



MELBOURNE INTERNATIONAL AIRPORT AIRPORT MASTER PLAN UPDATE

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
1.0 ISSUES AND EXISTING CONDITIONS	1-1
1.1 <u>INTRODUCTION</u>	1-1
1.2 <u>ISSUES AND GOALS</u>	1-3
1.3 <u>EXISTING CONDITIONS</u>	1-5
1.3.1 <u>Airport Location and Background</u>	1-6
1.3.2 <u>Airport Service Area (ASA)</u>	1-9
1.3.3 <u>Airport Role, Category and Classification</u>	1-12
1.3.4 <u>Previous Studies</u>	1-12
1.3.5 <u>Surrounding Land Use</u>	1-15
1.3.6 <u>Surface Transportation</u>	1-16
1.3.7 <u>Surrounding Airports</u>	1-16
1.3.8 <u>Airspace</u>	1-20
1.3.9 <u>Airside Characteristics</u>	1-24
1.3.10 <u>Landside Characteristics</u>	1-27
1.3.11 <u>Port of Canaveral</u>	1-31
1.3.12 <u>Climatology</u>	1-31
1.3.13 <u>Economic Impact Updates</u>	1-33
2.0 AVIATION DEMAND FORECASTS	2-1
2.1 <u>INTRODUCTION</u>	2-1
2.2 <u>HISTORICAL ACTIVITY REVIEW</u>	2-2



2.2.1	<u>Airlines Serving the Airport</u>	2-2
2.2.2	<u>Annual Enplaned Passengers</u>	2-3
2.2.3	<u>Annual Aircraft Operations</u>	2-5
2.2.4	<u>Top Origin & Destination Markets</u>	2-7
2.2.5	<u>Total Air Cargo</u>	2-9
2.3	<u>FACTORS AFFECTING FUTURE AVATION DEMAND</u>	2-11
2.3.1	<u>Impact of September 11,2001</u>	2-11
2.3.2	<u>National Economic Conditions</u>	2-12
2.3.3	<u>Local Socioeconomic Conditions</u>	2-12
2.3.4	<u>Air Fares</u>	2-15
2.3.5	<u>Airline Competition</u>	2-15
2.3.6	<u>Summary</u>	2-16
2.4	<u>FORECAST OF ANNUAL ENPLANED PASSENGERS</u>	2-16
2.4.1	<u>Trend Analysis Projections</u>	2-17
2.4.2	<u>Regression Analysis</u>	2-20
2.4.3	<u>Market Share Analysis</u>	2-21
2.4.4	<u>Selection of a Preferred Annual Enplanement Forecast</u>	2-23
2.5	<u>FORECASTS OF ANNUAL AIRCRAFT OPERATIONS</u>	2-26
2.5.1	<u>Annual Commercial Service Operations Forecast</u>	2-27
2.5.2	<u>Annual General Aviation Operations Forecast</u>	2-31
2.5.3	<u>Annual Military Operations Forecast</u>	2-31
2.5.4	<u>Itinerant and Local Operations</u>	2-33
2.6	<u>FORECASTS OF ENPLANED CARGO</u>	2-36
2.7	<u>BASED AIRCRAFT</u>	2-38
2.8	<u>ANNUAL INSTRUMENT APPROACHES</u>	2-40



