

City of New Braunfels, Texas Road Closures Application

The City of New Braunfels, TX is uniquely situated at the confluence of two rivers, the Guadalupe, and Comal, presenting a major flooding threat to the city and its citizens when substantial rainfall occurs. In addition to preparing and mitigating residential loss, the city must identify low-water crossings to inform and protect the public when the rivers reach critical height. To eliminate deaths resulting from vehicles being swept away by flood waters, they needed a technology to communicate to the public in a timely and efficient manner about dangerous areas to avoid.

With an enterprise GIS already in place, GISinc worked with the city's GIS team to deploy Esri's ArcGIS Road Closures Application, which enabled them to use their own authoritative data, easily update the status of each road crossing, and enabled citizens to access from multiple devices.

The success of the application and lessons learned from the deployment led the team to begin work on a lightweight web application that directly tied into the city's GIS data and worked across any mobile device the field crew was using.

Crews could quickly log in, identify their areas via a simpledynamic search, and update the status of the area.



The revisions immediately updated the visual representation of what the citizen was seeing using the Road Closures Application.

Because of the previous work the city had done with their GIS, we were able to easily and effectively embrace the ArcGIS Road Closures Application. Their investment enables the city to continually look for ways to integrate and utilize this enterprise geospatial content in impactful ways to address real business needs throughout the organization. This also affords them the flexibility and agility they demand when responding to emergency events, now and in the future.



This application informs citizens to circumvent closed areas, with the goal to encourage the public to seek alternate routes avoiding areas where environmental circumstances could be potentially fatal.











ArcGIS for Local Government Specialty

