



BUTTE COUNTY FIRE SAFE COUNCIL

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REQUEST FOR PROPOSAL (RFP)

FEMA Hazard Mitigation Ortho Imagery for GIS

October 9, 2023

The Butte County Fire Safe Council (BCFSC) invites you to submit a proposal for Ortho Imagery for GIS for FEMA Grant DR-4407-0497.

Project Overview

Butte County Fire Safe Council (BCFSC) has been awarded a Hazard Mitigation Grant from the Federal Emergency Management Agency (FEMA). FEMA Grant DR-4407-0497 will fund a program to reduce future fires' rate of spread, intensity, and hazard to homes and infrastructure by creating defensible space and fuels reduction, including hazard tree removal, for participants across the Butte County wildland urban-interface (WUI) area. The program will be available to residences within 500' of officially designated main evacuation routes that are within the unincorporated areas of Butte County. Overall, the project will conduct defensible space inspections and identify the locations of hazardous trees within 300' of a homesite and within 500' of evacuation routes.

The grant has two phases. The purpose of Phase 1 is to build a solid foundation for the program and to identify up to 1,400 homesites for defensible space inspections and identify hazardous trees at up to 1,200 qualified sites. A key part of this grant is the identification of dead, dying or hazardous trees. We are seeking a company to provide Ortho imagery on all evacuation routes in the unincorporated area of Butte County. Exact routes and information will be provided.

Presently the most recent aerial imagery the BCFSC has is over one year old. The rapid changes in tree mortality in the county have made it clear that the FEMA Hazard Mitigation Grant requires up-to-date imagery in order to map potential project areas. The BCFSC requires imagery that can be processed and downloaded as ortho rectified scenes or mosaics through a web interface, software integration or directly via API.

Scope of Work Overview

BCFSC responsibilities: BCFSC will provide evacuation route GIS and other data as required.

Contractor duties:

The requirements for the imagery are as follows.

- 1) Area
 - a. 4 Band (RGB/NIR or Red Edge) Imagery on 500 feet of either side of selected evacuation routes.

- b. Total area of Butte County evacuation routes is 51930 acres.
 - c. Total Linear Distance is 467 miles.
- 2) Specific deliverables:
- a. 3 meter resolution or better.
 - b. Collection date of 6-01-23 to present.
 - c. Processed into ortho rectified mosaic.
 - d. Preference will be given to products containing 4th band spectral resolution (infrared).
 - e. The BCFSC requires imagery that can be processed and downloaded as ortho rectified scenes or mosaics through a web interface, software integration or directly via API.

2. Contractor shall provide above listed information to the BCFSC

3. The Ortho Imagery project shall commence on November 13, 2023, and be complete by December 31, 2023, with all information included in this scope of services transmitted to the BCFSC by December 31, 2023. The contractor shall be responsible for completing the task in a timely manner, within the deadlines of the grant or be considered in breach of contract. The Contractor shall perform tasks to properly assign staff, communicate with the BCFSC, and track resources for accounting and correct invoicing. Expectations will be that all time and services will be accounted for, and proactive communication will be performed.

Request for Proposal Submission Timeline

- Any inquiry regarding this RFP shall be submitted by email to firesafe@buttefiresafe.net on or before October 16, 2023, 4:00pm.
- Responses will be made in the form of an “Addendum to the Document” and will be furnished to all proposers via email by Oct 23, 2023, at 4:00pm.
- Bids shall be submitted to BCFSC on or before October 30, 2023 at 4:00pm. Proposals may be submitted via email to firesafe@buttefiresafe.net or delivered in person to 6585 Clark Road, Suite 200, Paradise, CA.

If interested, please email Ron Ward at ron_ward@buttefiresafe.net for a full copy of the RFP. For questions and other information, please call 530-877-0984.