2.9	<u>DESIGN DAY/DESIGN HOUR ACTIVITY FORECASTS</u>	2-42
2.10	<u>COMPARISON WITH OTHER FORECAST EFFORTS</u>	2-47
2.11	<u>SUMMARY OF FORECASTS</u>	2-53
3.0	DEMAND/CAPACITY & FACILITY REQUIREMENTS	3-1
3.1	<u>AIRSPACE</u>	3-1
3.1.1	<u>Surrounding Airspace</u>	3-1
3.1.2	<u>Air Traffic Control Services and Facilities</u>	3-2
3.1.2.1	<u>Melbourne International Airport ATCT</u>	3-3
3.1.2.2	<u>Daytona Beach and Orlando TRACON</u>	3-3
3.1.2.3	<u>Miami ARTCC</u>	3-4
3.1.3	<u>Obstructions To Navigable Airspace</u>	3-5
3.1.4	<u>Radio Navigational Aids (NAVAIDS) and Landing Aids</u>	3-7
3.2	<u>AIRFIELD FACILITIES</u>	3-11
3.2.1	<u>Airport Reference Code and Design Aircraft</u>	3-11
3.2.1.1	<u>Runway 9R/27L Design Aircraft and ARC</u>	3-12
3.2.1.2	<u>Runway 9L/27R Design Aircraft and ARC</u>	3-18
3.2.1.3	<u>Runway 5/23 Design Aircraft and ARC</u>	3-19
3.2.2	<u>Airfield Capacity</u>	3-19
3.2.2.1	<u>Annual Aircraft Delay</u>	3-23
3.2.2.2	<u>Capacity Enhancements</u>	3-25
3.2.3	<u>Runway Requirements</u>	3-27
3.2.3.1	<u>Runway Designation</u>	3-27
3.2.3.2	<u>Runway Length</u>	3-29
3.2.3.3	<u>Runway Width</u>	3-34
3.2.3.4	<u>Runway Protection Zones</u>	3-35



3.2.3.5	<u>Runway Safety Area Requirements</u>	3-36
3.2.3.6	<u>Runway Object Free Area Requirements</u>	3-37
3.2.3.7	<u>Runway Orientation</u>	3-38
3.2.4	<u>Taxiway Requirements</u>	3-42
3.2.4.1	<u>Runway 9R/27L Taxiways</u>	3-42
3.2.4.2	<u>Runway 9L/27R Taxiways</u>	3-43
3.2.4.3	<u>Runway 5/23 Taxiways</u>	3-44
3.2.4.4	<u>New Taxiways</u>	3-45
3.2.5	<u>Pavement Strength</u>	3-45
3.2.6	<u>Pavement Conditions</u>	3-47
3.3	<u>DOMESTIC AIR CARRIER & TERMINAL FACILITIES</u>	3-49
3.3.1	<u>Terminal Capacity and Facility Requirements</u>	3-49
3.3.1.1	<u>Terminal Requirements</u>	3-50
3.3.1.2	<u>Airline Gates</u>	3-50
3.3.1.3	<u>Airline Space</u>	3-52
3.3.1.4	<u>Public Space</u>	3-52
3.3.1.5	<u>Concessions</u>	3-52
3.3.1.6	<u>Airport Management</u>	3-53
3.3.1.7	<u>Enplaning and Deplaning Curb</u>	3-53
3.3.1.8	<u>Auto Parking</u>	3-54
3.4	<u>INTERNATIONAL TERMINAL FACILITIES</u>	3-57
3.4.1	<u>Existing International Terminal Facilities</u>	3-58
3.4.2	<u>Projected International Terminal Facility Demand</u>	3-64
3.4.2.1	<u>International Passenger Arrival and Departure Distribution</u>	3-65
3.4.2.2	<u>International Arrival and Departure Peak Hour Demand</u>	3-67
3.4.3	<u>International Arrival Facility Requirements</u>	3-71



