
TABLE OF CONTENTS

Volume 1	Page
PROJECT COMMITMENTS	III
SUMMARY.....	XI
1.0 PURPOSE OF AND NEED FOR ACTION.....	1-1
1.1 Project Need.....	1-1
1.2 Project Purpose	1-2
1.3 Background Information.....	1-2
1.3.1 Setting and Land Use	1-2
1.3.2 Population Growth	1-5
1.3.3 Project History	1-5
1.4 Thoroughfare Planning.....	1-6
1.4.1 Overview of the Thoroughfare Planning Process.....	1-6
1.4.2 Caldwell and Watauga County Thoroughfare Planning.....	1-6
1.4.3 North Carolina Transportation Improvement Program	1-6
1.5 Transportation Network and Operating Characteristics	1-7
1.5.1 Existing Road Network	1-7
1.5.2 Roadway Characteristics and Posted Speeds	1-7
1.5.3 Sidewalks and Pedestrian Movements	1-8
1.5.4 Intersections and Access Control	1-8
1.5.5 Traffic Volumes	1-8
1.5.6 Level of Service	1-10
1.5.7 Crashes/Safety	1-13
1.6 Modal Interrelationships	1-15
1.7 Summary.....	1-15
2.0 ALTERNATIVES CONSIDERED	2-1
2.1 Study Chronology.....	2-1
2.1.1 1990 to 1994 Environmental Assessment and Finding of No Significant Impact	2-2
2.1.2 1995 to 1997 Blowing Rock Bypass Studies	2-2
2.1.3 1998 to 1999 Studies	2-6
2.1.4 2000 to 2005 DEIS Preparation, Public Hearings, Selection of a Preferred Alternative, and Negotiation of Mitigation Agreements	2-7
2.2 Selection of the Blowing Rock Bypass Alternatives for Evaluation in the EIS.....	2-8
2.2.1 1990 to 1993 Blowing Rock Bypass Corridor Studies.....	2-8
2.2.2 1995 to 1997 Blowing Rock Bypass Corridor Studies.....	2-10
2.2.3 1999 Widening Proposal	2-37
2.2.4 Selection of the Alternatives to be Evaluated in the EIS	2-38
2.3 Alternatives to a Four-Lane Project.....	2-39
2.3.1 No-Build.....	2-39

TABLE OF CONTENTS (continued)

2.3.2	Postponement of Improvements.....	2-39
2.3.3	Redesignation of US 321 between Lenoir, NC and Hampton, TN	2-39
2.3.4	Improving the Connection between Hickory, NC and US 421	2-46
2.3.5	Transit Alternative	2-46
2.3.6	Transportation Systems Management (Two-Lane and Three-Lane Alternatives)	2-49
2.3.7	Partial Four-Lane Alternative.....	2-55
2.4	Description of Build Alternatives, Including the Preferred Alternative	2-61
2.4.1	Preferred Alternative.....	2-61
2.4.2	Bypass Alternatives 1A and 1B	2-75
2.4.3	Bypass Alternatives 4A and 4B	2-83
2.4.4	Landscaping and Revegetation.....	2-95
2.4.5	Permits Required.....	2-97
3.0	AFFECTED ENVIRONMENT.....	3-1
3.1	Population, Economics, and Land Use	3-1
3.1.1	History of Development.....	3-1
3.1.2	Population	3-2
3.1.3	Economics and Employment Trends.....	3-5
3.1.4	Existing Land Use.....	3-11
3.1.5	Comprehensive Planning	3-13
3.1.6	Farmlands.....	3-17
3.2	Neighborhoods and Community Services	3-17
3.2.1	Communities and Neighborhoods.....	3-17
3.2.2	Community Facilities and Resources.....	3-19
3.3	Minority and Low-Income Populations	3-20
3.3.1	Minority and Low-Income Definitions	3-20
3.3.2	Concentrations of Minority and Low Income Populations	3-20
3.4	Visual and Aesthetic Quality	3-21
3.4.1	General Characteristics of the Existing Landscape and its Viewers	3-22
3.4.2	Description of Landscape Units	3-23
3.5	Air Quality	3-33
3.6	Noise	3-34
3.6.1	Fundamental Concepts of Highway Noise.....	3-34
3.6.2	Ambient Noise Measurements	3-35
3.6.3	Noise Prediction Model Validation.....	3-35
3.6.4	Predicted Existing Noise Levels	3-38
3.7	Historic and Archaeological Resources.....	3-39
3.7.1	Historic Resources	3-39
3.7.2	Archaeological Resources.....	3-53
3.8	Parks and Recreation Areas.....	3-53
3.8.1	Blowing Rock Assembly Grounds.....	3-53
3.8.2	The Blowing Rock Country Club.....	3-53
3.8.3	The Blue Ridge Parkway	3-54

