Headwaters Forest Reserve Trail Repairs GAOA Project
Bureau of Land Management / CA-NOD / Arcata FO

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SOW 1.0 Background on the Government's Requirement

BLM Northern California District requires pavement rehabilitation of the Elk River Trail within the Headwaters Forest Reserve. The trail provides critical access to recreation, ecological, and historic resources and must maintain ABA accessibility standards.

The trail exhibits cracking, localized pavement failure, and shoulder degradation, see EX-5 Photos. Without repair, deterioration will accelerate, resulting in unsafe conditions and potential sediment impacts to nearby federally listed coho salmon habitat.

This project includes targeted full-depth repairs, surface preparation, asphalt overlay, and shoulder backing.

A pavement tie-in at the Headwaters Education Center (HEC) Barn driveway requires a smooth, ADA-compliant transition between new overlay and existing pavement surface.

SOW 2.0 General Scope of Work

The Contractor shall furnish all labor, equipment, materials, supervision, and incidentals necessary to complete pavement repair and overlay. See EX-4 Maps, and EX-5 Photos.

Place of Performance:

Headwaters Forest Reserve, Humboldt County, CA
Trailhead: 40.692035°, -124.140856°
HEC Barn: 40.689285°, -124.130697° (~3,060 LF from trailhead)

Period of Performance:

60 calendar days from Notice to Proceed (NTP).

SOW 3.0 Overall Objectives

Restore pavement integrity, maintain ABA accessibility, and prevent environmental impacts.

SOW 4.0 Specific Tasks

Task 1 – Mobilization

- Coordinate with COR to arrange pre work site meeting
- Confirm Delivery/Performance Schedule
- Submit mix design and material order sheets
- Inform COR of compaction testing sub-contractor selection
- Verify grades and submit tie-in approach for Task 5
- Upon receiving NTP, mobilize as per approved Delivery/Performance Schedule

Task 2 – Full Depth Repairs (~3,000 SF)

- COR shall mark areas before the pre work site meeting
- Sawcut neat, straight boundaries
- Remove failed asphalt and unsuitable base to competent subgrade
- Proof roll subgrade
- Place minimum 6 inches aggregate base
- Place minimum 2 inches HMA
- Compact to ≥92% density
- Patch shall be flush with adjacent surface (≤0.25 inch deviation)
- Full-depth repair areas shall be repaired to section depth as specified, then incorporated into the final asphalt overlay

Task 3 – Surface Preparation

- Sweep and clean pavement
- Remove vegetation and debris
- Apply crack seal to cracks ≥ 1/4 inch outside of areas marked for Full Depth Repairs
- Apply localized leveling course as needed to correct surface irregularities prior to overlay

Task 4 – Tack Coat

- Apply tack coat prior to asphalt overlay per FHWA FP-14 Section 411
- Surface shall be dry prior to tack coat application

Task 5 – Pavement Conformance at HEC Barn

- Contractor shall field verify grades and submit tie-in approach for COR approval prior to paving
- Provide smooth ADA-compliant transition using grinding or tapering
- No vertical deviation > 0.25 inches over 10 ft
- Contractor shall maintain consistent grade and cross slope and prevent ponding

Task 6 – Asphalt Overlay

- 3/8" NMAS PG64-10 in one two inch lift
- Compact to ≥92% density
- HMA shall be placed at temperatures consistent with approved mix design and manufacturer recommendations
- Contractor shall maintain consistent grade and cross slope and prevent ponding

Task 7 – Shoulder Backing

- Shoulder backing shall consist of compacted Class II aggregate base placed flush with either side of the finished edge of pavement at a thickness of 2 inches, then one foot taper to match existing surface
- Compact to ≥95% of maximum density (or equivalent field compaction standard)

Task 8 – Quality Control

- Submit mix design
- Provide haul tickets
- All density testing shall be performed by certified independent sub-contractor.
- Correct deficiencies

Task 9 – Demobilization

- Cleanup all construction debris
- Arrange final walkthrough of site with COR

SOW 5.0 Delivery / Performance Schedule

Contractor shall submit schedule, QC plan, and mix design prior to work. Complete within 60 days.

SOW 6.0 Government-Furnished Property

General

The Contractor shall furnish all personnel, materials, equipment, supplies, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform the work tasks defined in this Statement of Work.

