11.0 References/Sources Used in Document Preparation

Note to Reader

The GIS data files and other electronic sources that are cited on figures throughout this EIR/EIS are not listed in this chapter.

Some sources cited in the author-date citations in the text are short forms. The short forms that are not easily identified and their corresponding full forms are listed below.

Authority. See California High-Speed Rail Authority.

DWR. See California Department of Water Resources.

EPA. See U.S. Environmental Protection Agency.

OEHHA. See California Office of Environmental Health Hazard Assessment.

S.0 Executive Summary

- Bureau of Transportation Statistics (BTS). 2010. "Table 4-11: Passenger Car and Motorcycle Fuel Consumption and Travel." Washington, DC: Bureau of Transportation Statistics, Research and Innovative Technology Administration (RITA). Information current as of April 26, 2010. Accessed May 31, 2011.
- California Department of Finance (CDOF). 2010. "E-5 Population and Housing Estimates for Cities, Counties and the State, 2001–2010, with 2000 Benchmark." March 2010.
- California Department of Transportation (Caltrans). 2009. 2008 California Motor Vehicle Stock, Travel and Fuel Forecast. June 2009.
- California High-Speed Rail Authority (Authority). 2007. California High-Speed Train Project, Fresno-Palmdale Region: Visalia-Tulare-Hanford Station Feasibility Study. Final Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA: California High-Speed Rail Authority, August 1, 2007. http://www.hsr.ca.gov/docs/programs/statewide_rail/proj_sections/Fresno_Bakersfield/Visalia_Tulare_Hanford_Station_Feasibility_Study_August_2007_.pdf
- ——. 2012. Bay Area to Central Valley High-Speed Train Partially Revised Final Program Environmental Impact Report (EIR). Sacramento, CA: California High-Speed Rail Authority, April 2012.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. *Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System.* Vol. 1, *Report.* Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. http://www.hsr.ca.gov/Programs/Environmental Planning/EIR EIS/index.html.
- ——. 2008. Bay Area to Central Valley High-Speed Train (HST) Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final. Volume 1. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2008.
 - http://www.hsr.ca.gov/Programs/Environmental_Planning/bay_area..



- San Joaquin Valley Regional Planning Agencies. 2009. "San Joaquin Valley Blueprint Update. April 2009. http://www.valleyblueprint.org. http://www.valleyblueprint.org/files/images/Blueprint__Brochure_July_2009-BL2.pdf
- U.S. Department of Transportation, Federal Highway Administration, Federal Transit
 Administration, Colorado Department of Transportation, and Regional Transportation
 District (USDOT et al.). 2007. US 36 Corridor Draft Impact Statement/Draft Section 4(f)
 Evaluation, Volume 1. Denver, CO: Colorado Department of Transportation, July 2007.

Chapter 1.0 Project Purpose, Need, and Objectives

- Airports Council International. 2010. *World Airport Traffic Report 2009*. August 2010. http://issuu.com/aciworld/docs/intro_for_issuu (accessed July 2010).
- Amtrak Government Affairs. 2008. *Amtrak Fact Sheet, Fiscal Year 2008, State of California*. Washington, DC: Amtrak, October 2008. http://www.amtrak.com/pdf/factsheets/CALIFORNIA08.pdf (accessed July 2010).
- Bureau of Transportation Statistics (BTS). 2010. "Summary Statistics. Origin Airport: Fresno, California." July 2010. http://www.bts.gov/xml/ontimesummarystatistics/src/ddisp/OntimeSummarySelect.xml?t name=OntimeSummaryOrigData (accessed August 22, 2013).
- ——. No date (n.d.). "Table 2-18, Motor Vehicle Fatalities, Vehicle-Miles, and Associated Rates by Highway Functional System." Washington, D.C.: U.S. Department of Transportation, Research and Innovative Technology Administration, Bureau of Transportation Statistics. Information current as of April 2010. http://www.bts.gov/publications/national_transportation_statistics/html/table_02_18.html (accessed January 2011).
- California Air Resources Board (CARB). 2008. Climate Change Scoping Plan. December 2008.
- ——. 2010. Greenhouse Gas Inventory Data-Graphs. Reviewed on May 28, 2010.
- California Department of Finance (CDOF). 2009. *Analysis of California Department of Finance Demographic Research Unit, Reports and Research Papers P3.* Sacramento, CA: CDOF, May 2009.
- ——. 2010. "E-5 Population and Housing Estimates for Cities, Counties and the State, 2001–2010, with 2000 Benchmark." March 2010.
- California Department of Food and Agriculture (CDFA). 2009. *California Agricultural Statistical Review, 2008–2009*. The California Agricultural Resource Directory. Sacramento, CA: CDFA, 2009.
- California Department of Transportation (Caltrans). 2008a. *San Joaquin Corridor Strategic Plan.* Sacramento, CA: Caltrans, March 2008.
- ——. 2008b. *California State Rail Plan, 2007–08 to 2017–18.* Sacramento, CA: Caltrans, March 2008.
- ——. 2009a. Route 99 Corridor Business Plan. Sacramento, CA: Caltrans, September 2009.
- ——. 2009b. 2008 California Motor Vehicle Stock, Travel and Fuel Forecast. June 2009.

- ——. 2009c. 2008 Annual Average Daily Truck Traffic on California State Highway System. Sacramento, CA: Caltrans, September 2009. http://trafficcounts.dot.ca.gov/truck2008final.pdf. 2010. "County Vehicle Miles Traveled, 2008." Sacramento, CA: Caltrans, Traffic Data Branch, 2008. http://traffic-counts.dot.ca.gov/ (accessed October 17, 2010). 2013a. San Joaquin Corridor: Service Development Plan. Final Submittal, May. Prepared by AECOM, with Cambridge Systematics, Inc., and Arellano Associates; http://californiastaterailplan.dot.ca.gov/docs/Final 2013 San Joaquin SDP.pdf, Last accessed March 17, 2014. 2013b. 2013 California State Rail Plan. May. Prepared by AECOM, with Cambridge Systematics, Inc., and Arellano Associates; http://californiastaterailplan.dot.ca.gov/docs/Final_Copy_2013_CSRP.pdf, Last accessed March 17, 2014. California Department of Transportation, San Joaquin Council of Governments, Stanislaus County of Governments, Merced County Association of Governments, Madera County Transportation Commission, Council of Fresno County Governments, Kings County Association of Governments, Tulare County Association of Governments, and Kern Council of Governments (Caltrans et al.). 2008. San Joaquin Valley Regional Goods Movement Action Plan. California Employment Development Department (CEDD). 2009. "Agricultural Employment in California." San Joaquin Valley Region. http://www.labormarketinfo.edd.ca.gov/LMID/Agricultural_Employment_in_California.ht ml (accessed October 17, 2010). ——. 2010. Labor Market Information. "Local Area Profile." http://www.labormarketinfo.edd.ca.gov/cgi/databrowsing/localAreaProQSSelection.asp? menuChoice-localAreaPro (accessed June 1, 2011). California High-Speed Rail Authority (Authority). 2012a. Bay Area to Central Valley High-Speed Train Partially Revised Final Program Environmental Impact Report (EIR). Sacramento, CA: California High-Speed Rail Authority, April 2012. ----. 2012b. California High-Speed Rail Program: Revised 2012 Business Plan. Sacramento, CA: California High-Speed Rail Authority, April 2012. http://www.hsr.ca.gov/About/Business_Plans/2012_Business_Plan.html. California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. http://www.hsr.ca.gov/Programs/Environmental_Planning/EIR_EIS/index.html.
- ——. 2008. Bay Area to Central Valley High-Speed Train (HST) Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final. Volume 1. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2008. http://www.hsr.ca.gov/Programs/Environmental_Planning/bay_area.html.
- California Highway Patrol. 2008. "California Quick Collision Facts." http://www.chp.ca.gov/switrs (accessed September 14, 2010).



- ——. 2010. Table 8A, "Collisions by County, City, and Road Classification 2008." Statewide Integrated Traffic Records System (SWITRS). http://www.chp.ca.gov/switrs/index.html (accessed October 17, 2010).
- California Office of the Governor. 2007. The Role of a Low Carbon Fuel Standard in Reducing Greenhouse Gas Emissions and Protecting Our Economy. January 9, 2007.
- Cambridge Systematics, Inc. 2007. *Bay Area/California High-Speed Rail Ridership and Revenue Forecasting Study: Statewide Model Validation*. Prepared for the Metropolitan Transportation Commission and the California High-Speed Rail Authority. July 2007. http://cdm15025.contentdm.oclc.org/cdm4/item_viewer.php?CISOROOT=/p266401coll4 &CISOPTR=1317&CISOBOX=1&REC=4.
- ——. 2010. California High-Speed Rail County-Level Growth Inducement Projections. Developed for use in regional environmental studies. July 2010.
- City of Fresno. 2012. Fresno-Yosemite International Airport Land Use Compatibility Plan. August 30. http://www.fresno.gov/planningdocs/Plans/FYI.pdf, Last accessed March 17, 2014.
- Council of Fresno County Governments (CFCG). 2004. *Final Conformity Analysis for 2007 Federal Transportation Improvement Plan.*
- ——. 2007. 2007 Regional Transportation Plan: The Long-Range Transportation Vision for the Fresno County Region for the Years 2007 to 2030. Fresno, CA: Council of Fresno County Governments, May 31, 2007. http://www.fresnocog.org/files/Planning/2007RTP/Fresno%20COG%202007%20RTP.pdf.
- ——. 2009. San Joaquin Valley Blueprint: Fresno County Progress Report. Fresno, CA: Council of Fresno County Governments, July 30, 2009. http://www.fresnocog.org/files/Blueprint/ProgressReport/Fresno%20County%20BP%20Document%20Revised%20Final%2007_27_09.pdf.
- ——. 2010a. Fresno Freight Rail Realignment Study: Administrative Draft Summary Report. Fresno, CA: Council of Fresno County Governments, January 2010. http://www.fresnocog.org/sites/default/files/publications/Fresno%20Freight%20Realignment%202010%2001%2012.pdf.
- ——. 2010b. *2011 Regional Transportation Plan: Long-Range Transportation Vision for the Fresno County Region for the Years 2010 to 2035.* Fresno, CA: Council of Fresno County Governments, July 29, 2010. http://www.fresnocog.org/rtp (accessed October 14, 2010).
- Cowan, Tadlock (Coordinator). 2005. *California's San Joaquin Valley: A Region in Transition.* Washington, DC: Congressional Research Service Report for Congress, Order Code RL33184, December 12, 2005.
- Federal Aviation Administration (FAA). 2010. *Passenger Boarding (Emplanement) and All Cargo Data for U.S. Airports.* http://www.faa.gov/airports/planning http://www.faa.gov/airports/planning capacity/passenger_allcargo_stats/passenger/index.com (accessed July 18, 2011).
- Federal Railroad Administration (FRA). 2009. *Vision for High-Speed Rail in America*. Washington, DC: FRA, April 2009.

- Federal Railroad Administration Office of Safety Analysis (FRA Office of Safety Analysis). 2010. "Office of Safety Analysis Home Page." Washington, DC: FRA Office of Safety Analysis, 2010. http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/crossing/xingqryloc.aspx (accessed October 25, 2010).
- Google Maps. 2010. Driving directions from Fresno, CA, to San Francisco, CA, and from Fresno, CA, to Los Angeles, CA. http://maps.google.com/maps?rls=com.microsoft:*&oe=UTF-8&startIndex=&startPage=1 (accessed September 10, 2010).
- Kern Council of Governments (Kern COG). 2010a. *Final Conformity Analysis for 2011 Federal Transportation Improvement Plan.* Bakersfield, CA: Kern COG, 2010. http://www.kerncog.org/images/docs/rtp/2011 RTP.pdf.
- ——. 2010b. *2011 Final Regional Transportation Plan.* Bakersfield, CA: Kern COG, July 15, 2010. http://www.kerncog.org/images/docs/rtp/2011_RTP.pdf.
- Kern County Board of Supervisors. 2006. *Airport Master Plan for Meadows Field Airport: Bakersfield, California.* Bakersfield, CA: Kern County Board of Supervisors, December 2006.
- Kings County Association of Governments (KCAG). 2010. Final Conformity Analysis for the 2011 Federal Transportation Improvement Program and 2011 Regional Transportation Plan. Hanford, CA: Kings County Association of Governments, adopted July 28, 2010. http://www.kingscog.org/assets/Final_Kings%20County%202011%20Conformity.pdf.
- ——. 2010. 2011 Kings County Regional Transportation Plan. Hanford, CA: Kings County Association of Governments, adoption July 28, 2010. http://www.kingscog.org/assets/2011%20RTP.pdf.
- Mays, John. 2008. "Runway Plan Dies Hopefully For Good." San Mateo Daily Journal. San Mateo, CA. February 29, 2008.
- Merced County Association of Governments. 2009. *San Joaquin Valley Express Transit Study.* May 2009. http://www.mcagov.org/publications/2009/SJVETSfinal.pdf.
- National Oceanic and Atmospheric Administration (NOAA). n.d. "When Fog Appears...Do You Know What to Do?" Provided by the National Weather Service, San Joaquin Valley. Hanford CA.
- Parsons Brinckerhoff. 2010. Estimates based on Cambridge Systematics, Inc., 2007 projections.
- Parsons Brinckerhoff, Cambridge Systematics, and SYSTRA. 2008. *California High-Speed Train Project Ridership and Revenue Forecasts*. http://www.cahighspeedrail.ca.gov/assets/0/152/198/30e065f8-419e-4d79-bd99-4eee8aafc106.pdf.
- Regional Airport Planning Committee. 2009. Regional Airport System Planning Analysis 2011 Update Volume 2: Major Airports. Oakland, CA. August 27, 2009. http://www.regionalairportstudy.com/library/RASPA-2011_update/Volume_2-Major_Reports.pdf.
- San Joaquin Valley Regional Policy Council. 2010. San Joaquin Valley Blueprint Public Review Draft Summary Report. September 2010.
- SH&E. 2009. "Alternative Strategies for Accommodating Future Aviation Demand." Presentation to the Regional Airport Planning Committee. New York, NY. November 20, 2009.



- Teitz T.B., C. Dietzel, and W. Fulton. 2005. *Urban Development Futures in the San Joaquin Valley*. San Francisco, CA: Public Policy Institute of California, 2005.
- The Planning Center/DC&E. 2012. San Joaquin Valley Demographic Forecasts 2010 to 2050. Prepared for Fresno Council of Governments on behalf of the eight San Joaquin Valley Regional Planning Organizations. March 27, 2012. http://www.valleyblueprint.org/files/San%20Joaquin%20Valley%20Demographic%20For ecasts%20-%20Final%2027%20Mar%202012_0.pdf, last accessed March 17, 2014.
- Thompson, Edward A. Jr. 2009. "California Agricultural Land Loss & Conservation: The Basic Facts." Washington, DC: American Farmland Trust, July 2009. http://www.farmland.org/documents/AFT-CA-Agricultural-Land-Loss-Basic-Facts_11-23-09.pdf.
- Tulare County Association of Governments (TCAG). 2007. Final Conformity Analysis for 2007. Federal Transportation Improvement Plan. Amendment 8.
- ——. 2010. *2011 Regional Transportation Plan.* Visalia, CA: TCAG, July 19, 2010. http://www.tularecog.org/DocumentCenter/View/41.
- United Airlines. 2010. United Airlines Round-Trip Airfare from Fresno to SFO, SFO to LAX, and Merced to Las Vegas. Chicago, IL: United Airlines, 2010. http://www.united.com/(accessed October 22, 2010).
- ——. 2012. United Airlines Round-Trip Airfare from Fresno to SFO, SFO to LAX, and Merced to Las Vegas. Chicago, IL: United Airlines, 2012. http://www.united.com/ (accessed March 2012).
- U.S. Department of Agriculture, Economic Research Service (USDA Economic Research Service). 2002. California Farm and Farm-related Employment, 2002. Washington, DC.
- U.S. Department of Commerce. 2010. "Local Area Personal Income." http://bea.gov/regional/reis/default.cfm?selTable=CA1-3§ion=2 (accessed June 2, 2011).
- U.S. Department of Transportation. 2003. *Air Travel Consumer Report.* December 2003. http://airconsumer.dot.gov/reports/2003/0312atcr.pdf.

Chapter 2.0 Alternatives

- Amtrak. 2008. *Connecting America: Safer, Greener, Healthier. Annual Report 2008.* Amtrak. http://www.amtrak.com/servlet/ContentServer/Page/1241245669222/1237608345018.
- ——. 2009. Monthly Performance Report for January 2009. Amtrak. http://www.amtrak.com/servlet/ContentServer/Page/1241245669222/1237608345018. March 9, 2009.
- Bremner-Harrison, Samantha, Brian L. Cypher, Craig M. Fiehler, Anthony P. Clevenger, and David Hacker. 2007. *Use of Highway Crossing Structures by Kit Foxes.* Report prepared for the California Department of Transportation. August 2007. http://www.westerntransportationinstitute.org/documents/reports/4W0610_Final_Report.pdf.
- BNSF Railway. 2010. "Line Capacity Planning: San Joaquin DT projects."



- FRESNO TO BAKERSFIELD SECTION DOCUMENT PREPARATION Bureau of Transportation Statistics (BTS), 2010. The Nation's Freight. Washington, DC: Research and Innovative Technology Administration, Bureau of Transportation Statistics. http://www.bts.gov/publications/freight_in_america/html/nations_freight.html (accessed October 22, 2010). California Department of Finance (CDOF). 2009. Analysis of California Department of Finance Demographic Research Unit, Reports and Research Papers P3. Sacramento, CA: CDOF, May 2009. ——. 2010. "E-5 Population and Housing Estimates for Cities, Counties and the State, 2001-2010, with 2000 Benchmark." http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2001-10/view.php (accessed October 25, 2010). California Department of Transportation (Caltrans). 2008a. California State Rail Plan, 2007-08 to 2017-18. Sacramento, CA: Caltrans, March 2008. ———. 2008b. San Joaquin Corridor Strategic Plan. Sacramento, CA: Caltrans, March 2008. California High-Speed Rail Authority (Authority). 2007. California High-Speed Train Project, Fresno-Palmdale Region: Visalia-Tulare-Hanford Station Feasibility Study. Final Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA: California High-Speed Rail Authority, August 1, 2007. http://www.hsr.ca.gov/docs/programs/statewide_rail/proj_sections/Fresno_Bakersfield/Vi salia_Tulare_Hanford_Station_Feasibility_Study_August_2007_.pdf.
- 2.2.4. Prepared by Parsons Brinckerhoff. Sacramento, CA: California High-Speed Rail Authority, May 16, 2008.
 ——. 2009a. Technical Memorandum: Station Program Design Guidelines, TM 2.2.2. Prepared by Parsons Brinckerhoff. Sacramento, CA, California High-Speed Rail Authority, April 10, 2009.
 ——. 2009b. Technical Memorandum: Alternatives Analysis Methods for Project EIR/EIS, Version 2. Sacramento, CA: California High-Speed Rail Authority, October 2009.

http://www.hsr.ca.gov/Programs/Environmental Planning/project level.html.

2008. Technical Memorandum: High-Speed Train Station Platform Geometric Design, TM

- ——. 2009c. *Technical Memorandum: Terminal and Heavy Maintenance Facility Guidelines, TM 5.1.* Prepared by Parsons Brinckerhoff. Sacramento: California High-Speed Rail Authority, August 25, 2009.
- ——. 2009d. Technical Memorandum: Summary Description of Requirements and Guidelines for: Heavy Maintenance Facility (HMF), Terminal Layup/Storage & Maintenance Facilities & Right-of-Way Maintenance Facilities, TM 5.3. Prepared by Parsons Brinckerhoff. Sacramento, CA: California High-Speed Rail Authority, August 25, 2009.
- ——. 2010b. Operations and Service Plan Summary, Draft California High-Speed Train EIR/EIS, Fresno to Bakersfield Section. Sacramento. December 27, 2010.
- ——. 2010c. Draft California High-Speed Rail Ridership and Revenue Model: Development, Application, and Project-Level EIR/EIS Forecasts. Sacramento. November 2010.

California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. http://www.hsr.ca.gov/Programs/Environmental_Planning/EIR_EIS/index.html.	
——. 2008. Bay Area to Central Valley High-Speed Train (HST) Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final. Volume 1. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2008.	
http://www.hsr.ca.gov/Programs/Environmental_Planning/bay_area.html.	
——. 2010a. Operations and Service Plan Summary, Draft California High-Speed Train EIR/EIS, Fresno to Bakersfield Section. Sacramento. December 27, 2010.	
——. 2010b. Fresno to Bakersfield Preliminary Alternatives Analysis Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, June 2010.	
——. 2010c. Fresno to Bakersfield Supplemental Alternatives Analysis Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, September 2010. http://www.hsr.ca.gov/Programs/Statewide_Rail_Modernization/Project_Sections/fresno_bakersfield.html.	
——. 2011a. Fresno to Bakersfield Section: Checkpoint B Summary Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, March 2011. http://www.hsr.ca.gov/Programs/Environmental_Planning/draft_fresno_bakersfield.html.	
——. 2011b. California High-Speed Train Project Environmental Impact Report / Environmental Impact Statement, Supplemental Alternatives Analysis Report: Fresno to Bakersfield Section. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2011. http://www.hsr.ca.gov/docs/brdmeetings/2011/May/brdmtg0511_fresbaker8_rpt.pdf.	
——. 2011c. California High-Speed Train Project Environmental Impact Report/Environmental Impact Statement, Working Draft, Supplemental Alternatives Analysis Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, December 2011. http://www.hsr.ca.gov/docs/brdmeetings/2011/December/brdmtg1211_agenda5_fresbak er_rpt.pdf.	
——. 2011d. California High-Speed Train Project Environmental Impact Report/ Environmental Impact Statement Ridership and Revenue Model: Development, Application, and Project- Level EIR/EIS Forecasts. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and Federal Railroad Administration, June 2011.	
Calthorpe Associates. 2011a. Vision California, Charting Our Future: Summary. March 9, 2011.	
——. 2011b. Vision California, Charting Our Future: Statewide Scenarios Report. June 26, 2011.	

- ——. 2011c. Vision California, Charting Our Future: Rapid Fire Model and Technical Summary. May 2011.
- Cambridge Systematics, Inc. 2012. Estimates for the No Project Alternative. June 22, 2012.
- City of Fresno. 2006. Fresno Yosemite International Airport Master Plan (AMP) Update. 2006.
- Council of Fresno County Governments (CFCG). 2008. 2007 Regional Transportation Plan: Amendment #2. Fresno, CA: Fresno COG, adoption January 29, 2008.
- ——. 2010a. 2011 Regional Transportation Plan: Long-Range Transportation Vision for the Fresno County Region for the Years 2010 to 2035. Fresno, CA: Council of Fresno County Governments, July 29, 2010. http://www.fresnocog.org/rtp (accessed October 14, 2010).
- ——. 2010b. Fresno Freight Rail Realignment Study: Administrative Draft Summary Report. Fresno, CA: Council of Fresno County Governments, January 2010. http://www.fresnocog.org/sites/default/files/publications/Fresno%20Freight%20Realignment%202010%2001%2012.pdf.
- Federal Aviation Administration (FAA). 2011. *Final Environmental Assessment and Environmental Impact Assessment Report, Improvements at Fresno Yosemite International Airport (FAT), Fresno, California, Volume 1.* Prepared for U.S. Department of Transportation, Federal Aviation Administration and City of Fresno. Fresno, CA. February 2011.
- Federal Railroad Administration, California High-Speed Rail Authority, U.S. Environmental Protection Agency, and U.S. Army Corps of Engineers. (FRA et al.). 2010. *Memorandum of Understanding: National Environmental Policy Act (42 U.S.C. 4321 et seq) and Clean Water Act Section 404 (33 U.S.C. 1344) and Rivers and Harbors Act Section 14 (33 U.S.C. 408) Integration Process for the California High-Speed Train Program.*Washington, DC: FRA, November 2010.
 http://www.hsr.ca.gov/docs/programs/eir_memos/Proj_Guidelines_NEPA404_408MOU.pdf.
- Federal Railroad Administration Office of Safety Analysis (FRA Office of Safety Analysis). 2010. "Office of Safety Analysis Home Page." Washington, DC: FRA Office of Safety Analysis, 2010. http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/crossing/xingqryloc.aspx (accessed October 25, 2010).
- Kern Council of Governments (Kern COG). 2010. 2011 Final Regional Transportation Plan. Bakersfield, CA: Kern COG, July 15, 2010. http://www.kerncog.org/images/docs/rtp/2011_RTP.pdf.
- Kern County Board of Supervisors. 2006. *Airport Master Plan for Meadows Field Airport: Bakersfield, California*. Bakersfield, CA: Kern County Board of Supervisors, December 2006.
- Kings County Association of Governments (KCAG). 2008. Kings County Final 2008 RTIP. January 2008.
- Navigant Consulting, Inc. 2008. *The Use of Renewable Energy Sources to Provide Power to California's High Speed Rail.* Prepared for the California High-Speed Rail Authority. Rancho Cordova, CA: Navigant Consulting, September 3, 2008. http://webcache.googleusercontent.com/search?q=cache:kE1zxNUeL_wJ:www.hsr.ca.gov/Programs/Green_Practices/operations.html+&cd=1&hl=en&ct=clnk&gl=us (accessed January 2011).



