

A construction site scene with a large pipe in the foreground and workers in the background. The image is overlaid with a semi-transparent blue filter.

IKSA

A · DYNAMIC · PERSPECTIVE

MUNICIPAL

A DYNAMIC PERSPECTIVE SINCE 1978.

Municipal work is the foundation of KSA. When wastewater treatment (as we know it today) was in its infancy, KSA was instrumental in helping Texas cities improve the way their wastewater was processed. We encouraged communities to take advantage of governmental funding made available through the Clean Water Act, and helped to purify the water in our lakes and streams.

KSA TODAY

Because of the success generated from our early wastewater work, we expanded naturally into other municipal service offerings. Today, KSA is an industry leader providing a broad range of consulting, management, engineering, architecture, planning, surveying and construction services for hundreds of cities, counties and water districts around the country.

LONGEVITY

Many of the relationships formed during our early years are still thriving to this day. There's something satisfying about long-lasting relationships. KSA has nurtured many professional relationships that have endured for decades. We have become a part of the communities in which we work, and invest in their welfare. We provide solid, common sense engineering practices and excellent customer service, and they provide us with the pleasure of their repeated business. We've helped our clients change and grow to meet demand, and continue to walk beside them at every turn.

AN EXTENSION OF YOUR STAFF

We have a team of engineers and architects, skilled and ready to become an extension of your city's engineering staff. Our long-term history with municipalities provides us with a large pool of experiences to draw from. Despite the size of your community, we can advise you on the best options that add improved service, safety and convenience to your neighborhoods.

We understand that our clients have to work within tight deadlines and even tighter budgets. We help them navigate comfortably between their needs, budget and schedule to come up with solutions that improve the way their communities function.

THE SATISFACTION STRATEGY

We provide the type of service that will make you want to use our services again and again. We understand municipal leaders are busy, and infrastructure concerns may not always be at the top of their list. When KSA is hired for a job, we become the eyes and ears of your community's infrastructure and public works. We'll help you manage those issues so you can focus your energy elsewhere. Unlike many of our competitors, we have a team of on-staff Resident Project Representatives (RPR) who provide daily oversight of each project and ensure quality work and conformance with contract requirements. We are devoted to improving the quality of life in your community.

ON THE COVER: METHVIN STREET, LONGVIEW, TX

Municipal work is the **foundation** of KSA.

PHOTO: SCI-PORT SPACE CENTER, SHREVEPORT, LA

Services

ENGINEERING

We provide civil, mechanical and electrical engineering services for community facilities, such as water and wastewater treatment plants, street and drainage improvements and recreational facilities. We commonly assist cities with the development of capital improvement plans for infrastructure needs. We utilize all our resources to provide long-term, high-quality, functional solutions.

Adequate **water** supply and wastewater treatment capacity are always critical components of a city's ability to grow. The way a community handles its water supply is directly proportionate to its health, vitality and expansion. We serve both public and private sector clients in the areas of water and wastewater treatment, water transmission and distribution and wastewater collection systems. We specialize in the modification of existing water and wastewater treatment plants to meet evolving national, state and local treatment standards. Our staff performs all facets of permitting, treatability studies, design, construction administration and operational training.

Our mechanical and electrical engineers focus on providing detailed designs for water and wastewater treatment, distribution and sewage lift stations. Our subsidiary, BLOC Design-Build, LLC, can provide a host of custom-designed instrumentation solutions for water and wastewater systems, including sensors that monitor tank levels, flow meters and automated pump operations. BLOC can program your water and wastewater system to auto-correct and perform sequential or logical sequences to process more wastewater and generate more useable water with less manpower.

Experience with major **drainage** projects, coupled with the latest computer technology, enables KSA to design and implement innovative drainage solutions. We have in-depth knowledge of Federal Emergency Management Association (FEMA) procedures for letters of map revision (LOMR) and conditional letters of map revision (CLOMR) coordination. Our use of hydrology and hydraulics (H&H) modeling programs allows us to confirm impacts of drainage modifications to sensitive sites and design sustainable drainage solutions.

KSA has extensive experience in **street** and **road** development and improvements, and we work with municipalities and state agencies for street assessments, safe street programs, capital improvement plans, street reconstruction and extension design and other street-related services.

PHOTO: WATER TREATMENT PLANT, TYLER, TX

Services

ARCHITECTURE

KSA provides architectural design services to local, state and federal entities for health and safety purposes, leisure and employment. Our municipal buildings such as courthouses, community centers, city halls, libraries, fire stations and police buildings serve the citizens of the local community. We provide aesthetically pleasing facilities that are durable with low maintenance finishes.

