

Project Proposal-Permeable Pavement

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Permeable pavement is a pavement system that allows for movement of stormwater from the street surface to the base of the road. We propose replacing a segment of paved parking along San Jacinto Blvd. with permeable interlocking concrete pavers. Due to the fact that stormwater does not directly run off the street surface, this type of pavement reduces runoff volumes, promotes higher infiltration rates, and reduces contaminant levels. Creating a permeable pavement system will allow for infiltration of the “first flush” runoff, keeping the most



contaminated stormwater out of Waller Creek. Reducing pollution in Waller Creek should be a priority for the university since the creek is on the EPA’s 303(d) list of impaired waters. UT’s use of permeable pavement would put it at the forefront of innovation in environmental protection, while improving the general appearance of roads on campus. Utilizing HEC-HMS, ArcGIS, and Permeable Design Pro, we plan to evaluate existing and post conditions of water flow on a segment of San Jacinto Blvd.

