The City of Los Angeles operates and maintains the largest wastewater collection system in the U.S. The system required repair or upgrades, resulting in the planning of a new sewer system—the Northeast Interceptor Sewer (NEIS) Phase II. The City awarded Kleinfelder a contract for geotechnical and environmental engineering services for this project.

**PROJECT RESULTS**
*The City of Los Angeles benefited from Kleinfelder’s ability to provide the necessary resources to meet the challenging project requirements, as well as our flexibility to adjust to changing schedules, innovative exploration solutions, and delivery of quality data for project design.*

**KEY CONCERNS**
Key concerns for the City included budget and schedule compliance, ability to complete the scope of services, and ability of the project manager to oversee all operations and deliverables. Critical path concerns for the City also included the field exploration planned on a local high-profile high school and drilling within the Los Angeles River. Another key concern was recovery of rock core in sedimentary bedrock units and collection of sufficient quality data for site characterization.

**FLEXIBLE SCHEDULING**
Kleinfelder worked closely with the City and school district to coordinate all activities. We were able to complete the surface geophysical surveys on the weekend preceding the spring break, while completing the borings and downhole geophysical surveys in four days during the spring break, thus avoiding a costly delay. To address concerns with the Los Angeles River, Kleinfelder improvised a modified exploration plan around the contractors schedule to complete a deep boring in the river bottom during two long days over the weekend. We also planned our field investigation in conjunction with City staff to enhance the collection of quality data.

**Location:**
Los Angeles, California

**Owner:**
City of Los Angeles, Bureau of Engineering