



GIS & GEOSPATIAL TECHNOLOGY SERVICES DIVISION

GIS Services

- ArcSDE Setup, Tuning, & Configuration
- Cartographic Map Production
- Database Design
- Data Capture, Conversion, Migration & Scrubbing
- GIS/CAD Training
- Mobile Mapping (ArcGIS Mobile)
- Needs Assessment & Gap Analysis
- System Implementation & Assistance
- Web Mapping (ArcGIS Server)
- Wet & Dry Utility Inventory & Assessment

GIS Solutions

- Topographic Mapping
- Signage Wayfinding & Retroreflectivity Assessment
- Right of Way Analysis
- Section 8002 Impact Aid Program Department of Education
- Master Drainage Plans & Hydrologic Modeling
- 3D Laser Scanning
- 3D Modeling
- Google Earth Integration
- FEMA Mapping
- Aerial Imagery Acquisition
- Traffic & Transportation Analysis
- Urban Design & Planning Analysis

GIS & Geospatial Technology Services...

Since 1986, Rick Engineering Company (RICK) has been a pioneer in using Geographic Information Systems (GIS) technology and geospatial data in the consulting engineering industry. Today, we continue to develop innovative GIS solutions and fully integrate our expertise with all of our company services, especially our Civil Engineering, Planning, Traffic, Water Resources and Survey Divisions, to provide our clients with complete project solutions.

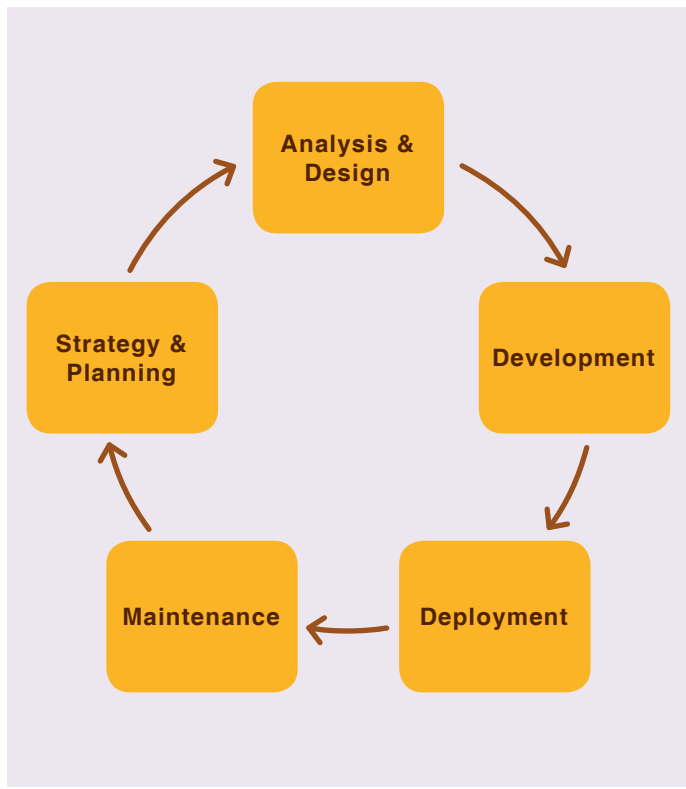
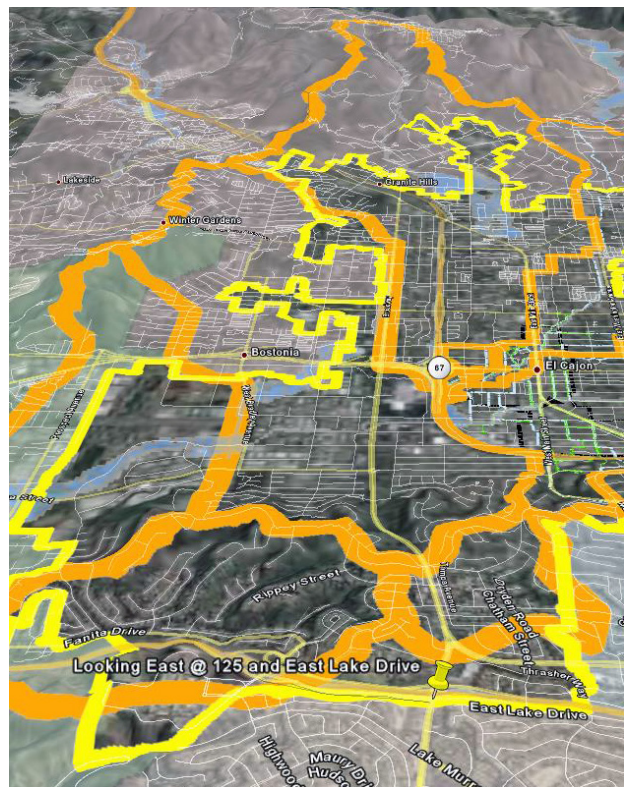
People, places, and projects drive the approach we apply to our wide range of GIS projects. People use GIS to understand their connection and relationships to places and projects to help design spatial solutions for a wide array of business practices. The range of projects may include acquiring destination directions, finding the nearest water valve in the event of a water main break, evaluating land use opportunities and constraints, and visualizing the impact of proposed construction. RICK is here to help develop innovative GIS solutions to meet our client needs.

RICK ENGINEERING COMPANY

We are RICK – a privately owned firm with a 57-year history of extraordinary work completed for a multitude of private and public clients across many disciplines. Using refined cutting edge technology that offers new resources and allows RICK's expertise to be readily available in every office locality, our capabilities create a one-stop solution for even the most complex projects.

Our clients tell us that they understand and value the benefits of working with a company personified by demonstrated leadership; employee training, teamwork, longevity and expertise; results-based corporate culture; commitment to community; and our hallmark: lasting client relationships.

