

CHAPTER 9 – REFERENCES

This chapter includes references for the Comprehensive Alternatives Screening Report and the Addendum to the Report. References are separated by chapter of the Report/Addendum, as noted in the headings.

References for Screening Report Chapter 1 – Project Description

Chittenden County Metropolitan Transportation Organization. January 2005. *Draft 2025 Chittenden County Transportation Plan*.

Circ-Williston Transportation Project website, available at www.circeis.org

Vermont Agency of Transportation (VTrans) and Federal Highway Administration (FHWA). May 31, 2005. *Scoping Memorandum for Circ-Williston Environmental Impact Statement*.

VTrans and FHWA. June 24, 2005. *Statement of Purpose and Need for Circ-Williston Transportation Project*.

References for Screening Report Chapter 2 – Alternatives Screening Process Overview

Record of the Circ-Williston Transportation Project Public Forums on Alternatives Screening, June 28-30, 2005, available at www.circeis.org

References for Screening Report Chapters 3 and 4 and Addendum Chapter 4

Cambridge Systematics, Inc. August 2001. *Chittenden County Regional Freight Study*. Prepared for Chittenden County Metropolitan Planning Organization.

Chittenden County Metropolitan Planning Organization. August 2005. *Chittenden County Integrated Transportation and Land Use Model Documentation (Draft)*.

Chittenden County Metropolitan Planning Organization. January 2005. *Draft 2025 Chittenden County Metropolitan Transportation Plan*.

Chittenden County Metropolitan Planning Organization. Multiple dates. *CCMPO Traffic Count Data*.

Chittenden County Transit Authority (CCTA). June 2005. *Schedule and service information*. Available at CCTA website: www.cctaride.org

Cole, Chris (CCTA General Manager). June 2005. *Personal communication*.

DMJM + Harris. June 2005. *VT 15 Corridor Implementation Plan: Susie Wilson Road Planning Study*. Prepared for Chittenden County Metropolitan Planning Organization.

Dubois and King. January 14, 2005. *Interstate 89: Ramp Safety Improvement Project Exit 12 (Southbound)*. Prepared for VTrans.

Frank, Aaron and Meredith Birkett (CCTA Planning Department). June 2005. *Personal communications*.

- Insurance Institute for Highway Safety. March 2000. *Crash Reductions Following Installation of Roundabouts in the United States*.
- New York State Department of Transportation. Revision 5/00. *Accident Reduction Factor*.
- Smart Mobility. January 30, 2005. *Alternatives to the Chittenden County Circumferential Highway*. Prepared for the Vermont Smart Growth Collaborative.
- Transportation Research Board National Research Council. 2000. *Highway Capacity Manual*. Washington, D.C.
- Transportation Research Board National Research Council. 1986. *Multilane design Alternatives for Improving Suburban Highways*. NCHRP Report 282.
- Transportation Research Board National Research Council. 1997. *Capacity and Operational Effects of Midblock Left-Turn Lanes*. NCHRP Report 395.
- Transportation Research Board National Research Council. 1998. *Modern Roundabout Practice in the United States*. NCHRP Synthesis 264.
- U.S. Department of Transportation, Federal Highway Administration. 2000. *Roundabouts: An Informational Guide*. Publication No. FHWA-RD-00-067
- VTrans. Multiple dates. *Traffic Count Data*.
- VTrans. Revised 1998-2002. *Statewide Crash Rates*.
- VTrans. January 2003. *Traffic Impact Evaluation Study and Review Guide*.
- VTrans. 1998-2002. *High Crash Location Report*. Prepared by Program Development Division Highway Research Unit.
- Wilbur-Smith Associates. May 2002. *Land Use Transportation Index Guidelines*. Prepared for the Town of Williston.

References for Screening Report and Addendum Chapters 5 and Appendix A Baseline Environmental Inventory

General

The primary source of geographic information system (GIS) data for the baseline environmental inventory was the Vermont Center for Geographic Information (VCGI). Several databases maintained by VCGI were accessed in 2005 to develop the baseline GIS mapping, and these databases straddle several resource categories. Additional GIS data was obtained from the Chittenden County Municipal Planning Organization (CCMPO) and the Vermont Agency of Natural Resources (VANR).

Water Resources (Groundwater, Surface Water, Wetlands, Riparian Habitat/Significant Buffers, Floodplains)

Champlain Water District. 2005. *Water Quality 2001*.

