

Table of Contents

Page No.

202.03.07 Visual/Aesthetic	200-11
202.03.08 Hazardous Materials	200-11
202.04 ENVIRONMENTAL CHECKLIST	200-12
203 TECHNICAL INVESTIGATIONS	200-12
203.01 INTRODUCTION	200-12
203.02 GEOTECHNICAL ENGINEERING	200-12
203.03 TRAFFIC COUNTS	200-12
203.03.01 Introduction	200-12
203.03.02 Traffic Projections	200-13
203.03.03 Procedures for Traffic Volumes	200-14
203.04 SURVEY CONTROL/FIELD SURVEYS	200-14
203.04.01 Introduction	200-14
203.04.02 Horizontal Control	200-14
203.04.03 Vertical Control	200-14
203.04.04 Coordinate System	200-14
203.04.05 Field Surveys	200-14
203.5 DRAINAGE SURVEYS	200-15

SECTION 300: DESIGN CONCEPT REPORT

301 CONTENTS	300-1
301.01 FORMAT	300-1
302 EXECUTIVE SUMMARY	300-3
303 INTRODUCTION	300-3
304 TRAFFIC ANALYSIS	300-3
305 DESCRIPTION OF ALTERNATIVES	300-3
306 DESIGN DATA	300-4
307 TYPICAL SECTIONS	300-4
308 GEOMETRICS	300-4
309 INTERCHANGE/ INTERSECTION CONFIGURATION	300-5
310 PARKING STUDY	300-5
311 HYDROLOGY AND HYDRAULICS	300-5
311.01 PURPOSE	300-6
311.02 PLANNING & PREPARATION OF THE DRAINAGE DESIGN CONCEPTS	300-6
311.02.01 Problem Categories	300-7
311.02.02 Flood Plain Encroachment and Risk Evaluation	300-9
311.02.03 Data Collection	300-10
311.03 STORM WATER HYDROLOGY	300-14
311.04 OPEN CHANNEL HYDRAULICS	300-15
311.05 BRIDGE HYDRAULICS	300-16
311.05.01 Bridge Location and Hydraulics Report	300-16
311.05.02 Bridge Hydraulics Recommendations Sheet (BHRS)	300-19
311.06 STORMWATER MANAGEMENT USING RETENTION/DETENTION DESIGN	300-20
312 SUBSURFACE INVESTIGATIONS	300-21
313 BRIDGE TYPE SELECTION	300-21
313.01 BRIDGES OVER WATERWAYS	300-22
313.02 WIDENINGS/REHABILITATION	300-22
313.03 BRIDGE SELECTION REPORT	300-22
314 UTILITY IMPACT ANALYSIS	300-23
315 SOCIOECONOMIC ANALYSIS	300-23
316 AGRICULTURE IMPACT	300-23
317 PUBLIC FEEDBACK	300-24
318 SIGNING AND PAVEMENT MARKINGS	300-24
319 LIGHTING CONCEPTS	300-24
320 CONSTRUCTION STAGING	300-24
321 COST ESTIMATE	300-25
322 CONCLUSIONS/RECOMMENDATIONS	300-25