

## **APPENDIX F**

### **LA-RICS LTE Project**

### **Fire Management Plan**

This plan was originally developed in December 2014 for use with the entire LA-RICS LTE project.

The plan does not require tracking of sites dropping from the LTE system, but does accommodate new sites added to the system by way of addenda.

A pending update is shown for inclusion of five sites, including four sites analyzed in this EA (sites CHPNWHLL, LDWP243, ONK, and SDW) and one site analyzed in SEA1 (Site VPC) on the last page of this document.

# LA-RICS LTE Project Fire Management Plan

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December 29, 2014

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## 1. Definitions

- A. Activity:** An action related to the project that presents a risk of igniting a wildfire.
- B. Authority:** The Los Angeles Regional Interoperable Communication System (LA-RICS) Joint Powers Authority.
- C. Environmental Assessment (EA):** The Final Environmental Assessment for the Broadband Technology Opportunities Program (BTOP), Los Angeles Regional Interoperable Communications System (LA-RICS) Project, October 2015.
- D. Fire Management Lead:** An Authority-designated assignee or his designee, who will monitor compliance with this plan, to continually evaluate fire prevention and fire safety issues, and to be the primary contact regarding fire management activities within a given fire jurisdiction. Because three jurisdictions are covered by this plan, there are three Fire Management Leads identified in this plan (see Section 6).
- E. Mitigation Measure HS MM2:** This Fire Management Plan is intended to effect compliance with this measure, identified in the EA, which states:  
  
*“Prior to construction activity, the Authority must work with the agency responsible for fire protection to develop and implement a fire management plan for use during construction activity on those LTE project sites proposed in areas designated as high fire hazard severity zones. The plan will contain notification procedures and emergency fire prevention and control measures.”*
- F. “Normal” Fire Risk Conditions:** Any conditions other than those identified as “Red Flag” or otherwise designated as high fire risk by the Authority Fire Management Lead.
- G. Plan:** This LA-RICS LTE Project Fire Management Plan, or any Authority-approved updates to this plan.
- H. Project:** The LA-RICS Long Term Evolution (LTE) project
- I. Red Flag Warning (RFW):** A Red Flag Warning is issued for a stated period of time by the National Weather Service (NWS) using pre-determined criteria to identify particularly critical fire danger in a particular geographic area. All construction and maintenance activities shall cease during RFWs, as discussed in the plan.

## 2. Project Description

**Project Overview.** The design of the project includes installation of approximately 231 new monopoles or other antennae support structures and antennae. The standard monopole would be up to 70 feet tall, and typically approximately seven feet in diameter at the base. Lightning rods would be attached at the apex of each monopole and microwave backhaul antennas and LTE panel antennas would be attached at varying heights along the monopole. Up to four climate-controlled equipment cabinets would house the backhaul equipment, network equipment, and backup batteries, although existing shelters would be used where available and appropriate. Some trenching, fencing installation, and other site preparation and development activity is likely at most sites. Most proposed LTE site construction would occur on previously disturbed ground, necessitating only minor grading and removal of existing pavement to install most system components.

Forty two of these LTE sites, located primarily in rural or semi-rural areas in Los Angeles County, have been identified in the EA as being within a high or very high fire hazard severity zone within Local Responsibility Areas (LRAs) or State Responsibility Areas (SRAs). These sites do not include LTE sites contemplated on federal lands. Fire management for sites on federal lands will be guided under separate planning documents, as appropriate for each federal jurisdiction. Table 1 lists the 42 sites that are the subject of this plan, inclusive of their addresses and applicable fire jurisdictions. Note that one site, WCFD004, is no longer contemplated for construction, and no agency coordination is contemplated for that station. Figure 1 and Figure 2 show the location of LTE sites in fire hazard severity zones.