TABLE OF CONTENTS (continued)

3.9	Fog	3-58
3.10	Ecological Resources	3-59
3.10.1	Terrestrial Resources.....	3-59
3.10.2	Aquatic Resources.....	3-67
3.10.3	Threatened or Endangered Species	3-78
3.10.4	Natural Resource Protection Policies and Goals.....	3-81
3.11	Floodplains and Regulatory Floodways	3-81
3.12	Hazardous Material Sites and Underground Storage Tanks	3-84
3.13	Utilities	3-84
3.13.1	Water and Sewer	3-84
3.13.2	Telephone.....	3-85
3.13.3	Electric and Cable Lines	3-85
4.0	ENVIRONMENTAL CONSEQUENCES.....	4-1
4.1	Community Impacts.....	4-2
4.1.1	Relocation	4-3
4.1.2	Economic Impacts.....	4-6
4.1.3	Land Use Plan Compatibility	4-20
4.1.4	Farmlands.....	4-23
4.1.5	Neighborhoods and Community Cohesion	4-23
4.1.6	Community Facilities and Resources.....	4-29
4.2	Minority and Low-Income Populations	4-30
4.3	Visual and Aesthetic Quality	4-30
4.3.1	Assessment Factors	4-31
4.3.2	Preferred Alternative.....	4-32
4.3.3	Bypass Alternative 1A	4-39
4.3.4	Bypass Alternative 1B.....	4-45
4.3.5	Bypass Alternative 4A	4-48
4.3.6	Bypass Alternative 4B.....	4-55
4.4	Air Quality	4-62
4.4.1	Regional Air Quality	4-62
4.4.2	Microscale Air Quality Analysis.....	4-63
4.4.3	Potential Air Quality Impacts.....	4-65
4.4.4	Air Quality Conformance.....	4-65
4.4.5	Mobile Source Air Toxics.....	4-65
4.5	Noise and Vibration	4-66
4.5.1	Noise Standards and Criteria.....	4-66
4.5.2	Traffic Noise Model.....	4-68
4.5.3	Predicted Noise Levels.....	4-68
4.5.4	Analysis.....	4-75
4.5.5	Project Noise Abatement.....	4-75

TABLE OF CONTENTS (continued)

4.6	Historic and Archaeological Resources	4-77
4.6.1	Historic Resources	4-78
4.6.2	Archaeological Resources	4-91
4.7	Parks and Recreation Areas	4-91
4.7.1	Blowing Rock Assembly Grounds	4-92
4.7.2	The Blowing Rock Country Club.....	4-92
4.7.3	The Blue Ridge Parkway	4-93
4.8	Fog	4-101
4.9	Ecological Resources	4-102
4.9.1	Physical Resource Impacts.....	4-102
4.9.2	Terrestrial Resource Impacts.....	4-104
4.9.3	Jurisdictional Area Impacts.....	4-107
4.9.4	Threatened or Endangered Species	4-116
4.10	Floodplains and Regulatory Floodways	4-119
4.11	Hazardous Material Sites and Underground Storage Tanks	4-120
4.12	Energy	4-121
4.13	Mineral Resources	4-121
4.14	Utilities	4-121
4.14.1	Water and Sewer Impacts.....	4-121
4.14.2	Telephone Line Impacts	4-122
4.14.3	Electric and Cable Line Impacts	4-122
4.14.4	Relocation Procedures.....	4-122
4.15	Secondary and Cumulative Impacts	4-123
4.15.1	No-Build Alternative.....	4-125
4.15.2	Preferred Alternative	4-128
4.15.3	Bypass Alternatives 1A and 1B	4-132
4.15.4	Bypass Alternatives 4A and 4B	4-135
4.15.5	Blue Ridge Parkway Cumulative Impacts of Highway Projects.....	4-139
4.15.6	Cumulative Impacts of Improvements to US 321 from NC 168 at Patterson to Blowing Rock.....	4-140
4.16	Construction Impacts	4-141
4.16.1	Construction Contract Specifications	4-143
4.16.2	Potential Special Contractor Incentives	4-143
4.16.3	Innovative Techniques	4-145
4.16.4	Excavation Procedures (Including Blasting).....	4-148
4.16.5	Earthwork Borrow and Waste	4-152
4.16.6	Erosion Control	4-153
4.16.7	Air Quality	4-155
4.16.8	Noise Control	4-156
4.16.9	Tree Protection	4-156
4.16.10	Utility Relocation	4-157
4.16.11	Geodetic Survey Markers.....	4-157