BLM COR will mark the 3000sf extents of the Full Depth Repairs prior to the pre work site meeting. BLM COR will provide Contractor with combination of the trail gate lock and post trail closure signage during the duration of the project.

Applicable Publications (Current Editions)

- FHWA Standard Specifications for Construction of Roads and Bridges (FP)
- AASHTO Guide Specifications for Design of Pavement Structures
- ASTM standards for asphalt materials and compaction testing

SOW 7.0 Security and Administrative Matters

Contractor shall comply with OSHA, Federal, State, and BLM safety requirements. Site closed to public.

Contractor responsible for safety, environmental compliance, and coordination with COR.

Contractor shall prevent tracking of sediment or materials onto adjacent trail or drainage features and shall implement appropriate best management practices (BMPs) as directed by the COR.

Security:
The Contractor shall be responsible for safeguarding all Contractor property outside of normal business hours. BLM not responsible for any acts of vandalism or theft of unsecured Contractor property.

BLM will provide contractor with the combo for the gate lock at the Headwaters Parking Lot, Elk River Trailhead.

Safety:
Contractor shall not require, or allow any employee, engaged in the performance of this Contract to work under conditions which are unsanitary, hazardous, or dangerous to his/her health or safety, as determined under safety and health standards promulgated by the Secretary of Labor under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 327 et seq.) as amended and other Federal, State and applicable local government safety standards.

Department of Labor Code of Federal Regulations Title 29 and other Federal, State and local government safety standards will apply in its entirety to the Contractor.

Examples of applicable safety standards are OSHA 29 CFR 1910, OSHA 29 CFR 1926, California Title 19, "Public Safety", California Title 8, "General Industry Safety Orders", and 41 CFR, Subpart B, "Public Contracts, General Safety and Health Standards."

The Contractor shall also use the “BLM SAFETY AND HEALTH STANDARDS” (The Yellow Book) for reference.

Should the Contractor fail to comply with any of these standards and regulations, the Contractor shall be found to have defaulted on the terms of the contract.

Contingency Plan:
Sudden or unusual events could result in a negative impact to the delivery / performance of these requirements.

As an aid to properly plan for such events, the Contractor shall prepare and submit for approval a Contingency Plan for each Place of Performance for these requirements.

The Contractor will outline in detail the method(s) that the Contractor shall use in meeting Contract requirements in the following circumstances:

- A natural disaster occurs which impacts upon the Contractor's ability to perform.
- A labor strike occurs which impacts upon the Contractor's ability to perform.
- A hazardous materials spill which impacts the Contractor’s ability to perform or which may affects public safety.
- An incident which causes major damage which impacts the Contractor's ability to perform.
- Other unforeseen circumstances.

In all cases, the Contractor will assume that government cannot provide supplemental forces and continues to need the same or additional performance under the Contract, which the Contractor must meet.

This Contingency Plan shall be submitted as a part of the Contractor proposal.

Emergency Response:
Response to emergency service calls outside of the normal business hours shall not exceed four (4) hours regardless of the time during the day or night, weekends or holidays.

Response to emergency service during normal business hours shall not exceed two (2) hours.

Response is defined as having all personnel and equipment required to correct an emergency at the site of the emergency or at a pre-approved staging area, ready, willing, and able to perform the emergency work. The Contractor will provide a draft emergency response plan prior to Contract start date.

Emergency Services:
On occasion, services may be required to support an activation or exercise of contingency plans outside the normal business hours described above. The Contractor's responsibilities for emergency support will be in accordance with the contingency plan.

Hazardous Materials and Hazardous Response:
The Contractor will conform to all Bureau, Federal, State, and local regulations in the use and disposal of hazardous materials and hazardous waste. The Contractor will provide the appropriate response to any emergency involving hazardous materials at any of the facilities covered by this Contract. The Contractor will provide proof/certification of its personnel qualified to work with hazardous materials and wastes to the Bureau. The Contractor will notify the Bureau immediately upon discovering a release of hazardous waste into the environment.

Public contact:
Contractor personnel may encounter adjacent landowners or members of the public during the performance of their work.

Contractor personnel will present a professional appearance and be able to provide appropriate identification, including display of proper identification by each employee.

All Contractor and subcontractor personnel shall comply with all Federal and State laws relative to citizenship.