**Project Schedule:** Construction will be continuous from December, 2014 through September 30, 2015.

**Table 1. Sites Contemplated in this Plan**

Site ID	Location	City (Area)	Jurisdiction (Fire Agency)
BMT	46811 Ridge Route	Gorman	LA County FD
GLNDL23	3303 East Chevy Chase Drive	Glendale	Glendale FD
GLNDL24	1734 Canada Road	Glendale	Glendale FD
LACF053	6124 Palos Verdes Drive South	Rancho Palos Verdes	LA County FD
LACF056	12 Crest Road West	Rolling Hills	LA County FD
LACF065	4204 N Cornell Road	Agoura	LA County FD
LACF068	24130 Calabasas Road	Calabasas	LA County FD
LACF069	401 S. Topanga Canyon Blvd.	Topanga	LA County FD
LACF071	28722 W Pacific Coast Hwy	Malibu	LA County FD
LACF072	1832 South Decker Road	Malibu	LA County FD
LACF076	27223 Henry Mayo Dr.	Santa Clarita	LA County FD
LACF077	46833 Peace Valley Road	Gorman	LA County FD
LACF078	17021 West Elizabeth Lake Road	Lake Hughes	LA County FD
LACF080	1533 West Sierra Hwy	Acton	LA County FD
LACF081	8710 West Sierra Hwy	Agua Dulce	LA County FD
LACF083	83 Miraleste Plaza	Rancho Palos Verdes	LA County FD
LACF088	23720 W Malibu Road	Malibu	LA County FD
LACF091	2691 South Turnbull Canyon Road	Hacienda Heights	LA County FD
LACF099	32550 Pacific Coast Highway	Malibu	LA County FD
LACF106	27413 Indian Peak Road	Rolling Hills Estates	LA County FD
LACF108	28799 N. Rock Canyon Dr.	Santa Clarita	LA County FD
LACF123	26321 North Sand Canyon Road	Santa Clarita	LA County FD
LACF132	29310 Sand Canyon Road	Santa Clarita	LA County FD
LACF140	8723 Elizabeth Lake Road	Leona Valley	LA County FD
LACF144	31981 Foxfield Dr.	Westlake Village	LA County FD
LACF149	31770 Ridge Route	Castaic	LA County FD
LACF157	15921 Spunky Canyon Road	Green Valley	LA County FD
LACF194	13540 S. Beach Boulevard	La Mirada	LA County FD
LACFCP14	35100 San Francisquito Canyon Rd	Saugus	LA County FD
LACOLV	14445 Olive View Drive Ste. 2B182	Sylmar	LA County FD
LAFD019	12229 Sunset Boulevard	Brentwood	LA City FD
LAFD047	4575 S. Huntington Drive	El Sereno	LA City FD
LAFD076	3111 N. Cahuenga Boulevard	Universal City	LA City FD
LAFD077	9224 Sunland Boulevard	Sun Valley	LA City FD
LAFD097	8021 Mulholland Drive	Los Angeles	LA City FD
LALG300	30050 Pacific Coast Highway	Malibu	LA County FD
LASDCVS	4554 Briggs Ave	La Crescenta	LA County FD
LASDNCC	29340 The Old Road	Castaic	LA County FD
LHS	27050 Agoura Rd	Agoura	LA County FD
MTW	721 Lark Court	Los Angeles	LA City FD
SVP	17500 Mulholland Dr.	Los Angeles	LA City FD
WCFD004*	1815 S Azusa Ave	West Covina	West Covina FD
*Site WCFD004 is no longer contemplated for construction in this action			

