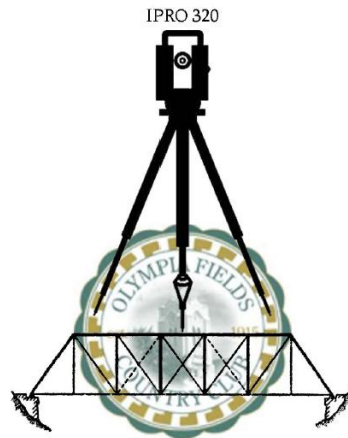


Ethics Deliverable

IPRO 320



Cottage and Area Physical Modeling for Enhancing a Classic Country Club

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INTRODUCTION

The tasks assigned to the IPRO 320 team were to model the 26 cottages at the Olympia Fields Country Club and design a bridge to replace an old bridge that currently exists on site. Given the opportunity to carry out an inventory of privately owned property and review engineering data in order to design the bridge, IPRO 320 encountered two main ethical issues during the course of the semester.

1. Ethical Issues Encountered

1.1 Privacy of Cottage Owners

- All photographs and measurements of the cottages were taken with permission from the Olympia Fields Country Club in order to effectively create Architectural drawings of the 26 cottages as per their request. Hence no privacy was invaded.
- While taking photographs of houses in extreme wintry conditions, it was ensured that the physical environment around the house was not altered.
- Photographs taken of the cottages would not be released for public use but would be used for the sole purpose of meeting the client's needs. The photographs are accurate and comprehensive of the representation of the houses and have not been influenced in any way.

1.2 Engineering Data

- All pertinent and relevant data obtained in a professional capacity from Robinson Engineering (a professionally recognized organization who had previously surveyed the site) to assist us in our project was treated as honest and accurate and thus objectively implemented in our calculations for the bridge design. The data was treated with a level of confidentiality guarding the privacy of the Country Club.
- All engineering hydraulic data provided by Robinson Engineering was interpreted in compliance with the IDOT Code under the guidance of IIT faculty. Any queries or clarifications regarding the data were directed directly to Robinson Engineering in order to fulfill our obligation of confidentiality.
- As several aspects of engineering code review during the bridge design required a higher level of expertise and in order to comply with the most

recent IDOT standards, the capstone team sought assistance from Collins Engineering in reviewing the IDOT Code, always respecting the privacy of the Country Club's data.

- All proprietary information received from the clients and other external organizations will be kept confidential even after the completion of the project.

CONCLUSION

While privacy and confidentiality remained the two primary ethical issues encountered by the IPRO 320 Team, the team members always maintained professionalism and demonstrated honesty and integrity while dealing with the Olympia Fields Country Club and other external organizations.