Contractor personnel shall inform any trespassers along the right of way of hazards and, as necessary and appropriate, ask trespassers to leave fenced off or restricted areas.

If Contractor personnel may encounter emergency personnel, policemen, or firemen along the right of way, the Contractor personnel shall notify the On-Site Foreman

If Contractor personnel encounter the news media, they should refer all questions to the On-Site Foreman, who shall keep the COR informed of all news media contacts.

Government Observations:
Government personnel other than COR may from time to time observe, photograph, or otherwise record Contract operations.

However, these personnel will not interfere with Contractor performance.

Regular Work Hours:
The performance period established for this contract is based upon all work being conducted during regular working hours between 8:00am and 4:30pm, Monday through Friday, excluding government holidays.

If the Contractor desires to carry on work outside regular hours, including Saturdays, Sundays, and government holidays, a request must be submitted to the COR in sufficient time to allow satisfactory arrangements to be made for access to the work site.

Communications:
"Time" for communications received after 3:00pm, after 12:00 pm locally on Fridays, or after 12:00 pm locally prior to a holiday will not start until the next business day. All times are local Pacific Standard Time.

Federal Holidays:
The following Federal Legal Holidays are observed:

New Year's Day Martin Luther King, Jr. Day

President's Day	Memorial Day
Independence Day	Labor Day
Columbus Day	Veterans Day
Thanksgiving Day	Christmas Day

Fire Danger Season:
If the Contracting Officer Representative (COR) allows the Contractor to continue work during periods of declared fire danger or season, the Contractor shall comply with all applicable state laws relating to fire prevention and with all special conditions of work as directed by the COR.

Drawings:
Typical Drawings: Any drawings titled typical are general only and dimensions of each structure will be fixed by the Contracting Officer to adapt the design to existing conditions at the structure location.

Reduced Size Drawings: Any drawings identified as "REDUCED SIZE DRAWINGS" are photographically reduced in size. Accordingly, measurements and dimensions should not be taken or be based on any numerical scales shown. Prospective bidders desiring to review a copy of the full size drawings may contact the Contracting Officer identified in the solicitation.

Preservation of Historical and Archeological Data:
The Historic and Archeological Data Preservation Act of 1974 provides for the preservation of historical and archeological data that might otherwise be lost as the result of alterations to the terrain caused by a federal or federally licensed activity or program.

If, in connection with operations under this contract, the Contractor, subcontractors, or the employees of any of them, discovers, encounters or becomes aware of any possible historical or archeological data, objects or sites of cultural value on the project area, such as historical ruins, graves or grave markers, fossils, or artifacts, the Contractor shall immediately suspend all operations in the vicinity of the cultural value and shall notify the Contracting Officer in writing, giving the location and nature of the findings. No objects of cultural resource value may be removed.

Where appropriate by reason of discovery, the Contracting Officer may order delays in the time of performance and/or changes in the work. If such delays and/or changes are

ordered, the time of performance and contract price shall be adjusted in accordance with the Changes clause.

The Contractor will be responsible for protecting the cultural resources within the affected area from damage. In addition, the Contractor will be liable for all damage to the identified cultural resources caused by their actions or the actions of their agents or representatives. The Contractor shall immediately notify the Contracting Officer or his representative if any damage occurs to any cultural resource and immediately suspend work in the area in which damage has occurred until authorized to proceed.

SOW 8.0 Technical Exhibits and Definitions

Standard Definitions:

Physical Condition
The Physical appearance of Federal equipment or facilities that considers cracks, chips, dents, abrasions, rust, corrosion, general cleanliness, vibration, operating temperature, and discoloration and other items as identified by the COR.. Physical condition may be determined by visual as well as diagnostic means.

Contracting Officer (CO)
The Secretary of the Interior or designated authorized representative who is the only agent capable of signing a federal award or obligating funds.

Contracting Officer's Representative (COR)
The Contracting Officer's designated representative as indicated in a delegation of authority letter.

Quality Assurance (QA)
Surveillance of Contractor performance to determine performance requirements are met.

Performance Requirements Summary (PRS) (see Technical Exhibit below)
The PRS identifies the key performance indicators of the Contract that will be evaluated by the Government to assure Contract performance standards are met by the Contractor.

Quality Control
Those actions taken by the Contractor to control the production of goods or services so that they meet the requirements of the performance work statement.