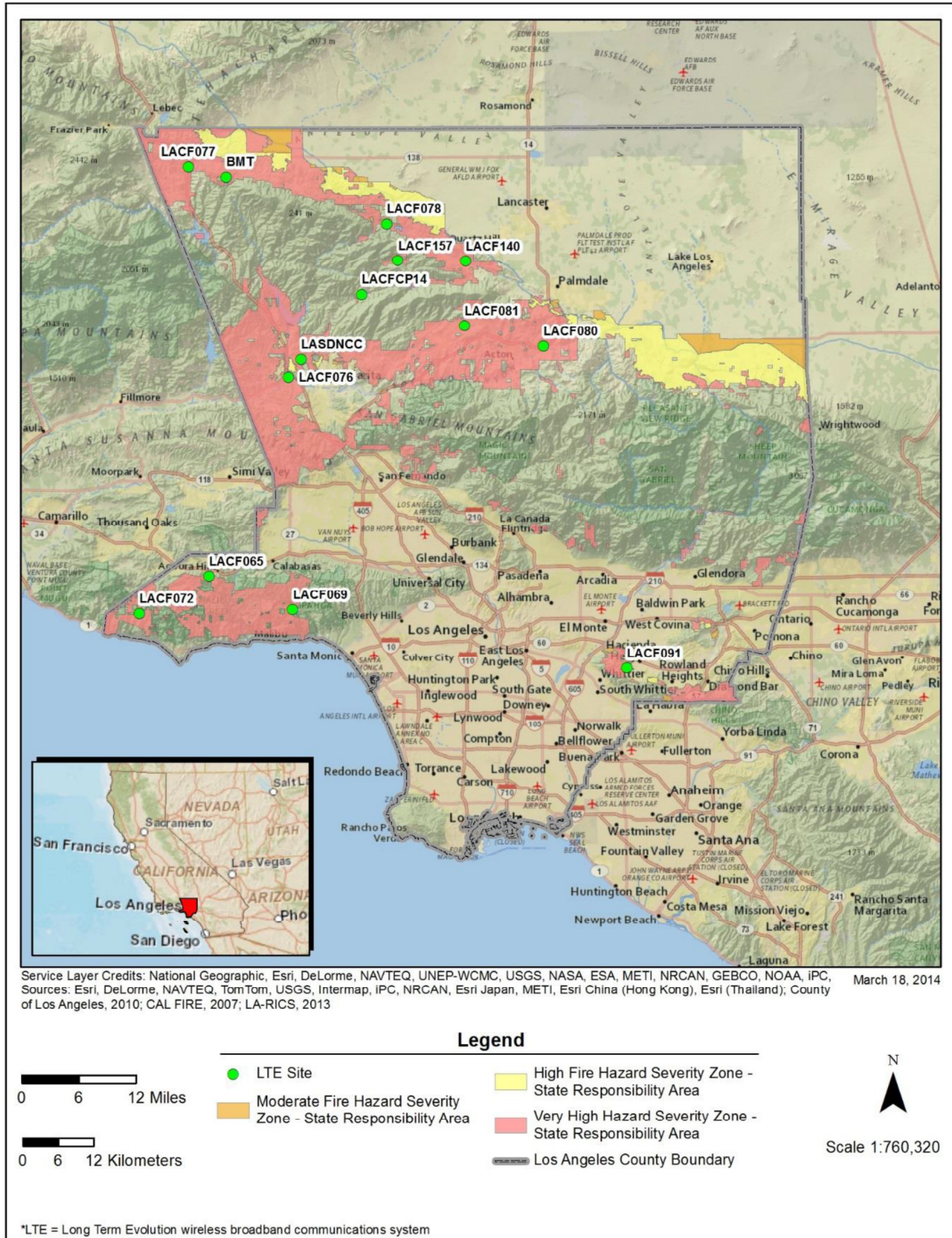
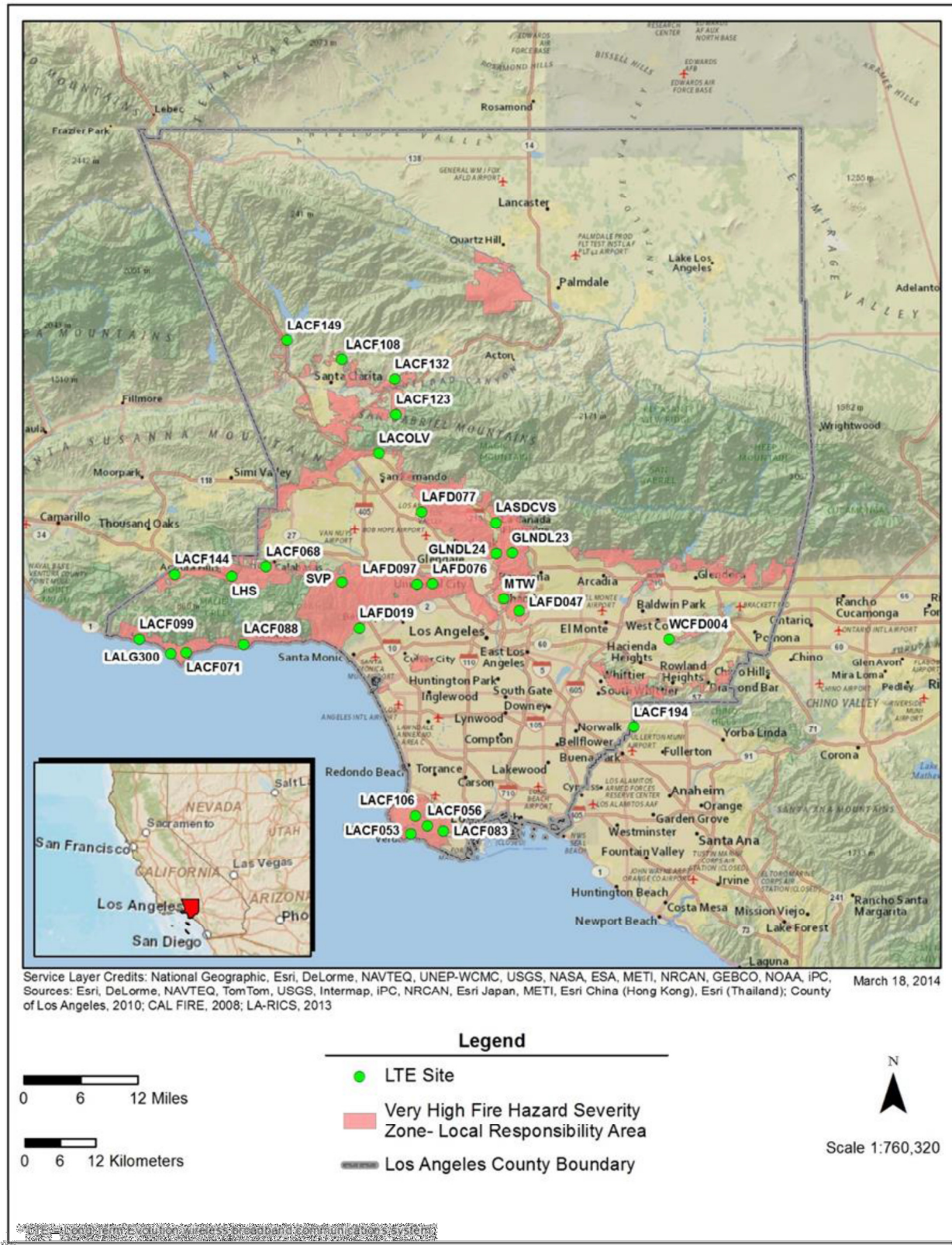


