

KEY

- EAST-WEST RUNWAY TRANSITION ZONE
- NW-SE RUNWAY TRANSITION ZONE
- APPROACH SURFACE - SLOPE 20:1 AT 5000' HORIZ. DIST.
- HORIZONTAL SURFACE - 150' ABOVE AIRPORT ELEVATION AT 5000' HORIZ. DIST.
- CONICAL SURFACE - SLOPE 20:1 AT 4000' HORIZ. DIST.

Primary Surface. An airport's primary surface is its longitudinally centered runway in which its elevation is the same for any point along its centered line. The minimum primary surface width allowable for visual runways, such as Safford's, is 250 feet. For paved runways the primary surface extends 200 feet from the end of the paved surface. For the Safford Airport the primary surface elevation ranges from 3157 feet msl to 3176 feet msl.

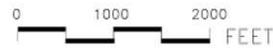
Horizontal Surface. The imaginary plane existing 150 feet above the airstrip elevation. For visual runways, the perimeter of this surface is a series of arcs with minimum radius of 5000 feet from the center of each end of the runways primary surface, connected by the tangent to those arcs. For the Safford Airport the horizontal surface elevation ranges from 3307 feet to 3326 feet msl, which reflects the slope of the runway.

Conical Surface. The imaginary surface which extends outward and upward from the edge of the horizontal surface at a 20H:1V slope for a horizontal distance of 4,000 feet. The conical surface at the Safford Airport was estimated using the lowest known runway elevation (3157 feet msl) and the highest known runway elevation (3176 feet msl). Proportioning was used to calculate points in between. The conical surface elevation on the north side of the Safford Airport ranges from 3307 feet msl to 3326 feet msl at the edge of the Horizontal Surface to 3507 feet msl to 3526 feet msl of the outer edge of the Conical Surface.

Approach Surface. An imaginary plane centered on the runway centerline that extends upwards and outwards for a horizontal distance of 5,000 feet and at a slope of 20H:1V from the end of the primary surface. The Safford Airport approach surface's inner edge is the width of its primary surface, 250 feet at Safford Airport, and expands uniformly to a width of 1,500 feet for non-utility, visual runways. The approach surface is 5,000 feet long. The approach surface starts at the elevation of the primary surface and extends to an elevation up to 3,426 ft msl.

Transitional Surface. The imaginary plane that extends outward and upward at a right angle from the runway's centerline with a slope of 7H:1V from the sides of the primary surface and the sides of the approach surfaces. The Transitional Surface projects to a horizontal distance of 5,000 feet from a right angle of the runway centerline and the edge of the approach surface. The minimal transitional surface is 3,325 ft msl and the maximum elevation is 3,890 ft msl.

Scale



DOS POBRES/SAN JUAN PROJECT EIS

Graham County, Arizona T.5S.R.26E. T.6S.R.26E.

CIVIL AIRPORT IMAGINARY SURFACE DEFINITIONS FOR THE SAFFORD AIRPORT

FIGURE 3-18