

MIDVALLEY HIGHWAY DRAFT EIS REFERENCES

Chapter 1 – Purpose and Need

Department of Defense, 2002. *Transportation Infrastructure Requirements Study*. August 2003.

Tooele County, 1999. *Sheep Lane Study Report*. October 1999

Tooele County, 2003. *Tooele Valley Regional Long Range Transportation Plan*.

http://www.wfrc.org/cms/index.php?option=com_content&view=article&id=39&catid=24&Itemid=38

Tooele County, 2004. *Tooele County General Plan*. Chapter 13: Tooele County Transportation Plan

<http://www.co.tooele.ut.us/PDF/General%20Plan/Chapter%2013.pdf>

Tooele County, 2007. *Planned Development Map*.

Wasatch Front Regional Council, 2006. *Tooele Valley Regional Long Range Transportation Plan*. <http://wfrc.org/reports/Tooele%20Valley%20RPO%20Final%20Report.pdf>

Chapter 2 – Alternatives Considered

AASHTO, 2000. *Geometric Design of Highways and Streets*.

FHWA, 1987. *Guidance for Preparing and Processing Environmental and Section 4(f) Documents*.

Tooele City, 2001. *Transportation Master Plan*.

Tooele County, 2004. *Tooele County General Plan*. Tooele Valley Road Plan map found in Chapter 13. <http://www.co.tooele.ut.us/PDF/General%20Plan/Chapter%2013.pdf>

Utah Transit Authority, 2008. *Draft Tooele Transit Plan*.

Chapter 3 – Affected Environment, Environmental Consequences, and Mitigation

3.1 Transportation

Tooele City Community Development Department, 2001. *Tooele City Master Plan Right-of-Way Element*.

Tooele County, 2004. *Tooele County General Plan, Chapter 13: Tooele County Transportation Plan*.

<http://www.co.tooele.ut.us/PDF/General%20Plan/Chapter%2013.pdf>

United States Census Bureau, 2000. SF3, Detailed Tables, P26: Place of Work for Workers 16 Years and Over.

http://factfinder.census.gov/servlet/DTTable?_bm=y&-context=dt&-ds_name=DEC_2000_SF3_U&-CONTEXT=dt&-mt_name=DEC_2000_SF3_U_P026&-tree_id=403&-redoLog=false&-all_geo_types=N&-geo_id=05000US49045&-search_results=&-format=&-lang=en

Utah Transit Authority, 2008. *Tooele County Park and Ride Lots*. Retrieved September 2, 2008. <http://www.rideuta.com/ridingUTA/schedules/parkRideLots/tooele.aspx>.

Utah Transit Authority, 2008. *Draft Tooele Transit Plan*. January 2008.

Wasatch Front Regional Council, 2006. *Tooele Valley Regional Long Range Transportation Plan*. <http://wfrc.org/reports/Tooele%20Valley%20RPO%20Final%20Report.pdf>

3.2 Land Use

Cline, 2008. Personal communication, telephone conversation, with Nichole Cline, Senior Planner, Tooele County and Lani Eggertsen-Goff, PB. March 19, 2008.

Dymock, 2008. Personal communication, telephone conversation, with Butch Dymock, Director, Tooele County Division of Aging and Adult Services, and Lani Eggertsen-Goff, PB. September 2, 2008.

Erler, 2008. Personal communication, email, with Elise Erler, Project Manager, Planning & Development Group State of Utah School and Institutional Trust Lands administration, and Lani Eggertsen-Goff, PB. October 21, 2008.

Jorgensen, 2008. Personal communication with Richard Jorgensen, City of Tooele, Lani Eggertsen-Goff and Amanda Kirkendall, PB. May 15, 2008.

McCandless, 2008. Personal communication with Allen McCandless, Director of Salt Lake City International Airport Planning and Environmental, and Lani Eggertsen-Goff, PB. September 3, 2008.

Sant, Randy, 2008. Personal communication with Randy Sant, Tooele City Redevelopment, and Lani Eggertsen-Goff, PB. September 10, 2008.

Tooele City, 1998. *Tooele City General Plan, Land Use Element*. Accessed September 26, 2007. <http://www.tooelecity.org/pdfs/Community%20Development/TooeleCityLandUseMasterPlan04-30-07.pdf>

Tooele City, 2001. *Tooele City Master Plan Right-of-Way Element*.

Tooele City, 2007. City Maps and Street Name Index. Accessed September 26, 2007. <http://www.tooelecity.org/pdfs/Community%20Development/CityStreetMapJuly6'07.pdf>

Tooele City Community Development/Public Works Department. 2008. City Zoning GIS Data.

