

TIEBACKS | SHOTCRETE | SOLDIER PILES & LAGGING

SOUTHEAST CORRIDOR MULTI-MODAL PROJECT (TREX) DENVER, COLORADO

Schnabel was contracted to design and construct ten permanent walls for the Southeast Corridor Multi-Modal Project (TREX) in Denver, Colorado. The total wall length was around 4,000 linear feet with a total exposed face of over 82,000 square feet. The walls varied in height from 15 to 28 feet. The walls were constructed using steel soldier beams with timber lagging between. Lateral support for the walls was provided by one or two tiers of permanent tiebacks. The tiebacks were also designed to take the additional load from the sound walls and crash barriers attached to the top of the walls. In addition to the tieback walls, Schnabel also installed over 117 permanent tieback anchors for bridge abutments at three locations. The tiebacks were both pressure injected and open hole rock tiebacks and measured up to 85 feet in length. A 10-inch thick permanent shotcrete facing was constructed on the surface of the lagging.

Owner: Colorado Department of Transportation

General Contractor: Kiewit

Design/Build Specialty Contractor:

Schnabel Geostructural Design & Construction



For more information on this project or any other of our projects please contact Schnabel at:

