

Means and Methods of Underground Construction

Kiewit Underground District

WEDNESDAY, September 3rd at NOON in BB W210
- Lunch Provided -

Underground construction is something many people have heard of but few have the opportunity to see. Kiewit Construction Company was founded in 1884 by Peter Kiewit. Over the past 130 years Kiewit has grown to become one of the most respected and diverse contractors in North America. Kiewit executes highly technical projects across all aspects of the construction industry. In 1962 the Kiewit Underground District was developed to capitalize on the growing underground and tunneling market. Come with the Kiewit Underground team to review past underground projects with an emphasis on the means and methods utilized to execute the work. The Kiewit team will highlight three primary tunnel excavation methods which will include Drill and Blast, Roadheader, and Tunnel Boring Machine (TBM) excavation. Our three presenters will utilize examples of past projects and their project experiences to explain the primary tunneling techniques referenced previously. This will be a great opportunity for you to learn more about the exciting underground and tunneling market, as well as ask any questions you may have about this specialized industry.



Sean Sladicka, Project Manager, Kiewit Underground District

Sean has seventeen years of continuous experience with the Kiewit Company in the tunneling and underground construction industry. Sean earned a B.S. in Structural Design and Construction Engineering from Penn State University and has worked on highly technical underground projects across the United States and Canada. He has held several supervisory positions throughout his career from Project Engineer to Operations Superintendent, and most recently Sean was the Project Manager of a drill and shoot hydro-electric project in British Columbia. Currently Sean is working in the Kiewit Home Office estimating department pursuing future underground opportunities across North America.



Patrick Martin, Project Engineer, Kiewit Underground District

Patrick has eleven years of experience leading the engineering functions of infrastructure and tunneling operations on projects ranging from \$200-\$280 Million in size. Patrick earned a B.S. in Construction Management from the University of Nebraska- Lincoln. He has worked on projects across the United States, including Illinois, California, and Nebraska, with an emphasis in Sequential Excavation Methods (SEM). Currently Patrick is working in the Kiewit Home Office with numerous underground and tunneling estimates with a focus on estimate project controls.



Colin Lyons, Project Manager, Kiewit Underground District

Colin has ten years of continuous experience in the Underground and Tunneling industry. Colin earned his B.S. in Construction Engineering, from the University of Nebraska- Omaha. He has worked on various projects on the West Coast. Most recently Colin spent over six years on our Devil Slide Tunnel Project in the San Francisco Bay Area. Colin has worked as a field engineer, safety manager, project engineer and general superintendent during his career with Kiewit. Currently Colin is working in the Kiewit Home Office estimating department pursuing future underground pursuits.

Questions? Dig in with us at uct.mines.edu or contact us uct@mines.edu