Tooele City Planning Department, 2008. *Subdivision Tracking Spreadsheet*.

Tooele County Engineering Department. 2009. County Parcel GIS Data.

Tooele County, 1995. *Tooele County General Plan, Chapter 10, Plan Implementation*. <http://www.co.tooele.ut.us/PDF/General%20Plan/Chapter%2010.pdf>

Tooele County, 2004. *Tooele County General Plan*, update. <http://www.co.tooele.ut.us/engtcgpl.htm>

Tooele County, 2007. Zoning Map Index. <http://www.co.tooele.ut.us/mapindex.htm>. Accessed September 26, 2007.

Wasatch Front Regional Council, 2006. *Tooele Valley Regional Long Range Transportation Plan*. <http://wfrc.org/reports/Tooele%20Valley%20RPO%20Final%20Report.pdf>

3.3 Agricultural Lands

- Christensen, 2008. Personal communication between Keith Christensen, Farm Service Agency and Lani Eggertsen-Goff, PB, February 1, 2008.
- Christensen, 2009. Personal communication between Keith Christensen, Farm Service Agency and Lani Eggertsen-Goff, PB, February 5, 2009.
- Fox, 2009. Personal communication between L. Robert Fox, The Church of Jesus Christ of Latter-Day Saints Real Estate Services Division and Chris Elison and Lani Eggertsen-Goff, PB, February 27, 2009.
- State of Utah, 2008A. Utah Agricultural Protection Act, Utah State Code 17-41, as amended 2008. Salt Lake City, Utah.
- State of Utah, 2008B. State of Utah Department of Agriculture and Food. Accessed May 22, 2008 <http://www.ag.utah.gov/pressrel/centfarm.html>
- Tooele County, 2008. Tooele County Engineering Department. Agriculture Protection Areas GIS Data.
- U.S. Department of Agricultural, Natural Resource Conservation Service, 1992. *Soil Survey of Tooele Area, Utah*.
- U.S. Department of Agricultural, Natural Resource Conservation Service (NRCS), 2005A. Personal communication, e-mail from Ray Grow, Utah NRCS, regarding Interpretation of Protected Farmlands, October 8, 2005.
- U.S. Department of Agricultural, Natural Resource Conservation Service (NRCS), 2005B. *1997 Results - Cropland Utah*. Accessed May 27, 2008. <http://www.ut.nrcs.usda.gov/technical/nri/1997resultscropland.html>
- U.S. Department of Agricultural, Natural Resources Conservation Service (NRCS), 2006. Tooele Area, Utah - Tooele County and Parts of Box Elder, Davis and Juab Counties Soil Survey Area, Tabular and Spatial Data. United States Department of Agriculture, Washington D.C.
- U.S. Department of Agricultural, Natural Resource Conservation Service (NRCS), 2009. Personal communication, e-mail from and telephone conversations with Kent Sutcliffe, Utah NRCS, regarding Interpretation of Protected Farmlands and Form CPA-106 completion, January and February, 2009.
- United States Code (USC), 1981. Farmland Protection Policy Act of 1981 (FPPA)—Subtitle I of Title XV, Section 17 1539-1549, Agriculture and Food Act of 1981 (Public Law 97-98), 7 U.S.C. 4201. Washington, D.C.

3.4 Social and Community Resources

- Federal Highway Administration, 1998. *Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*.
- Mountain West Medical Center, 2008. Our Services. <http://www.mountainwestmc.com/Our%20Services/Pages/Our%20Services.aspx>
- National Park Service, 1991. Land and Water Conservation Fund Grants-in-Aid Manual
- North Shore Fire Department, 2008. Station Information. http://www.nsfire.org/station_info.htm.

