

CONTRACT 6 PROJECTS
AML NORTH

CIVIL TECH ENGINEERING INC.

December 8, 2023

CONTRACT 6 PROJECTS

- CLARKSBURG (POST) LANDSLIDE (Harrison County)
- FAIRMONT GATEWAY CONNECTOR (Marion County)
 - HORNERS RUN PORTALS (Harrison County)
 - LICK RUN 5 (Preston County)

PROJECT SCOPE

1. CLARKSBURG (POST) LANDSLIDE (Harrison County)

- Two landslides
- Drainage issues

2. FAIRMONT GATEWAY CONNECTOR (Marion County)

- Highly accessible open portals along the Fairmont Gateway Connector Highway Cut.

3. HORNERS RUN PORTALS (Harrison County)

- Two collapsed and draining portals.
- Dangerous Deep Mine Impoundment.
- Slope stability issues in mine spoil.

4. LICK RUN 5 (Preston County)

- Four collapsed and draining portals.
- Dangerous Highwall
- Mine Refuse Pile.

LICK RUN 5 STATUS

- BAT ROOST STUDY AND PORTAL ASSESSMENT COMPLETE
- PRELIMINARY DESIGN 90% COMPLETE
- GEOTECHNICAL REPORT 50% COMPLETE. PLAN TO PERFORM TEST PIT INVESTIGATION FOR SOIL BORROW PRIOR TO JANUARY 1.
- SUBMIT PRELIMINARY DESIGN DOCUMENTS BY JANUARY 15, 2024

PROJECT WILL INCLUDE:

- FOUR MINE SEALS
- DRAINAGE CHANNELS
- MINE DEWATERING AND TREATMENT
- REFUSE PILE RECLAMATION
- 300 LF OF HIGHWALL RECLAMATION
- BORROW EXCAVATION FOR SOIL COVER
- SOIL COVER
- REVEGETATION

HORNERS RUN PORTALS STATUS

- SUBSURFACE INVESTIGATION COMPLETE
- EROE OBTAINED – ADDITIONAL WORK REQUIRED
- PRELIMINARY DESIGN 50% COMPLETE
- GEOTECHNICAL STUDY COMPLETE
- SITE MEETING NEEDED WITH AML
- COMPLETE PRELIMINARY DESIGN BY MARCH 1

PROJECT WILL INCLUDE:

- TWO MINE SEALS & MINOR SITE GRADING
- DRAINAGE CHANNELS AND SUBSURFACE DRAINAGE
- MINE RESERVOIR DEWATERING AND TREATMENT
- DOH DRAIN PIPE REPLACEMENT
- REVEGETATION

FAIRMONT GATEWAY CONNECTOR STATUS

- OPEN PORTALS WITH BATS ARE PRESENT ONSITE.
- FENCING WILL BE USED TO RESTRICT ACCESS TO THE OPEN PORTALS WHICH ARE CONSIDERED BAT HABITAT
- OPEN PORTALS NOT CONSIDERED SUITABLE FOR BAT HABITAT WILL BE PERMANENTLY CLOSED.
- CONCEPTUAL DESIGN COMPLETE AND APPROVED BY WVDOH AND USFWS
- GEOTECHNICAL REPORT 50% COMPLETE
- PRELIMINARY DESIGN 30% COMPLETE

PROJECT WILL INCLUDE:

- THREE PERMANENT PORTAL CLOSURES
- TRAFFIC CONTROL
- INSTALL 940 LF OF 7 FT. TALL CHAIN LINK FENCE TO RESTRICT ACCESS TO OPEN PORTALS WITH BATS
- REVEGETATION

CLARKSBURG (POST) LANDSLIDE STATUS

- PROPERTY ISSUES - NEED EROE FOR ONE PROPERTY OWNER
- CONCEPTUAL DESIGN 30% COMPLETE
- SUBSURFACE INVESTIGATION PLAN READY

PROJECT WILL INCLUDE:

- STABILIZATION OF TWO LANDSLIDES
RETAINING WALLS
GRADE AND DRAIN
- SURFACE AND SUBSURFACE DRAINS.
- TRAFFIC CONTROL
- REVEGETATION