- Chittenden County Regional Planning Commission. 2005. *Draft 2006 Chittenden County Regional Plan*.
- Chittenden County Regional Planning Commission. March 2002. *Stormwater and Water Quality in Chittenden County*.
- Chittenden County Regional Planning Commission. 2001. *2001 Chittenden County Regional Plan*.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. Laroe. 1979. *Classification of Wetlands and Deepwater Habitats of the United States*. U.S. Fish and Wildlife Biological Services Program. FWS/OBS-79/31.
- Lucht, Ashley, Vermont Agency of Natural Resources (VANR). July 14 and 25, 2005. *Personal communication*.
- Merrell, Kellie, VANR. July 14, 2005. *Personal communication*.
- Merrell, Kellie and Padraic Monks, VANR. July 14-15, 2005. *Personal communication*.
- Pientka, B., Vermont Department of Fish and Wildlife. July 14, 2005. *Personal communication*.
- Reed, P.B. 1998. *The Wetland Plant List of the State of Vermont*.
- State of Vermont Environmental Board. September 2003. *Act 250: A Guide to Vermont's Land Use Law*.
- United States Army Corps of Engineers. 1987. *Wetland Delineation Manual*.
- United States Army Corps of Engineers Environmental Laboratory. 1987. *Corps of Engineers Wetland Delineation Manual. Technical Report Y-87-1*.
- United States Army Corps of Engineers New England Division. October 1993. *The Highway Methodology Workbook: Integrating Corps Section 404 Permit Requirements with Highway Planning and Engineering and the NEPA EIS Process*.
- United States Code (USC). 33 USC Clean Water Act, Section 401. *Water Quality Certificate*.
- United States Code (USC). 33 USC Clean Water Act, Section 402. *National Pollutant Discharge Elimination System Permit*.
- United States Code (USC). 33 USC Clean Water Act, Section 404. *Guidelines for Specification of Disposal Sites for Dredged or Fill Material*.
- United States Code (USC). 33 USC 403. Section 10. *Rivers and Harbors Act of 1899*.
- U.S. Department of Agriculture Natural Resources Conservation Service. 1989. *Chittenden County Soil Survey*.
- Vermont Agency of Natural Resources. 2005. *Riparian Buffer Guidance*.
- Vermont Agency of Natural Resources. 2005. *Well Driller and Well Location Program*.

Vermont Center for Geographic Information. March 2005. *Vermont Significant Wetland Inventory*.

Vermont Department of Environmental Conservation. February 2005. *Groundwater Protection Rule and Strategy*.

Vermont Department of Environmental Conservation. 2004. *State of Vermont 2004 303(d) List of Waters*.

Vermont Department of Health Water Supply Division. 2001. *Source Protection Areas maps*.

Vermont Statutes Annotated (VSA). Title 10 VSA Chapter 47. *Vermont Water Pollution Control Act, Stormwater Discharge Permit*.

VSA. Title 10 VSA Chapter 41. *Regulation of Stream Flow, Stream Alteration Permit*.

VSA. Title 10 VSA Chapter 47, Section 1250. *Vermont Water Quality Policy*.

VSA. Title 10 VSA Chapter 18, Section 1264. *Vermont Stormwater Management Rule*.

VTrans. 1986. *Circumferential Highway Environmental Impact Statement*. (FHWA-VT-EIS-85-01-F).

Vermont Water Resources Board. January 1, 2002. *Vermont Wetland Rules*.

Geology and Soils

Eliasson, T., VTrans Materials and Research staff. July 20, 2005. *Personal communication*.

Chittenden County Regional Planning Commission. 2001. *2001 Chittenden County Regional Plan*.

Primary Agriculture Soil

Keibel, Peter (Vermont Environmental Board District 4). July 2005. *Personal communication*.

U.S. Congress. 1981. Public Law 97-98, Subtitle I of Title XV, Section 1539-1549. *Federal Farmland Protection Policy Act*.

U.S. Department of Agriculture Natural Resources Conservation Service. 2005. *Field Office Technical Guide, Chittenden County, Vermont*.

U.S. Department of Agriculture Natural Resources Conservation Service. 2005. *Soil Survey Manual – Chapter Six (Parts 3 of 4): Interpretations*.

U.S. Department of Agriculture Natural Resources Conservation Service. 2005. *Vermont Soil Interpretive Information – Soil Attribute Data – Databases & Reports*.

