



## Reconstruction of Harmony No. 1 Measurement Structure Julesburg Irrigation District Substantially Complete March 1, 2017



### Project Description

The Julesburg Irrigation District (District), part owner and the operator of the Harmony No. 1 Canal, delivers both Direct Flow rights and Storage water rights to the Julesburg Reservoir. The Canal diverts water from the South Platte River approximately three miles southwest of the town of Crook, Colorado. The Canal delivers direct flow irrigation water, storage water, and augmentation water to approximately 17,000 acres of land controlled by the Harmony Ditch Company and Julesburg Irrigation District. The Canal can also be used to deliver irrigation water to an additional 6,000 acres thru the Julesburg Reservoir rights administered to the Petersen Canal as a supplemental source if supplies at the Petersen head gate are not adequate. The existing 20 foot Parshall Flume experienced structural damage over time to the point of failure. The District demolished the existing structure, replacing it with a new structure located just upstream. The purpose of this project was to provide a reliable measurement structure to accurately measure the flow of the Harmony No. 1 Canal for the various water rights being used by the Julesburg Irrigation District.

P R O J E C T   D A T A		
<i>Sponsor:</i> Julesburg Irrigation District	<i>County:</i> Sedgwick	<i>Water Source:</i> South Platte
<i>Type of Project:</i> Ditch Rehabilitation		<i>Board Approval Date:</i> May 2016
<i>Loan Terms:</i> 1.70% for 30 years (Original) \$203,616    (Final) \$203,616		
<i>Design Engineer:</i> Draht Consulting, LLC		
<i>Contractor:</i> Concrete Specialties and Utilities Construction		