

## TABLE OF CONTENTS

### CHAPTER 1.0 – PURPOSE AND NEED

1.1	Introduction .....	1-1
1.2	Purpose and Need .....	1-2
1.3	Scope .....	1-3
1.4	Documentation .....	1-4

### CHAPTER 2.0 – ENVIRONMENTAL INVENTORY

2.1	Introduction .....	2-1
2.2	General Setting .....	2-1
2.3	Zoning and Land Use .....	2-2
2.4	Topography and Geology .....	2-6
2.5	Surface Water Resources .....	2-6
2.6	Stormwater Drainage .....	2-7
2.7	Groundwater Resources .....	2-9
2.8	Wetlands .....	2-9
2.9	Floodplains .....	2-12
2.10	Biotic Communities .....	2-14
2.11	Parks and Open Space .....	2-14
2.12	Historic, Cultural, and Archaeological Resources .....	2-14
2.13	Air Quality .....	2-15
2.14	Hazardous Materials and Petroleum Products .....	2-16
2.15	Environmental Permitting .....	2-18
2.16	Wild and Scenic Rivers .....	2-18
2.17	Coastal Zone Management .....	2-18
2.18	Coastal Barriers .....	2-19
2.19	Farmland .....	2-19
2.20	Energy Supply and Natural Resources .....	2-21
2.21	Light Emissions .....	2-21
2.22	Solid Waste .....	2-21
2.23	Public Lands .....	2-21

### CHAPTER 3.0 – ALTERNATIVES ANALYSIS

3.1	Introduction .....	3-1
3.2	No Action Alternative .....	3-1
3.3	Airport Improvement Alternatives .....	3-1
3.4	Summary of Alternatives .....	3-1

**CHAPTER 4.0 – ENVIRONMENTAL CONSEQUENCES**

4.1	Noise Impacts .....	4-2
4.2	Compatible Land Use .....	4-3
4.3	Social Impacts .....	4-4
4.4	Induced Socioeconomic Impacts .....	4-5
4.5	Air Quality .....	4-5
4.6	Historic, Architectural, Archaeological, and Cultural Resources .....	4-6
4.7	Water Quality .....	4-8
4.8	Department of Transportation Act, Section 4(f)/6(f) Lands .....	4-11
4.9	Biotic Communities .....	4-11
4.10	Threatened or Endangered Species of Flora and Fauna .....	4-12
4.11	Wetlands.....	4-13
4.12	Floodplains .....	4-14
4.13	Coastal Zone Management .....	4-15
4.14	Coastal Barriers .....	4-16
4.15	Wild and Scenic Rivers .....	4-16
4.16	Farmland .....	4-17
4.17	Energy Supply and Natural Resources .....	4-18
4.18	Light Emissions.....	4-18
4.19	Solid Waste Impacts .....	4-19
4.20	Construction .....	4-19
4.21	Cumulative Impacts .....	4-20

**CHAPTER 5.0 – MITIGATION MEASURES MATRIX**

**CHAPTER 6.0 – PREPARERS**

**CHAPTER 7.0 – BIBLIOGRAPHY**

## TABLE OF APPENDICES

APPENDIX A – AIRPORT ADVISORY COMMITTEE MEMBERS, MEETING MINUTES, AGENDAS, AND SIGN-IN SHEETS

APPENDIX B – PUBLIC ADVERTISEMENTS AND ARTICLES, PUBLIC INFORMATION MEETING PRESENTATIONS, SIGN-IN SHEETS, AND COMMENTS

APPENDIX C – AGENCY COORDINATION

APPENDIX D – DRAINAGE EVALUATION STUDY

APPENDIX E – SOUND EVALUATION STUDY

APPENDIX F – PHASE I ARCHAEOLOGY SURVEY

## TABLE OF FIGURES

### FIGURE NO.

2.1	Airport Location Map.....	2-4
2.2	Zoning Map.....	2-5
2.3	Site Drainage Plan.....	2-8
2.4	Wetlands.....	2-11
2.5	Floodplains .....	2-13
2.6	Farmland .....	2-20
3.1	Apron Alternatives .....	3-6
3.2	T-hangar Development Alternatives .....	3-7
3.3	Parallel Taxiway Construction Alternatives.....	3-8
3.4	Rehabilitation of Runway 16-34 and Intersection.....	3-9
4.1	Wetlands Location Map .....	4-21
4.2	Middletown Watershed Protection District, Zone 1 .....	4-22
4.3	Farmland Protection Policy Act Soils .....	4-23
5.1	Mitigation Measures Matrix .....	6-8