PERFORMANCE WORK STATEMENT

Mobile Crane Support Services
Mount Elbert Power Plant
Twin Lakes, Colorado

1. Background

The Bureau of Reclamation (BOR) requires commercial mobile crane services to support restoration activities at the Mount Elbert Power Plant.

Services consist of two independent lifting operations:

a. Removal and transportation of six Government-owned bulkhead (stoplog) segments from the Mount Elbert Forebay Inlet-Outlet Structure to the designated Government storage yard.
b. Transportation of Government-owned crane load testing blocks between the outdoor storage yard and the powerhouse to support load testing of the powerhouse overhead crane, followed by return and organized staging of the testing blocks after completion of testing.

The Contractor shall furnish all labor, supervision, equipment, transportation, rigging (except Government-furnished lifting device identified herein), permits, and incidental services necessary to safely complete the required lifting and transport operations.

2. Objective

Provide safe, timely, and professional mobile crane services that successfully transport Government property without damage while maintaining compliance with applicable Federal, State, OSHA, manufacturer, and industry safety requirements.

3. Scope of Services

The Contractor shall provide all resources necessary to perform the following commercial services.

Task 1 – Bulkhead Segment Removal and Transportation

The Contractor shall:

a. Position a mobile crane at the Mount Elbert Forebay Inlet-Outlet Structure.
b. Lift six Government-owned bulkhead segments from the bulkhead slots using the Government-furnished lifting frame.
c. Transport each bulkhead segment to the designated Government storage yard.
d. Hold the load as required while Government personnel disconnect the lifting frame.
e. Complete all lifting operations without damage to Government property.

Estimated information:

a. Quantity: Six (6)
b. Estimated weight: 10,000 pounds each
c. Government lifting frame: approximately 2,500 pounds
d. Estimated lift radius: approximately 130 feet

Government personnel will:

a. Open bulkhead slots.
b. Attach the Government lifting frame.
c. Guide removal from the slots.
d. Disconnect lifting frame.
e. Assist with offload of the bulkhead segments at the storage yard.

Task 2 – Crane Load Testing Block Transportation

The Contractor shall provide a mobile crane and transportation equipment capable of moving Government-owned concrete testing blocks between the storage yard and the powerhouse.

a. The Contractor shall perform one mobilization:

1) Phase 1
Transport testing blocks from the outdoor storage yard to the powerhouse before Government crane load testing.

2) Phase 2
Government executing load tests, anticipation of one day for completion.

3) Phase 3
Following Government notification that load testing is complete, transport the testing blocks back to the storage yard. Stage the blocks in substantially the same organized configuration as originally stored.

Estimated information:

a. Up to ten (10) concrete testing blocks
b. Maximum individual weight approximately 40,000 pounds

4. Government-Furnished Property and Services

The Government will provide:

a. Government lifting frame
b. Access to Government facilities
c. Storage locations
d. Government personnel to connect/disconnect lifting frame
e. Government personnel to guide bulkhead removal
f. Government personnel to offload bulkhead segments
g. Site drawings and reference documents

5. Contractor Requirements

The Contractor shall:

a. Furnish all cranes, transport vehicles, rigging, operators, signal persons, supervision, fuel, tools, and support equipment.
b. Determine crane capacity, boom configuration, counterweights, rigging configuration, and transportation methods.
c. Verify all field dimensions and lifting conditions.
d. Protect Government property.
e. Restore work areas after each mobilization.
f. Coordinate with the COR before arriving on site.

6. Technical Information

The Government provides the following information for planning purposes only:

a. Site drawings
b. Lift locations
c. Estimated component weights
d. Estimated dimensions
e. Approximate lift radii
f. Transportation routes
g. Reference drawings

The Contractor remains solely responsible for verifying:

a. Lift feasibility
b. Crane selection
c. Lift radii
d. Lift heights
e. Ground bearing pressures
f. Crane setup
g. Transportation restrictions
h. Safe execution of all lifts

7. Lift Planning Requirements

a. No later than five (5) business days before each mobilization, the Contractor shall submit a lift plan containing:
    1) Crane make and model
    2) Crane capacity
    3) Boom configuration
    4) Counterweight configuration
    5) Lift radii
    6) Lift heights
    7) Rigging configuration
    8) Transportation route
    9) Equipment staging locations

10) Site hazard assessment
11) Weather limitations
12) Emergency contact information

Government review does not relieve the Contractor of responsibility for safe operations.

8. Performance Periods

Task	Anticipated Performance Window
Bulkhead removal	October 1, 2026 – January 30, 2027
Block Transportation for Testing	January 1, 2027 – April 15, 2027

The Government will provide a minimum of five (5) business days advance notice before each mobilization.