- Stansbury Park, 2008. Stansbury Park General Information.
<http://www.stansburypark.org>
- Tooele City, 2008a. Pratt Aquatic Center.
<http://www.tooelecity.org/citydepartments/prattaquaticcenter.asp>
- Tooele City, 2008b. Tooele City Fire Department.
<http://www.tooelecity.org/citydepartments/fire.asp>
- Tooele City, 2008c. Tooele City Parks and Recreation.
<http://www.tooelecity.org/citydepartments/parks.asp>
- Tooele City, 2008d. Tooele City Police Department.
<http://www.tooelecity.org/citydepartments/police.asp>
- Tooele City, 2008e. Tooele City Utilities.
<http://www.tooelecity.org/cityservices/utilities.asp>
- Tooele County, 2008a. Desert Peak Complex.
<http://desertpeakcomplex.com>
- Tooele County, 2008b. *Instructions for Submitting a Building Permit Application*.
<http://www.co.tooele.ut.us/PDF/Forms/BuildingPermitApplication.pdf>
- Tooele County Housing Authority, 2008. Personal conversation with Dan Christianson, Executive Director. October 23, 2008.
- Tooele County School District, 2008. Tooele County School District School Search.
<https://portal.tooelesd.org/webPages/Container.jsp?url=search.jsp&template=false>
- Transportation Research Board (TRB). 2004. *NCHRP Report 532: Effective Methods for Environmental Justice Assessment*. Prepared by the National Cooperative Highway Research Program.
- U.S. Census Bureau, 2000. Population and Housing Data. <http://factfinder.census.gov>
- Utah Department of Public Safety, 2008. Utah Highway Patrol.
<http://publicsafety.utah.gov/highwaypatrol/>
- U.S. Department of Transportation, 1997. *Order to Address Environmental Justice in Minority Populations and Low-Income Populations*.
- 3.5 Economics**
- Economic Development Corporation of Utah (EDCUtah), 2008. *Utah Taxes (Section 10 of the Utah Business & Economic Profile)*. URL: http://www.edcutah.org/files/Section10_Taxes.pdf
- Salt Lake County, 2008. Life in Salt Lake County.
<http://www.slco.org/life/life.html>
- State of Utah, 2008. *Economic Report to the Governor*. Prepared by the Council of Economic Advisors. January 2008.
- Tooele County, 2008. *Tooele County 2008 Budget*. January 2008.
- U.S. Census Bureau. 2000. Census 2000 Data.
<http://factfinder.census.gov>

USDA Census of Agriculture, 2002. Census 2002 Data.
<http://www.agcensus.usda.gov/>.

Utah Department of Workforce Services, 2005. *Population Profile, 2005*.
<http://jobs.utah.gov/opencms/wi/regions/central/tooele/tooeleprofile.pdf>

Utah Department of Workforce Services, 2007. Local Area Unemployment Statistics, 2007 Annual.
<http://jobs.utah.gov/opencms/wi/regions/central/tooele/tooeleyearly.pdf>.

Utah Department of Workforce Services, 2007. *Tooele County's Largest Employers, 2007*.
<http://jobs.utah.gov/opencms/wi/regions/central/tooele/tooeleme.pdf>.

Utah Metro, LLC., 2000. Tooele Demographics. <http://www.utahmetrollc.com/pdf/TooeleDemographics.pdf>.

Utah State University, 2005. Tooele County Agriculture Profile. 2005.
<http://extension.usu.edu/files/publications/Tooele%20county%20profile.pdf>

3.6 Pedestrian and Bicycle Concerns

Tooele County, 1995. *Tooele County General Plan*. <http://www.co.tooele.ut.us/engtcgpl.htm>

Tooele County, 1995. *Tooele County General Plan, Tooele County Trails Plan*.
<http://www.co.tooele.ut.us/PDF/General%20Plan/Chapter%2013.pdf>

Tooele County, 2007. *Tooele Valley Trails Master Plan*.

Wasatch Front Regional Council, 2006. *Tooele Valley Regional Long Range Transportation Plan*.
<http://wfrfc.org/reports/Tooele%20Valley%20RPO%20Final%20Report.pdf>

3.7 Air Quality

FHWA, 2006. *A Methodology for Evaluating Mobile Source Air Toxic Emissions Among Transportation Project Alternatives*.
<http://www.fhwa.dot.gov/environment/airtoxic/msatcompare/msatemissions.htm>

Health Effects Institute (HEI), 1999. *Diesel Emissions and Lung Cancer: Epidemiology and Quantitative Risk Assessment*. <http://pubs.healtheffects.org/getfile.php?u=282>

Health Effects Institute (HEI), 2007. *Special Report 16 – Mobile-Source Air Toxics: A Critical Review of the Literature on Exposure and Health Effects*.
<http://pubs.healtheffects.org/getfile.php?u=384>

National Cooperative Highway Research Program (NCHRP) Report, 2007. *Analyzing, Documenting, and Communicating the Impacts of Mobile Source Air Toxic Emissions in the NEPA Process* (NCHRP 25- 25 Task 18, March 2007,
[http://www.trb.org/NotesDocs/25-25\(18\)_FR.pdf](http://www.trb.org/NotesDocs/25-25(18)_FR.pdf)).

National Oceanic and Atmospheric Association, 2008. Climate data.
<http://www.noaa.gov/index.html>

State of Utah, Department of Environmental Quality. *State Implementation Plan*.