- Cambria CSD Fire Engine Bay Wall Map & Map-Run Books
- City of Beverly Hills Centerline Tie Replacement Program
- City of El Cajon Storm Drain Inventory/ Drainage Master Plan/Storm Water Fee Calculation
- City of Nogales Water Meter Inventory
- County of San Diego FEMA Community Rating System
- County of San Diego Master Drainage Plans (SDA's 1,3,7,8 & 10)
- Downtown San Diego Wayfinding Inventory & Programming
- FEMA Floodplain Encroachment Study: Inventory/Recommendation/Priority
- Highest & Best Use Determination, Section 8002 Impact Aid Program for San Diego, Oceanside, & Fallbrook School Districts
- Nipomo CSD GIS Implementation & Maintenance
- Port San Luis Harbor District GIS Facility Base Map
- San Luis Obispo Council of Governments Salinas River Trail
- Santa Cruz Wayfinding & Signage Program
- SDCWA Right of Way Analysis
- Sunnyslope County Water District Wastewater GIS



Infrastructure Mapping

Knowing the exact location, condition, and capacity of your infrastructure assets is crucial for proper planning, design, and maintenance of your system. RICK works with our clients to develop comprehensive and user-friendly information systems to efficiently edit, store, manage, and disseminate vital infrastructure information. Where we stand unique is our ability to enhance our GIS products with the many additional services offered by our firm. Our surveyors can assist by providing survey-grade GPS information; our engineers can plan and design infrastructure facilities; and our GIS staff can develop the information systems that can be used for planning, design, facility operations, and maintenance.

Wayfinding/Signage Systems

Developing a wayfinding program is as much about marketing, consensus building, and identity, as it is about planning, design, and maintenance. We work closely with our Planning Division to organize specific destination criteria into a central database, which can be used to analyze different elements of the overall wayfinding study. We know many municipalities are developing signage inventories to meet federal and state sign retroreflectivity requirements. Our GIS specialists and traffic engineers work together to build accurate inventories of existing signage systems, which can be used for sign assessment, management, replacement, and operation programs. By incorporating GIS and Google Earth, the database becomes an exciting interactive program that can provide dynamic visualizations and demonstrations of the study's goals.

Water Resources Analysis

RICK's Water Resources Division includes specialized water resources GIS modeling, design, and planning programs that have been applied to over 500 project sites throughout California, Arizona, and Nevada. Our expertise in Water Resources Engineering and GIS technology includes preparing small and large watershed hydrologic analyses and continuous simulation modeling, in addition to our extensive experience with designing extended detention basins, best management practices (BMPs), and integrated management practices (IMPs). Drainage master planning is an important step in the the development of a capital improvement program. With over 25 years experience and the first to use GIS, our plans grow with the community and take advantage of the latest drainage modeling tools and capabilities.

3D Modeling & Integration

3D is actively being integrated into every aspect of a facility project, from planning and design to construction and maintenance. Whether used on a wide scale, such as with drainage master planning, or more localized, such as studying a network of medical gas lines within the interstitial spaces of a hospital, 3D, combined with GIS, create powerful virtual worlds that allow users to visualize and make empowered decisions on a variety of project issues. RICK continues to invest in research and provide services that expand and leverage this integration to provide creative and unique projects, integrating technologies and concepts such as 3D laser scanning, mobile devices and Building Information Modeling (BIM) within our GIS solutions.

GIS Implementation & Training

At RICK, we value the working relationship we have established with our clients by successfully completing their projects. We understand the importance of providing our clients with continued support long after their project is completed. For a client to realize the full potential of their GIS investment, we provide on-going GIS training, data maintenance, and data deployment services. These services range from on-site data and software installation, online map service development, on-site or remote staff support, project management, GIS software training, and continued integration of GIS information and technology with the client's business practices.

A Vote of Confidence...

Rick Engineering Company is part of the global ESRI Partner Network. This vote of confidence in our expertise and qualifications from the GIS software Industry leader echoes the confidence our clients



have in our ability to meet their needs. Our core team includes certified Geographic Information System Professionals (GISPs), 3D Modelers, Licensed Land Surveyors, Graphic Designers and Programmers. We invite you to ask our many satisfied clients about our level of service over the past 20 years. Our active participation within GIS professional organizations, regional collaborations, and user groups allows us to give back to the profession and stay involved with the GIS community.



State-of-the-Art Technology...

Implementing the right technology at the right time is the key to a successful project. Technology is rapidly changing and with that comes research and choice. We listen to our clients, the end user, to determine their needs and develop the best, most user-friendly solution. We leverage our research solutions to create efficient processes for our clients, using such technology tools as those listed below:

- ESRI ArcGIS Online
- ESRI ArcGIS Desktop
- ESRI ArcGIS Server
- ESRI ArcGIS Mobile
- AutoDesk Map & Civil 3D
- Navisworks/Revit
- Bentley Microstation & InRoads
- Adobe 3DS Max/Illustrator
- Google Earth
- Trimble SketchUp
- Leica Geosystems
- Mobile Devices: iOS & Trimble
- AutoDesk Infrastructure Modeler

Contact us at any of these locations:

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CIVIL ENGINEERING

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WATER RESOURCES
ENGINEERING

SURVEYING & MAPPING

PHOTOGRAMMETRY

LANDSCAPE ARCHITECTURE

HIGH DEFINITION SURVEYING

GIS & GEOSPATIAL
TECHNOLOGY SERVICES

STORM WATER /
ENVIRONMENTAL SERVICES

URBAN DESIGN & PLANNING

REDEVELOPMENT

CONSTRUCTION
MANAGEMENT SERVICES

FORENSIC SERVICES

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