- Parsons Brinckerhoff. 2010. Estimates based on Cambridge Systematics, Inc., 2007 projections.
- Sulouff, D.H. 2011. Chief, Bridge Section, U.S. Coast Guard Island, Alameda, California. Memorandum regarding California High-Speed Rail Project, Merced to Bakersfield Section. Alameda, CA, to US Department of Transportation, and Federal Railroad Administration, Attention David Valenstein. June 21, 2011.
- Tulare County Association of Governments (TCAG). 2010. 2011 Regional Transportation Plan. Visalia, CA: TCAG, July 19, 2010. http://www.tularecog.org/DocumentCenter/View/41.
- U.S. Department of Transportation, Federal Highway Administration, Federal Transit
 Administration, Colorado Department of Transportation, and Regional Transportation
 District (USDOT et al.). 2007. US 36 Corridor Draft Impact Statement/Draft Section 4(f)
 Evaluation, Volume 1. Denver, CO: Colorado Department of Transportation, July 2007.
- Woods & Poole Economics, Inc. 2009. Summary Technical Description of the Woods & Poole Economics, Inc., 2010 Regional Projections and Database. Washington, DC: Woods & Poole, 2009. http://www.woodsandpoole.com.

Section 3.1 Introduction

- California High-Speed Rail Authority (Authority). 2012. *Bay Area to Central Valley High-Speed Train Partially Revised Final Program Environmental Impact Report (EIR)*. Sacramento, CA: California High-Speed Rail Authority, April 2012.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. *Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System.* Vol. 1, *Report.* Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005.
- ——. 2008. Bay Area to Central Valley High-Speed Train (HST) Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final. Volume 1. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2008.

Section 3.2 Transportation

- Bureau of Transportation Statistics. 2010. *The Nation's Freight*. Washington, DC: Bureau of Transportation Statistics, Research and Innovative Technology Administration, 2010. http://www.btsgov/publications/freight_in_america/ html/nations_freight.html (accessed October 22, 2010).
- California Department of Transportation (Caltrans). 2008a. *California State Rail Plan 2007-08 to 2017-18*. Sacramento, CA: Caltrans, March 2008. http://californiastaterailplan.dot.ca.gov/docs/SRP07_-_FINAL_Apprvd.pdf.
- ——. 2008b. San Joaquín Corridor Strategic Plan. Sacramento, CA: Caltrans, January 2008. http://149.136.20.80/rail/dor/assets/File/Report_Files/DRAFT_Report_Template_011008.pdf.
- ——. 2010a. Appendix K, "Level of Service Definitions." In: State Route 78/111 Draft Environmental Impact Report/Statement. Sacramento, CA: Caltrans, 2010. http://www.dot.ca.gov/dist11/news/brawley/appendix/APPENDIXK.pdf.

- 2010b. Goods Movement Annual Report, FY 2009-2010. Sacramento, CA: Caltrans District 11 Planning Division, 2010. http://www.dot.ca.gov/dist11/departments/planning/pdfs/systplan/21-District11GoodsMovementAnnualReportJuly2010.pdf.
 2012. California Manual on Uniform Traffic Control Devices. Sacramento, CA: Caltrans, 2012 edition. http://www.dot.ca.gov/hg/traffops/signtech/mutcdsupp/ca_mutcd2012.htm.
- California High-Speed Rail Authority. 2012. *California High-Speed Rail Program: Revised 2012 Business Plan.* Sacramento, CA: California High-Speed Rail Authority, April 2012.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005.
- ——. 2014. California High-Speed Train Project Environmental Impact Report/Environmental Impact Statement Fresno to Bakersfield: Transportation Analysis Technical Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2014.
- Cambridge Systematics, Inc. 2007. Bay Area/California High-Speed Rail Ridership and Revenue Forecasting Study: Statewide Model Validation. Prepared for the Metropolitan Transportation Commission and the California High-Speed Rail Authority. Oakland, CA: Cambridge Systematics, Inc., July 2007. http://cdm15025.contentdm.oclc.org/cdm4/item_viewer.php?CISOROOT=/p266401coll4 &CISOPTR=1317&CISOBOX=1&REC=4.
- ——. 2012. "Roadway Summary 20356 83%." Unpublished calculations prepared for California High-Speed Rail Authority. June 22, 2012.
- Capitol Corridor Joint Powers Authority (CCJPA). 2010. "Capitol Corridor Announces Steady Ridership Thanks to Successful Promotions and Stellar On-Time Performance." October 13, 2010. http://www.amtrakcapitols.com/news/press (accessed November 12, 2010).
- City of Bakersfield and Kern County. 2007. *Metropolitan Bakersfield General Plan.* December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/mbgptoc.pdf (accessed January 2011).
- ——. 2010. "Bikeway Master Plan." In: *Metropolitan Bakersfield General Plan.* Updated June 30, 2010. http://www.bakersfieldcity.us/weblink7/0/doc/991237/Electronic.aspx.
- City of Corcoran. 2007. *Corcoran General Plan 2025: Policies Statement*. Visalia, CA: Quad Knopf, March 19, 2007. http://www.cityofcorcoran.com/civica/filebank/blobdload.asp?BlobID=3439.
- City of Fresno. [2006] 2009. City of Fresno Traffic Study Report Guidelines. Originally adopted October 18, 2006; updated February 2, 2009. http://www.fresno.gov/NR/rdonlyres/7EECDFC9-9A80-4C3F-87C5-4EA86794DD5D/15313/TRAFFIC_IMPACT_STUDY_GUIDELINES_UPDATE2_2_2009forF.pdf.

- ——. 2010. City of Fresno Bicycle, Pedestrian, & Trails Master Plan. Prepared by Fehr & Peers. Fresno, CA: City of Fresno, 2010. http://www.fresno.gov/NR/rdonlyres/5DBFAA2D-5352-47D2-84BA-3A9BEDC99351/0/FresnoBMP.pdf.
- City of Fresno Planning and Development Department. 2002. 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf.
- City of Hanford. 2002. *City of Hanford 2002 General Plan Update*. Hanford, CA: City of Hanford, adopted June 18, 2002. http://www.ci.hanford.ca.us/depts/cd/planning/zoning and land use/general plan.asp.
- Council of Fresno County Governments (Fresno COG). 2010a. 2011 Regional Transportation Plan: Long-Range Transportation Vision for the Fresno County Region for the Years 2010 to 2035. Fresno, CA: Council of Fresno County Governments, adopted July 29, 2010. http://www.fresnocog.org/files/RTP/2011%20RTP%20Final/2011%20RTP%20Cover.pdf.
- ——. 2010b. Fresno Freight Rail Realignment Study: Administrative Draft Summary Report. Fresno, CA: Council of Fresno County Governments, January 2010. http://www.fresnocog.org/sites/default/files/publications/Fresno%20Freight%20Realignment%202010%2001%2012.pdf.
- Federal Highway Administration (FHWA). [2009] 2012. *Manual on Uniform Traffic Control Devices*. Originally Adopted December 16, 2009; updated May 14, 2012. http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/mutcd09r1r2editionhl.pdf.
- Golden Empire Transit District (GET). 2011. *Short Range Transit Plan FY 10/11-14/15*. Bakersfield, CA: Golden Empire Transit District, 2011. http://www.getbus.org/wp-content/uploads/2011/01/ShortRange.pdf (accessed June 2012).
- Hicks, Larry. 1994. "Capital-Bay Rail Link May Get a Face Lift." *Sacramento Bee*, Metro Section, March 31, 1994.
- Kern Council of Governments (Kern COG). 2010a. 2011 Final Regional Transportation Plan. Bakersfield, CA: KCOG, July 15, 2010. http://www.kerncog.org/images/docs/rtp/2011_RTP.pdf.
- ——. 2010b. "Congestion Management Program Element." In: 2011 Final Regional Transportation Plan. Bakersfield, CA: KCOG, July 15, 2010. http://www.kerncog.org/images/docs/rtp/2011_RTP.pdf.
- Kern County Planning Department. 2009. *Kern County General Plan*. Bakersfield, CA: Kern County Planning Department, September 22, 2009. http://www.co.kern.ca.us/planning/gpe.asp.
- Kings County Association of Governments (KCAG). 2010. 2011 Kings County Regional Transportation Plan. Hanford, CA: Kings County Association of Governments, adoption July 28, 2010. http://www.kingscog.org/assets/2011%20RTP.pdf.
- Kings County Community Development Agency. 2010. 2035 Kings County General Plan. January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html.Transportation Research Board (TRB). [2000] 2002. Highway Capacity Manual 2000. National Research Council.