State of Utah, Utah Department of Transportation, 2003. *Air Quality Hot Spot Manual*
<http://www.udot.utah.gov/main/uconowner.gf?n=200309081521212>

- State of Utah, Utah Department of Transportation, 2008. *Statewide Transportation Improvement Plan*. <http://www.udot.utah.gov/main/f?p=100:pg:0:::V,T:40>
- U.S. Environmental Protection Agency, 2001. *Hazardous Air Pollutants from Mobile Sources* (66FR17229)
- U.S. Environmental Protection Agency, Office of Research and Development. 2002. *Health Assessment Document for Diesel Exhaust*, pp 8-15.
<http://www.epa.gov/risk/basicinformation.htm#g>
- U.S. Environmental Protection Agency, 2007. *Control of Emissions of Hazardous Air Pollutants from Mobile Sources* (40 CFR Parts 59, 80, 85, and 86).
- U.S. Environmental Protection Agency, 2008. *Natural Resources Defense Council v. Environmental Protection Agency*, No. 07-1053.
- U.S. Environmental Protection Agency, 2008. Office of Research and Development.
<http://epa.gov/airscience/quick-finder/particulate-matter.htm>
- Wasatch Front Regional Council, 2006. *Tooele Valley Regional Long Range Transportation Plan*. <http://wfrc.org/reports/Tooele%20Valley%20RPO%20Final%20Report.pdf>

3.8 Noise

- Council on Environmental Quality, 1970. Table on Noise Levels and Human Response.
- State of Utah, Utah Department of Transportation. 2008. Noise Abatement Policy 08A2-1.
<http://www.udot.utah.gov/main/uconowner.gf?n=200607050741401>

3.9 Geology, Soils, and Topography

- Black, B.D., Solomon, B.J., and Harty, K.M., 1999. Geology and geologic hazards of Tooele Valley and the West Desert Hazardous Industry Area, Tooele County, Utah: Utah Geological Survey Special Study 96, 65 p., scale 1:100,000.
- NRCS, 1992. Soil Survey of Tooele Area, Utah. USDA: Natural Resources Conservation Service.
- NRCS, 2006. Web Soil Survey *Tooele Area, Utah - Tooele County and Parts of Box Elder, Davis and Juab Counties* (UT611). Soil Maps Version 3, December 7, 2006 and Soil Data Version 4, December 7, 2006. Accessed July 3, 2008.
<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>
- Stokes, W., 1986. *The Geology of Utah*. Museum of Natural History, Occasional Paper No. 6, Salt Lake City.

3.10 Water Resources

- Brooks, Lynette, 2006. *Hydrology and Simulation of Ground-Water Flow, Lake Point, Tooele County*. http://pubs.usgs.gov/sir/2006/5310/PDF/sir2006_5310.pdf. U.S. Department of the Interior, U.S. Geological Service.
- Jorgensen, 2008. Personal communication with Richard Jorgensen, Tooele City and Lani Eggertsen-Goff, PB, April 11, and May 1, 2008,.
- Salt Lake County, 2000. *Stormwater Quality Data Technical Report*.
- State of Utah, Department of Environmental Quality, 2008.

U.S. Department of Transportation, Federal Highway Administration, 1990. *Pollutant Loadings and Impacts from Highway Stormwater Runoff*

U.S. Department of Transportation, Federal Highway Administration, 1996. *Retention, Detention, and Overland Flow for Pollutant Removal from Highway Stormwater Runoff*

3.11 Wetlands and Waters of the U.S.

Cowardin, L. M., V. Carter, F. C. Golet, and E. T. LaRoe, 1979. *Classification of Wetlands and Deepwater Habitats of the United States*. Washington, DC: U.S. Department of the Interior, Fish and Wildlife Service, Office of Biological Services.

Environmental Laboratory, 1987. *Corps of Engineers Wetlands Delineation Manual*. (Technical Report Y-87-1.) Vicksburg, MS: U.S. Army Engineer Waterways Experiment Station.

Johnson C., R. Pitts, L. Porreca, D. Frey, 2006. *UDOT Wetland Functional Assessment Method*. Utah Department of Transportation Research and Development Division and Environmental Division. Salt Lake City, Utah.

U.S. Army Corps of Engineers, 2006. *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region*. U.S. Army Engineer Research and Development Center, Vicksburg, MS.

U.S. Fish and Wildlife Service, 1988. *National List of Plant Species That Occur in Wetlands: Intermountain - Region 8*. URL: <http://www.fws.gov/nwi/bha/download/1988/region8.txt>.

