



Steinaker Dam Modifications

Vernal, UT

PERCENT SUBCONTRACTED:

15% - Crushed aggregate trucking
10% - Shotcrete, soil nails, asphalt paving

OWNER:

U.S. Bureau of Reclamation

ARCHITECT/ENGINEER:

U.S. Bureau of Reclamation

CONTRACT TYPE:

Firm Fixed Price

INITIAL CONTRACT VALUE:

\$17,682,066

FINAL CONTRACT VALUE:

\$20,865,939

START DATE:

May, 2018

COMPLETION DATE:

October, 2019

DESCRIPTION OF WORK COMPLETED:

Construction work included rehabilitation of the outlet works gates and hydraulic system, extending the existing outlet works concrete conduit with a steel-lined, concrete-encased conduit upstream; constructing a new cast-in-place concrete intake structure; and reconstruction of the embankment, including flattening the adjacent upstream slope.



ACTIVITIES COMPLETED:

WCA self-performed all excavation and zoned embankment, filter material crushing and washing, pressure grouting, extensive foundation dewatering, blasting, and concrete formwork and placement, pipefitting, and stormwater management.

ISSUES ENCOUNTERED:

The outlet works was extended and realigned to during construction to account for unknown underwater conditions. The 70 year old outlet works gates were inspected and due to their deteriorated conditions they were removed and reconditioned. Additional clay core material was required due to existing dam core material not meeting project specifications.

