

Layer Name: HDOT Airports – Airspace 10 Foot Contours File  
Name: HDOTA\_AirportAirspaceContours  
Layer Type: Line  
Status: Complete  
Geog. Extent: DOT Airports in the Main Hawaiian Islands  
Projection: Universal Transverse Mercator, Zone 4 (Meters)  
Datum: NAD 83 HARN  
Description: 10 Foot Contours representing the elevation in the area around the State DOT Airports in the main Hawaiian Islands.  
Source: Hawaii State Department of Transportation, Airports Division, via their consultant, Ricondo, May 2024. Hawaii DOT-Airports consultant Ricondo & Associates used geoprocessing tools to derive the 10-foot contours from Title 14 Code of Federal Regulations (CFR) Part 77 Surfaces, which were also developed by Ricondo and Associates for DOT-Airports. The layer was created for use with the FAR FAA Part 77 Airspace Application developed by Ricondo for DOT Airports.

**Attributes:** **Lines:**  
Contour Elevation in Feet from Mean Sea Level

**Notes:** The DOT-Airports is providing the 14 CFR Part 77 Surfaces (often referred to as “Part 77 Surfaces”) for all its airports in GIS raster format for information and planning purposes only. This data is intended to assist the public in understanding Part 77 surfaces and engaging early in proposals against Federal Aviation Administration (FAA) regulations and local land use ordinances, if applicable.

In administering 14 CFR Part 77, the prime objectives of the FAA are to promote air safety and efficient use of navigable airspace. To accomplish this mission, aeronautical studies are conducted based on information provided by proponents on a [FAA Form 7460-1, Notice of Proposed Construction or Alteration](#). The requirements for filing with the FAA for proposed construction or alteration of existing structures vary based on several factors such as height, proximity to an airport, location, and frequencies emitted from the structure, etc. For more details, please refer to [14 CFR Part 77.9](#).

The airspace contours are given in feet above mean sea level at a given point. The Part 77 Surfaces may vary significantly throughout a proposed project site boundary. Therefore, a thorough evaluation of the Part 77 Surfaces over the entire project site should be conducted to ensure all proposed buildings/structures are within allowable height limits. The ground elevation at a proposed site must be determined and subtracted from the airspace contour value to determine the maximum height of a building/structure at a given point at ground level.

**Regardless if the proposed construction or alteration of existing structure is below the Part 77 Surfaces, developers are still required to file a FAA Form 7460-1 to obtain FAA’s official determination at the HDOT and/or FAA’s request. A copy of FAA’s determination letter should be forwarded to the HDOT Airports Planning Section.**

Contact: Hawaii Statewide GIS Program  
Office of Planning, State of Hawaii Phone:  
(808) 587-2846  
Email: [gis@hawaii.gov](mailto:gis@hawaii.gov)

Or:

Traci Lum, Planner  
Hawaii State Department of Transportation, Airports Division  
Email: [traci.h.lum@hawaii.gov](mailto:traci.h.lum@hawaii.gov) Phone: 808-838-8097