3.12 Wildlife; Threatened, Endangered, and Candidate Species; Utah State Species of Concern

Tooele County, 1995. *Tooele County General Plan*. <http://www.co.tooele.ut.us/engtcgpl.htm>

U.S. Fish and Wildlife Service, 2002. *Birds of Conservation Concern 2002*. Arlington, VA: Division of Migratory Bird Management. <http://migratorybirds.fws.gov/reports/bcc2002.pdf>.

U.S. Fish and Wildlife Service, 2004. *Ute Ladies'-Tresses*. Accessed December 8, 2004. <http://mountain-prairie.fws.gov/species/plants/uteladiestress>.

Utah Division of Wildlife Resources, 2006. *Utah Sensitive Species List*.

3.13 Vegetation and Invasive Species

Caldwell, Jerry, 2008. Personal communication with Jerry Caldwell, Tooele County.

State of Utah, Department of Agriculture and Food, 2008. *Utah Noxious Weed List*. <http://ag.utah.gov/divisions/plant/noxious/documents/noxUtah.pdf>

U.S. Department of the Interior, Bureau of Land Management, 2005. *Salt Lake Field Office Fire Management Plan*. http://www.blm.gov/pgdata/etc/medialib/blm/ut/natural_resources/planning/fire_management_plans.Par.52414.File.dat/Salt%20Lake%20FMP%20EA%2011-05.pdf

3.14 Historic, Archaeological and Paleontological Resources

Stokes, W.L., 1988. *The Geology of Utah*. Museum of Natural History, Occasional Paper No. 6, Salt Lake City.

Strack, Don, 2007. Utah Rails.Net. Electronic documents. Accessed on November 29, 2007. <http://utahrails.net/index.php>.

Utah State Historic Preservation Office, 2007. *Reconnaissance Level Surveys, Standard Operating Procedures*.

Utah Department of Transportation, 2000. *UDOT Guidelines for Archaeological Survey and Testing*

3.15 Hazardous Materials

Environmental Data Resources, Inc., 2008. *EDR DataMap Environmental Atlas*. Tooele Midvalley Hwy EIS, Inquiry Number: 02352998.1r. November 4, 2008.

Mackenzie, 2008. Personal communication, email and telephone conversation, with Maryellen Mackenzie, U.S. Army Corps of Engineers and Lani Eggertsen-Goff, PB. November, 2008.

McFarland, 2008. Personal communication, email and in person meeting, with Larry McFarland, U.S. Army, Tooele Army Depot, and Lani Eggertsen-Goff, and Brianne Emery, PB. November, 2008.

Parsons Brinckerhoff, 2008. Site reconnaissance on December 9, 2008.

State of Utah, 2008. Personal communication between Bill Rees, State of Utah Department of Environmental Quality and Lani Eggertsen-Goff, PB, December 10, 2008.

U.S. Environmental Protection Agency. Facility Register System, Facility Detail Report. Accessed on December 8, 2008. http://oaspub.epa.gov/enviro/fii_query_dtl_disp_program_facility?pgm_sys_id_in=4904500013&pgm_sy s_acrnm_in=AIRS/AFS.

3.16 Visual Quality

Federal Highway Administration, 1988. *Visual Impact Assessment for Highway Projects*. Publication No. FHWA-HI-88-054. Washington, D.C.: Office of Environmental Policy.

3.17 Energy

Davis, S. C., and S.W. Diegel, 2003. *Transportation Energy Data Book*, 23rd Edition. Center for Transportation Analysis Engineering Science and Technology Division. Oak Ridge National Laboratory.

Davis, S. C., and S.W. Diegel, 2007. *Transportation Energy Data Book*, 26th Edition. Center for Transportation Analysis Engineering Science and Technology Division. Oak Ridge National Laboratory.



U.S. Department of Energy, 2005. *State Energy Consumption Estimates*. U.S. Department of Energy, Energy Information Administration.

U.S. Department of Labor, 2002. *Producer Price Index for Highway and Street Construction*. U.S. Department of Labor.

3.18 Construction Impacts

Federal Highway Administration, 2003. *Manual on Uniform Traffic Control Devices (MUTCD)* <http://mutcd.fhwa.dot.gov/>

3.19 Cumulative Impacts

Council on Environmental Quality, 1997. *Considering Cumulative Effects under the National Environmental Policy Act*.

Tooele County, 2007. *Planned development map*.

Chapter 4 – Section 4(f) Evaluation

Federal Highways Administration, 2005. *Guidance for Determining De Minimis Impacts to Section 4(f) Resources*.

Federal Highways Administration, 2005. *FHWA Section 4(f) Policy Paper*.

Tooele County, 1995. *Tooele County Trails Plan*.
<http://www.co.tooele.ut.us/PDF/General%20Plan/Chapter%2013.pdf>



This page intentionally left blank