Tulare County Association of Governments (TCAG). 2010. 2011 Regional Transportation Plan. Visalia, CA: TCAG, July 19, 2010. http://www.tularecog.org/DocumentCenter/View/41.

Section 3.3 Air Quality and Global Climate

Barber, Dan. 2010. Supervisor, San Joaquin Valley Air Pollution Control District (SJVAPCD). Phone conversation regarding SJVAPCD approach to addressing greenhouse gas emissions in California Environmental Quality Act (CEQA) documents with Andrea White, Air Quality Task Lead, Merced to Fresno Section, CH2M Hill, December 2010. ---. 2011. Supervisor, San Joaquin Valley Air Pollution Control District. Phone conversation regarding the significance threshold for particulate matter with a diameter of 2.5 microns or less (PM_{2.5}) with Avanti Tamhane, Air Quality Task Lead, Fresno to Bakersfield Section, URS Corporation, June 2011. Bay Area Air Quality Management District (BAAQMD). 2010. California Environmental Quality Act Air Quality Guidelines. San Francisco, CA: BAAQMD, May 2010. http://www.baagmd.gov/~/media/Files/Planning%20and%20Research/CEQA/Draft_BAA QMD_CEQA_Guidelines_May_2010_Final.ashx?la=en. California Air Resources Board (CARB). 2004. California State Implementation Plan (SIP): 2004 Revisions to the Carbon Monoxide Maintenance Plan. July 2004. —. 2007a. EMFAC2007/Version 2.30: Calculating Emission Inventories for Vehicles in California, User's Guide. April 2007. http://www.arb.ca.gov/msei/onroad/downloads/docs/user_guide_emfac2007.pdf (accessed August 2013). —. 2007b. Staff Report: California 1990 Greenhouse Gas Emissions Level and 2020 Limit. CARB, November 17, 2007. http://www.arb.ca.gov/cc/inventory/1990level/1990level.htm. —. 2008. Climate Change Scoping Plan: A Framework for Change. Pursuant to AB 32, the California Global Warming Solutions Act of 2006. CARB, December 2008. http://www.arb.ca.gov/cc/scopingplan/document/adopted_scoping_plan.pdf. 2010. In-Use Off-Road Diesel Fueled Fleets and LSI Staff Report: Initial Statement of Reasons (ISOR), Appendix D: OSM and Summary of Off-Road Emissions Inventory Update. October 2010. http://www.arb.ca.gov/regact/2010/offroadlsi10/offroadappd.pdf (accessed August 2013). —. 2011a. "Organic Chemical Profiles for Source Categories." http://www.arb.ca.gov/ei/speciate/dnldopt.htm (accessed May 2011). —. 2011b. "PM Speciation Profile for Source Categories." http://www.arb.ca.gov/ei/speciate/dnldopt.htm (accessed May 2011). ---. 2011c. Mobile Source Emission Inventory - Off-Road Motor Vehicles (OFFROAD Model

2011). May 2011. http://www.arb.ca.gov/msei/categories.htm#inuse_or_category

(accessed August 2013).

 2013. Ambient Air Quality Standards. June 4. Available at http://www.arb.ca.gov/research/aaqs/aaqs2.pdf.



2014b. California High-Speed Train Project Environmental Impact Report/Environmental Impact Statement Fresno to Bakersfield: Transportation Analysis Technical Report.

Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, July 2012

http://www.hsr.ca.gov/Programs/Environmental_Planning/revised_draft_fresno_bakersfie ld.html

- California Office of Environmental Health Hazard Assessment (OEHHA). 2003. *Air Toxics Hot Spots Program Risk Assessment Guidelines: The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments*. OEHHA, August 2003. http://www.oehha.ca.gov/air/hot_spots/HRAguidefinal.html#download.
- ——. 2012. *Air Toxics Hot Spots Program Risk Assessment Guidelines: Technical Support Document for Exposure Assessment and Stochastic Analysis.* Scientific Review Panel Draft. OEHHA, June 2012. http://www.oehha.ca.gov/air/hot_spots/TSDdraft062012.html.
- Cambridge Systematics, Inc. 2012. Transportation Technical Report. Statewide Summary Tables.
- Council of Fresno County Governments (CFCG). 2010a. 2011 Regional Transportation Plan: Long-Range Transportation Vision for the Fresno County Region for the Years 2010 to 2035. Fresno, CA: Council of Fresno County Governments, July 29, 2010. http://www.fresnocog.org/rtp.
- ——. 2010b. Conformity Analysis for Fresno County's 2011 Regional Transportation Plan and 2011 Federal Transportation Improvement Program. Fresno, CA: Council of Fresno County Governments, July 2010. http://www.fresnocog.org/conformity.
- Council on Environmental Quality (CEQ). 2010. "Draft NEPA Guidance on Consideration of the Effects of Climate Change and Greenhouse Gas Emissions." February 18, 2010. http://energy.gov/nepa/downloads/draft-nepa-guidance-consideration-effects-climate-change-and-greenhouse-gas-emissions.
- Dowling Associates, Inc. 2008. "Traffix 8.0." http://www.traffixonline.com/index.html (accessed March 2012).
- Federal Aviation Administration (FAA). 2009. *Emissions and Dispersion Modeling System (EDMS) User's Manual.* Version 5.1.2. Washington, DC: FAA, November 2009. http://www.faa.gov/about/office_org/headquarters_offices/apl/research/models/edms_m odel/media/EDMS%205.1.2%20User%20Manual.pdf (accessed August 2013).
- Federal Highway Administration (FHWA). 2006. "Memorandum: Information: Interim Guidance on Air Toxic Analysis in NEPA Documents." February 3, 2006.
- ——. 2009. "Memorandum: Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA Documents." September 30, 2009. http://www.fhwa.dot.gov/environment/air_quality/air_toxics/policy_and_guidance/aqintg_uidemem.cfm (accessed July 2010).
- ——. 2010. "A Methodology for Evaluating Mobile Source Air Toxic Emissions Among Transportation Project Alternatives." http://www.fhwa.dot.gov/environment/ air quality/air toxics/research and analysis/methodology/methodology00.cfm (accessed August 2010).
- ——. 2012. "Memorandum: Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA." December 6, 2012.

- http://www.fhwa.dot.gov/environment/air_quality/air_toxics/policy_and_guidance/aqintg uidmem.cfm (accessed August 2013).
- ——. 2003. Fresno County General Plan. Fresno, CA. March 25, 2003.
- Golden Empire Transit District (GET). 2010. "Welcome to Golden Empire Transit District the GET bus!" http://www.getbus.org/ (accessed May 25, 2011).
- Intergovernmental Panel on Climate Change (IPCC). 1997. *Stabilization of Atmospheric Greenhouse Gases: Physical, Biological and Socio-Economic Implications*. IPCC Technical Paper III. Geneva, Switzerland: IPCC, February 1997. http://www.ipcc.ch/pdf/technical-papers/paper-III-en.pdf.
- Kern County Planning Department. 2009. *Kern County General Plan*. Bakersfield, CA: Kern County Planning Department, September 22, 2009. http://www.co.kern.ca.us/planning/gpe.asp.
- Kern Council of Governments (KCOG). 2010a. 2011 Final Regional Transportation Plan. Bakersfield, CA: Kern COG, July 15, 2010. http://www.kerncog.org/images/docs/rtp/2011_RTP.pdf.
- ——. 2010b. Final Conformity Analysis for the 2011 Federal Transportation Improvement Program and 2011 Regional Transportation Plan. Bakersfield, CA: Kern COG, July 15, 2010. http://www.bakersfieldfreeways.us/documents/KernCOG2011Conformity.pdf.
- Kings County Association of Governments (KCAG). 2010a. 2011 Kings County Regional Transportation Plan. Hanford, CA: Kings County Association of Governments, adoption July 28, 2010. http://www.kingscog.org/assets/2011%20RTP.pdf.
- ——. 2010b. Final Conformity Analysis for the 2011 Federal Transportation Improvement Program and 2011 Regional Transportation Plan. Hanford, CA: Kings County Association of Governments, adopted July 28, 2010. http://www.kingscog.org/assets/Final_Kings%20County%202011%20Conformity.pdf (accessed October 2013).
- Kings County Community Development Agency. 2010. *2035 Kings County General Plan.* January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html.
- Mojave Desert Air Quality Management District (MDAQMD). 2012. MD ERC Registry Report. May 2012. http://www.mdaqmd.ca.gov/Modules/ShowDocument.aspx?documentid=3081.
- Rimpo and Associates. 2007. "URBEMIS Environmental Management Software." http://www.urbemis.com/ (accessed July 2010).
- Sacramento Metropolitan Air Quality Management District (SMAQMD). 2009. *Roadway Construction Emissions Model, v6.3.2, CEQA Tools*. Sacramento, CA: SMAQMD, 2009. http://www.airquality.org/ceqa/index.shtml (accessed July 2010).
- ——. 2013. Guide to Air Quality Assessment in Sacramento County. Sacramento, CA: SMAQMD, Revised April 2013. http://www.airquality.org/ceqa/cequguideupdate/TitlePageAndTOCFinal.pdf.
- San Joaquin Valley Air Pollution Control District (SJVAPCD). 2002. *Guide for Assessing and Mitigating Air Quality Impacts*. Fresno, CA: SJVAPCD, adopted August 20, 1998; revised January 10, 2002. http://www.valleyair.org/transportation/CEQA%20Rules/GAMAQI%20Jan%202002%20Rev.pdf.



