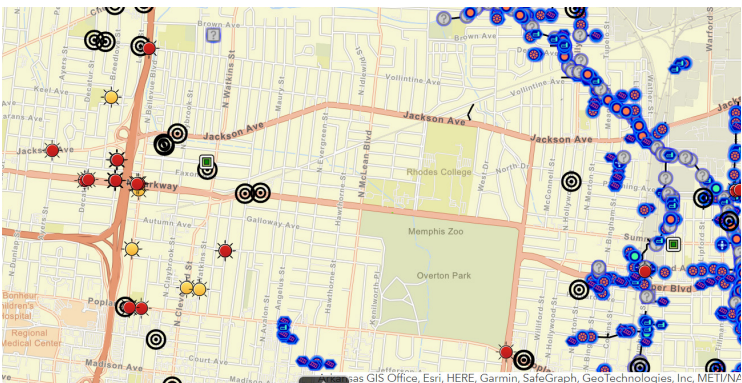
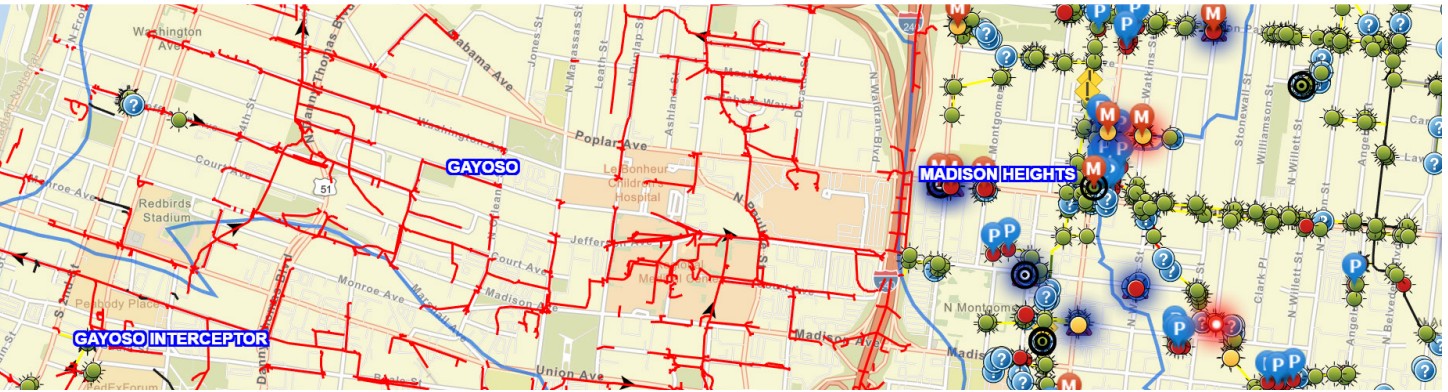




Geographical Information Systems
 UNLEASHING THE POWER OF GEOSPATIAL INTELLIGENCE



MSJZ Infrastructure Data Collection Stats		Number of Drainage Inlets	Pipes/Culverts Length (Miles)
<ul style="list-style-type: none"> Structure Line Assets - Field Survey Concrete Open Concrete Closed Field Survey 		57,764	1,541.42
<ul style="list-style-type: none"> Drainage Study Basin Study Year 2015 2016 		15,121	286.91
<ul style="list-style-type: none"> Pipes/Culverts Length (ft) By Diameter 12" - 60" 14.15% 48.30% 36.61% 1.94% 27.25% 24.97% 21.08% 18.15% 	<ul style="list-style-type: none"> Structure Assets - Types Number 1.8% STRUCT_CO PIPE PIPE_END_36 PIPE_END_48 PIPE_END_60 HEADWALL 15% DMR21_2A 	160.61	21,155
		48.85	4,764
		7,875	195.82
		1,582	37.53
		15,121	286.91
		160.61	21,155
		48.85	4,764
		7,875	195.82
		1,582	37.53



Mapping a clearer future

Allworld Project Management's team of highly capable professionals is skilled in guiding and implementing comprehensive Geographical Information Services (GIS) needs accurately, in a timely manner, and within budget.

Businesses and public entities demand GIS to be built upon correct and comprehensive data that sustains different uses for daily organizational performances. Allworld partners with you to custom-fit a robust geospatial dataset to realize the full potential of GIS.

