



CLARK COUNTY FIRE DEPARTMENT
Fire Prevention Bureau
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Permit Type: 105.7.15
Control Number: A.0
Effective Date: 9/14/11

TITLE: ACCESS GATES - AUTOMATIC

SCOPE: Clark County Fire Department requirements for the submittal and approval of automatic-electric gates installed across fire apparatus access roads.

PURPOSE: To standardize plan/permit requirements required by the Fire Department in accordance with the Clark County Fire Code for electrically operated access gates are installed across any emergency vehicle access way.

DEFINITIONS:

ASSESSOR'S PARCEL NUMBER (APN): A unique number assigned to each property by the Clark County Assessor's office.

PERMIT FEES:

Permit fees shall be assessed in accordance with the Permit Fee Schedule as adopted in the Clark County Fire Code.

SPECIFICATIONS AND REQUIREMENTS

An application must be completed for each submittal. A minimum of three sets of plans shall be submitted with the permit application. Plans shall show compliance in accordance with section 503 of the Clark County Fire Code as adopted and amended. All submittals must be legible and readable or the plan shall be issued a correction letter for cause.

Plans shall include the following:

1. Site plan with north arrow, roadway and gate dimensions, location and address including assessor's parcel number.
2. Location and length of underground roadway detector loop and green marker. Underground roadway loop must extend across center of road to be within 2' 0" of right and left sides of access lane.
3. Manufacturers' specifications sheets detailing the voltage, current, radio frequency, power cable and coding for the proposed system.

4. Battery backup for power failure or explanation of how gates can be opened in the event of power failure without having to climb over the fence, break a lock, or possess any special knowledge or procedures.
5. Detailed vicinity map.
6. Contractor's statement of compatibility of existing installations.
7. When required by the *fire code official*, the installing contractor or the owner of the property shall provide the Fire Department transmitter(s) or approved alternative without cost to the Fire Department.
8. Gates must have a minimum clear opening width of 20'-0".
9. Gates must begin automatic opening sequence at a point no closer than 25'-0" as measured from the center of the gate.
10. Electrically operated access gates must be equipped with an Automatic Vehicle Identification System, utilizing a standard roadway loop to a vehicle detector/receiver which is to be mounted on Fire Department emergency response vehicles. Electrically controlled gates that are not manned on a 24-hour basis shall be provided with an approved vehicle detector/receiver system in accordance with these guidelines.
11. Automatic Vehicle Identification Access System installations must incorporate the following:
 - a. Voltage – 12 volt D.C. (11.5 – 15.0), with protection against current reversal and momentary over voltage
 - b. Current – 0.065 amps to 0.035 amps
 - c. R.F. – 375 kHz, crystal controlled and pulse modulated type carrier(s)
 - d. Power cable – utilize two conductor twisted and shielded cables
 - e. Coding – codes must transmit every 15 ms.
12. The emergency vehicle access code shall be the same code as that is utilized for the systems safety loop. It is the manufacturer's responsibility to ensure that the Emergency Vehicle Code is identical for all installations within Clark County.
13. Access gate systems shall be maintained operational at all times.
14. Non-complying gates shall be secured in the open position in a manner approved by the Fire Department.

PERMIT REVISIONS AND RESUBMITTALS:

Revisions to approved plans are required to be submitted and approved. Revisions will be assessed additional plan review fees. A copy of the previously approved plan shall accompany the revised submittal to facilitate the review. Clearly indicate all changes to the revised plans by clouding the change with a delta number to signify the date of plan change. When several changes have been made, a detailed list of changes is required.

Re-submittals to address a Letter of Correction will require a full submittal. These plans require a copy of the red lined plan from the previous submittal to facilitate the review. Clearly indicate all changes by clouding the change with the delta number to signify the date of plan change.

PLANS CHECK STATUS INSTRUCTIONS:

The status of the review can be checked by logging on to:

www.clarkcountynv.gov/depts/fire .

INSPECTION SCHEDULING INSTRUCTIONS:

If approved, an inspection will need to be scheduled. To schedule an inspection, go to: www.clarkcountynv.gov/depts/fire. A fire inspector will review your site in accordance with the approved plans and this guideline.

A final inspection, conducted by the Fire Department, is required prior to placing the Automatic Vehicle Identification System into use. The following conditions apply:

1. Approved plans must be provided on site at time of inspection.
2. Installations must conform to approved plans.
3. An operational test shall be conducted prior to placing the system into operation to establish that the final installation complies with this code and the specified design and is functioning properly.

The Clark County Fire Department's Fire Prevention Bureau (FPB) may perform testing, acceptance, and maintenance of fire & life safety systems as required by and within the scope and authority of the Clark County Fire Code – 2005 Edition.

This Guideline does not take the place of the Fire Code and does not take precedence over any Fire Code requirement or position taken by the Fire Chief. When a conflict exists between the requirements of this Guideline and the Fire Code or the opinion of the Fire Chief, the Fire Code or opinion of the Fire Chief prevails.

Technical Assistance may be required and when it is it will require a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the owner. The Fire Chief is authorized to require design submittals to bear the Wet Stamp and Signature of a professional engineer.

Acceptance of Alternative Materials and Methods requires a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the owner. The Fire Chief is authorized to require design submittals to bear the Wet Stamp and Signature of a professional engineer.