3.4.4	<u>International Departure Facilities</u>	3-75
3.4.4.1	<u>International Aircraft Apron and Gates</u>	3-75
3.4.4.2	<u>International Passenger Departure Lounges</u>	3-78
3.4.4.3	<u>International Departure Concessions</u>	3-80
3.4.5	<u>International Terminal Parking Facilities</u>	3-81
3.4.6	<u>Summary of International Terminal Requirements</u>	3-82
3.5	<u>GENERAL AVIATION DEMAND/CAPACITY AND FACILITY REQUIREMENTS</u>	3-83
3.5.1	<u>Aircraft Aprons and Tie-downs</u>	3-84
3.5.1.1	<u>Fixed Base Operators</u>	3-84
3.5.1.2	<u>Itinerant Apron Parking Requirements</u>	3-87
3.5.1.3	<u>Local Parking Apron/Tie-down Requirements</u>	3-89
3.5.2	<u>Aircraft Hangars</u>	3-90
3.5.3	<u>Fuel Storage</u>	3-92
3.6	<u>CARGO FACILITIES</u>	3-93
3.7	<u>AIRCRAFT RESCUE AND FIREFIGHTING (ARFF) FACILITY</u>	3-95
3.7.1	<u>ARFF Index Group</u>	3-97
3.7.2	<u>ARFF Location</u>	3-101
3.7.3	<u>ARFF Facilities</u>	3-103
3.2.4	<u>ARFF Personnel and Equipment</u>	3-104
3.8	<u>SURFACE ACCESS</u>	3-105
3.8.1	<u>Brevard 2020 Travel Demand Model</u>	3-106
3.8.2	<u>ITE Trip Generation Manual Calculations</u>	3-109
3.9	<u>RAIL ACCESS</u>	3-111



3.10	<u>HOTEL/CONFERENCE CENTER</u>	3-112
3.11	<u>STRATEGIC PLANNING ACTIVITY LEVEL (SPAL) FACILITY REQUIREMENTS</u>	3-112
4.0	IDENTIFICATION & EVALUATION OF ALTERNATIVES	4-1
4.1	<u>AIRFIELD</u>	4-1
4.1.1	<u>Runways</u>	4-1
4.1.2	<u>Taxiways</u>	4-10
4.2	<u>LANDSIDE</u>	4-16
4.2.1	<u>Terminal Area</u>	4-16
4.2.1.1	<u>International Terminal Facilities</u>	4-18
4.2.1.2	<u>Domestic Terminal Facilities</u>	4-26
4.2.2	<u>Parking Facilities</u>	4-28
4.2.3	<u>Rental Car Facilities</u>	4-32
4.2.4	<u>Hotel/Conference Center</u>	4-32
4.2.5	<u>General Aviation</u>	4-32
4.2.6	<u>Cargo</u>	4-36
4.2.7	<u>Support Facilities</u>	4-41
4.3	<u>SURFACE ACCESS</u>	4-41
4.4	<u>LAND USE/LAND ACQUISITION</u>	4-41
5.0	ENVIRONMENTAL OVERVIEW	5-1
5.1	<u>INTRODUCTION</u>	5-1
5.2	<u>FEDERAL ENVIRONMENTAL REQUIREMENTS</u>	5-1
5.2.1	<u>Categorical Exclusions</u>	5-2
5.2.2	<u>Environmental Assessment</u>	5-3
5.2.3	<u>Environmental Impacts Statement</u>	5-4



5.2.4	<u>Federal, State, Regional and Local Environment Coordination</u>	5-4
5.3	<u>AIRPORT MASTER PLAN ENVIRONMENTAL OVERVIEW</u>	5-5
5.3.1	<u>Noise Impacts</u>	5-7
5.3.1.1	<u>Summary of the 1993 Noise Compatibility Study</u>	5-10
5.3.1.2	<u>Noise Exposure Map Update</u>	5-12
5.3.2	<u>Compatible Land Use</u>	5-16
5.3.2.1	<u>Land Use Regulations</u>	5-17
5.3.3	<u>Social Impacts</u>	5-23
5.3.4	<u>Induced Socio-Economic Impacts</u>	5-23
5.3.5	<u>Air Quality</u>	5-24
5.3.6	<u>Water Quality</u>	5-24
5.3.7	<u>Department of Transportation Act, Section 4(f)</u>	5-38
5.3.8	<u>Historical, Architectural, Archaeological, and Cultural Resources</u>	5-38
5.3.9	<u>Biotic Communities</u>	5-39
5.3.10	<u>Endangered and Threatened Species of Flora and Fauna</u>	5-42
5.3.11	<u>Wetlands</u>	5-45
5.3.12	<u>Floodplains</u>	5-48
5.3.13	<u>Coastal Zone Management</u>	5-48
5.3.14	<u>Coastal Barriers</u>	5-49
5.3.15	<u>Wild and Scenic Rivers</u>	5-49
5.3.16	<u>Farmland</u>	5-49
5.3.17	<u>Energy Supply and Natural Resources</u>	5-50
5.3.18	<u>Light Emissions</u>	5-50
5.3.19	<u>Solid Waste Impact</u>	5-51
5.3.20	<u>Construction Impacts</u>	5-51
5.3.21	<u>Other Considerations</u>	5-52