TABLE OF CONTENTS (continued)

4.17 The Relationship Between Local Short-Term Uses of Man’s Environment and the Maintenance and Enhancement of Long-Term Productivity 4-157

4.17.1 Preferred Alternative 4-157

4.17.2 Bypass Alternatives 1A and 1B 4-158

4.17.3 Bypass Alternatives 4A and 4B 4-159

4.18 Irreversible and Irrecoverable Commitments of Resources..... 4-160

5.0 LIST OF PREPARERS 5-1

5.1 North Carolina Department of Transportation (NCDOT) 5-1

5.2 Parsons Brinckerhoff Quade & Douglas, Inc. 5-1

5.3 Corporate Services, Inc..... 5-3

5.4 EcoScience Corporation 5-3

5.5 GEOTEK & Associates, Inc. 5-3

5.6 Golder Associates, Inc..... 5-3

5.7 Mattson, Alexander & Associates, Inc..... 5-3

5.8 Ralph J. Trapani, P.E. 5-4

6.0 LIST OF AGENCIES, ORGANIZATIONS, AND PERSONS TO WHOM COPIES OF THE STATEMENT ARE SENT 6-1

6.1 Federal Agencies..... 6-1

6.2 State Agencies 6-2

6.3 Local Governments and Agencies..... 6-2

6.4 Interest Groups..... 6-3

6.5 Public Libraries 6-3

7.0 COMMENTS AND COORDINATION 7-1

7.1 Earlier EA and FONSI Preparation..... 7-1

7.2 DEIS Scoping..... 7-1

7.2.1 Scoping Letter Responses 7-2

7.2.2 February 1, 1996 Agency Scoping Meeting..... 7-3

7.2.3 Citizen Participation in Scoping..... 7-3

7.3 Bypass Alternatives Study 7-3

7.3.1 Citizen Involvement 7-4

7.3.2 December 17, 1996 Interagency/Steering Committee Meeting 7-8

7.3.3 Alternatives Assessment Questionnaire 7-9

7.3.4 March 8, 1999 Video Presentation..... 7-9

TABLE OF CONTENTS (continued)

7.4	DEIS Preparation.....	7-10
7.4.1	NEPA/Section 404 Merger Team Meetings.....	7-10
7.4.2	Cultural Resource Agency Meetings.....	7-12
7.4.3	Citizens Advisory Committee	7-13
7.5	General DEIS Outreach Programs.....	7-13
7.5.1	Newsletters.....	7-13
7.5.2	Small Group Meetings	7-15
7.5.3	Toll Free Project Information Line	7-15
7.5.4	Website.....	7-15
7.6	Pre-Hearing Workshops.....	7-15
7.7	Public Hearing.....	7-16
7.8	Public Comments and Responses.....	7-16
7.8.1	Comments Against Widening Alternative	7-17
7.8.2	Comments in Support of Widening Alternative.....	7-23
7.8.3	Comments in Support of a Bypass	7-25
7.8.4	Comments Against a Bypass.....	7-27
7.8.5	Comments in Support of No-Build Alternative	7-29
7.8.6	Potential Greater Influence of Bypass Supporters	7-29
7.9	Agency Comments and Responses.....	7-32
7.9.1	Federal.....	7-33
7.9.2	State.....	7-44
7.9.3	Regional and Local	7-54
7.10	NCDOT Post Hearing NEPA/404 Merger Team Meetings	7-55
7.10.1	NEPA/404 Concurrence Point 3 Merger Meeting	7-55
7.10.2	Concurrence Point 4A and 2A Meeting	7-56
7.11	Blowing Rock Town Council Mitigation Meetings	7-56
7.11.1	May 16, 2003 Meeting	7-57
7.11.2	June 12, 2003 Meeting	7-57
7.11.3	July 10, 2003 Meeting.....	7-57
7.11.4	October 7, 2003 Meeting.....	7-57
7.12	Section 106 Consulting Party Meetings.....	7-58
7.12.1	June 24, 2003 A.G. Jonas Cottage Meeting	7-58
7.12.2	June 24, 2003 Blowing Rock Country Club Meeting	7-59
7.12.3	June 25, 2003 Hayes Meeting	7-59
7.12.4	June 25, 2003 Green Park Inn Meeting.....	7-59
7.12.5	July 25, 2003 Meeting with the Owner of the Green Park Inn	7-60
7.12.6	July 31, 2003 Section 106 Consulting Parties Open House	7-60
7.12.7	October 29, 2003 Small Group Meeting	7-60
7.12.8	August 6, 2004 Small Group Meeting	7-60
7.13	October 3, 2003 Meeting with The Pines.....	7-61
INDEX.....	IN-1	

