

JCK Underground BIO - This brief company bio provides information regarding our Company Focus, Markets, and Services.

Company Focus

JCK Underground's core objective is to assist our clients' successful execution of underground projects by applying our unique blend of expertise. The JCK Underground team's exceptional proficiency results from our extensive experience in developing **focused solutions** for tunnels and underground works, while maintaining a **broad-based appreciation** of those projects' wider goals. No matter what phase or size of project, JCK Underground provides an appropriate balance of capability from our multi-disciplinary team of seasoned engineers and construction managers. Through knowledgeable planning, engineering, and construction management, we help our clients achieve their goals by effectively identifying and managing the risks that are inherent to underground work.

Markets

For both public and private clients, JCK Underground extends specialist skills to a diverse range of market sectors. Working for owners, consultants, and construction contractors, we support and manage underground infrastructure projects within:

- Water and Wastewater
- Light and Heavy Rail Transit
- Roads and Highways
- Hydropower
- Utilities

People

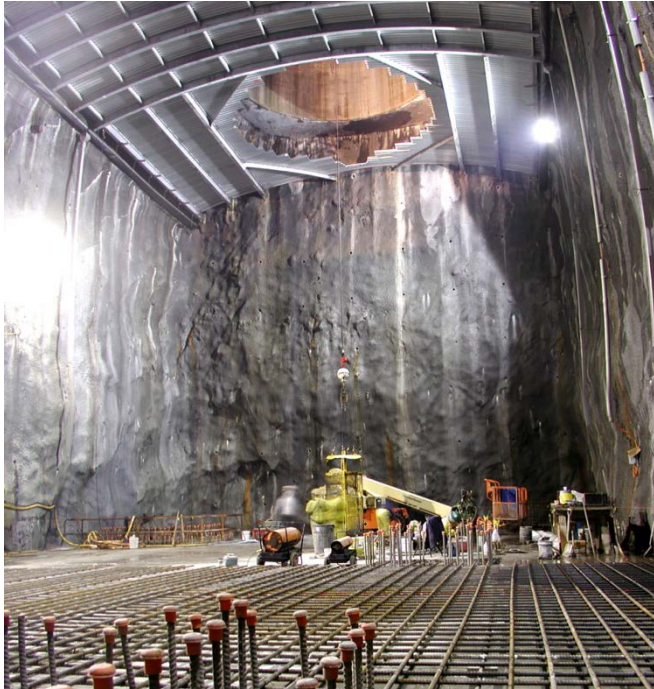
JCK Underground staff and their project experience are its biggest asset. The projects on which they participate benefit from their diverse backgrounds: construction, design, engineering, program management, and construction management. Personnel bios and resumes are available upon request.



JCK Underground staff provide program management services for DC Clean Rivers Project.

Services

From planning and conceptual design, through construction and commissioning, JCK Underground offers a comprehensive range of services. Through our experience, we understand that each client is confronted with a unique set of challenges and circumstances. We are nimble and able to readily customize our services to match our clients' needs and project challenges.



JCK Underground staff provided program, construction and design management for the NBC CSO Program (above and below).

PLANNING AND PRELIMINARY DESIGN

Conceptual Studies

Environmental Impact Studies

Alternative Analyses / Construction Impacts and Staging Requirements / Permitting Support

Facility Planning

Siting / Conceptual Design

General Program Management

Geotechnical Investigations

Geotechnical Data Reports and Interpretations

Preliminary Engineering

Alignment Selection / Establishing Design and Performance Criteria

Procurement Strategies

Risk Management

CONSTRUCTION MANAGEMENT

Change Order / Claims Support

Quality Assurance / Quality Control Support

Resident Engineering and Inspection

Risk Management

FINAL DESIGN

Constructability and Design Reviews

Front End Documents (Divisions 0 and 1)

Technical Specifications

Geotechnical Engineering and Reports

Investigations / Baseline Reports / Technical Analyses / Protection of Structures / Ground Improvement

Risk Management

CONSTRUCTION SUPPORT – DESIGN-BUILD

Design Coordination and Quality Control

Final Design Services (noted above)

Independent Design Peer Reviews

Quality Management

Risk Management

TBM and Equipment Peer Review

Additional Information

Detailed resumes and project descriptions are available upon request. Contact and additional information are available at www.jckunderground.com.

