

Final Project Completion Report

Project Name and Number: AC Mitigation and Monitoring Project, #4083

Description: Elevated alternating current (AC) voltages were identified on the 10200 South and 15000 South pipelines. This project included the installation of mitigation equipment to reduce the AC voltage and reduce corrosion risk to the 10200 South pipeline. It also included the installation of equipment to remotely monitor the AC voltage on the 15000 South pipeline to assess the corrosion risk and to monitor AC voltage limits for personnel safety.

District Project Manager: Kevin Rubow

Engineer: Infinity Corrosion Group	Design Status: 100%
Original Engineering Contract Amount:	\$24,798
Final Engineering Contract Amount:	\$65,438

Contractor: Vancon, Inc.	Construction Status: 100%
Original construction contract amount:	\$1,582,000
Total Change Order amount:	\$89,541
Final construction contract amount:	\$1,671,541
Total change orders as a percentage of original contract:	5.7%
Completion Schedule:	
Notice to Proceed:	7/31/2023
Final Completion:	10/16/2024

Summary of Change Orders:		Amount
	Description	
1	Utility conflicts and 16-inch valve abandonment.	\$41,366
2	Delays due to roadway project.	\$22,982
3	Utility conflicts due to unmarked vault.	\$25,193
Total Change Order Amount:		\$89,541

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Directional drill rig



DC blocker and test station



Excavation to install cable



Cables cad welded to the 42" pipeline



MetriCorr monitoring equipment and DC blocker