STATEMENT OF WORK

Elk Lick Dam Decommissioning and Restoration

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1. Project Information

1.1. Project Identification: Elk Lick Dam Decommissioning & Restoration

1.2. Project Location: N39.052018, E -79.669349

2. Summary of Work

2.1. Work consists of decommissioning the Elk Lick Dam which is also known as Parsons Reservoir and restoring a stable stream channel through the reservoir footprint.

2.2. Major works include:

- 2.2.1. Clearing and grubbing
- 2.2.2. Preparation of upstream and downstream laydown and access areas
- 2.2.3. Temporary access road improvements and stream crossings
- 2.2.4. Staged reservoir drawdown
- 2.2.5. Temporary low-flow bypass installation
- 2.2.6. Staged controlled breach of the concrete dam
- 2.2.7. Removal of downstream apron and appurtenant concrete within breach limits
- 2.2.8. Removal and disposal or approved on-site reuse of concrete debris
- 2.2.9. On-site sediment excavation management
- 2.2.10. Grading
- 2.2.11. Downstream turbidity-control reach construction
- 2.2.12. Restored channel construction
- 2.2.13. Grade control and riprap stabilization
- 2.2.14. Building large wood structures
- 2.2.15. Erosion, sediment, and water-quality control
- 2.2.16. Final stabilization
- 2.2.17. Revegetation

2.3. Base bid work shall include a 30-foot breach in the existing dam. Additional breach widening and associated restoration are included as optional items in 10-linear-foot increments.

3. Objective and Background

3.1. The Elk Lick Dam Decommissioning & Restoration Project involves the removal of an existing concrete gravity dam and restoration of a stable stream channel through the former reservoir footprint. The dam currently impounds a small headwater tributary within the Monongahela National Forest. The structure has reached the end of its service life and no longer provides operational or recreational benefit.

3.2. This project is necessary to restore natural stream continuity, eliminate long-term dam safety concerns, improve aquatic organism passage and contribute to habitat improvement.

4. Schedule

4.1. This project is planned for the period of 2026 -2027 for completion.

4.2. The period of performance is 365 days from the notice to proceed.

4.3. The reservoir was last excavated in 1983 and contains approximately 14 feet of sediment at the upstream face of the dam.

5. Deliverables

5.1. Develop temporary works and access areas

5.2. Bypass waterflow from Elk Lick over or around the existing dam

5.3. Restore naturally appearing streambed downstream of existing dam

5.4. Excavate reservoir and restore upstream channel

5.5. Create 30’ breach in the existing dam and create an organism safe passage hydraulic connection between the upstream and downstream segments

5.6. Remove all temporary works and access areas

5.7. Seed and restore all surrounding vegetation

5.8. Surveyed as-built drawings and report of all completed work

6. Submittals

6.1.1. At least 15 calendar days prior to construction, submit:

6.1.1.1. Traffic Control Plan

6.1.1.2. Dewatering Plan

6.1.1.3. Erosion & Sediment Control Plan

6.1.1.4. Turbidity and Sediment Control Plan

6.1.1.5. Construction sequencing plan

6.1.1.6. Breach Sequencing and Geometry Plan

6.1.1.7. Temporary Bypass Installation Plan

6.1.1.8. Temporary Access Road and Stream Crossing Plan

6.1.1.9. Concrete Haul, Disposal, and On-Site Reuse Plan, if applicable

6.1.1.10. Spill Prevention and Response Plan

6.1.1.11. Channel Restoration Implementation Plan

6.1.1.12. Material source and placement plan for riprap, grade control stone, streambed simulation material, and channel bedding material

6.1.2. Prior to placement of permanent materials, submit certifications or product information for:

6.1.2.1. Riprap and grade control rock

6.1.2.2. Streambed simulation material and channel bedding material

6.1.2.3. Geotextile fabric and erosion-control materials

6.1.2.4. Seed mix and mulch materials.

FIGURE 1 FACE OF THE EXISTING DAM 2023

FIGURE 2 EXISTING RESERVOIR 2023

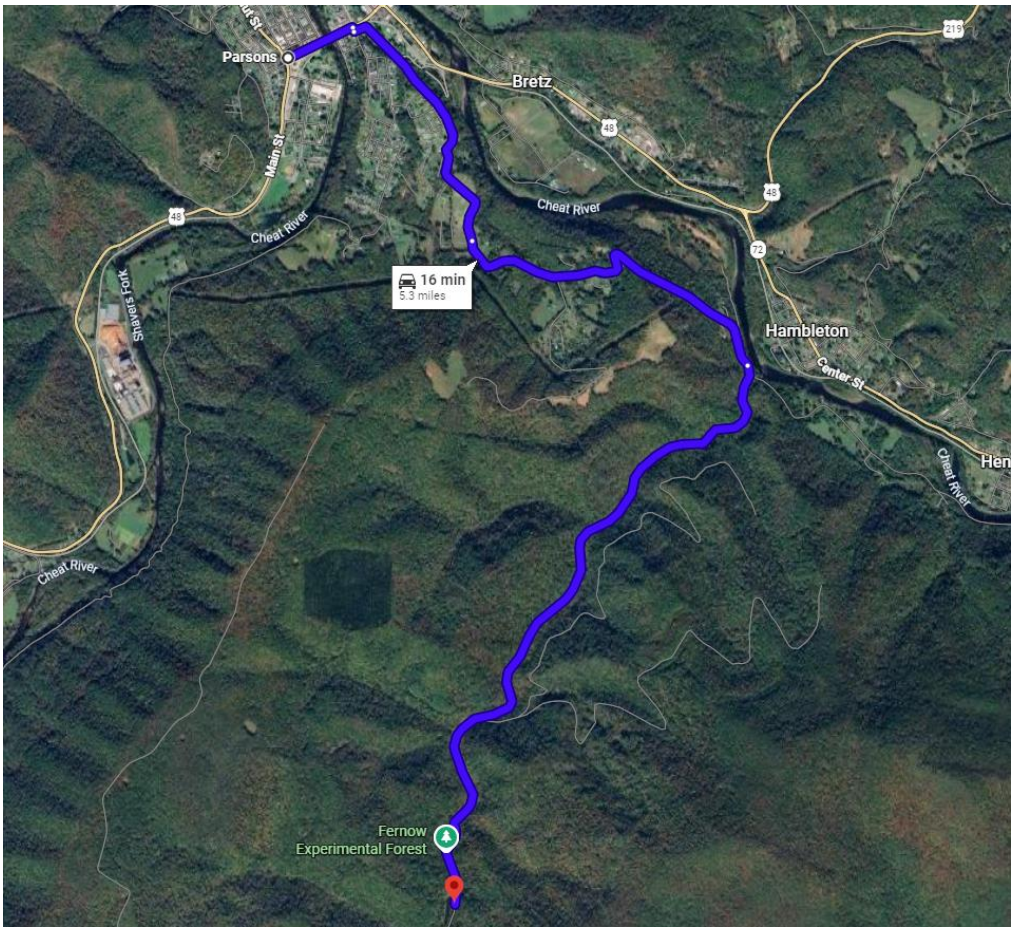

FIGURE 3 MAP OF LOCAL AREA

FIGURE 4 ARIAL VIEW OF EXISTING STRUCTURE