

# CONTENTS

---

<i>Chapter</i>		<i>Page</i>
	EXECUTIVE SUMMARY .....	ES I
1	EXISTING AND FUTURE CONDITIONS	
1.1	Study Background .....	1-1
1.2	Study Area Definition .....	1-1
1.3	Study Area Characteristics .....	1-1
1.4	Corridor Transportation Issues .....	1-4
2	REASONABLE ALTERNATIVE PACKAGES .....	2-1
2.1	RAP 1 - Future No Build (Existing and Committed) .....	2-1
2.2	RAP 2 - Transportation System Management, Transit Operations and Transportation Demand Management.....	2-1
2.3	RAP 3 - Freeway Operations and Reconstruction .....	2-4
2.4	RAP 4 - Fixed Guideway Transit.....	2-6
2.5	RAP 5 - Additional Lane - HOV .....	2-9
2.6	RAP 6 - Additional Lane - General Purpose .....	2-9
2.7	Assessment of Reasonable Alternative Packages .....	2-10
3	SOCIAL, ENVIRONMENTAL, AND ECONOMIC EFFECTS .....	3-1
3-1	Social Effects .....	3-1
3.2	Environmental Effects .....	3-4
3.3	Economic Effects .....	3-7
4	RECOMMENDED PACKAGE OF IMPROVEMENTS .....	4-1
4.1	Recommended Improvements .....	4-1
4.2	New Britain - Hartford Busway .....	4-1
4.3	Reconstruction of Flatbush, Prospect, Sisson and Sigourney Avenue Interchange (West Side Access) .....	4-4
4.4	Reconstruction of Routes 4,6, and 9 Interchanges .....	4-4
4.5	Auxiliary Lanes in West Hartford .....	4-5
4.6	Improved Bus Services along I-84/Farmington Avenue.....	4-5
4.7	Support for Arterial Roadways.....	4-6
4.8	Transportation Demand Management .....	4-6
4.9	Land Use Regulation to Support Transit Friendly Design .....	4-6
4.10	Effect on Highway Performance .....	4-7
4.11	Capital and Operating Costs.....	4-7
5	PUBLIC INVOLVEMENT .....	5-1
5.1	Public Informational Meetings and Newsletters.....	5-1
5.2	Advisory Committee Meetings.....	5-2
5.3	Update of Long Range Transportation Plan.....	5-3
5.4	Issues for Further Analysis.....	5-4
	APPENDIX	

# TABULATIONS

---

<i>Table</i>		<i>Page</i>
2.1	Daily Ridership for Transit-Related RAPs.....	2-11
2.2	Peak Period Comparison of Transit-Related RAPs .....	2-12
2.3	Highway Performance Measures for All RAPs .....	2-13
2.4	Impact on Arterial Route Miles by V/C Ratio .....	2-17
2.5	Construction Cost Estimate .....	2-18
2.6	Transit Vehicle and Facility Capital Costs .....	2-19
2.7	Annual Operating Costs.....	2-20
2.8	Annual Fare/Operating Ratio .....	2-20
2.9	Transit Subsidy .....	2-21
3.1	Community Population Characteristics .....	3-3
3.2	Environmental Justice Evaluation .....	3-4
4.1	Stations by Municipalities .....	4-2
4.2	Projected Travel Time Savings - Peak Period .....	4-3
4.3	Busway Passenger Ridership .....	4-4
4.4	Recommended RAP Performance Measures.....	4-8
4.5	Arterial Route Miles by V/C Ratio .....	4-8
4.6	Capital Costs of Recommended Improvements .....	4-9

# ILLUSTRATIONS

---

<i>Fig. No.</i>		<i>Follows Page</i>
1.1	Study Area Map .....	1-1
1.2	Corridor-Wide Transportation Issues.....	1-4
1.3	Selected Traffic Flows .....	1-5
1.4	Performance Measures - P.M. Peak Hour .....	1-5
1.5	Performance Measures - A.M. Peak Hour .....	1-5
1.6	Volume to Capacity Ratio on Arterial Network .....	1-5
1.7	Intersection Levels of Service (LOS).....	1-5
3.1	Environmental Risk Sites .....	3-5
3.2	Secondary Economic Impacts - New Britain.....	3-9
3.3	Secondary Economic Impacts - Hartford.....	3-9
4.1	Recommended Package of Improvements .....	4-1
4.2	Typical Cross Section for Busway .....	4-1
4.3	Performance Measures - I-84 Eastbound A.M. & P.M. Peak Hour .....	4-8
4.4	Performance Measures - I-84 Westbound A.M. & P.M. Peak Hour.....	4-8
4.5	Volume to Capacity Ratio on Arterial Network A.M. Peak.....	4-8
4.6	Volume to Capacity Ratio on Arterial Network P.M. Peak .....	4-8