TABLE OF CONTENTS (concluded)

Volume 2

APPENDIX A AGENCY CORRESPONDENCE A-1

APPENDIX B CORRIDOR PUBLIC HEARING TRANSCRIPT
AND COMMENTS..... B-1

APPENDIX C RELOCATION REPORTS C-1

APPENDIX D DESIGN AND LANDSCAPE DRAWINGS FOR THE BUILD
ALTERNATIVES..... D-1

APPENDIX E LIST OF REFERENCES AND TECHNICAL REPORTS E-1

APPENDIX F NEPA/404 MERGER CONCURRENCE FORMS.....F-1

APPENDIX G MEMORANDUM OF UNDERSTANDING AND
MEMORANDUM OF AGREEMENT G-1

LIST OF TABLES

		Page
Table S-1.	Summary Comparison of Alternatives.....	xiii
Table 1-1.	Existing (1998) and Forecast Average Daily Traffic (ADT) and Forecast Design Hour Volume.....	1-10
Table 1-2.	Level of Service Criteria.....	1-11
Table 1-3.	Design Hour Roadway Level of Service.....	1-12
Table 1-4.	Design Hour Intersection Level of Service.....	1-13
Table 1-5.	Crash Rates	1-14
Table 2-1.	1997 Comparison of Potential Bypass Alternatives (Part 1)	2-16
Table 2-2.	1997 Comparison of Potential Bypass Alternatives (Part 2)	2-21
Table 2-3.	Percent of Local Automobile Trips and Automobile Trips with a Blowing Rock Origin or Destination that Must Use Transit to Achieve Various Levels of Service (Excludes Through Trips)	2-48
Table 2-4.	Percent of All Automobile Trips that Must Use Transit to Achieve Various Levels of Service.....	2-49
Table 2-5.	2025 Link Level of Service (LOS) for Partial Four-Lane Designs.....	2-56
Table 2-6.	Impact of Grade on Truck Speed	2-59
Table 2-7.	Key Design Criteria for the Build Alternatives.....	2-63
Table 2-8.	Retaining Wall Design Criteria.....	2-66
Table 2-9.	Location and Purpose of Intersection Improvements with the Preferred Alternative.....	2-67
Table 2-10.	Retaining Walls Included in the Preferred Alternative	2-68
Table 2-11.	Cut and Fill Requirements for the Preferred Alternative	2-68
Table 2-12.	Average Daily Traffic Forecasts	2-74
Table 2-13.	Design Hour Level of Service.....	2-74
Table 2-14.	Design Hour Intersection Level of Service.....	2-75
Table 2-15.	Intersections and Other Road Crossings with Bypass Alternatives 1A and 1B.....	2-78
Table 2-16.	Retaining Walls Included in Bypass Alternatives 1A and 1B	2-79
Table 2-17.	Bridges Included in Bypass Alternatives 1A and 1B.....	2-79
Table 2-18.	Cut and Fill Requirements for Bypass Alternatives 1A and 1B	2-80
Table 2-19.	Retaining Walls Included in Bypass Alternatives 4A and 4B	2-85
Table 2-20.	Bridges Included in Bypass Alternatives 4A and 4B.....	2-86
Table 2-21.	Cut and Fill Requirements for Alternatives 4A and 4B	2-86
Table 3-1.	Permanent Population in Town of Blowing Rock and Caldwell and Watauga Counties	3-3
Table 3-2.	Population Forecasts for Caldwell and Watauga Counties	3-3
Table 3-3.	Population Above Age 65	3-4
Table 3-4.	Non-White Population	3-4
Table 3-5.	Population Below Poverty Line	3-4
Table 3-6.	Median Household Income	3-5
Table 3-7.	Employment by Sector.....	3-6
Table 3-8.	Housing Units in Town of Blowing Rock and Caldwell and Watauga Counties	3-8
Table 3-9.	Single-Family Building Permits Issued (Percent Change from Previous Year)	3-9
Table 3-10.	Housing Values in Town of Blowing Rock and Caldwell and Watauga Counties	3-10

