



**Final Environmental Impact Statement
and
Section 4(f) Evaluation**

September 2008

Submitted pursuant to 42 U.S.C. 4332(2)(c) and 49 U.S.C. 303

by

Federal Highway Administration
Utah Department of Transportation
Utah Transit Authority

FHWA-UT-EIS-07-02-F

*SP-0067(3)0

Volume 3 of 8

*Chapters 16
through 34*



Volume 3

Chapters and Chapter Appendices

- Chapter 16: Floodplains**
- Chapter 17: Historic, Archaeological, and Paleontological Resources**
 Appendix 17A: NRHP-Eligible Resources Affected by the Project
 Appendix 17B: Cultural Resources Correspondence
- Chapter 18: Hazardous Waste Sites**
- Chapter 19: Visual Resources**
 Appendix 19A: Photosimulations
- Chapter 20: Energy**
- Chapter 21: Construction Impacts**
- Chapter 22: Short-Term Uses versus Long-Term Productivity**
- Chapter 23: Irreversible and Irrecoverable Commitment of Resources**
- Chapter 24: Indirect Effects**
- Chapter 25: Cumulative Impacts**
- Chapter 26: Permits, Reviews, and Approvals**
- Chapter 27: Mitigation Summary**
- Chapter 28: Section 4(f) Evaluation**
 Appendix 28A: Historic Properties within Mountain View Corridor Study Area
 Appendix 28B: Lee Kay Center for Hunter Education Correspondence
 Appendix 28C: Hunter Park Information and Correspondence
 Appendix 28D: Western Springs Park Correspondence
 Appendix 28E: Coordination with Granite School District and Hillside Elementary School
 Appendix 28F: *De Minimis* Correspondence
 Appendix 28G: West Valley City Resolution for the 5800 West Freeway Alternative
- Chapter 29: Sequencing**
- Chapter 30: Public and Agency Consultation and Coordination**
- Chapter 31: List of Preparers**
- Chapter 32: Distribution**
- Chapter 33: Glossary**
- Chapter 34: Index**

List of Tables

Chapter 16 Tables

Table 16.3-1. Communities Participating in the FEMA Flood Insurance Program in the Floodplain Impact Analysis Area – Salt Lake County	16-5
Table 16.3-2. Streams in the Impact Analysis Area – Salt Lake County	16-6
Table 16.3-3. Communities Participating in the FEMA Flood Insurance Program in the Floodplain Impact Analysis Area – Utah County	16-10
Table 16.3-4. Streams and Water Bodies in the Floodplain Impact Analysis Area – Utah County	16-10
Table 16.4-1. Floodplain Crossings – Salt Lake County	16-14
Table 16.4-2. Floodplain Impact Summary – Salt Lake County	16-15
Table 16.4-3. Floodplain Crossings – Utah County	16-23
Table 16.4-4. Floodplain Impact Summary – Utah County	16-23
Table 16.4-5. Floodplain Impact Summary	16-29

Chapter 17 Tables

Table 17.1-1. Cultural Resource Laws and Regulations that Apply to the Mountain View Corridor Project	17-3
Table 17.1-2. Outline of the Section 106 Process and Status for the MVC Project	17-5
Table 17.2-1. Architectural Properties Associated with the Salt Lake County Alternatives	17-14
Table 17.2-2. Archaeological Sites Associated with the Salt Lake County Alternatives	17-25
Table 17.2-3. Architectural Properties Associated with the Utah County Alternatives	17-27
Table 17.2-4. Archaeological Sites within the Utah County Alternatives	17-31
Table 17.3-1. Summary of Impacts to Cultural Resources	17-43

Chapter 18 Tables

Table 18.3-1. Hazardous Waste Sites within 0.5 Mile of the Alternatives in Salt Lake County	18-4
Table 18.3-2. Hazardous Waste Sites within 0.5 Mile of the Alternatives in Utah County	18-5
Table 18.4-1. Potential Hazardous Waste Site Impacts under the 5600 West Transit Alternative with Dedicated Right-of-Way Transit Option	18-12
Table 18.4-2. Potential Hazardous Waste Site Impacts under the 5600 West Transit Alternative with Mixed-Traffic Transit Option	18-14
Table 18.4-3. Potential Hazardous Waste Site Impacts under the 5800 West Freeway Alternative	18-19
Table 18.4-4. Potential Hazardous Waste Site Impacts under the 7200 West Freeway Alternative	18-24
Table 18.4-5. Potential Hazardous Waste Site Impacts under the Southern Freeway Alternative	18-27
Table 18.4-6. Potential Hazardous Waste Site Impacts under the 2100 North Freeway Alternative	18-29
Table 18.4-7. Potential Hazardous Waste Site Impacts under the Arterials Alternative	18-31
Table 18.4-8. Summary of Hazardous Waste Site Impacts	18-33

