



STATE OF MONTANA, NATURAL RESOURCE DAMAGE PROGRAM

PROGRESS REPORT TWENTY - NINE

for the

**BUTTE SILVER-BOW GROUNDWATER
RESTORATION PLAN – BIG HOLE TRANSMISSION
LINE REPLACEMENT**

NRDP Agreement No. 80002

JULY – SEPTEMBER 2021

**City and County of Butte
Public Works Department
Water Utilities Division
124 West Granite Street
Butte, MT 59701**

BUTTE SILVER BOW
GROUNDWATER RESTORATION PLAN – BIG HOLE TRANSMISSION
LINE REPLACEMENT

NATURAL RESOURCE DAMAGE PROGRAM

UCFRB RESTORATION FUND GRANT

NUMBER 800002

INTRODUCTORY LETTER AND PROGRESS REPORT



THE CITY-COUNTY OF Butte-Silver Bow

Department of Public Works
Angie Mullikin, Budget Analyst
Ph: 406-497-6530 E-Mail:
amullikin@bsb.mt.gov

October 1, 2021

Meranda Flugge
Program Specialist
Natural Resource Damage Program
1301 E. Lockey
P.O. Box 201425
Helena, MT 59620

Dear Meranda:

Installation of the Groundwater Restoration Plan section – Big Hole Transmission Line Replacement project began in 2014. A total of approximately 13,200 feet of pipe has been replaced and the remaining pipe left to install is expected to be completed in early December. Pioneer Technical Services was contracted to oversee installation of the transmission main. Completion of the entire project is scheduled to occur by December of 2021.

This report represents our twenty-ninth progress report in accordance with the Natural Resource Damage Program Agreement 800002 as well as our twenty-ninth request for payment against our grant balance. This report covers the period of July through September 2021. Enclosed you will find a progress report and cost detail as well as the progress invoice for reimbursement. If you have any questions regarding the attached information, please contact me at (406) 497-6530.

Butte-Silver Bow would like to take this opportunity to express our sincere appreciation to the State of Montana Natural Resource Damage Program for continued support of our infrastructure replacement.

Sincerely,

A handwritten signature in black ink, appearing to read "Angie Mullikin", is written over a horizontal line.

Angie Mullikin
Butte Silver Bow Public Works

ATTACHMENT D

1. **PROJECT:** BSB GW Restoration Plan - Big Hole Transmission Line
2. **CONTRACT NUMBER:** 800002
3. **REPORT PERIOD:** July – September 2021
4. **REPORT DATE:** October 1, 2021
5. **PREPARED BY:** Angie Mullikin, Butte-Silver Bow Public Works
6. **ACTIVITY SUMMARY**

Installation of the remaining Big Hole Transmission Line began in December 2014. At this time, most of the work authorized under this contract has been completed. BSB's contractor has nearly completed the installation of the 3,200 feet of 36" HDPE under the I-15 corridor. The HDPE pipe has been fused and placed in the trench and backfilled. Vents and blow-offs are being completed and fittings to transition from the HDPE to ductile iron will be installed soon. Cathodic protection of the steel conduits pipes under the roads was completed in September. Butte-Silver Bow crews will commence installation of the remaining ductile iron pipe later this fall.

Task 1: Pioneer Technical Services, was selected in early 2018 to provide design and oversight work on the remaining sections of 36" transmission main replacement. The design has been sent to the MDEQ and has been approved.

Task 2: Northwest Pipe was selected to supply pipe through the competitive bidding process outlined in the contract. The BSB construction crew completed installation of most of the ductile iron transmission line. H&H Contracting was secured through a competitive bidding process to install the HDPE pipe through the I-15 corridor, and their work is nearing completion. Pioneer Technical has provided engineering oversight for the installation of the transmission line.

7. EXPENDITURES SUMMARY:

Description	Budget	Spent this period	Spent to date	Budget remaining
Task 1 and 2	\$6,000,000.00	\$ 554,329.04	\$ 6,000,000.00	\$ 0

8. MATCH MONEY SUMMARY:

Description	Amount Spent	Total NRD Share
Engineering	\$ 291,862.30	
Construction Materials	\$ 6,081,467.44	
Total	\$ 6,373,329.74	\$ 6,000,000.00

9. REQUEST FOR PROPOSED AMENDMENTS TO GRANT AGREEMENT: NONE

10. NEXT QUARTER'S ACTIVITIES: BSB anticipates re-mobilizing its pipe installation crew on the Big Hole transmission line in late October or early November. Crews will

install the remaining ductile iron pipe to connect to the HDPE pipe through the I-15 corridor. Once complete, the line will be pressure tested and disinfected.

PHOTOS



H&H contracting staging 36-inch HDPE pipe along alignment



Coleman Construction beginning to construct Frontage Road bore entry pit near station 32+35



Coleman Construction beginning to construct Frontage Road bore entry pit near station 32+35

PHOTOS



Stage 36" HDPE pipe at Frontage Road site



Frontage Road bore entry pit

PHOTOS



48" steel casing prepared for Jack and Bore installation at station 32+35



Installation of 48" steel casing at station 32+35

PHOTOS



Coleman Construction Jack and Bore 48" steel casing at station 32+35



Coleman Construction applies Powercrete J to welded casing at station 28+63

PHOTOS



Coleman Construction excavates prepares for I-15 South Bound bore near station 0+57