Technical Exhibits:

EX-1 Maps

Figure 1. Headwaters - Elk River Trailhead Location Relative to Eureka, CA

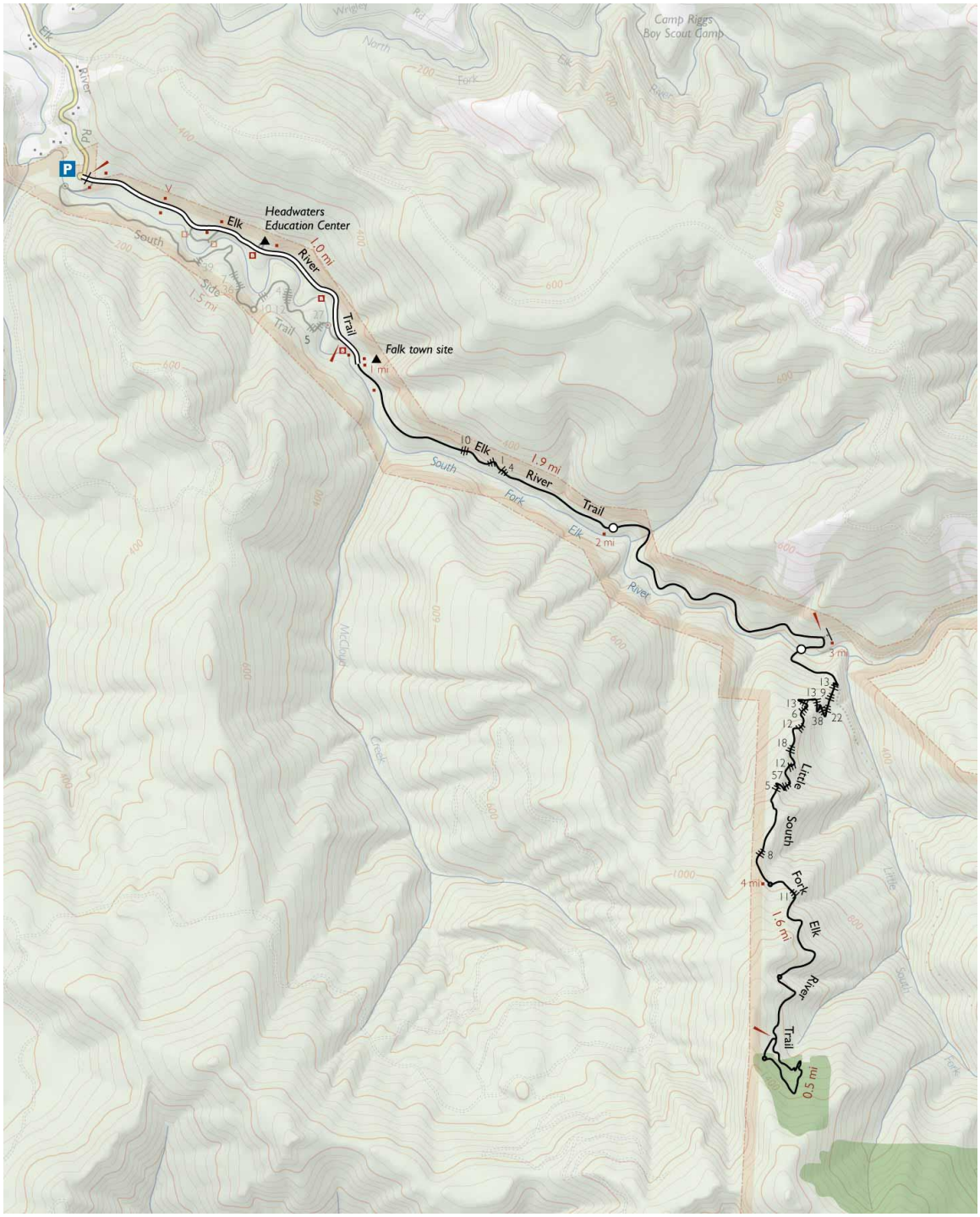

Figure 2. Headwaters - Elk River Trail Map with Elevations

EX-2 Photos

Figure 3. General Condition of Trail

Figure 4. Example of Section Requiring Crack Seal

Figure 5. Example of Full Depth Repair Section

Figure 6. HEC Barn Driveway Conforming Detail