Chapter 19 Tables

Table 19.6-1. Noise-Abatement Barriers by Alternative.....	19-31
Table 19.6-2. Summary of Visual Impacts for Combined Salt Lake County and Utah County Alternatives	19-46

Chapter 20 Tables

Table 20.2-1. Existing (2005) Average Daily Vehicle Fuel Consumption.....	20-2
Table 20.3-1. Average Daily Vehicle Fuel Consumption under the No-Action Alternative in 2030	20-4
Table 20.3-2. Average Daily Vehicle Fuel Consumption under the 5600 West Transit Alternative in 2030.....	20-5
Table 20.3-3. Average Daily Vehicle Fuel Consumption under the 5800 West and 7200 West Freeway Alternatives in 2030	20-6
Table 20.3-4. Average Daily Vehicle Fuel Consumption under the Utah County Alternatives in 2030	20-10
Table 20.3-5. Increase in Average Daily VMT and Vehicle Fuel Consumption in the MVC Study Area in 2030	20-13

Chapter 24 Tables

Table 24.4-1. Major Planned Developments in Salt Lake County	24-17
Table 24.4-2. Major Planned Developments in Utah County.....	24-19
Table 24.4-3. Comparison of 2005 Population and Employment in the MVC Study Area Traffic Analysis Zones with Projections for 2030 from LRTP and Growth Choices.....	24-23

Chapter 25 Tables

Table 25.3-1. Present and Reasonably Foreseeable Transit and Roadway Actions	25-10
Table 25.3-2. Present and Reasonably Foreseeable Development Actions	25-17
Table 25.4-1. Sources of Water Quality Impairment in the Utah Lake–Jordan River Watershed Management Unit, 2002.....	25-27

Chapter 26 Tables

Table 26.4-1. Required Permits and Clearances.....	26-9
--	------

Chapter 27 Tables

Table 27.12-1. Potential Salt Lake County Wetland Mitigation Sites.....	27-35
Table 27.12-2. Potential Utah County Wetland Mitigation Sites	27-36

Chapter 28 Tables

Table 28.3-1. NRHP-Eligible Historic Resources in Salt Lake County	28-14
Table 28.3-2. Existing and Planned Public Parks and Recreation Areas in Salt Lake County.....	28-19
Table 28.3-3. NRHP-Eligible Historic Resources in Utah County	28-24
Table 28.3-4. Existing and Planned Public Parks and Recreation Areas in Utah County	28-28



Table 28.4-1. Summary of Section 4(f) Uses of Historic Resources from the 5600 West Transit Alternative 28-31

Table 28.4-2. Description of Uses of Historic Resources from the 5600 West Transit Alternative..... 28-32

Table 28.4-3. Summary of Section 4(f) Uses of Historic Resources from the Salt Lake County Freeway Alternatives..... 28-38

Table 28.4-4. Description of Uses of Historic Resources from the Salt Lake County Freeway Alternatives 28-39

Table 28.4-5. Summary of Section 4(f) Uses of Public Parks and Recreation Areas from the 5600 West Transit Alternative 28-43

Table 28.4-6. Description of Uses of Public Parks and Recreation Areas from the 5600 West Transit Alternative 28-44

Table 28.4-7. Summary of Section 4(f) Uses of Public Parks and Recreation Areas from the Salt Lake County Freeway Alternatives..... 28-45

Table 28.4-8. Description of Uses of Public Parks and Recreation Areas from the Salt Lake County Freeway Alternatives..... 28-46

Table 28.4-9. Summary of Section 4(f) Uses of Historic Resources from the Utah County Alternatives 28-49

Table 28.4-10. Description of Uses of Historic Resources from the Utah County Alternatives 28-50

Table 28.4-11. Summary of Section 4(f) Uses of Public Parks and Recreation Areas from the Utah County Alternatives..... 28-56

Table 28.4-12. Description of Uses of Public Parks and Recreation Areas from the Utah County Alternatives 28-57

Table 28.5-1. Total Number of Section 4(f) Uses from the Salt Lake County Freeway Alternatives 28-98

Table 28.5-2. Comparison of Wetland Impacts from the Salt Lake County Freeway Alternatives 28-106

Table 28.5-3. Comparison of Home and Business Relocations from the Salt Lake County Freeway Alternatives 28-107

Table 28.5-4. Comparison of Environmental Impacts from the Salt Lake County Freeway Alternatives 28-110