5.4	<u>GEOGRAPHIC PLANNING AREAS</u>	5-53
5.4.1	<u>Planning Area 1</u>	5-53
5.4.2	<u>Planning Area 2</u>	5-57
5.4.3	<u>Planning Area 3</u>	5-57
5.4.4	<u>Planning Area 4</u>	5-62
5.4.5	<u>Planning Area 5</u>	5-62
5.4.6	<u>Planning Area 6</u>	5-62
5.4.7	<u>Planning Area 7</u>	5-62
5.4.8	<u>Planning Area 8</u>	5-71
5.5	<u>ENVIRONMENTAL OVERVIEW SUMMARY</u>	5-71
6.0	AIRPORT PLANS	6-1
6.1	<u>INTRODUCTION</u>	6-1
6.1.1	<u>Airport Layout Plan Checklist and Airport Layout Plan Summary</u>	6-2
6.2	<u>COVER SHEET-Sheet 1 of 14</u>	6-2
6.3	<u>AIRPORT LAYOUT PLAN -Sheet 2 of 14</u>	6-2
6.4	<u>FACILITIES LAYOUT – Sheet 3 of 14</u>	6-3
6.5	<u>TERMINAL AREA PLAN– Sheet 4 of 14</u>	6-3
6.6	<u>FAR PART 77 AIRSPACE SURFACES– Sheet 5 of 14</u>	6-3
6.7	<u>INNER PORTION OF APPROACH SURFACE– RUNWAY 9R – SHEET 6 of 14</u>	6-4
6.8	<u>INNER PORTION OF APPROACH SURFACE– RUNWAY 27L – SHEET 7 of 14</u>	6-4
6.9	<u>INNER PORTION OF APPROACH SURFACE– RUNWAY 9L – SHEET 8 of 14</u>	6-4