- Shenson, David. 2010. Transportation Manager, County of Fresno Department of Public Works. Personal communication regarding transit fuels with Jodi Ketelsen, CH2M HILL, October 13, 2010.
- South Coast Air Quality Management District (SCAQMD). 1993. *CEQA Air Quality Handbook*. Updated November 1993. http://www.aqmd.gov/ceqa/oldhdbk.html.
- ——. 2006. *CEQA Air Quality Handbook*. Appendix A, Updated CEIDARS Table with PM2.5 Fractions. In: "Final Methodology to Calculate PM2.5 and PM2.5 Significance Thresholds." Updated October 2006. http://www.aqmd.gov/ceqa/handbook/PM2_5/finalAppA.doc.



----. 2008. Final Localized Significance Threshold Methodology. Revised July 2008. http://www.aqmd.gov/ceqa/handbook/lst/Method_final.pdf. ---. 2011. "Appendix A: Calculation Details for CalEEMod." February 2011. ——. 2012. "Twelve-Month Rolling Average Price of Compliance Years 2011 and 2012 NOx RTCs." April 2012 Quarterly Report to Stationary Source Committee. http://www.agmd.gov/reclaim/docs/2012-4_Avg_NOx_Price.pdf (accessed April 2012). Trafficware Ltd. 2004. Synchro 6. Product Details. http://trafficware.infopop.cc/synchro_details.htm (accessed August 2013). Tulare County. 2012. 2030 Update: Tulare County General Plan. February 2010. Tulare County Association of Governments (TCAG). 2010. 2011 Regional Transportation Plan. Visalia, CA: TCAG, July 19, 2010. http://www.tularecog.org/DocumentCenter/View/41. U.S. Environmental Protection Agency (EPA). 1999. "National-Scale Air Toxics Assessment." http://www.epa.gov/nata/. ----. 2004. User's Guide for the AMS/EPA Regulatory Model - AERMOD. EPA-454/B-03-001. Washington, DC: EPA, September 2004. http://www.epa.gov/scram001/7thconf/aermod/aermodugb.pdf. -. 2005. "Emission Facts: Greenhouse Gas Emissions from a Typical Passenger Vehicle." February 2005. http://www.epa.gov/otaq/climate/420f05004.htm (accessed October 25, 2010). 11.12, "Concrete Batching." Washington, DC: EPA, June 2006. http://www.epa.gov/ttn/chief/ap42/ch11/index.html. 2006b. "AP 42, Fifth Edition, Volume I, Chapter 13, Miscellaneous Sources." Chapter 13.2.4, "Aggregate Handling and Storage Piles." Washington, DC: EPA, November 2006. http://www.epa.gov/ttnchie1/ap42/ch13/final/c13s0204.pdf. ----. 2007. "Control of Hazardous Air Pollutants from Mobile Sources." Federal Register, Vol. 72, No. 37, page 8428. February 26, 2007. http://www.gpo.gov/fdsys/pkg/FR-2007-02-26/pdf/E7-2667.pdf. -. 2009a. "Emission Factors for Locomotives." EPA-420-F-09-025. Washington, DC: EPA, Office of Transportation and Air Quality, April 2009. http://www.epa.gov/nonroad/locomotv/420f09025.pdf. 2009b. "EPA Releases MOVES2010 Mobile Source Emissions Model: Questions and Answers." EPA-420-F-09-073. Washington, DC: EPA, Office of Transportation and Air Quality, December 2009. http://www.epa.gov/otag/models/moves/420f09073.pdf. 2009c. "California State Motor Vehicle Pollution Control Standards: Notice of Decision Granting a Waiver of Clean Air Act Preemption for California's 2009 and Subsequent Model Year Greenhouse Gas Emission Standards for New Motor Vehicles." Federal Register, Vol. 74, No. 129, page 32744, July 8, 2009.

http://edocket.access.gpo.gov/2009/pdf/E9-15943.pdf (accessed September 2010).

- ——. 2010a. "Greenhouse Gas Reporting Program." http://www.epa.gov/climatechange/emissions/ghgrulemaking.html (accessed December 17, 2010). 2010b. "Endangerment and Cause or Contribute Findings for Greenhouse Gases under Section 202(a) of the Clean Air Act." http://www.epa.gov/climatechange/endangerment.html (accessed September 12, 2010). ——. 2010c. Transportation Conformity Guidance for Quantitative Hot-spot Analyses in PM_{2.5} and PM₁₀ Nonattainment and Maintenance Areas. EPA-420-B-10-040. Washington, DC: EPA, Transportation and Regional Programs Division, December 2010. http://www.epa.gov/otag/stateresources/transconf/policy/420b10040.pdf. ---. 2011a. "Integrated Risk Information System." http://www.epa.gov/ncea/iris/index.htm (accessed May 24, 2011). ——. 2011b. "eGRID2010 Version 1.1: Year 2007 Summary Tables." http://www.epa.gov/cleanenergy/documents/egridzips/eGRID2010V1_1_year07_Summar yTables.pdf (accessed July 21, 2011). ——. 2011c. "EPA and NHTSA Adopt First-Ever Program to Reduce Greenhouse Gas Emissions and Improve Fuel Efficiency of Medium- and Heavy-Duty Vehicles." Washington, DC: EPA, Office of Transportation and Air Quality, August 2011. http://www.epa.gov/otag/climate/documents/420f11031.pdf (accessed August 2013). 2012. Motor Vehicle Emission Simulator (MOVES): User Guide for MOVES2010b. EPA-420-B-12-001b. Washington, DC: EPA, Assessment and Standards Division, June 2012. http://www.epa.gov/otag/models/moves/documents/420b12001b.pdf (accessed August 2013). ———. 2013. "Green Book." Carbon Monoxide Information. http://www.epa.gov/oagps001/greenbk/cindex.html (accessed August 2013).
- Villalvazo, Leland. 2014. Supervising Air Quality Specialist, SJVAPCD. Email correspondence with David Joe, Air Quality Engineer, regarding SJVAPCD significant impact levels. February 26, 2014.
- Watson, J.G. 1996. Effectiveness Demonstration of Fugitive Dust Control Methods for Public Unpaved Roads and Unpaved Shoulders on Paved Roads. DRI Document No. 685-5200.IF2. Prepared for San Joaquin Valley Unified Air Pollution Control District. August 2, 1996.

 http://www.academia.edu/2732998/Effectiveness_demonstration_of_fugitive_dust_control_methods_for_public_unpaved_roads_and_unpaved_shoulders_on_paved_roads.
- Western Regional Climate Center. 2009. "Fresno, California, Normals, Means, and Extremes." Historical Climate Information. http://www.wrcc.dri.edu/cgi-bin/clilcd.pl?ca93193 (accessed May 24, 2011).
- Willis, Jessica. 2010. Email communication from Jessica Willis, Air Quality Specialist, San Joaquin Valley Air Pollution Control District, to Cheri Velzy, Senior Air Quality Scientist, URS Corporation, August 4, 2010.