The Contractor shall acknowledge availability within two (2) business days.

All work will be performed Monday – Friday between the operating hours of 07:30 a.m. – 4:00 p.m. (MT). Federal holidays excluded.

9. Place of Performance

Mount Elbert Power Plant
5583 Highway 82
Twin Lakes, Colorado 81251

Additional work location:
Mount Elbert Forebay Inlet-Outlet Structure (Latitude 39°06'08.4"N, Longitude 106°21'12.8"W).

10. Operating Constraints

Offerors should consider:
a. Mountain roads
b. Narrow roadway access
c. Steep grades
d. Sharp turning radii
e. Snow and ice
f. Limited staging areas
g. High elevation
h. Wind conditions

Lake County Road 24 from Colorado Highway 82 up to the inlet-outlet structure is narrow (estimated 25 feet), steep in areas (up to 10% grade), and has several sharp turns (estimated inside radius 50’). The county road is on a south facing slope, but areas are shaded and may retain ice and snow at certain times of the year.

The bulkhead segments are large and planer, 10’ 11” tall by 10’ 3” wide. Wind moving a suspended load is a primary concern. For the protection of personnel and property, either party may deem the wind speed is too high for safe operation. (See Figure 2 for elevation and path) The Government is not aware of bridge load restrictions affecting site access. The Contractor remains responsible for determining compliance with all transportation restrictions applicable to the selected equipment.

11. Safety Requirements

The Contractor shall comply with:

a. OSHA 29 CFR 1926 Subpart CC
b. Applicable State of Colorado requirements
c. Crane manufacturer's operating requirements
d. Applicable ASME B30 standards
e. All contract safety requirements

Operations shall immediately cease whenever conditions become unsafe.

12. Weather Limitations

Lifting operations shall not occur when:

a. Wind exceeds the crane manufacturer's allowable operating limits.
b. Lightning is present.
c. Visibility prevents safe operation.
d. Snow or ice creates unsafe crane setup conditions.
e. Any condition exists that would create an unacceptable safety risk.

Weather delays shall not be considered contractor nonperformance.

13. Operator Qualifications

a. Crane operators shall possess all licenses and certifications required by Federal and State law.
b. Signal persons and riggers shall meet applicable OSHA qualification requirements.
c. Documentation shall be provided upon Government request.

14. Insurance

Prior to the first mobilization, the Contractor shall provide to the COR and Contracting Officer (CO) with a Certificate of Liability Insurance, in accordance with FAR 28.310, meeting the contract requirements for work performed on a Government installation.

15. Damage Responsibility

a. The Contractor shall exercise reasonable care in handling Government property.
b. The Contractor shall be responsible for damage resulting from negligent lifting, transportation, rigging, or handling performed by Contractor personnel.
c. Any damage shall immediately be reported to the COR.

16. Deliverables

Deliverable	Due
Lift Plan	Five (5) business days before each mobilization
Insurance Certificate	Before first mobilization
Operator Certifications (upon request)	Prior to performance
Completed lifting services	As scheduled

17. Performance Standards

Performance Objective	Performance Standard	Acceptable Quality Level (AQL)	Surveillance Method
Safe lifting operations	Completed without OSHA violations or unsafe acts	100%	Government observation
Bulkhead transportation	Six bulkhead segments transported without damage	100%	Visual inspection
Testing block transportation	Blocks delivered and returned without damage	100%	Visual inspection
Equipment staging	Testing blocks returned to original organized configuration	100%	Government inspection
Schedule	Mobilizations performed on agreed dates unless delayed for safety or weather	100%	COR verification
Site restoration	Work areas left clean and free of contractor debris	100%	Final inspection

18. Acceptance Criteria

Services will be accepted when:

a. Required lifts are successfully completed.
b. Government property has not been damaged.
c. Bulkhead segments are delivered to the designated storage area.
d. Testing blocks are staged in the required configuration.
e. Required documentation has been submitted.
f. No unresolved safety deficiencies remain.
g. Work areas have been restored.
h. The COR verifies satisfactory completion of each mobilization.

