

Project Summary

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Project Overview

Project Name	Caltrans District 4 Vegetation Management Program Corridor - Contract 3 Wildfire Adaptation Fuel Reduction Vegetation and Tree Removal Project
GlobalID	ac17361b-397a-4d3a-8f71-39b3b028db8d
Project Land Area (Acres)	1697.3399999999999
Primary Project Objectives	removeHazardous_Dead_Dying,roadways,maintenance

Applicant Information

Name	Teresa Kennedy, Caltrans, District 4 Vegetation Management Senior Landscape Architect
Organization	GOV
Cooperating agencies and/or resources	Caltrans District 4 is working with San Mateo Resource Conservation District and Alameda County Fire Department to implement part of the project in San Mateo County along SR 1 at PM 40.1-40.7 and I-580 in Alameda County at PM R2.4-R5.574, respectively. Co
Responsibility Area	LRA,SRA
Qualified Responsible Party Known	No
Is a burn boss or cultural burner involved?	
CAL FIRE Unit	AEU,CZU,LNU,SCU,MRN
Commercial Harvest (if yes, explain)	No Click or tap here to enter text.

Treatments

Select all applicable treatment activities

mechanical,manual,herbicide

Description of Work

Caltrans District 4 is planning to conduct vegetation management activities within the right-of-way of the State Highway System (SHS) to reduce wildfire ignition risk and establish fuel breaks to facilitate safe and reliable roadway access for the public and emergency first responders. The proposed project would occur in selected segments, covering approximately 1697.34 acres, of the SHS along SR 13, SR 24, and I-580 in Alameda County; SR 24 and SR 80 in Contra Costa County; SR 101 and I-580 in Marin County; SR 29 and SR 128 in Napa County; SR 9 and SR 130 in Santa Clara County; SR 12 in Solano County; SR 101, SR 116, and SR 128 in Sonoma County; and SR 1 in San Mateo County. The selection of the treatment areas is based on the Winter Workshops conducted with local fire officials in 2021 and 2022, published Community Wildfire Protection Plans, the 2024 CAL FIRE's Fire Hazard Severity Zones, the 2015 Interregional Road System Mapping, and the 2020 UC Davis Wildfire Vulnerability Assessment. Biological and cultural resources technical reports are underway to help inform project planning and treatments.

Fuels Management

Vegetation (veg) within 10' of Edge of Pavement (EOP) will be cleared to bare soil by manual & chemical treatments. Between 10' EOP & edge of Caltrans ROW, treatment will focus on removal of invasive species & dead, dying or diseased veg. In native shrubland, ladder fuels will be reduced by thinning but not result in type conversion. In forested areas, removal will focus on trees less than 10" DBH, & trees greater than 10" DBH will be prioritized for preservation to maintain a shaded fuel break. Trees will be manually removed. Mechanical work & tree removal will only occur on SR1 San Mateo Co.

Ground-based Equipment

Manual treatment equipment includes hand tools & hand-operated power tools: chainsaw, landscape axe, fire rake, Pulaski, lopper, pole/handsaw, line trimmer, hedge trimmer, boom truck (only from the roadway for larger trees on steep slopes or areas that are difficult to access), & McLeod. Hand sprayer used for herbicide application. Trucks used to transport equipment. Tree removal along SM1 may also include excavators (e.g., debris removal, masticator, & feller-buncher) and tracked chipper. No water crossing by equipment or vehicles will occur. No earth moving or grading is proposed.

Woody Debris (or Slash) Management

Biomass created within Caltrans right of way except along SM-1 would be removed from the treatment areas for off-site disposal. Removed trees along SM-1 would be 1) cut to size; 2) processed by chipping up to a depth of 4 inches, or mastication; or 3) removed from the treatment areas for off-site disposal. Invasive plants and noxious weeds would be removed and disposed of off-site at an appropriate waste collection facility.

Burn Management

N/A

Burn Duration Estimate

N/A

Overnight Activity

N/A

Impact on Smoke Sensitive Areas
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N/A

Smoke Sensitive Areas

N/A

Actions Taken

N/A

Public Notification

N/A

Maintenance Plan

Maintenance is anticipated to occur every 1 to 2 years within the Vegetation Management Strip (first 10 feet along the pavement edge). Subsequent treatments beyond the Vegetation Management Strip to the edge of right of way are anticipated to maintain the initial treatment effect, but generally less intensively.
