



Project News

BEUMER Group to build a long-distance Overland Conveyor for Coal Mine Expansion in USA

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Denver (CO), United States -

BEUMER Group has been selected by Warrior Met Coal ("Warrior") to support the expansion of Blue Creek Mine, a new state of the art underground longwall mine of high quality steelmaking coal. The extracted steelmaking coal will be processed at the surface in a coal preparation plant before being moved over nine miles (14 km) to a train loadout station.

The BEUMER Group recently secured the order from Warrior to design and supply a single-flight curved overland conveyor for this 1,500 Short Ton Per Hour (STPH) transport system. Daniel Schmillenkamp, CEO of BEUMER Group Canada, comments: "In cooperation with Warrior, we addressed the project-specific challenges. The design and implementation are a testament to our commitment to innovation and customer-centric solutions."

The project presented some challenges due to the difficult and hilly terrain of the proposed transport corridor. To find the most efficient solution, Warrior explored various transportation methods, including rail, troughed, and pipe conveyor systems. Over the past 12 months, BEUMER Group has worked closely with Warrior to identify the most economical and technically feasible transport method

and optimal route, resulting in a single conventionally troughed conveyor with 18 horizontal curves.

Philip Saunders, Senior VP-Engineering at Warrior, commented that “BEUMER's holistic approach and our very close working relationship allowed us to expedite the design and procurement phase to move toward the completion of this time-sensitive project at a pace rarely seen in the coal or mining industries.”

BEUMER Group is responsible for engineering and procurement of all structural, and mechanical components and multiple E-Houses with VFDs, MCCs, and PLC control systems. The conveyor system will utilize nine load-sharing drives to limit the overall belt tension.

BEUMER's Director of Sales, Peter Sehl, explained that this project utilizes innovative and proprietary conveyor engineering and design tools to support the fast construction schedule. "With over 5,000 tons of steel for ground modules and elevated sections, 47% of the conveyor flight will be elevated to avoid natural features and minimize earthworks."

The overland conveyor is expected to be operational by the end of 2025.