analysis description:

Labeled here are 5 locations researched for the bridge to cross. Ultimately, location #4 was chosen because it was the most direct path to the existing maintenance shed on the golf course and to the club house. Plus, crossing here would create the least disruption on the course. Also, it is one of the only places where the elevation was relatively high on both sides; therefore the bridge would not have to be so large. Location #1 was ruled out because it ended up being too close to the property line and too far away from the club house. Location #2 and #3 were ruled out because they would disrupt the course too much and the elevation was so low the bridge would be massive. Location #5 was ruled out simply because in order to get to the club house one would have to cross three fairways and it was too far from the club house as well.

concept description:

The intent of this bridge is to connect the campus with the golf course for pedestrian and maintenance purposes. This access point will create a safe four-way stop, slow traffic on Perimeter Road and defines the bridge entrance. This access point is also in close proximity to the existing maintenance shed, the Oaks dormitories, the library and a large parking lot. To meet a 22’ clearance minimum above the railroad tracks, the access road is proposed to be 400’ long at a 4% gradient. On the golf course side, a tunnel under the road is proposed to maintain current cart route. Once on the golf course side, the road width is reduced from 24’ to 18’ with the walking path remaining the same.