



FIRE PREVENTION STANDARD

INSTALLATION OF BRIDGES ON DRIVEWAYS AND FIRE APPARATUS ACCESS ROADS

SCOPE

The San Ramon Valley Fire Protection District specifies the nature of bridges installed on fire apparatus access roads and driveways used to gain access for fires, medical, rescue, or other emergencies pursuant to Chapter 5 and Appendix D of the California Fire Code 2022 Edition and Ordinance 2022-37.

STANDARD

1. Where a bridge is part of a fire apparatus access road, the bridge shall be constructed and maintained in accordance with the American Association of State Highway and Transportation Officials (AASHTO) standard HB-17. Any person installing a bridge on a private road or driveway shall obtain approval from the Fire District prior to installation.
2. The minimum horizontal unobstructed clearance shall be not less than 16 feet exclusive of curbs and shoulders for bridges serving a residential driveway (serving 1-2 single family residences) and shall be not less than 20 feet exclusive of curbs and shoulders for bridges serving a private roadway (more than 2 single family residences).
3. The minimum net vertical unobstructed clearance shall be not less than 13 feet, 6 inches (13' 6").
4. Bridges shall be engineered for a minimum 74,000 pounds of gross vehicle weight. All bridges shall have affixed to each approach side of the bridge a reflective permanent metal sign that indicates the engineered maximum vehicle weight. Signs shall have black letters and numerals at least 3 inches in height with a one-inch stroke and on a yellow reflective metal panel. Bridges shall be load tested and certified once every ten (10) years where structural integrity is in question or when required by the Fire Marshal by an approved California licensed structural engineer.
5. Where elevated surfaces designed for emergency vehicle use are adjacent to surfaces that are not designed for such use, approved barriers, approved signs, or both shall be installed and maintained where required by the fire code official.