19. Applicable References

The Government will make the following documents available with the solicitation:

a. Annotated site photographs
b. Site maps
c. Transportation route drawings
d. Stoplog assembly drawings
e. Government lifting frame drawings
f. Weight information for testing blocks
g. Additional site reference drawings identified in this PWS

Figure 1. Site Map and Equipment Locations

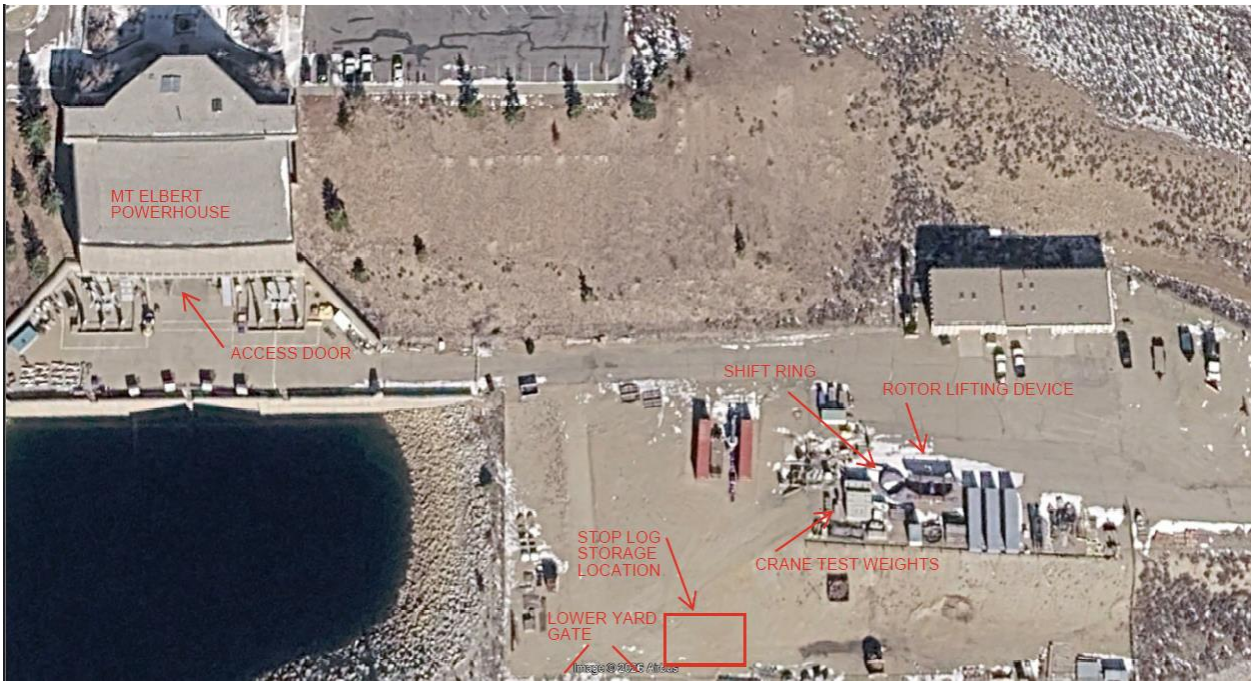

Figure 2. Path to Mount Elbert Forebay Inlet-Outlet Structure

Figure 3. Test Weight Sizes and Weights

ITEM	DESCRIPTION	DIMENSIONS	WEIGHT (EA.)	QTY	TOTAL WEIGHT (TON)
CB–2	CONCRETE BLOCK	2'–2 ½" X 8' X 16'	40,000 LB	1	20
CB–3	CONCRETE BLOCK	2'–2 ½" X 8' X 16'	40,000 LB	1	20
CB–4	CONCRETE BLOCK	2'–2 ½" X 8' X 16'	40,000 LB	1	20
CB–5	CONCRETE BLOCK	2'–2 ½" X 8' X 16'	40,000 LB	1	20
CB–6	CONCRETE BLOCK	2'–2 ½" X 8' X 16'	40,000 LB	1	20
CB–7	CONCRETE BLOCK	2'–2 ½" X 8' X 16'	40,000 LB	1	20
CB–8	CONCRETE BLOCK	2'–2 ½" X 8' X 16'	40,000 LB	1	20
CB–9	CONCRETE BLOCK	2'–2 ½" X 8' X 16'	40,000 LB	1	20
CB–10	CONCRETE BLOCK	2'–2 ½" X 8' X 9'–6"	25,000 LB	1	12.5
CB–11	CONCRETE BLOCK	2'–2 ½" X 8' X 8'	20,000 LB	1	10

Figure 4. Picture of Concrete Testing Blocks

APPLICABLE DOCUMENTS OR REFERENCES (provided as attachments 2-5)

1. 2009_1012Generalpics0045 – an annotated image of the gate house and inlet-outlet structure before the forebay was filled. Annotations show distance and elevation.

2. 382-D-1019 – an annotated plan and section view of the dike and inlet-outlet structure. Annotations show distances and elevations.

3. 382-D-1191 – an assembly drawing of the stoplogs. This drawing shows the estimated weight of the assembly just above the notes.

4. 382-D-1195 – an assembly drawing of the stoplog lifting frame. The estimated weight of the lifting frame is located just below the bill of materials.