

Burt-Izard LIFT STATION IMPROVEMENTS



PROJECT SCHEDULE:

- Start-up activities began Q2 2021 and will extend into Q1 2022. The South Interceptor Force Main Segment was placed into operation in Q3 2021 as part of the start-up activities.



PROJECT LOCATION:

- In the Burt-Izard Basin, located just south of the Bob Kerry Pedestrian Bridge and between Riverfront Drive and the Missouri River

The existing Burt-Izard Lift Station was originally constructed in the 1960s and initially had a capacity to pump 50 million gallons per day during wet weather events. However, because of significant grit loadings to the facility, the condition of the old South Interceptor Force Main, and the historical lack of treatment capacity at the Missouri River Water Resource Recovery Facility (MRWRRF), the facility only operated at 25 million gallons per day during wet weather events.

The lift station improvements included upgrades to the grit building and overall grit handling capacity, bar screen room and lift station. The improvements required upgrades to the electrical, structural, architectural, instrumentation, heating, ventilation, air conditioning and process elements of the facility to meet new code requirements and for operations and maintenance of the upgraded facility. The improved facility restored the firm capacity of the facility to pump 50 million gallons per day into the new South Interceptor Force Main for subsequent treatment at the expanded and upgraded MRWRRF.

