



PLANNING

Request For Proposal

The City of New Braunfels is part of the Texas Hill Country. Founded in 1845 by German settlers, New Braunfels is known for its old world heritage and small town Texas charm. An impressive feat considering the population has grown to 57,740 per the 2010 Census and the long list of attractions in the City of New Braunfels includes places such as the cool waters of the Guadalupe and Comal Rivers, Gruene Historic District, Downtown New Braunfels and Schlitterbahn.

As the City continues to grow and prosper the City Council of the City of New Braunfels adopted an updated Business Plan intended to improve the Airport's financial performance, economic development, and operation. The Business Plan included recommendations to improve development standards whose purpose are to protect property and occupants of land in the vicinity from airport hazards.

A key issue identified in the Business Plan was Land Use Protection. The Airport needs to be better protected from adjacent incompatible development that may occur due to the lack of zoning controls in Texas counties. Texas Local Government section 241.012 provides the City the ability to create such regulations. The City is currently in the process of creating and adopting these standards, Airport High Hazard Zoning District, as they relate to the restricted airspace zones as defined by the Federal Aviation Regulations Part 77 (FAR 77) Objects Affecting Navigable Airspace.

The City of New Braunfels would like to collaborate with the Texas State undergraduate GIS students as part of a Capstone Project to create a three-dimensional model illustrating the restricted airspace zones. The 3D model will:

1. Show the individual restricted airspace zones;
2. Illustrate the relationship between the existing contours and the invisible planes created by the zones; and,
3. Provide a tool to provide the distance in feet between the terrain's contour and the elevation of the restricted airspace plane.
4. The 3D model of these zones will utilize the Esri ArcGIS software stack to maintain compatibility with the City's existing GIS system and web application on the City of New Braunfels' website.

***New Braunfels Municipal Airport
Business Plan***



Prepared for:
City of New Braunfels

Prepared by:
R.A. Wiedemann & Associates, Inc. KSA ENERGY

Figure 3. The combined surfaces show exaggerated on the left and non-exaggerated on the right.



TIMELINE: Specific expectations regarding a project timeline for the receipt of proposals, status updates, student team presentations, and final deliverables, will be set forth by the professor for the class in the syllabus. The City expects the agreed upon academic timeline communicated promptly to city staff once established.

POINT OF CONTACT: The City of New Braunfels Planning and Community Development Department shall be the primary entity within the City for which the projects are completed. However, it is expected that the projects when completed, will be communicated with other City departments and elected officials. We look forward to working with you on this very important project. Staff contacts will be as follows:

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