Figure 1. Sites in High and Very High Fire Hazard Severity Zones, State Responsibility Areas







**Anticipated Construction Activities.** Table 2 presents the work activities anticipated during the construction phase of the project. Note that consideration for suppression equipment requirements are independent of whether an activity is allowed during Red Flag. In the event activities overlap, Contractor will default to the more stringent equipment requirement. Any deviation from this list requires prior written approval from the appropriate Fire Management Lead.

**Table 2. Management of Anticipated Construction Activities.**

Activity	Allowed During Red Flag?	Level of Suppression Equipment Required <sup>1</sup>
Geotechnical boring	No	3
Site grading, drilling, or excavation	No	3
Chainsaws	No	2
Chipping or grinding	No	3
Other vegetation removal <sup>2</sup>	No	3
Shoring and/or caisson installation	No	3
Blasting <sup>2,3</sup>	No	3
Concrete pouring	Yes	2
Welding	No	3
Crane or lift operations	No	2
Trenching	No	3
Equipment/infrastructure installation after foundation is complete	No	2
Installation of antennae on built towers	Yes	2
Site access (deliveries and inspections)	Yes	0
Minor work with hand or mechanic's tools	Yes	1
Equipment testing (including generators)	Yes	1
Antenna alignment	Yes	1
Smoking <sup>4</sup>	No	1

<sup>1</sup>Reference equipment list at Section 3.

<sup>2</sup>Prior approval required from Project Biologist (except in emergencies)

<sup>3</sup>Prior approval required from appropriate Fire Management Lead

<sup>4</sup>Smoking, when allowable, will only be permitted in areas pre-specified by the Fire Management Lead. Smoking may not be allowed at some sites regardless of red flag condition. All smoking debris will be inspected and immediately removed (i.e., "no butts").

