

Private Airport Construction Requirements

Private airport owner / builders should be advised that Kentucky statutes and regulations stipulate safety standards for all aircraft landing sites. In general, the standards require the following at a private airport:

1. A wind indicator discernible from 1,000ft AGL.
2. Runway markers including displaced threshold markers.
3. Adequate runway length, width and layout for intended aircraft operations.
4. Owner control of a 150ft width land area and at least a 100ft primary surface width clear of all obstructions, centered on the runway.
5. Compliance with state statutes and regulations: [KRS183.090](#), and [602 KAR Chapter 20](#) applicable to private airports, and all airports.
6. Site safety inspection in accordance with [KRS 183.090](#).
7. An adjoining area free from obstructions based on a proper glide ratio. Minimum ratios are; 20:1 for aircraft with approach speeds of 50kts or more, and 15:1 for aircraft with approach speeds of 50kts or less.
8. No power lines crossing over the runway environment.

The design and construction standards in use for airports are contained in FAA Advisory Circular [AC 150-5300-13](#)

In addition to state requirements, 14 CFR Part 157 requires all persons to notify the FAA at least 90 days before construction by submitting a [FAA Form 7480-1](#) Notice of Landing Area Proposal. 7480-1 proposals are submitted to the FAA by the owner / builder.

We also recommend enlisting the services of an aviation consultant to guide you through the process of airport design and construction.

After licensing, owners should notify the Department of Aviation of any substantial changes at their facilities. For additional information, please contact Joe Carter or Terry Hancock, Airport Inspections Branch at 502-564-4480 or joe.carter@ky.gov terry.hancock@ky.gov