Transportation & Civil Engineering

Infrastructure for Safer Mobility, Stronger Communities, and Smarter Growth.



Apex Companies, LLC (Apex) delivers transportation and civil engineering solutions that help communities, public agencies, municipalities, developers, utilities, and private organizations plan, fund, design, modernize, and manage critical infrastructure—from early strategy and asset assessment through design, permitting, construction support, and long-term management. By combining technical expertise with practical implementation strategies and integrated environmental and water capabilities, Apex helps clients create resilient systems that support growth, enhance mobility, and improve quality of life.

Connected Infrastructure. Smarter Mobility. Lasting Performance.

Infrastructure serves as the foundation of thriving communities. Roads, bridges, utilities, public spaces, and transportation networks shape how people live, work, and move through the built environment. As communities grow and infrastructure systems age, organizations face increasing pressure to balance performance, safety, sustainability, regulatory requirements, and budget constraints. Successful projects require thoughtful planning, multidisciplinary expertise, and solutions that address both current needs and future demands.

Critical infrastructure shapes how communities grow, move, adapt, and compete. Roadways, bridges, utilities, public spaces, campuses, industrial sites, and transportation networks must perform safely and reliably while responding to aging assets, funding constraints, complete streets goals, resilient design needs, data-driven decision-making, and new mobility technologies.

SERVICES & SOLUTIONS

- Asset Management
- Geotechnical Engineering
- Civil Engineering
- Landscape Architecture
- Structural Engineering
- Survey & Geomatics
- Transportation

Apex helps clients translate these pressures into practical infrastructure programs—from early planning and condition assessment—through design, permitting, construction support, and lifecycle asset performance.

Our professionals support transportation networks, site development, utility systems, land planning, asset management, surveying, GIS-enabled decision-making, geotechnical engineering, structural engineering, and landscape architecture through coordinated teams that understand both public-sector delivery and private/institutional development requirements.



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Modern infrastructure requires more than technical design. Successful projects depend on multidisciplinary planning, reliable data, constructible solutions, resilient design, funding awareness, and lifecycle asset management that support safety, mobility, performance, and long-term value. Apex helps clients move from project need to delivered outcome through integrated solutions tailored to public agencies, utilities, developers, and private infrastructure owners.

Asset Management

As infrastructure ages and budgets become more constrained, informed decision-making is critical. Apex helps clients manage infrastructure assets by collecting and integrating condition data through assessments, inventories, GIS solutions, pavement management, ADA and Complete Streets evaluations, and utility mapping programs that improve planning, prioritize investments, and maximize long-term asset performance. From reactive repair to data-driven capital planning: Apex helps clients inventory assets, assess condition, prioritize investments, and build defensible capital programs.

Geotechnical Engineering

Successful projects begin with a clear understanding of site and subsurface conditions. Our geotechnical professionals provide investigations, foundation engineering, pavement design, retaining wall design, slope stability, liquefaction and seismic evaluations, and related engineering services that reduce risk, improve constructability, and support resilient infrastructure.

Civil Engineering

From site development to utility infrastructure, Apex delivers civil engineering solutions that support projects from planning through construction. Services include drainage design, permitting, land and infrastructure planning, peer reviews, construction management, landfill and solid waste engineering, mining infrastructure, and specialized site development, supported by laboratory services that help clients balance performance, sustainability, cost, and community needs.

For data centers, industrial campuses, logistics facilities, and commercial developments, Apex supports site civil planning, grading, drainage, utilities, permitting, survey, geotechnical coordination, and construction-phase support—helping clients move from site selection to operational readiness.

Landscape Architecture

Thoughtful planning and landscape architecture create functional, attractive, sustainable, and resilient public and private spaces. Apex's landscape architecture services include parks and recreation design, trails, streetscapes, Complete Streets support, urban design, campus and community planning, irrigation design, arboriculture, and green infrastructure solutions. Our teams help clients enhance the built environment, improve infrastructure performance, support mobility and accessibility, and strengthen community identity.



Structural Engineering

Reliable structures are essential for safe and effective infrastructure. Structural engineering services support buildings, bridges, industrial facilities, waterfront infrastructure, utility systems, and environmental structures through assessments, rehabilitation, and infrastructure improvements that enhance safety and durability.

For new and existing infrastructure, Apex supports clients with structural evaluation, design, rehabilitation, and construction-phase services across complex project environments. Our teams help identify deficiencies, extend asset life, improve resilience, and develop practical solutions that address safety, performance, constructability, and long-term infrastructure needs.

Survey & Geomatics

Accurate data drives successful projects. Apex delivers surveying, mapping, GIS support, utility locating, construction staking, lidar, hydrographic and drone surveying, and web-hosted GIS platforms that improve project accuracy, coordination, engineering design, and decision-making.

From early planning through design, construction, and asset management, Apex provides geospatial data and surveying solutions that give clients a clearer understanding of existing conditions. By integrating field data, advanced technologies, and GIS-based information, our teams help reduce uncertainty, improve coordination, and support more informed project decisions.

Transportation

Safe, efficient, and resilient transportation systems support thriving communities and long-term economic growth. Apex provides transportation planning, highway and street design, traffic engineering, corridor and intersection improvements, traffic calming, roundabouts, traffic studies, Construction Engineering and Inspection (CEI), Complete Streets, multimodal mobility, asset management, and transportation modernization services.

Apex also assists clients evaluating intelligent transportation systems (ITS), smart corridors, connected infrastructure, and autonomous vehicle readiness where funding, operations, and community needs align.

Apex supports communities preparing for the next generation of mobility through corridor modernization, signs and signals state-of-good-repair, Complete Streets, traffic operations, connected-intersection planning, and asset management programs that improve safety, mobility, and long-term performance.