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The Bridge

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Abstract
Rock Hill is expanding. Long term projections for growth in and around the City of Charlotte means that people will continue to move to the City of Rock Hill. Recently the Carolina Panthers announced the purchase of 200 acres for development of a practice facility, restaurants, hotels, office space, and residential expansion. Rock Hill has hosted national competitions in numerous sports and has recently hosted a world competition in biking. Infrastructure must be improved to help support a growing population and increased visitation. This project focuses on the location of a new bridge crossing over the Catawba river between the 21 bypass bridge and the highway 5 bridge which would help connect the Indian Land, Weddington, Waxhaw, and Monroe areas to Rock Hill. This bridge would promote visitation to the soon to be 1,900 acre destiny park that will be constructed at the end of Neely store road. It also has the potential to increase Rock Hill’s economic interest by allowing easier access to Destiny park, the Panthers practice facility, and Rock Hill shopping areas. Using geographic information systems and public data I investigated a potential bridge site to identify sensitive habitats, parcel ownership, and accessibility.

Note: In images A, B, and C there are two yellow highlighted roads. The road on the left side of each map is Dave Lyle Boulevard and the road on the right side of each image is Charlotte highway (US 521). The bridge would seek to connect these two roads.