Chapter 29 Tables

Table 29.2-1. Municipality Interviews 29-4

Table 29.2-2. Developer Interviews 29-5

Table 29.2-3. 2015 Daily Regional Trips by Purpose and Mode 29-12

Table 29.2-4. 2015 Sequencing Scenario Transit Trips, Transit Boardings, Transit Share, VMT, and Delay Results in the MVC Study Area..... 29-13

Table 29.2-5. 2030 Daily Regional Trips by Purpose and Mode 29-17

Table 29.2-6. 2030 Sequencing Scenario Transit Trips, Transit Boardings, Transit Share, VMT, and Delay Results in the MVC Study Area..... 29-19

Chapter 30 Tables

Table 30.2-1. Growth Choices Stakeholder Committee Meetings 30-2

Table 30.2-2. Growth Choices Stakeholder Committee Membership 30-3

Table 30.2-3. Additional Stakeholder Committee Membership – Post–Growth Choices 30-4

Table 30.3-1. Public Meeting Notification Methods 30-10



Table 30.3-2. Transportation Commission Meeting Presentations..... 30-11

Table 30.3-3. Draft EIS Hard Copy and CD-ROM Public Distribution Locations 30-13

Table 30.3-4. Draft EIS Chapter Fact Sheets 30-13

Table 30.3-5. Poster and Flyer Distribution Locations..... 30-14

Table 30.3-6. MVC Draft EIS Public Hearings..... 30-16

Table 30.5-1. Municipal Alternatives Development Workshops 30-19

Table 30.5-2. City Council and Planning Commission Presentations 30-19

Table 30.5-3. Municipal Coordination Meetings 30-19

Table 30.5-4. Draft EIS Hard Copy and CD-ROM Local Government Distribution..... 30-20

Table 30.6-1. Newsletters..... 30-21

Table 30.6-2. Documents Available on the Project Web Site 30-22

Table 30.6-3. Illustrations Available on the Project Web Site 30-23

Table 30.6-4. E-mail Updates..... 30-24

Table 30.6-5. Speakers’ Bureau Offer Letters..... 30-25

Table 30.6-6. Speakers’ Bureau Community Club and Organization Presentations 30-26

Table 30.6-7. News Releases and Media Advisories 30-27

Table 30.6-8. Media Outlets Covering the MVC 30-29

Table 30.7-1. Pre–Draft EIS Summary of Salt Lake County Comments 30-31

Table 30.7-2. Pre–Draft EIS Summary of Utah County Comments..... 30-35

List of Charts

Chapter 25 Charts

Chart 25-1. Population Growth in Salt Lake and Utah Counties, 1850 to 2000..... 25-7

Chart 25-2. CO Second-Highest 8-Hour Concentration..... 25-22

Chart 25-3. Nitrogen Dioxide Annual Averages 25-22

Chart 25-4. Three-Year Average Fourth-Highest 8-Hour Ozone Concentration 25-22

Chart 25-5. PM₁₀ Annual Mean Concentration 25-23

Chart 25-6. Sulfur Dioxide Second-Highest 24-Hour Values 25-23



List of Photos

Chapter 19 Photos

Photo 19-1. KOP 1 – Looking Northwest at the Northern Terminus.	19-5
Photo 19-2. KOP 2 – Looking Southeast toward the Salt Lake County Landfill.	19-6
Photo 19-3. KOP 3 – Looking South along 7200 West.	19-7
Photo 19-4. KOP 4 – Looking East at the Northern Terminus.	19-8
Photo 19-5. KOP 5 – Looking Southwest at the Lee Kay Center for Hunter Education Training Pond.	19-9
Photo 19-6. KOP 6 – Looking South toward Residential Development.	19-10
Photo 19-7. KOP 7 – Looking South, Residential Development near 5600 West Just West of Wal-Mart.	19-11
Photo 19-8. KOP 8 – Looking Northwest, Commercial Development along 5600 West Just East of Wal-Mart.	19-12
Photo 19-9. KOP 9 – Looking Northwest toward Antelope Island.	19-13
Photo 19-10. KOP 10 – Looking Northeast toward the Wasatch Front.	19-14
Photo 19-11. KOP 11 – Looking Southeast toward New Residential Development.	19-15
Photo 19-12. KOP 12 – Looking East toward Point of the Mountain.	19-17
Photo 19-13. KOP 13 – Looking Southeast over Agricultural Development.	19-18
Photo 19-14. KOP 14 – Looking West toward the Jordan River.	19-19
Photo 19-15. KOP 15 – Looking West at the Jordan River.	19-20
Photo 19-16. KOP 16 – Looking South toward Water Treatment Plant.	19-21

List of Figures

No Figures

