

**IMPROVEMENT OF CONSTRUCTABILITY GUIDELINES FOR DESIGN
PHASE IN HIGHWAY PROJECT**



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CHAPTER 1

INTRODUCTION

1.1 Introduction

Government and private agencies that carried out highway construction project are facing the reality that the public will no longer tolerate construction projects that are insensitive to road users and adjacent communities. According to Russell *et al.* (1993), highway construction projects are characterized by traffic problems, changes of design, poor planning, disputes, cost overruns, poor safety practices and time delays. Constructability is seen as one of the best solutions to these problems where it has demonstrated the potential to minimize the number and magnitude of changes, disputes, cost overruns, and delays during construction.

Constructability has been defined in a number of ways. Constructability is described as the optimum use of construction knowledge and experience in planning, design, procurement, and field operations to achieve overall project objectives