PLANNING

The difference between success and failure is usually in the plan... or the lack thereof. Planning is critical to organized growth. Whether you're a municipality exploring short, mid or long-range capital improvements, planning is essential. Our planning services for municipalities typically begin with a study or an infrastructure assessment. From there, our experts devise a plan of projects that are thoughtfully prioritized.

Our **environmental** focus is centered on the execution of your project while ensuring regulatory compliance. Our staff leads teams that perform, analyze and report the impacts of wetlands, natural and cultural resources and hazardous materials on each client's project, evaluating, designing and implementing mitigation plans that are compliant and cost-effective.

SURVEYING

Surveying, which is often the first course of action before design starts, establishes land boundaries and topography. KSA utilizes the latest technological advances to provide accuracy in survey measurement and to ensure designs are compatible with the environmental and topographical conditions of the communities we serve. Our surveying and mapping teams work with a diverse group of clients, including private developers, municipalities and state agencies.

Our geographic information system (**GIS**) specialists regularly work with geo-databases for environmental and infrastructure data management and apply that technology to municipal systems. Our areas of competency include master planning, spatial analysis, GIS 3D analyses, least cost pipeline corridor analysis, flood modeling and flood plain analysis and pipe line corridor planning.

PHOTO: WATER AND SEWER EXTENSION, MARLIN, TX

Funding

We have helped our clients find money. Let's face it: available funding often dictates between what could be, and what is. This is especially true with municipal projects. Community leaders are often limited because of a lack of funding. We are aware of these issues and have a solution. At KSA, we make it our duty to help our clients find sources of funding so they can pursue much-needed infrastructure projects, in many cases, at no local cost.

First, we work with our clients to identify what work is needed. Then, we help them package their needs to present to state and federal agencies for financial assistance programs.

GRANTS

We work with grant consultants and provide them with the necessary technical information to support the grant application process. We have had tremendous success working with communities to secure competitive grants. It is important to us to stay abreast of ever-changing state and federal grant program rules and regulations. This gives us a competitive edge, and helps our clients score well and justify their projects to scoring committees.

LOANS

We are happy to put the entire loan package together, working directly with individual municipalities. In Texas, for example, these are often State Revolving Fund (SRF) low interest loans for water and sewer improvements. In addition to helping our clients secure loans, we also help them secure loan forgiveness by participating in various loan forgiveness programs across the country.

BONDS

By working with city financial advisors and providing them with technical engineering information, we help our clients secure bonds to fund needed projects in their communities.

RATES

We have helped our clients discover funding options within their own budgets. We have also put our clients in contact with our financial partners who can conduct rate studies to help them develop a plan to generate funds from their own revenue streams.

We have helped our clients find **money.**

PHOTO: STACY ROAD, FAIRVIEW, TX

Aging Infrastructure

The gift of time goes hand-in-hand with the burden of responsibility and maintenance. Many of our country's water systems, for example, were put in place in the 50s and 60s before the establishment of the Clean Water Act, which regulates the discharge of pollutants and the quality of surface waters. These systems alone are in dire need of attention. As these systems – and other physical structures and facilities – age, they must be evaluated and given the proper care to avoid failures that result in unnecessary expenditures in an emergency situation.

TO REPLACE OR TO REPAIR

Decades of experience bring with it a keen level of understanding. We know funding is limited and infrastructure needs are many. So, whenever possible, we opt to repair and repurpose structures rather than starting from scratch. At a wastewater plant, for example, old clarifiers can be repurposed and used for chlorination or aeration, saving valuable time and resources. At KSA, we take the time to investigate cost and asset-saving alternatives that achieve the same end goal, for far less money.

When compliance agencies come knocking on your door, don't panic. Many municipalities run into trouble when these agencies get involved because they are fearfully persuaded to overspend. Our engineers think critically and devise reasonable solutions that comfortably fit into your financial plan. We delight in finding creative ways to save you money.

ASSET MANAGEMENT

Your city's infrastructure is a valuable commodity that should be preserved and protected. Our geographic information system (GIS) specialists can take a detailed inventory of your community's infrastructure. From there, we can conduct a condition assessment to determine the state of these structures and facilities. With that information, we can determine what needs to be updated or upgraded, and prioritize those needs according to the budget. This type of asset management provides a framework to determine how much of the city's budget should be dedicated to infrastructure maintenance.

The gift of time goes hand-in-hand with the burden of **responsibility** and **maintenance**.

PHOTO: HAUL ROAD BRIDGE, HALLSVILLE, TX

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