6.10 INNER PORTION OF APPROACH SURFACE– RUNWAY 27R – SHEET 9 of 14.....6-4

6.11 INNER PORTION OF APPROACH SURFACE– RUNWAY 5 – SHEET 10 of 14.....6-5

6.12 INNER PORTION OF APPROACH SURFACE– RUNWAY 23 – SHEET 11 of 14.....6-5

6.13 EXISTING ON–AIRPORT LAND USE PLAN - SHEET 12 of 14.....6-5

6.14 FUTURE OFF-AIRPORT LAND USE PLAN AND 2007 NOISE CONTOURS - SHEET 13 of 14.....6-5

6.15 AIRPORT PROPERTY MAP - SHEET 14 of 146-6

7.0 PLAN IMPEMENATION7-1

7.1 INTRODUCTION.....7-1

7.2 AUTHORITY FINANCIAL STRUCTURE7-2

7.3 HISTORICAL FINANCIAL INFORMATION..... 7-3

7.4 CAPITAL IMPROVEMENT PROGRAM7-8

7.5 CIP FUNDING SOURCES 7-13

7.5.1 FAA Funding.....7-13

7.5.2 FDOT Funding7-14

7.5.3 Other Funding Options.....7-15

7.5.4 Third Party Development7-15

7.5.5 Passenger Facility Charge.....7-16

7.5.6 Local Funds7-16

7.5.7 Development Plan Financing Summary7-16

7.6 PROJECTED OPERATING REVENUES 7-18



7.6.1 Airline Revenues..... 7-18

7.6.2 Terminal Revenues..... 7-18

7.6.3 Airfield Revenues..... 7-18

7.6.4 Industrial Air Center 7-19

7.6.5 Trailer Haven 7-19

7.6.6 Foreign Trade Zone 7-19

7.6.7 Other..... 7-19

7.7 PROJECTED OPERATIONS EXPENSES..... 7-22

7.8 PRO-FORMA CASH FLOW ANALYSIS..... 7-22

7.9 SUMMARY/RECOMMENDATIONS 7-27



LIST OF TABLES

<u>Table</u>		<u>Page</u>
1.1	Instrument Approach Summary-Melbourne International Airport.....	1-23
1.2	Airside Characteristics	1-24
1.3	Usable Terminal Building Space	1-30
2.1	Enplanement Projections Using Per Capita Trends	2-18
2.2	Enplanement Projections Using Average Annual Growth Rates	2-19
2.3	Regression Analysis Projection Summary	2-21
2.4	Market Share Methodology	2-22
2.5	General Aviation Operations – Local and Itinerant.....	2-34
2.6	Based Aircraft.....	2-39
2.7	Instrument Approaches.....	2-41
2.8	Design Day/Design Hour Activity Forecasts.....	2-46
2.9	Enplanement Comparison	2-48
2.10	TAF Comparison	2-52
2.11	Forecast Summary	2-54
3.1	NAVAID Facility Requirements.....	3-10
3.2	Aircraft Approach Category and Airplane Design Group	3-12
3.3	Airplane Design Group Aircraft	3-13
3.4	Existing and Projected Fleet Mix.....	3-14
3.5	Existing Runway Utilization.....	3-15
3.6	Projected (2021) Runway Utilization	3-16
3.7	Existing and Projected ARC Requirements.....	3-17
3.8	Demand/Capacity Analysis (2002-2021).....	3-22
3.9	Annual Aircraft Delay	3-25



3.10	MLB Runways Geodetic and Magnetic Azimuth	3-28
3.11	General Recommended Runway Lengths	3-29
3.12	FAA AC 150/5325-4A Runway Length Analysis-B-747-200	3-30
3.13	FAA Airport Design Software Version 4.2D Runway Length Analysis	3-32
3.14	Runway Protection Zone Requirements.....	3-36
3.15	Runway Safety Area Requirements	3-37
3.16	Runway Object Free Area Requirements.....	3-37
3.17	Crosswind Components And Airport Reference Codes.....	3-38
3.18	Taxiway Requirements	3-43
3.19	Melbourne International Airport Pavement Conditions	3-47
3.20	Air Carrier Terminal Facility Requirements	3-51
3.21	Summary of Parking Requirements.....	3-56
3.22	International Terminal Spatial Elements.....	3-58
3.23	Existing International Facilities	3-61
3.24	International Passenger Arrival and Departure Distribution by Time.....	3-66
3.25	Anticipated Peak Hour Demand for International Facilities	3-71
3.26	Airport Federal Inspection Guideline Requirements	3-72
3.27	Projected IT Facility Requirements (2004-2021)	3-73
3.28	MLB International Departure Lounge Requirements (2004-2021)	3-78
3.29	MLB In'l Departure Concession Space Requirements (2004-2021).....	3-81
3.30	Parking Requirements – International Terminal.....	3-82
3.31	Summary of International Terminal Requirements	3-83
3.32	MLB Based Aircraft	3-83
3.33	MLB Itinerant GA Aircraft Apron Parking Requirements (2002-2021).....	3-88
3.34	Local GA Aircraft Tie down/Parking Apron Requirements (2002-2021)	3-89
3.35	Aircraft Storage Facilities	3-91



