

Hydrodesign Proposal: By Project team #1

We're interested in doing a project that involves working on a bridge that is located at the intersection of Walsh Dr. and Brushy Creek. Our objective is to investigate how the bridge operates and further reduce potential flood damage.



The neighborhood depends on low water crossing on Walsh Dr. daily, therefore it should not be removed. We believe that the bridge can be modified in a way that the water does not accumulate, instead flows effectively. This would prevent diverting water onto neighbor's property. We also want to remind the County that in 2010 there was flooding along Brushy Bend Drive which swamped brushy creek park causing the water to rise and the playground to be under feet of floodwater (Bartlett 2010).

In order further our investigation, we needed data for Brushy Creek with adequate elevation from HEC-RAS, a Hydrologic Modeling System. We also need floodplain maps which will help us see more clearly the potential damage of the flood on the community.

Reference:

Bartlett, Martin (September 8, 2010) "Brushy Creek floods homes, park in Williamson County". KVUE News. <<http://www.kvue.com>>. Accessed March 19, 2014.