

WSF 2019 ANNUAL REPORT #5187

(Nebraska Bostwick Storage Enhancement and Retiming Project)

This report is the second annual report since the application for this project was awarded funding.

The employees of Bostwick Irrigation District in Nebraska (NBID) have modified all of the Franklin Canal check structures to accommodate the installation of the Rubicon automated gates. Rubicon crews installed gate structures from the Harlan County Reservoir down to check structure 17.2 before the 2018 water season. They had planned on finishing the structures in the fall of 2018, but the cold, wet weather allowed them to only get to check structure 27.9. The weather has been detrimental to further construction, however, they plan on sending several crews down the first part of April to expedite the construction process. All the gates that were installed were finished to the point that the NBID employees were able to operate the gates manually during the 2018 water season.

The Rubicon computer server and technical equipment are in the Rubicon office in Fort Collins, CO and will be in place in the Red Cloud office before water season. Radio antennas will be installed at the Red Cloud and Franklin offices to relay information to and from each gate site.

All of the gate structures have been delivered and are awaiting their crews to finish installing them. All funding for in-kind services such as labor, materials and equipment used to prepare each check structure and to install the gates was paid for and recorded by NBID. Currently, the plan calls for all of the \$3.2 million to be used in 2019.

Once the Franklin Canal is diverting water, the TCC tuning will occur and Rubicon will work with NBID each of the first 2-3 years to operate and fine-tune the system.

Tracy Smith, Manager NBID

April 8, 2019