U.S. Department of Agriculture Natural Resources Conservation Service. 2003. *Farmland Classification Systems for Vermont Soils*.

VSA. Title 10 VSA Chapter 151. *Act. 250, Vermont Land Use and Development Law*.

VTrans. August 2001. *Environmental Operations Manual*.

Parks/Public and Private Conserved Lands

Boyden, Neal (Williston Recreation Department). July 2005. *Personal communication*.

Mad River Valley Chamber of Commerce. 2005. *Options for Land Conservation*.

Smecker, Sherry. January 2002. *The Recreation Trails Program: Enhancing Vermont's Trails*. Vermont Center for Geographic Information. December 2004. *Vermont Conserved Lands Database*. University of Vermont Montpelier Spatial Analysis Laboratory.

Vermont Housing and Conservation Board. 2005. *Conservation of Natural Areas, Recreational Land, and Historic Properties*.

Vermont Land Trust. 2005. *Interested in Conserving Your Farm? Here's How the Process Works*.

Vermont Land Trust. 2005. *Land Conservation: The Case for Perpetual Easements*.

VTrans. August 2001. *Environmental Operations Manual*.

Woodlands/Forest and Significant Habitat

Vermont Department of Fish and Wildlife. 2005. *Vermont Nongame and Natural Heritage Program (VNNHP)*.

VSA. Title 10 VSA Chapter 151. *Act. 250, Vermont Land Use and Development Law*.

Protected Species

Marshall, Everett., Vermont Nongame and Natural Heritage Program. 2005. *Personal communication*.

United States Code (USC). 1918 as amended. 16 USC 703-712. *Migratory Bird Treaty Act*.

U.S. Congress. 1973 as amended. Public Law 93-205. *The Endangered Species Act*.

Vermont Department of Fish and Wildlife. October 2003 Update. *Vermont Nongame and Natural Heritage Program (VNNHP)*.

VSA. Title 10 VSA Chapter 123. *Protection of Endangered Species*.

VSA. Title 10 VSA Chapter 151. *Act. 250, Vermont Land Use and Development Law*.

Archaeological and Historic Resources

Chittenden County Regional Planning Commission. 1998. *State Historic Districts Survey and Federal National Register of Historic Places Inventory*.

United States Code (USC). 1966 as amended. Public Law 89-665, 16 USC 470 et. seq. *National Historic Preservation Act of 1966*.

United States Code (USC). 1966 as amended. 49 USC Section 303(c). *United States Department of Transportation Act of 1966*. Implemented by regulations cited at 23 CFR Section 771.125.

University of Vermont Consulting Archaeology Program. Multiple dates. *Phase I Archaeology Surveys*.

VSA. Title 10 VSA Chapter 151. *Act. 250, Vermont Land Use and Development Law*.

VTrans. 1989. *Guidelines for Archaeological Studies*.

VTrans, FHWA, Advisory Council on Historic Preservation, Vermont Division of Historic Preservation. December 2000. *Statewide Section 106 Programmatic Agreement*.

Williston Planning Commission. January 2001. *2000 Williston Comprehensive Plan*.

Scenic Roads

Vermont Heritage Network: The University of Vermont Historic Preservation Program. 2005. *Rural Preservation: Shaping Vermont's Future; Methods for Managing Change*.

VTrans. 2005. *Vermont Byway Program*.

VTrans. August 2001. *Environmental Operations Manual*.

Hazardous Waste Sites/Facilities

Sanborn Fire Insurance Maps. November 1884 to November 1928. *Maps for Five Corners Intersection in Essex Junction, Vermont*.

State of Vermont. 2005. *Vermont Environmental Protection Rules, Chapters 7 and 8*.

Vermont Department of Environmental Conservation. June 2005. *RCRA Rep Handler List*.

Vermont Department of Environmental Conservation. June 2005. *Vermont Active Hazardous Waste Sites List*.

Vermont Department of Environmental Conservation. November 2004. *Vermont Closed Hazardous Waste Sites Database*.

Vermont Department of Environmental Conservation. September 2004. *Permitted Underground Storage Tank List*.

Community Facilities

Information about community facilities in the project corridors was obtained by the websites of the following facilities. Actual Internet URL addresses can be provided upon request.

