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I

TRAVERSE AND TRIANGULATION USING
A COMPUTER PROGRAM

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Project Report Submitted by

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1950

SUMMARY

The objectives of the project was to developed a computer program for traverse and triangulation, present different methods used in traverse and triangulation, and final, check the program with a number of examples.

The project is divided into three parts. Part one, is the introductory, this contains the acknowledgement, contents and the summary. Part two, is the main part of the project, it contains the various chapters. Chapter one is the introduction to land survey. Chapter two discusses the help of computers today. Chapter three lists the various parts of QUICKBASIC (QBasic). Chapter four presents the theory of traverse and the different method of calculating the traverse. Chapter five presents the theory of triangulation and the method of calculating the triangulation. Chapter six and seven is a kind of a manual of Traverse and Triangulation respectively. It presents how the program was developed, the assumptions that were made and the points that need to be emphasized. Chapter eight and nine are examples on the two programs, those examples covered the most cases of a traverse and triangulation. In Chapter ten, last one of part two, discusses the results of the examples.

Part three is the appendix. Appendix A gives the various forms that must be filed in before inputting the data into the computer for the calculations. Appendix B and C are the listings of the Traverse and Triangulation respectively. Appendix D lists the QBasic's statements and Functions. Appendix E References for the project.

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