Section 3.4 Noise and Vibration

- California High-Speed Rail Authority (Authority). 2012. *California High-Speed Rail Program: Revised 2012 Business Plan.* Sacramento, CA: California High-Speed Rail Authority, April 2012. http://californiastaterailplan.dot.ca.gov/docs/1a6251d7-36ab-4fec-ba8c-00e266dadec7.pdf.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2012. Fresno to Bakersfield Section: Noise and Vibration Technical Report.

 Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC:
 California High-Speed Rail Authority and USDOT Federal Railroad Administration.

 http://www.hsr.ca.gov/Programs/Environmental_Planning/revised_draft_fresno_bakersfie
 Id.html.
- ——. 2013. 15% Record Set Fresno to Bakersfield Geologic and Seismic Hazard Report, California High-Speed Train Project Engineering. December 2013.
- Federal Highway Administration (FHWA). [2010] 2011. *Highway Traffic Noise: Analysis and Abatement Guidance.* Washington, DC: U.S. Department of Transportation, FHWA, June 2010, revised December 2010.
- Federal Railroad Administration (FRA). 2005. *High-Speed Ground Transportation Noise and Vibration Impact Assessment*. Washington, DC: U.S. Department of Transportation, FRA October 2005. http://www.fra.dot.gov/eLib/Details/L02562 (accessed January 2011).
- ——. 2012. *High-Speed Ground Transportation Noise and Vibration Impact Assessment.* Washington, DC: U.S. Department of Transportation, FRA September 2012.
- Federal Railroad Administration Office of Safety Analysis (FRA Office of Safety Analysis). 2010. "Office of Safety Analysis Home Page." Washington, DC: FRA Office of Safety Analysis, 2010. http://safetydata.fra.dot.gov/OfficeofSafety/Default.aspx (accessed October 25, 2010).
- Federal Transit Administration (FTA). 2006. *Transit Noise and Vibration Impact Assessment*. Report No. FTA-VA-90-1003-06. Washington, DC: U.S. Department of Transportation, FTA, Office of Planning and Environment, May 2006. http://www.fta.dot.gov/documents/FTA_Noise_and_Vibration_Manual.pdf.

Section 3.5 Electromagnetic Fields and Electromagnetic Interference

- American Conference of Governmental Industrial Hygienists (ACGIH). 1996. Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices. Cincinnati, OH.
- American National Standards Institute and Institute of Electrical and Electronics Engineers (ANSI/IEEE). 2006. IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz. IEEE Std C95.1-2005. April 19, 2006.
- California High-Speed Rail Authority (Authority). 2010a. EMC Program Plan. Prepared by Turner Engineering Corporation, September 2010.



- ——. 2010b. Draft Environmental Impact Report/Environmental Impact Statement Assessment of California High Speed Train Alignment Electromagnetic Field Footprint. Prepared by Turner Engineering, July 8, 2010. 2011a. Merced to Fresno Section Electromagnetic Fields Footprint Modeling Report. Prepared by AECOM CH2M Hill, January, 2011 —. 2011b. EMT Radio Frequency (RF) Spectrum Acquisition Strategy Technical Memorandum TM 300.03. Prepared by Parsons Brinckerhoff, May 4, 2011 ——. 2011c. Automatic Train Control and Radio Systems: Requirements, Solutions and Radio Frequency Spectrum Challenges Technical Memorandum TM 300.04. Prepared by Parsons Brinckerhoff, May 4, 2011 California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. TM 3.4.11. Prepared by CH2M HILL. March 2010. European Committee for Electrotechnical Standardization (CENELEC). 2006. Railway applications-Electromagnetic compatibility- Part 4: Emission and Immunity of the Signaling and Telecommunications Apparatus, July 2006. Electric Power Research Institute (EPRI). 2004. Electromagnetic Interference with Implanted Medical Devices, 1997–2003. March 2004. http://my.epri.com/portal/ server.pt?space=CommunityPage&cached=true&parentname=ObjMgr&parentid=2&contr ol=SetCommunity&CommunityID=221&PageIDgueryComId=0. Accessed September 11, 2010. ---. 2006. Power System and Railroad Electromagnetic Compatibility Handbook, Revised First Edition. Final Report, November 2006. Exponent, Inc. 2008. EMF and Dairy Cattle: Summary of Findings and Significance of Results, 420 Lexington Avenue, Suite 1740, New York, NY 10170. December 29, 2008. Federal Communications Commission, Office of Engineering and Technology (FCC). 1997. Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofreguency Electromagnetic Fields, OET Bulletin 65. Edition 97–01. August 1997. ----. Broadband Opportunities, Wireless Broadband Services. 2008. "Wireless Broadband Technologies." Last updated January 1, 2008. http://wireless.fcc.gov/outreach/index.htm?job=wireless. Accessed February 1, 2013.
- Federal Railroad Administration (FRA). 2006. EMF Monitoring on Amtrak's Northeast Corridor: Post-Electrification. Washington, DC: Department of Transportation. October 2006.
- Golder Associates Inc. 2009. EMF REPORT: A Review of the Current Scientific Literature on Health Effects of Electric and Magnetic Fields, submitted to Tom Stoops, Assistant Director, Oregon Department of Energy, November 23, 2009.



- Institute of Electrical and Electronics Engineers (IEEE). 2002. IEEE Standard for Safety Levels with Respect to Human Exposure to Electromagnetic Fields, 0 to 3 KHz. IEEE STD C95.6-2002. October 23, 2002.
- Savitz, D.A., H. Wachtel, F.A. Barnes, E.M. John, and J.G. Tvrdik. 1988. "Case Control Study of Childhood Cancer and Exposure to 60 Hz Magnetic Fields." American Journal of Epidemiology, Vol. 128, pp. 21–38.
- Severson, R.K., W.T. Kaune, D.B. Thomas, L. Heuser, S. Davis, and L.E. Sever. 1988. "Acute Nonlymphocytic Leukemia and Residential Exposure to Power Frequency Magnetic Fields." American Journal of Epidemiology, Vol. 128, pp. 10-20.

Section 3.6 Public Utilities and Energy

- Allen, Dan. 2011. Assistant City Manager, City of Wasco, Wasco, CA, Personal communication via email with Emma Rawnsley, URS Corporation, regarding water services, April 7, 2011.
- Allen, Gary, Supervising Environment Health Specialist at County of Fresno Department of Public Health. Personal Telephone communication. May 11, 2012.
- Authority. See California High-Speed Rail Authority.
- Boschman, Wilmar. 2010. General Manager, Semitropic Water Storage District, Wasco, CA.

 Personal communication via telephone with Antonio Molina, URS Corporation, regarding water storage and irrigation, July 7, 2010.
- Bureau of Transportation Statistics (BTS). 2010. "Table 4-23: Average Fuel Efficiency of U.S. Passenger Cars and Trucks." Washington, DC: Bureau of Transportation Statistics, Research and Innovative Technology Administration (RITA). Information dated September 10, 2010. http://www.bts.gov/publications/national_transportation_statistics/html/table_04_23.htm I. Accessed March 4, 2011.
- California Air Resources Board (CARB). 2010. "California Commits to More Clean Energy." http://www.arb.ca.gov/newsrel/newsrelease.php?id=155. Accessed June 2, 2011.
- California Department of Resources, Recycling, and Recovery (CalRecycle). 2010a. "California's Estimated Statewide Diversion Rates since 1995." Information provided per resident. Sacramento: CalRecycle. Last updated July 9, 2010. http://www.calrecycle.ca.gov/lgcentral/GoalMeasure/DisposalRate/Graphs/EstDiversion.htm. Accessed November 9, 2010.
- ——. 2010b. "California's Statewide per Resident, per Employee, and Total Disposal since 1995." Sacramento: CalRecycle. Last updated December 15, 2010. http://www.calrecycle.ca.gov/lgcentral/GoalMeasure/DisposalRate/Graphs/Disposal.htm. Accessed January 2011.
- ——. 2012. "Construction and Demolition (C&D) Diversion Informational Guide." http://www.calrecycle.ca.gov/LGCentral/Library/CandDModel/Default.htm. Accessed February 1, 2013.
- California Department of Toxic Substances (DTSC). 2007. "Commercial Offsite Hazardous Waste Facilities." http://www.envirostor.dtsc.ca.gov/public/commercial_offsite.asp. Accessed November 9, 2010.