Albert D. Lawton School
Allen Brook School
Champlain Valley Exposition & Fair Grounds
Chittenden Central S.U.
Discovery Museum

Dorothy Alling Memorial Library
Ed-U-Care Children's Center
Essex Community Education Center
Essex Elementary School
Essex Fire Department
Essex Free Library
Essex High School
Essex Junction Fire Department
Essex Junction Post Office
Essex Junction Wastewater Treatment Plant
Essex Middle School
Essex Public Works
Essex Town Clerk
Founders Memorial School
Hiawatha Public School
New England Culinary Institute
Park Street School
Saint Michaels Rescue Squad
Summit Street School
The Brownell Library
Town of Williston Clerk's Office
Williston Central School
Williston Fire Department
Williston Police Department

Additional information on churches obtained from <http://www.churchangel.com>

Populations/Communities of Concern

Census 2000 TIGER/LINE Data Website. 2005.

Federal Register Vol. 62 No. 72. April 1997. *U.S. Department of Transportation Order on Environmental Justice.*

Federal Register Vol. 59, No. 32. February, 1994. *Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations.*

U.S. Department of Commerce, Bureau of Census. 2005. *Census 2000 TIGER/LINE Data Website.* Available at http://arcdata.esri.com/data/tiger2000/tiger_download.cfm.

U.S. Department of Commerce, Bureau of Census. 2000. *U.S. Census of Population and Housing, SF1 and SF3 Data Tables.*

U.S. Department of Transportation, Federal Highway Administration and Federal Transit Administration. 2000. *An Overview of Transportation and Environmental Justice.* Publication No. FHWA-EP-00-013.

Noise

Code of Federal Regulations (CFR). 1970. *CFR Title 23 Part 772: Procedures for Abatement of Highway Traffic Noise and Construction Noise.*

Federal Highway Administration. 2005. *Traffic Noise Prediction Vehicle Emission Levels.*

Federal Highway Administration. 2005. *Traffic Noise Model 2.5 and Lookup Program*.

U.S. Department of Transportation, Federal Highway Administration, Office of Environment and Planning, Noise and Air Quality Branch. June 1995. *Highway Traffic Noise Analysis and Abatement Policy and Guidance*.

VTrans. August 2001. *Environmental Operations Manual*.

Air Quality

New England Climate Coalition. February 2005. *Getting on Track: New England's Rising Global Warming Emissions and How to Reverse the Trend*.

U.S. EPA. 2005. AirData Website. *2004 Monitor Value Report*.

U.S. EPA. Updated 2004. *CAL3QHC/CAL3QHCR Model*.

U.S. EPA. Amended 1997 and 2004. *National Ambient Air Quality Standards (NAAQS)*.

U.S. EPA. Amended 1997 and 2005. *Federal Conformity Rules, 40 CFR 51 and 93*.

U.S. EPA. 2003. *MOBILE 6.2 Emission Model*.

U.S. EPA. 1997. *AP-42 Emission Inventory*.

U.S. EPA. November 2000. *CO – How Carbon Monoxide Affects the Way We Live and Breathe*. Published by the Office of Air Quality Planning & Standards.

U.S. Congress. Amended 1975 and 1982. *National Environmental Policy Act of 1969 (NEPA)*.

U.S. Congress. 1990. *Clean Air Act Amendments (CAAA)*.

Vermont Air Pollution Control Division. 2004. *Vermont State Ambient Air Monitoring Systems*.

Vermont Air Pollution Control Division. February 1998. *Air Toxics Report*. Prepared by Vermont Toxicological Advisory Committee.

Vermont Air Pollution Control Regulation. 2004. *Subchapter XI Low Emission Vehicle Program*.

VTrans. August 2001. *Environmental Operations Manual*.

References for Addendum Chapter 6 – Accessibility Analysis of Alternatives

Chittenden County Regional Planning Commission. October 2001. *2001 Chittenden County Regional Plan*.

Chittenden County Metropolitan Planning Organization. August 2005. *Chittenden County Integrated Transportation and Land Use Model Documentation (Draft)*.

Chittenden County Metropolitan Planning Organization. 2005. *2025 Metropolitan Transportation Plan*.

Forkenbrock, David and Glen Weisbrod. 2001. *Guidebook for Assessing the Social and Economic Effects of Transportation Projects*. National Cooperative Highway Research Report 456, Transportation Research Board.

Hanson, Susan. 1995. *The Geography of Urban Transportation*. The Guilford Press, New York.

The Louis Berger Group, Inc. 1998. *Estimating the Indirect Effects of Proposed Transportation Projects*. National Cooperative Highway Research Report 403, Transportation Research Board.