



LAS VEGAS FIRE & RESCUE

Fire Prevention Division

Information Sheet



The items listed are basic information only. Please refer to adopted codes for specific details. Codes are subject to change. Additional requirements may apply.

Effective Date: January 06, 2026

Submittal Guide for FIRE ACCESS GATES

This guide is to assist in the permitting process for new or existing fire access gates that cross a fire apparatus access road. A permit is required per Section 105.7.12 of the IFC. The fire code official shall approve the installation of an access gate across a fire apparatus road. Access Gates shall be installed in accordance with Section 503.6 of the IFC.

These permits are part of the Building & Safety wall/fence permit package, and you will submit under [Building & Offsite Permits](#) when there are gates that cross required fire access lanes. The following information must be submitted in addition to the requirements of Building & Safety, Planning, Traffic, or other City departments.

Submittal Requirements:

The listed requirements are not intended to be all-inclusive, nor do they limit the extent of information that may be necessary to properly evaluate the submitted documents. Not all items may apply to your project.

Construction Documents:

The plans and specifications shall indicate or show the following information where applicable.

- Contractor's business name, address, phone number, license number, and contact person.
- Site plan with north arrow, roadway, and gate dimensions
- Location of underground roadway detector loop and green marker, if applicable
- Detailed vicinity map including major cross streets.
- Approved civil plans, if applicable, showing gate and hydrant location(s). (Used to ensure that the fence, wall, or gate is not impacting access to hydrants or required fire protection systems and similar)
- Project name, address, and Assessor's Parcel Number (APN).
- Contractor's/Owner's contact information.
- Access width through gates(minimum 20'). If a 20' wide gate, it shall be single swing.
- The fire access lane on each side of the gate is a minimum of 24 feet wide.
- The clear height shall be a minimum of 13'-6".
- Provide Gate type as indicated below.

Fire Inspections Section - (702) 229-0366 lvfireprevention@lasvegasnevada.gov

Fire Engineering Section - (702) 229-5397 lvfireengineering@lasvegasnevada.gov



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Manual (Non-automatic) gates:

Non-motorized, manual gates across the emergency access route that require emergency responders to unlock them with a Knox padlock or another approved means. In addition to the above, the following information must be provided for these types of gates:

- Clarify how the gate will be operated.
- Provide information on the locking system and how access is provided.
- Prior approval of the locking system is required for proposals other than Knox.
- Approved manual gates or barriers across emergency access roadways shall be provided with an 18-gauge metal sign in the center of and on both sides of the gate that shall read, "FIRE LANE – NO PARKING". Letters shall be red on a white background and be a minimum of 4 in. (76 mm) high with a ½ in. (12.7 mm) stroke.

Automatic gates:

Gates that are motorized across required emergency access roadways. These are electronic gate openers, roadway loop detectors, and other related equipment to allow emergency response with minimal delay. In addition to the above, the following information must be provided for these types of gates:

- Location of Automatic Vehicle Identification system (AVI) underground roadway loops and markers.
- Detector Loop: (Loop distance and be no closer than 15 feet from the gate.) Provide the dimensions from the center of the gate to the green marker, identifying the AVI loop.
- Safety Loop: Dimensions must extend across the center of the road to be within 2ft of the right and left sides of the access lane.
- Location of the Knox key switch (key switch to be installed on the entrance gate).
- Provide Manufacturer specification sheets for all components. Shall be listed in accordance with UL 325 and installed in accordance with ASTM F2200.
- In the event of a power failure, explain fail-safe conditions.
- Emergency operation shall always be functioning.
- Provide information on the AVI Transmitter.
- **The Installing contractor shall supply the Fire Department with two transmitters for each gate. (1) Diablo model AVI-X-1 and (1) Reno A&E AVI-XM-911. These transmitters shall be received upon rough or final inspection.**
- Electrical Plans showing point of connection circuiting, single line diagram, service and load calculations, to include all fault current and short circuit calculations. Voltage drop and panel schedule.
- No Spikes or any other direction-limiting devices indicated.

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- Gates shall swing in the direction of travel.
- Gates shall not be installed within a required turning radius of a fire access roadway.
- All gates shall be accessible from the driving lane nearest the edge of the street by turning radii of at least 28ft. (18.5 m.) inside and 52 ft. (15.85 m.) outside.

Example Loop diagram