### 3. Fire Equipment Requirements

The following are the standard fire suppression equipment lists, required at each site during construction activities identified in Table 2. Provision and use of equipment is the responsibility of the Contractor. All equipment used on site will be in operational condition, as determined by the Fire Management Lead.

#### Level 0

- No equipment required

**Level 1**

- One hand tool (round-pointed shovel or Pulaski) on site

**Level 2.** Includes all Level 1 equipment, and

- One hand tool (round-pointed shovel or Pulaski) for each construction crew member
- Backpack pump (five gallon, water filled and operational)
- Fire Extinguisher (1 gallon, Type ABC certified, charged)

**Level 3.** Includes all Level 2 equipment, and:

- Water buffalo that includes approved fire hose (single jacket, 1-inch or 1.5-inch diameter [dependent on orifice on buffalo], 100-foot length), and functional coupling(s) and nozzle. On approval by Fire Management Lead, a water-filled and fully operational 5-gallon backpack pump may be used in lieu of the water buffalo.

**4. Training**

All construction personnel will receive training, as approved by the appropriate Fire Management Lead, showing proper technique for early fire suppression. Fire prevention and/or suppression topics will be included as a topic during daily tailgate safety sessions. A safe zone will be designated prior to commencement of construction activities.

**5. Suppression Activities**

In the event a fire is ignited, construction crews will take measures, within the scope of their training, to suppress small fires. Suppression activities will include:

- A. Call 9-1-1 and report exact location and nature of incident
- B. Begin suppression activities to include smothering and/or cooling small fires with appropriate equipment
- C. In the event incident becomes large, evacuate to pre-designated safe zone, to be identified during preconstruction meeting or first day tailgate session.

**6. Plan Updates and/or Amendments**

Any updates or amendments to this plan will be approved, at a minimum, by the appropriate Fire Management Lead(s), Authority Construction Manager, and Authority Project Biologist

## 7. Fire Management Plan Points of Contact

Table 3 contains the functional roles, names, and contact information for individuals responsible for implementation of this plan.

**Table 3. Fire Management Plan Points of Contact**

Role	Name	Cell Phone	Email
Fire Management Lead (LA County Jurisdiction)	Kirby Neese Battalion Chief LA County Fire Department	213.718.0804	<a href="mailto:kirby.neese@fire.lacounty.gov">kirby.neese@fire.lacounty.gov</a>
Fire Management Lead (LA City Jurisdiction)	Kevin Nida Battalion Chief LA City Fire Department	818.749.3900	<a href="mailto:kevin.nida@lacity.org">kevin.nida@lacity.org</a>
Fire Management Lead (City of Glendale Jurisdiction)	TBD	TBD	TBD
Construction Manager (Authority)	Justin Delfino Construction Manager, Local Safety Contact Jacobs	480.393.6682	<a href="mailto:justin.delfino@jacobs.com">justin.delfino@jacobs.com</a>
Construction Manager (Motorola)	Gustavo Vazquez Project Lead Manager Motorola	714.272.4481	<a href="mailto:gus.vazquez@motorolasolutions.com">gus.vazquez@motorolasolutions.com</a>
Project Biologist (Authority)	Brian Weith Project Biologist Jacobs	909.912.4564	<a href="mailto:brian.weith@jacobs.com">brian.weith@jacobs.com</a>
Project Biologist (Authority)	Dave Charlton Project Biologist Jacobs	760.718.0948	<a href="mailto:david.charlton@jacobs.com">david.charlton@jacobs.com</a>

**Addendum to LA-RICS LTE Fire Management Plan. New Sites Not Previously Included**

<b>Site ID</b>	<b>Location</b>	<b>City (Area)</b>	<b>Jurisdiction (Fire Agency)</b>
VPC	46811 Ridge Route	Glendale	Glendale FD
CHPNWHLL	28648 The Old Road	Santa Clarita (Area)	LA County
LDWP243	Elsmere Mountainway	Sylmar (Los Angeles)	City of LA
ONK	Palo Sola Truck Road	Chatsworth (Area)	LA County
SDW	310 Via Blanca	San Dimas	City of San Dimas

**Concurrences:**

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**Project Biologist**

**Sign Name**

**Print Name**

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**Fire Management Lead**

**Sign Name**

**Print Name**

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**Construction Manager**

**Sign Name**

**Print Name**