LIST OF TABLES (continued)

Table 3-11.	Housing Vacancy Rates in Town of Blowing Rock and Caldwell and Watauga Counties	3-10
Table 3-12.	Minority and Low-Income Populations, 2000	3-21
Table 3-13.	Measured Ambient Noise Levels (dBA).....	3-38
Table 3-14.	Existing Condition Noise Levels at Receptors Adjacent to US 321	3-40
Table 3-15.	Characteristics of District and Contributing Properties	3-45
Table 3-16.	Past, Present, and Programmed NCDOT Projects Affecting the Blue Ridge Parkway.....	3-56
Table 3-17.	Percent of Major Land Cover Types in Regional Sub-Basins	3-65
Table 3-18.	Changes In Land Cover in Regional Sub-Basins 1982 to 1992.....	3-65
Table 3-19.	Forested Land And Managed Timberland	3-66
Table 3-20.	Characteristics of Streams and Stream Crossings.....	3-72
Table 3-21.	Federally Protected Species Listed by the US Fish and Wildlife Service	3-79
Table 3-22.	Species Listed as “Federal Species of Concern”.....	3-80
Table 4-1.	Estimated Maximum Displacees.....	4-4
Table 4-2.	Preferred Alternative Relocation Summary	4-4
Table 4-3.	Maryland Business and Customer Survey Results.....	4-11
Table 4-4.	Percent Change in Sales by Alternative and Business Type.....	4-12
Table 4-5.	Change in Sales for US 321 Businesses by Alternative.....	4-13
Table 4-6.	Build Alternative Capital Costs	4-16
Table 4-7.	Employment and Earnings Impacts of Construction	4-16
Table 4-8.	Average Weekday Changes in System Travel Parameters	4-18
Table 4-9.	Annual Transportation System Cost Savings, Selected Build Years	4-18
Table 4-10.	Transportation System Benefits and Costs	4-19
Table 4-11.	Summary of Economic Benefits and Costs.....	4-21
Table 4-12.	Predicted Worst-Case 1-Hour and 8-Hour CO Levels (ppm).....	4-65
Table 4-13.	Noise Abatement Criteria for Highway Projects	4-67
Table 4-14.	Predicted Existing and Future Noise Levels for the No-Build Alternative at Receivers Adjacent to US-321	4-69
Table 4-15.	Predicted Existing and Future Noise Levels for the Preferred Alternative at Receivers Adjacent to US-321	4-70
Table 4-16.	Predicted Existing and Future Noise Levels for Bypass Alternative 1A	4-71
Table 4-17.	Predicted Existing and Future Noise Levels for Bypass Alternative 1B	4-72
Table 4-18.	Predicted Existing and Future Noise Levels for Bypass Alternative 4A	4-73
Table 4-19.	Predicted Existing and Future Noise Levels for Bypass Alternative 4B	4-74
Table 4-20.	Number of Noise Sensitive Receptors Affected by Alternative	4-75
Table 4-21.	Determination of Effect for Project Area Historic Resources.....	4-79
Table 4-22.	District and Contributing Properties Affected	4-81
Table 4-23.	Visual Change in District and at Contributing Properties.....	4-82
Table 4-24.	Areas of Each Plant Community by Alternative.....	4-104
Table 4-25.	Jurisdictional areas that Occur Within the Construction Limits of the Preferred Alternative.....	4-108
Table 4-26.	Jurisdictional Areas that Occur Within the Construction Limits of Bypass Alternative 1A.....	4-108
Table 4-27.	Jurisdictional Areas that Occur Within the Construction Limits of Bypass Alternative 1B	4-108
Table 4-28.	Jurisdictional Areas that Occur Within the Construction Limits of Bypass Alternative 4A.....	4-109

LIST OF TABLES (concluded)