Core Services



Project Management



Data Collection & GPS Location



Asset Management



Application Development Services



Automated Processes



Customized Dashboards



Environmental and NEPA



Contract Compliance



Construction Engineering Inspection

Industries Served

- Engineering & Industrial/Technical Firms
- Local Municipalities
- Architectural, Engineering and Industrial Technical Firms
- Construction and Development Companies
- Sustainability and Green Tech Businesses
- Commerce and Global Trade Companies
- Transportation & Logistics
- Medical and Health Provides
- Aerospace & Aviation Companies
- Public Schools & Utilities
- Professional Services

Examples of Project Profiles

- City of Memphis Stormwater Mapping + Modeling Projects
- Memphis Sewer Assessment + Rehabilitation Project (SARP10)
- Memphis Stormwater Program (MSQ2)



City of Memphis Stormwater Mapping & Modeling Projects

LOCATION: Memphis, TN

CLIENT: Various engineering firms



PROJECT DESCRIPTION

The City of Memphis embarked on a stormwater program to alleviate flood-related issues and outlined a program structure similar to the 10-year Sewer Assessment and Rehabilitation Program (commonly referred to as SARP10). In 2019 the City issued an RFQ for Stormwater program manager (SWPM) services. After submittals, evaluations, and interviews, Allworld Project Management was selected and awarded a contract to lead the program. As an example, a summary of our work on the Cane Creek modeling effort is provided below:

CANE CREEK WATERSHED

The Cane Creek Watershed has a total drainage area of 5,110 acres. For the hydrologic component of the modeling, Cane Creek Watershed was divided into 297 sub-basins using the Digital Elevation Model (DEM) from 2012 Shelby County LiDAR data. Initially, the sub-basins were delineated with a minimum size of 100 acres. InfoSWMM was integrated with ArcGIS and used to simulate and predict existing and proposed conditions for the effective management of urban stormwater systems for both existing and proposed conditions. The results of the model were used to identify locations of existing condition flooding and to identify appropriate Capital Improvement Projects (CIPs) to address existing flooding problems.

OUR ROLE

2015-2021

AWPM participated extensively in the effort to study and plan improvements to the City's stormwater infrastructure. Of the 21 studies awarded, Allworld has participated in 7 studies. These stormwater modeling projects include significant data collection and verification, GIS development, and stormwater modeling in a SWMM modeling environment (via InfoSWMM).



Memphis Sewer Assessment & Rehabilitation Program (SARPI0)

LOCATION: Memphis, TN

CLIENT: Black & Veatch

PROJECT VALUE: \$250 Million



PROJECT DESCRIPTION

The Memphis Sewer Assessment & Rehabilitation Program (SARPI0) is a City of Memphis-led program designed to minimize sanitary sewer overflows (SSO), assess and improve the City's waste-water collection and conveyance system, a nearly 3,000-mile network of underground pipes and force mains.

OUR ROLE

2013-PRESENT

AWPM is responsible for daily management and oversight of field activities; which involves many contractors and subcontractors collecting condition assessment data. This effort includes on-site representation and inspection of field activities, office-based planning and reviews, GIS-based tracking of assessment activities, regular contractor meetings, and coordination with local agencies to minimize potential conflict or community concerns.

AWPM manages the GIS resources and system for the program. This effort includes reviewing large amounts of data generated from the field assessment activities, including reviewing every CCTV video to verify the NASSCO-based rating systems are being applied properly and performing QA/QC checks on the system data received from the assessment contractors.

AWPM plays a major role in the program's planning and implementation of engineering-related work. This effort includes evaluating the information generated from the field activities and working with the program team to develop recommendations for future construction activities. AWPM staff also manages and facilitates the design and construction activities, including oversight and review of design activities and coordination of easements and permitting concerns.

Lastly, AWPM manages the loan and grant application processes for the program. This effort includes coordinating between the City, program, and appropriate government entities.



Memphis Stormwater Program (MSQ2)

LOCATION: Memphis, TN

CLIENT: City of Memphis

PROJECT VALUE: \$21 Million



PROJECT DESCRIPTION

The primary focus of the MSQ2 Program is to address flooding issues in the City of Memphis. The approach is to proactively identify areas at risk of flooding and find ways to mitigate those risks.

OUR ROLE

2019-PRESENT

As program manager, AWPM is responsible for completing all of the program elements, including planning, administration, finance, construction management, engineering, GIS and data management, and public relations communications.

Allworld performs the following scope of work for the program:

- The review and approval of construction bids, construction schedules, and shop drawings
- Performance of field observation and reporting, perform construction inspections, and the review and approval of construction payments.
- Assisting City staff with the integration of stormwater projects into the City's GIS data
- Providing asset management services, including asset inventory, mapping, and condition assessment
- Tracking, monitoring, and reporting on project progression and program budget; developing strategies to control the cost of all design, management, and construction costs.
- Providing design management services to include: consultant selection, assistance, scope review, drawing reviews, value engineering, constructability reviews, schedule adherence, and invoice processing.
- Assisting with public outreach material and meetings to inform external stakeholders of the requirements, goals, construction opportunities, costs, and merits of the stormwater program.
- Serving as a technical resource to the City and facilitating interface with the appropriate regulatory agencies as requested.