3.36	Projected GA Aircraft Storage Facilities	3-91
3.37	Projected Fuel Storage Facilities (2002-2021).....	3-93
3.38	Break Down of Leased Air Cargo Space	3-95
3.39	ARFF Index Groups	3-97
3.40	ARFF Index Group Minimum Requirements.....	3-98
3.41	Air Carrier Departure Schedule	3-99
3.42	Projected Average Daily Departure by Index Group.....	3-100
3.43	MLB ARFF Equipment	3-105
3.44	Traffic Generated by TAZ's Based on Brevard Model	3-107
3.45	Future Trip Generation for Airport & Surrounding Land Uses (Built Out)	3-109
3.46	Summary of Projected Airfield Requirements.....	3-113
3.47	Airfield Capacity Summary & SPAL Values.....	3-114
3.48	Domestic Air Carrier Terminal Summary.....	3-115
3.49	Summary of Projected International Facility Requirements	3-116
3.50	Summary of Parking Requirements.....	3-116
3.51	Summary of Projected GA Facilities.....	3-117
5.1	Land Use Compatibility Guidelines w/ Yearly Day-Night Average Sound Levels	5-9
5.2	Total On-Airport and Off-Airport Acreage for the 65,750 & 75 DNL	5-16
7.1	Historical Operating Revenue	7-5
7.2	Historical Operating Expenses	7-6
7.3	Historical Cash Flow	7-7
7.4	Capital Improvement Program-Short Term.....	7-9
7.5	Capital Improvement Program-Intermediate Term	7-10
7.6	Capital Improvement Program-Intermediate Term	7-11
7.7	Capital Improvement Program-Summary	7-17



7.8 Projected Operating Revenue-Short Term7-20

7.9 Projected Operating Revenue-Ultimate Term.....7-21

7.10 Projected Operating Expenses-Short Term.....7-23

7.11 Projected Operating Expenses-Ultimate Term7-24

7.12 Projected Cash Flow-Short Term7-25

7.13 Projected Cash Flow-Ultimate Term.....7-26



LIST OF FIGURES

<u>Figure</u>	<u>Page</u>
1-1 Regional Area Map	1-7
1-2 Vicinity Map	1-8
1-3 Melbourne-Titusville-Palm Bay MSA Location.....	1-10
1-4 Melbourne Int'l Airport's Airport Service Area (ASA).....	1-11
1-5 Regional Highway Network	1-17
1-6 Airport Ground Access	1-18
1-7 Surrounding Airports Map	1-19
1-8 Restricted Areas	1-21
1-9 Airside Facilities	1-25
1-10 Terminal Area	1-28
1-11 Port Canaveral Location.....	1-32
2-1 Airlines Serving the Airport.....	2-3
2-2 Historical Enplanement	2-4
2-3 Historical Operations.....	2-6
2-4 Top 20 O&D Markets	2-8
2-5 Historical Air Cargo	2-10
2-6 Historical & Projected Demographic Growth Rates	2-14
2-7 Comparison of Enplanement Projections	2-26
2-8 Enplanement Per Departure.....	2-28
2-9 Forecast of Commercial Service Operations	2-30
2-10 Forecast of General Aviation and Military Operations.....	2-32
2-11 Forecast of Total Operations.....	2-35
2-12 Forecast of Enplaned Cargo	2-37



2-13	Monthly Distribution of Annual Enplanements	2-43
2-14	Monthly Distribution of Total Operations.....	2-44
2-15	Monthly Distribution of Commercial Operations.....	2-45
2-16	Comparison with Other Forecasts	2-51
3-1	Obstruction Chart.....	3-6
3-2	Existing Runway System.....	3-21
3-3	All-Weather Windrose	3-40
3-4	IFR Windrose	3-41
3-5	Existing Automobile Parking Areas	3-55
3-6	International Terminal Location	3-59
3-7	International Passenger Arrival Flow Second Floor.....	3-62
3-8	International Passenger Arrival Flow First Floor	3-63
3-9	International Facility Peak Hour Capacity.....	3-64
3-10	Intersection of Aircraft Surfaces & Part 77 Airspace Imaginary Surfaces.....	3-76
3-11	F.I.T. Aircraft Parking & Storage Facilities.....	3-85
3-12	Atlantic Jet Center Aircraft Parking & Storage Facilities	3-86
3-13	Air Cargo Facility Location	3-94
3-14	Proposed Air Cargo Facility Improvements	3-96
3-15	ARFF Location.....	3-102
3-16	Traffic Analysis Zones	3-108
4-1	No-Build Alternative (Runways)	4-3
4-2	Alternative A-1 Runway 9R/27L East End Extension	4-5
4-3	Alternative A-1 Runway 9R/27L West End Extension.....	4-6
4-4	Alternative A-2 Runway 9R/27L East End Extension.....	4-8
4-5	Alternative A-2 Runway 9R/27L West End Extension.....	4-9
4-6	Runway 9R/27L Taxiways	4-11