Table 4-29.	Jurisdictional Areas that Occur Within the Construction Limits of Bypass Alternative 4B	4-109
Table 4-30.	Jurisdictional Streams and Wetlands Within Each Alternative	4-110
Table 4-31.	Alternatives that Contain Streams Affected by Parallel Fill.....	4-110
Table 4-32.	Preferred Alternative Stream Characteristics and Impact.....	4-112
Table 4-33.	Preferred Alternative Wetland Characteristics and Impact.....	4-113
Table 4-34.	Major Stream Crossing	4-113
Table 4-35.	Species Potentially Triggering High Quality Resource Designation.	4-113

LIST OF FIGURES

	Page
Figure S-1. Build Alternatives	xii
Figure 1-1. Regional Map and TIP Projects	1-3
Figure 1-2. Project Area Map	1-4
Figure 1-3. Existing and Forecast Traffic Volumes	1-9
Figure 2-1. 1993 Blowing Rock Bypass Alternatives	2-3
Figure 2-2. 1993 “Most Reasonable” Blowing Rock Bypass Alternative	2-4
Figure 2-3. 1995 to 1997 Project Area Map	2-11
Figure 2-4. 1995 to 1997 Initial Bypass Alternatives	2-12
Figure 2-5. 1995 to 1997 Additional Bypass Alternatives	2-14
Figure 2-6. 1995 to 1997 South End Corridor Alternatives	2-25
Figure 2-7. 1995 to 1997 North End Corridor Alternatives	2-26
Figure 2-8. Bypass Alternatives 1 to 4	2-36
Figure 2-9. US 321 Redesignation Alternative	2-41
Figure 2-10. Alternate Route from Hickory to Boone	2-47
Figure 2-11. Peak Hour Volume & Capacity Blackberry Road to Green Hill Road	2-52
Figure 2-12. Peak Hour Volume & Capacity Green Hill Road to US 321 Business	2-53
Figure 2-13. Peak Hour Volume & Capacity US 321 Business to US 221	2-54
Figure 2-14. 2025 Control Delay at US 321 Intersections in Blowing Rock	2-56
Figure 2-15. 2025 Network Delay at US 321 Intersections in Blowing Rock	2-57
Figure 2-16. 2025 Queues along US 321 in Blowing Rock	2-57
Figure 2-17. 2025 Network Delay	2-58
Figure 2-18. Preferred Alternative Typical Sections	2-64
Figure 2-19. Bypass Typical Sections	2-77
Figure 2-20. Bifurcation Typical Cross Section	2-90
Figure 3-1. Existing Land Use	3-12
Figure 3-2. Generalized Blowing Rock, Watauga County and Caldwell County Zoning	3-14
Figure 3-3. Landscape Units in the Project Area	3-24
Figure 3-4. Visual Features of the Project Area	3-25
Figure 3-5. Noise Sensitive Areas	3-36
Figure 3-6. Historic Resources and Park and Recreation Areas	3-42
Figure 3-7. Green Park Historic District	3-43
Figure 3-8. Relation of Historic District Features to Preferred Alternative	3-50
Figure 3-9. Section 404 Jurisdictional Areas	3-70
Figure 3-10. Floodplains and Regulatory Floodways	3-82
Figure 4-1. Preferred Alternative with Landscape Plan in the Green Park Inn Area	4-35
Figure 4-2. Preferred Alternative with Landscape Plan in the Sunset Drive Area	4-38
Figure 4-3. Bypass Alternative 1A at Blowing Rock	4-40
Figure 4-4. Bypass Alternative 1A Viewed from the Blackberry Condominiums	4-42
Figure 4-5. Bypass Alternative 1B at Blowing Rock	4-46
Figure 4-6. Bypass Alternative 4A Following the Blue Ridge Escarpment	4-49
Figure 4-7. Bypass Alternative 4A View South from Thunderhill Overlook on the Blue Ridge Parkway	4-52
Figure 4-8. Bypass Alternative 4B Following the Blue Ridge Escarpment	4-56

LIST OF FIGURES (concluded)

Figure 4-9.	Bypass Alternative 4B View South from Thunderhill Overlook on the Blue Ridge Parkway.....	4-58
Figure 4-10.	Air Quality Analysis Site.....	4-64
Figure 4-11.	Preferred Alternative at Green Park Inn	4-85
Figure 4-12.	Preferred Alternative at the A.C. Jonas Cottage	4-86
Figure 4-13.	Potential Stream Mitigation Sites	4-115