



COMMUNITY DEVELOPMENT DEPARTMENT PLANNING DIVISION

FEDERAL AVIATION REGULATION PART 77 REVIEW HANDOUT

Rule 77 (Objects Affecting Navigable Airspace) requires all persons proposing any kind of construction or alteration¹ to give adequate notice to the Federal Aviation Administration (FAA). This process enables the FAA to:

- Evaluate the effect of the proposed construction or alteration on operational procedures and proposed operational procedures in the navigable airspace surrounding an airport;
- Determine the possible hazardous effects of the proposed construction or alteration on air navigation;
- Make recommendations for identifying the construction or alteration in accordance with current Federal Aviation Administration Advisory Circular AC 70/7460-1 entitled "Obstruction Marking and Lighting;"
- Determine other appropriate measures to be applied for continued safety of air navigation; and
- Charting and other notification to airmen of the construction or alteration (airspace navigation charts).

Rule 77 applies to any object of natural growth, terrain, or permanent or temporary construction or alteration, including equipment or materials used therein, and accessories of a permanent or temporary character. In addition, any alteration of any permanent or temporary existing structure by a change in its height (including accessories), or lateral dimensions, including equipment or materials used therein. The following are examples of structure requiring notice to the FAA:

1. Structures
 - a. Buildings
 - b. Antenna Towers
 - c. Roadways
 - d. Overhead Communications and transmission lines as well as the height of the supporting structures
 - e. Water towers and the supporting structure
2. Construction equipment or other temporary structures
 - a. Cranes
 - b. Derricks
 - c. Stockpiles of equipment
 - d. Earth moving equipment

¹ As described in Section 77.13 (a) of the Federal Aviation Regulations – Construction or Alterations Requiring Notice.

FEDERAL AVIATION REGULATIONS PART 77 REVIEW HANDOUT

To determine if your proposed project warrants a Rule 77 Review, enter appropriate data to the following equation:

$$\frac{\text{Distance between the nearest point of the nearest runway and subject property}}{\text{Slope Ratio}} = \text{Maximum height permitted (ft) before Part 77 is required}$$

***If your project or equipment height is more than the maximum height permitted according to the formula above, FAA Review as to Rule 77 is REQUIRED.

EXAMPLE: A developer is proposing to build a fifty (50) foot building on a site located within the Riverside Municipal Airport's Influence Area. The proposed subject site is located approximately 3,241 feet from the nearest point of the nearest runway (i.e., the shortest distance between the runway and the proposed project's site). Using the formula above, does this project require a Part 77 Review?

$$\frac{3,241}{100} = 32.41 \text{ ft.}$$

ANSWER: Yes. Because the proposed building height (50 feet) is more than the maximum height permitted (32.41 feet), a Part 77 would be required.

Slope Ratios to Determine the Applicability of Federal Aviation Regulation Rule 77

- *Riverside Municipal Airport*
 - Slope Ratio: 100 to 1.
- *Flabob Airport*
 - Slope Ratio: 50 to 1.
- *March Air Reserve Base*
 - Slope Ratio: 100 to 1.

FEDERAL AVIATION REGULATIONS PART 77 REVIEW HANDOUT

You must notify the FAA of your proposed construction or alteration thirty (30) days before the earlier of the following:

- The date the proposed construction or alteration is to begin, or
- The date the application for a construction permit will be filed.

PLEASE NOTE: If a project needs a Part 77 Review, the FAA Review must be completed before an application may be submitted to City Planning Division Staff or ALUC Staff (if it is needed). A copy of the FAA's findings is required, along with all other necessary documentation. If the FAA Review is not included at the time of submittal, the application is deemed incomplete and cannot be processed.

Attached:

1. Notice of Proposed Construction or Alteration (FAA Form 7460)
 - Form and additional information is available from the Federal Aviation Administration at <http://forms.faa.gov/forms/faa7460-1.pdf>.
2. Airport Land Use Information Sheet

3900 Main Street – Third Floor, Riverside, CA 92522
Phone: (951) 826-5371 / Fax: (951) 826-5981
www.riversideca.gov/planning