MAXON
INDUSTRIES, INCORPORATED

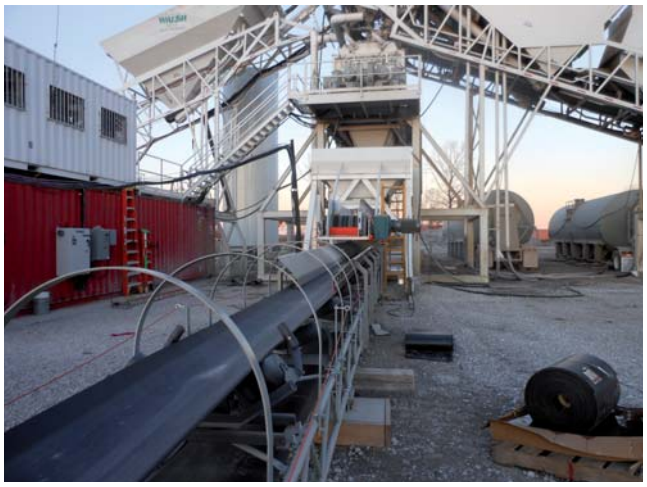
Agitors, Surgecrete, Conveyors, MXTB, TB 130

Walsh Construction Group Cannelton Hydroelectric

Job Report

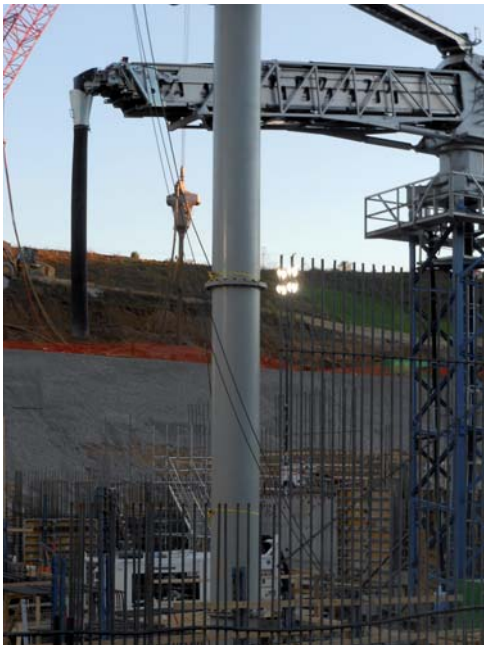
Walsh Construction Group completed construction of the Cannelton Hydroelectric Power Plant adjacent to the existing Cannelton Lock and Dam on the Ohio River. Walsh assembled a central mix concrete batch plant onsite and utilized an overland conveyor to transport and place nearly 100,000 cubic yards of concrete for the intake approach channel, powerhouse, and tailrace. Maxon, in conjunction with Putzmeister America and Continental Conveyors (Marco), supplied the entire concrete transportation and placing system. Equipment included: Maxon Surgecrete, Maxon Agitors, Marco Overland Conveyor, Putzmeister MXTB 130 Tower-Mounted Placing Conveyor, and Putzmeister TB 130 Truck-Mounted Placing Conveyor.

Central mix batch plant with twin shaft mixer was erected approximately 1,200 feet from the powerhouse concrete placement.



A surge hopper with independent charge gates was positioned under the plant, providing constant metered concrete feed to the 24" overland belt system.

The overland belt conveyor system consisted of 600' (182m) of standard conveyor with supports every 32' (10m), and 600' (182m) of truss conveyor with supports every 98' (30m).



The MXTB 130 shown in the retracted position. The pipe support in the foreground was the transfer tower for the feed conveyor.

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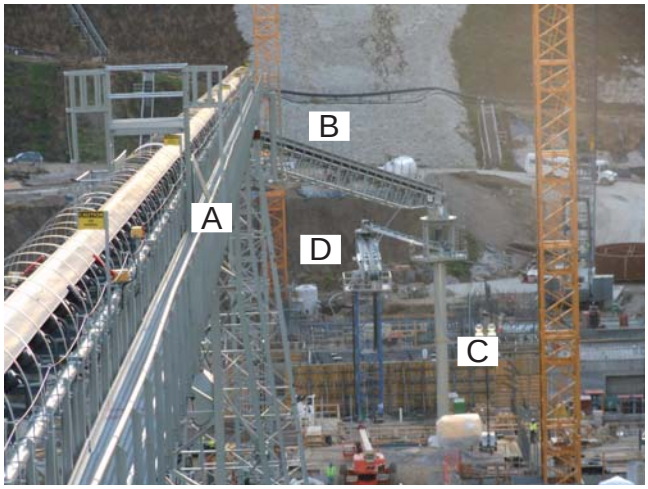
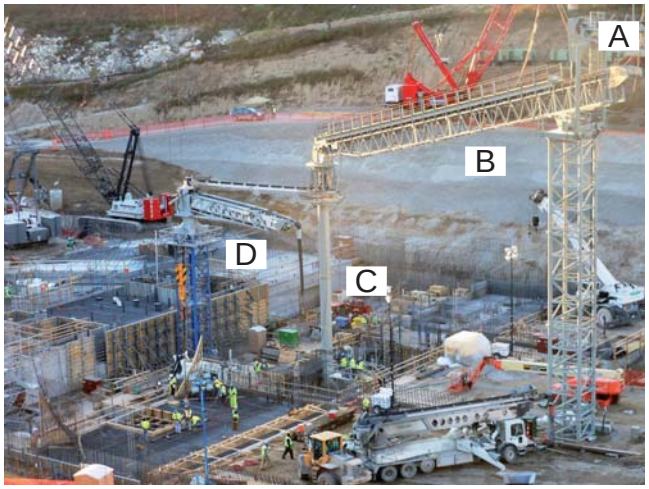
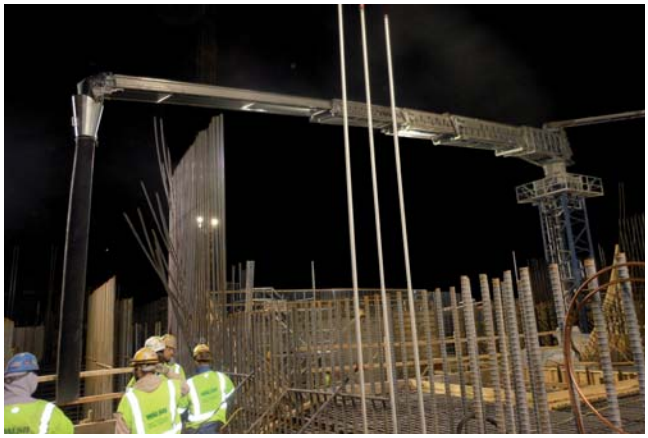




The 1200' overland conveyor (A) transfers concrete to a climber conveyor (B) that is adjusted to meet the powerhouse elevation. The post-mounted transfer (C) feeds concrete to the MXTB 130 (D). The MXTB 130 could be moved to several different locations to provide complete project coverage.



MTXB places powerhouse concrete in dense rebar configuration. Unique MXTB 130 design allows placement of large aggregate concrete (non-pumpable).

Walsh utilized truck-mounted Maxon Agitors and a truck-mounted Putzmeister TB 130 to transport and place concrete on lower level foundation and mat pours.

Maxon Surgecrete (A) accepts soil cement from end dumps (B) while continuously feeding telestacker (C) during construction of left and right embankments. A dozer (D) and soil compactor (E) distribute and compress each lift. The face of the embankments were protected with precast panels (F) for upstream erosion control.

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