

Underground creek bypass allows airport to operate during culvert repairs



Five DV300i pumps moved 22,000 GPM in sub zero temperatures.



To allow the bypass to be routed under the airport, the HDPE pipeline was suspended on engineered bracing.



Rain for Rent's pump watch employees had to remain vigilant and break up ice blocks before it clogged pump suction lines.

A Colorado regional airport needed repairs made to a 12-foot culvert beneath the two runways during freezing winter weather. The airport, which serves as a primary source of winter travel for tourism and local residents, could not risk flight interruptions. A creek passed under the runways via the culvert, with up to 50 CFS flow. The stream had to be diverted in order to allow repairs to be made.

They called Rain for Rent to provide five DV300i pumps and fused HDPE pipe for the 22,000 GPM bypass.

Rain for Rent engineered bracing inside the culvert to support the HDPE pipeline, allowing the bypass system to remain totally underground during repairs.

Because the bypass operated 24 hours a day, with temperatures reaching 20 degrees below zero, preventative measures had to be taken to ensure the equipment and pump operations crew never froze.

The contractor partnered with Rain for Rent due to their past large-flow bypass experience. The culvert repairs were completed on schedule without flight delays or cancellations at the airport, thanks to the expert collaboration between the contractor and Rain for Rent.



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