

APPENDIX A

Supplemental Services for TASK ORDER No. 6 – Engineering and Environmental – Phase 2

Change Order No. 2 – USDA FS Coordination

I. Change Order No. 2 Objectives

One of the purposes of the Engineering and Environmental – Phase 2 task order (TO No. 6) is to support the National Environmental Policy Act (NEPA) documentation for the Uinta Basin Railway project. This task order modification request is proposed to provide information requested by the U.S. Department of Agriculture Forest Service (USDA FS) to complete a Roadless Clearance Analysis for the Uinta Basin Railway alternatives in the Ashley National Forest. A summary of this analysis would be incorporated into the Uinta Basin Railway Final Environmental Impact Statement (Final EIS) prepared by the U.S. Surface Transportation Board (STB).

The objectives of Change Order No. 2 are:

- (1) To conduct a tree inventory within the “Area of Potential Effects” (APE) of Uinta Basin Railway alternatives in the Ashley National Forest.
- (2) To determine preliminary temporary and permanent disturbance areas for construction of Uinta Basin Railway alternatives in the Ashley National Forest.
- (3) To coordinate with USDA FS on the tree inventory, disturbance areas, and other available project information to support their analysis for the Final EIS.

II. Change Order No. 2 Duration

All activities under Change Order No. 2 shall be performed beginning upon execution of this Change Order and will be completed by September 30, 2021. Any work required after September 30, 2021, to support the NEPA process as described in Section I above, due to circumstances beyond HDR’s control, will be accomplished under separate task orders and contracts.

III. Change Order No.2 Activities

Subtask Description and Assumptions:

(1) Subtask 1: Project Management

HDR will provide contract administration and team management, coordination, and direction for the duration of the project. HDR will provide a roster to serve as the HDR’s points of contact with this scope of work.

Subtask Order Management Objectives

- a. Provide coordination with the Seven County Infrastructure Coalition (SCIC) and its legal council
- b. Internal HDR team/discipline coordination
- c. Internal weekly management meetings/calls (assumes 3 meetings)

Deliverables

- a. One (1) electronic copy of monthly invoices and progress reports.

(2) Subtask 2: Conduct Tree Inventory within the APE in the Ashley National Forest

Subtask Objectives

- a. HDR will complete a tree inventory within the APE of Uinta Basin Railway alternatives in the Ashley National Forest and prepare a report to document findings that USDA FS can use to support their analysis for the Final EIS. Within the Ashley National Forest, alignments and the APE coincide for the Indian Canyon and Whitmore Park alternatives. The APE for the Wells Draw alternative does not include any land managed by USDA FS. Based on information requested by USDA FS, the tree inventory will provide:
 - i. A summary of the APE for the Indian Canyon and Whitmore Park alternatives in the Ashley National Forest, including the size and characteristics of general vegetation communities in the APE.
 - ii. Estimated number of trees within the APE by species and age classes.
- b. HDR proposes to complete the tree inventory through a desktop analysis with a field comparison section using existing data including:
 - i. Aerial imagery flown for the Project in 2019 with one-foot pixel resolution
 - ii. U.S. Geological Survey GAP/LANDFIRE Terrestrial Ecosystems (GAP) data in geographical information systems (GIS) format
 - iii. 2012 Church Camp Fire boundary in GIS
 - iv. Field data collected for the Project in 2019 and 2020 including:
 1. Observation points collected every 300 meters along the Whitmore Park route that include site photos and dominant plant species
 2. Additional data points collected to help characterize biological and aquatic resources that include site photos, plant species, and other field notes.

HDR Activities

The following activities will be performed:

- a. Develop proposed methodology for tree inventory and coordinate approval with USDA FS.
- b. Complete the desktop analysis using available data to complete the initial tree inventory.
- c. Conduct a 1-day tree inventory survey for at least 25 tree locations in the APE. The preliminary data derived from the desktop analysis will be compared to the data derived from the field comparison study area to verify the general accuracy of the results of the desktop analysis.
- d. Finalize data and prepare a technical report to document findings. A comparison of the tree survey findings between the desktop analysis and field data will be provided in the technical report.

Key Understandings

The following understandings apply to the tree inventory:

- a. USDA FS will approve methodology that is based on a desktop analysis with a field comparison.
- b. USDA FS will consider inventory results to be adequate as based on proposed methodology.

Meetings

- a. No separate meetings are proposed under this subtask (see Subtask 4)

Deliverables

- a. Draft and final tree inventory technical report

(3) Subtask 3: Determine Preliminary Temporary and Permanent Disturbance Areas for Uinta Basin Railway Construction in the Ashley National Forest

Subtask Objectives

- a. Based on available data and conceptually engineered alignments prepared for the NEPA alternatives, HDR will evaluate anticipated typical cross-sections, access requirements, geophysical site conditions, tunnel portal requirements, and potential construction methods to determine preliminary temporary and permanent disturbance areas to construct the Uinta Basin Railway alternatives in the Ashley National Forest. HDR will not consider modifying the alignment alternatives and will not formally advance design plans for this task but will use existing data to estimate the size of preliminary temporary and permanent disturbance areas to construct the Uinta Basin Railway alternatives.

HDR Activities

HDR will conduct the following tasks:

- a. Evaluate existing engineering data, USDA FS requirements, and potential construction methods.
- b. Identify preliminary temporary and permanent disturbance areas for the Uinta Basin Railway alternatives within the Ashley National Forest.
- c. Prepare a memorandum to document findings.

Key Understandings

- a. Determining preliminary disturbance areas will be based on existing project engineering and information.
- b. Preliminary disturbance areas will be located entirely within the APE.

Meetings

- a. No separate meetings are proposed under this subtask (see Subtask 4)

Deliverables

- a. Draft and Final memorandum to document findings.

(4) Subtask 4: Coordination with USDA FS

Subtask Objectives

- a. HDR will coordinate with USDA FS to identify information needs for USDA FS to complete a Roadless Clearance Analysis for the Uinta Basin Railway alternatives within the Ashley National Forest. Coordination with USDA FS will include identifying information needed for the tree inventory, USDA FS approval of proposed inventory methodology, coordination on preliminary disturbance areas, and providing additional existing project information requested by USDA FS for the Roadless Clearance Analysis.

HDR Activities

HDR will perform the following activities:

- a. Coordinate with USDA FS to determine information needs.
- b. Provide requested information as limited to Subtasks 2 and 4, and existing project information.

Key Understandings

- a. USDA FS coordination may include general discussion of overall USDA FS requirements to authorize Uinta Basin Railway construction in the Ashley National Forest, but this subtask focuses on coordination and providing information in support of the Final EIS.

Meetings

The following meetings are assumed:

- a. Four virtual meetings with USDA FS are proposed to coordinate information needs and review findings.

Deliverables

- a. Up to two (2) transmittals of existing project information (separate from deliverables on tree inventory and disturbance areas) in response to USDA FS information requests.

(5) OWNER'S RESPONSIBILITIES

- a. SCIC to provide timely review of draft deliverables in Subtasks 1 through 4 listed above.

IV. Period of Service

The activities in this Change Order No. 2 shall be completed by September 30, 2021.

V. HDR Fee and Method of Payment

HDR will perform the additional work described in this Change Order No. 2 for a lump sum of \$75,000 inclusive of labor, travel, and expenses. Payment shall be according to the Terms and Conditions of the Master Agreement for Professional Services between OWNER and HDR dated November 9, 2018 and all subsequent amendments thereto.