



June 30, 2023

Kevin Kuchenbecker
Historic Preservation Officer
City of Deadwood
108 Sherman Street
Deadwood, SD 57732

RE: ARC Cost Estimate to Conduct the First Phase of Pre-Construction Trenching in Area 1C for the City of Deadwood's FEMA Project DR-4476-SD, Lawrence County, South Dakota.

Dear Mr. Kuchenbecker:

The City of Deadwood requested that the Archaeological Research Center (ARC), a program of the South Dakota State Historical Society, create a cost estimate for proposed pre-construction exploratory trenching to examine the remains of the Burlington Northern Roundhouse. This work is part of the City of Deadwood's Federal Emergency Management Agency (FEMA) public assistance project DR-4476-SD located along Whitewood Creek in Deadwood, South Dakota. The pre-construction trenching will be confined to Area 1C and will be considered Phase I, to identify the presence or absence of the former Burlington Northern Roundhouse. This document will serve as a cost estimate for the ARC to complete the trench monitoring work.

This estimate (see Table 1) includes the cost of:

- ARC staff to obtain and georeference necessary maps to pinpoint the former location of the Roundhouse within the APE
- two ARC crew members to travel to and conduct trenching monitoring, including the identification and examination of cultural resources
- ARC to subcontract with a qualified geomorphologist to examine and interpret soils
- ARC staff to compile a technical report of the trenching findings, including a record search and project maps
- ARC staff to process and catalog artifacts recovered from the proposed work
- miscellaneous administrative costs associated with logistics and invoicing

This cost estimate reflects the Phase I goal of *identification*. Additional excavation, artifact collection, or artifact cataloging may be subsumed under Phase II and require additional time and work, thus incurring additional costs. Any additional testing or site documentation will likely result in increased time needed to complete the final report.

Please do not hesitate to contact me with any questions about this estimate. We will not initiate fieldwork until we have received approval from your office.

Table 1. Cost estimate for the City of Deadwood, FEMA Project DR-4476-SD, Pre-Construction Trenching Phase I, Lawrence County.

<i>ARC Billing Rate: \$78.77*</i>		
Task	Hours	Cost
Pre-fieldwork planning: georeferencing, background research, and work plan	10	\$787.70
Travel time and monitoring for an ARC crew of two	80	\$6,301.60
Subcontracted geomorphologist (SDSMT) for 1 day	8	\$1,000.00
Report preparation, background research, and mapping	40	\$3,150.80
Artifact processing and cataloging	40	\$3,150.80
Administrative tasks (i.e., invoicing, logistics, etc.)	2	\$157.54
<i>Total</i>	180	\$14,548.44

*This is a fixed rate determined by the State of South Dakota for FY2024.

Sincerely,



Cassie Vogt, MS
State Archaeologist