid construction delays. Hart also provided construction observation and administration to ensure the project was executed correctly to meet deadlines for budget and time.

BPS GREEN ALLEY PHASE II PROJECT : CITY OF ST. LOUIS

The City of St. Louis had several phases of constructing Green Alleys to replace old brick and patch pavement alleys with permeable pavers. Phase II included three alleys south of Tower Grove Park and west of Grand Boulevard. Phase II includes three alleys south of Tower Grove Park and west of Grand Boulevard. By replacing the existing alleys with a pervious surface, they reduced the amount of runoff entering the combined sewer system. Thus they increase the capacity of the existing pipes and reduce the possibilities of back-ups and basement flooding. Hart was a sub consultant on this project.

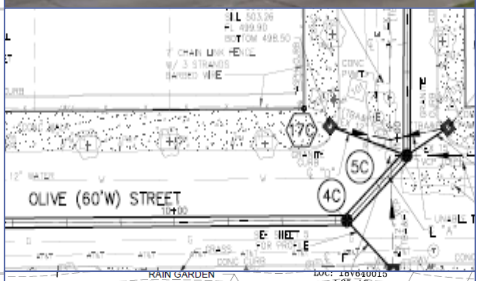


WELDON SPRING PARKWAY IMPROVEMENTS: WELDON SPRING, MO

Hart Engineering was a subconsultant for this project for the city of Weldon Spring. This project included major improvements to Weldon Spring Parkway including 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.

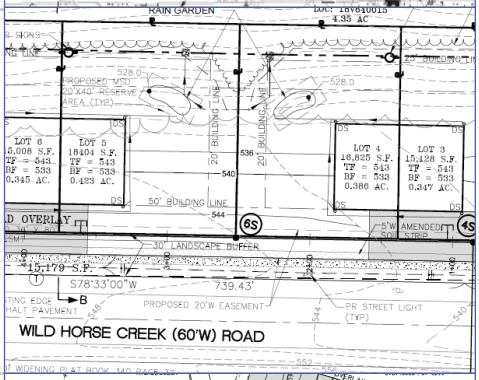
OLIVE/WASHINGTON (CONTRACT B): ST. LOUIS MSD

Hart served as a subconsultant on the project in charge of utility coordination and regulatory requirements research. We utilized our key contacts at the major utilities to receive prompt replies and maps of existing facilities. The project location also required contact with the City of St. Louis and the St. Louis Streets Departments to obtain information on needed permits or requirements. Obtaining this information was critical to the project as construction affects a city street.



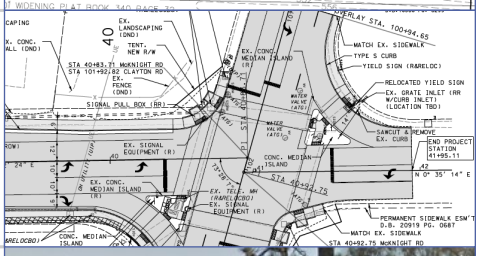
WILD HORSE BLUFFS: CHESTERFIELD, MO

Wild Horse Bluffs is an undeveloped five-acre property in the planning stage for a subdivision with plans designed by Hart. Storm and Sanitary sewers were designed, as well as grading and retaining walls. A sidewalk is proposed along MODOT right-of-way. This design has involved several major changes to the site plan throughout the course of the project. The number of lots to be developed has been modified throughout the project. There have also been changes to the portion of the project located in the MODOT right-of-way. Hart was willing and able to make these design adjustments to meet the client's demands. This project involved approval from the City of Chesterfield, MODOT, MSD, the Chesterfield Airport, Union Pacific Railroad, and the Levee District.



MCKNIGHT ROAD IMPROVEMENTS: RICHMOND HEIGHTS, MO

This current project in Richmond Heights involves numerous improvements along McKnight Road between Godwin lane and Clayton Road. The improvements include a new mill and overlay, signal replacement, sidewalk addition, ADA, improvements, and storm sewer installation. Hart is acting as a sub in charge of utility coordination, drainage design, and other tasks as needed.



WEST COUNTY DENTIST: DES PERES, MO

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.