4-7	Alternative A-4 New Taxiway 'K' Relocation	4-13
4-8	Alternative A-4 New Taxiway 'B'	4-14
4-9	Alternative A-5 New Crossover Taxiway	4-15
4-10	Widen Taxiway 'C' North of Runway 9L-27R.....	4-17
4-11	Alternative I - 1	4-19
4-12	Alternative I - 2	4-21
4-13	Alternative I - 3.....	4-22
4-14	Alternative I - 4.....	4-24
4-15	Previous Master Plan Terminal Expansion.....	4-25
4-16	Alternative D-1	4-27
4-17	Alternative D-2	4-29
4-18	Alternative D-3.....	4-30
4-19	Rental Car Parking Lot.....	4-31
4-20	Proposed Parking Garage Location	4-33
4-21	Rental Car Relocation Options	4-34
4-22	Hotel/Conference Center Alternative.....	4-35
4-23	Alternative G-1: Option 1.....	4-37
4-24	Alternative G-2: Option 2.....	4-38
4-25	Alternative G-2 GA Hangar Facilities.....	4-39
4-26	Air Cargo Alternative	4-40
4-27	Air Traffic Control Tower Alternative	4-42
4-28	Airport Maintenance Facility Location.....	4-43
4-29	ARFF Facility Location Alternative	4-44
4-30	Surface Access Alternative	4-45
4-31	RPZ Land Acquisition Alternative	4-47
4-32	Future Property Acquisition	4-48



5-1	Existing (2002) Noise Contours.....	5-13
5-2	Future (2007) Build Noise Contours	5-14
5-3	Existing Land Use Map	5-18
5-4	Future (2020) Land Use Map	5-20
5-5	Brevard County Land Use Map	5-21
5-6	Soil Conservation Service (SCS) Map.....	5-25
5-7	USGS Map.....	5-46
5-8	National Wetlands Inventory Map.....	5-47
5-9	Geographic Planning Areas	5-54
5-10	Geographic Planning Area 1	5-55
5-11	Wetland Areas	5-56
5-12	Geographic Planning Area 2	5-58
5-13	Wetland Areas	5-59
5-14	Geographic Planning Area 3	5-60
5-15	Wetland Areas	5-61
5-16	Geo-Plan-Area 4	5-63
5-17	Wet-Areas	5-64
5-18	Geo-Plan-Area 5	5-65
5-19	Wet-Areas	5-66
5-20	Geo-Plan-Area 6	5-67
5-21	Wet-Areas	5-68
5-22	Geo-Plan-Area 7	5-69
5-23	Wet-Areas	5-70
5-24	Geo-Plan-Area 8	5-72
6-1	Airport Plan Set (1 of 14).....	6-7
6-2	Airport Plan Set (2 of 14).....	6-8



6-3	Airport Plan Set (3 of 14).....	6-9
6-4	Airport Plan Set (4 of 14).....	6-10
6-5	Airport Plan Set (5 of 14).....	6-11
6-6	Airport Plan Set (6 of 14).....	6-12
6-7	Airport Plan Set (7 of 14).....	6-13
6-8	Airport Plan Set (8 of 14).....	6-14
6-9	Airport Plan Set (9 of 14).....	6-15
6-10	Airport Plan Set (10 of 14).....	6-16
6-11	Airport Plan Set (11 of 14).....	6-17
6-12	Airport Plan Set (12 of 14).....	6-18
6-13	Airport Plan Set (13 of 14).....	6-19
6-14	Airport Plan Set (14 of 14).....	6-20