- California Department of Transportation (Caltrans). 1997. *Policy on High and Low Risk Underground Facilities within Highway Rights of Way.* Appendix LL Utilities in *Project Development Procedures Manual.* January 1997. http://www.dot.ca.gov/hq/oppd/pdpm/pdpmn.htm.
- California Department of Water Resources (DWR). 2009. *California Water Plan Update 2009*. DWR Bulletin No. 160-09, Volume 3.
- California Energy Commission (CEC). 2000. California Energy Demand, 2000–2010. June 2000.
- ——. 2001. Base Case Forecast of California Transportation Energy Demand. December 2001.
- ——. 2007. 2007 Final Natural Gas Market Assessment. CEC-200-2007-009-SF.
- ——. 2010a. "Electricity Consumption by County." http://ecdms.energy.ca.gov/elecbycounty.aspx. Accessed June 2, 2011.
- ——. 2010b. *Summer 2010 Electricity Supply and Demand Outlook, Staff Report.* CEC-20-2010-003-SD. May 2010.
- California High-Speed Rail Authority (Authority). 2009. California High-Speed Train Project California Technical Memorandum Traction Power 2x25kV Autotransformer Electrification
 System and System Voltages. TM 3.1.1.1. May 26, 2009.———. 2011. Technical
 Memorandum: Hydraulics and Hydrology Design Guidelines, TM 2.6.5. Prepared by
 Parsons Brinckerhoff. Sacramento, CA: California High-Speed Rail Authority, May 23,
 2011. http://www.hsr.ca.gov/Programs/Environmental_Planning/project_level.html.
- ——. 2011. *Technical Memorandum: Hydraulics and Hydrology Design Guidelines*, TM 2.6.5. Sacramento, CA: California High-Speed Rail Authority. May 23, 2011.
- ——. 2012. Bay Area to Central Valley High-Speed Train Partially Revised Final Program Environmental Impact Report (EIR). Sacramento, CA: California High-Speed Rail Authority, April 2012.
- ——. 2013. Sustainability Policy. Policy Directive POLI-Plan-03.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. *Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System.* Vol. 1, *Report.* Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. http://www.hsr.ca.gov/Programs/Environmental_Planning/EIR_EIS/index.html.
- California Independent System Operator (ISO). 2009. "2009 Summer Loads and Resources Operations Preparedness Assessment." May 7, 2009. http://www.caiso.com/.
- California Water Service Company. 2010. "Your District." Bakersfield District. http://www.calwater.com/your_district/index.php. Accessed June 18, 2010).
- Center for Irrigation Technology. 2005. "Agricultural Pumping Efficiency Program." http://www.pumpefficiency.org/casestudies/AlpaughID.pdf. Accessed June 18, 2010.
- City of Bakersfield. 2007. *City of Bakersfield 2005 Urban Water Management Plan Update.*November. http://www.bakersfieldcity.us/cityservices/water/pdfs/URBAN_WATER_MANAGEMENT_PLAN.pdf.



- City of Bakersfield and Kern County. 2007. *Metropolitan Bakersfield General Plan.* December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/mbgptoc.pdf.
- City of Bakersfield Public Works Department. 2011a. "Treatment Plant 2" and "Treatment Plant 3." In "Wastewater." http://www.bakersfieldcity.us/cityservices/pubwrks/index.htm. Accessed March 4, 2011.
- City of Bakersfield Public Works Department. 2011b. "Wastewater Treatment Plant #3 Ribbon Cutting Ceremony."

 http://www.bakersfieldcity.us/cityhighlights/2010_ww_treatment_plant_ribboncutting/ind ex.htm. Accessed July 25, 2011.
- City of Corcoran. 2007. "Public Services and Facilities Element." In: *Corcoran General Plan 2025: Policies Statement.* Visalia, CA: Quad Knopf, adopted March 19, 2007. http://www.cityofcorcoran.com/civica/filebank/blobdload.asp?BlobID=3439.
- ——. 2010. "Wastewater." Corcoran, CA: City of Corcoran. http://www.cityofcorcoran.com/cityhall/pw/wastewater/default.asp. Accessed March 4, 2011.
- City of Fresno. 2007. "DPU Facilities Water Summary." Fresno, CA: City of Fresno Department of Public Utilities, Water Division. December 28, 2007. http://www.fresno.gov. Accessed June 11, 2010.
- ——. 2008a. *City of Fresno Final Urban Water Management Plan.* August 2008. http://wwwdwr.water.ca.gov/irwm/grants/docs/Archives/Prop1E/Submitted_Applications/P1E_Round1_SWFM/City%20of%20Fresno/Att3_SWF_WorkPlan_2of5.pdf.
- ——. 2008b. City of Fresno: Zero Waste Strategic Action Plan. February 11, 2008. http://www.fresno.gov/NR/rdonlyres/9112A6F3-33A3-428E-9762-6EBC0E0523B7/0/ZeroWasteStrategicActionPlan.pdf.
- ——. 2009a. "About Wastewater Management." http://www.fresno.gov/Government/DepartmentDirectory/PublicUtilities/Wastewater/AboutWastewater/default.htm. Accessed March 9, 2010.
- ——. 2009b. "American Avenue Landfill." http://www.fresno.gov/Government/DepartmentDirectory/PublicUtilities/SolidWaste/Additional+Services/Landfill.htm. Accessed March 9, 2010.
- ——. 2009c. City of Fresno Sewer System Management Plan. Fresno, CA: City of Fresno Department of Public Utilities, Sewer Management Division. http://www.fresno.gov/NR/rdonlyres/F1210A6A-A86D-4D73-A946-8AE214D47B74/0/CityofFresno2009SSMP.pdf.
- ——. 2010. "Groundwater Recharge." http://www.fresno.gov/Government/DepartmentDirectory/PublicUtilities/ Watermanagement/GroundwaterRecharg.htm. Accessed July 2, 2010.
- ——. 2011. "About Wastewater Management." http://www.fresno.gov/Government/DepartmentDirectory/PublicUtilities/Wastewater/AboutWastewater/default.htm. Accessed July 25, 2011.

- ——. 2012. City of Fresno 2010 Urban Water Management Plan. Prepared by West Yost Associates. Fresno CA, November 2012. http://www.fresno.gov/NR/rdonlyres/3795B9BD-E030-492D-8215-1A6654C1D932/0/TextFinal2010CityofFresnoUWMPNovember2012.pdf.
- City of Fresno Planning and Development Department. 2002a. "Public Facilities Element." In: 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf.
- ——. 2002b. "Resource Conservation Element." In: 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf.
- City of Hanford. 2002. "Public Facilities and Services Element." In: *City of Hanford 2002 General Plan Update*. Hanford, CA: City of Hanford, adopted June 18, 2002. http://www.ci.hanford.ca.us/depts/cd/planning/zoning_and_land_use/general_plan.asp.
- ——. 2006. 2005 Urban Water Management Plan. March. Prepared by Carollo Engineers.
- City of Hanford Public Works Department. 2010a. "Wastewater Treatment Plant." http://www.ci.hanford.ca.us/depts/pw/wastewater/default.asp.
- ——. 2010b. "Public Works Department. Water Information." http://www.ci.hanford.ca.us/depts/pw/utilities/water.asp. Accessed June 15, 2010.
- City of Shafter City of Shafter. 2005. *City of Shafter General Plan.* Prepared by LSA Associates, Inc. Shafter, CA: City of Shafter, April 2005. http://shafter.com/DocumentCenter/Home/View/242.
- City of Wasco. 2010. *City of Wasco General Plan.* Adopted October 2002; last updated June 2010. http://www.ci.wasco.ca.us/Public_Documents/WascoCA_Planning/S0265498B-02B11703.
- County of Fresno. 2000. "Public Facilities and Services Element." *Fresno County General Plan.* October 3, 2000. http://www.co.fresno.ca.us/.
- DOE. See U.S. Department of Energy.
- Electric Power Group, LLC. 2004. *California's Electricity Generation and Transmission Needs Under Alternative Scenarios*. March 2004.
- Fresno Irrigation District. 2009. "Upgrade Work Again Shows Rapid Progress." April 2009. http://www.fresnoirrigation.com/engineering.html. Accessed June 11, 2010.
- Fresno Metropolitan Flood Control District (FMFCD). 2004. "Flood Control System." http://www.fresnofloodcontrol.org/flood_control_system/index.html. Accessed March 4, 2011.
- ——. n.d. Strategic Plan. http://www.fresnofloodcontrol.org/About%20Us/strategic_plan.pdf. Accessed August 12, 2010.
- Gianquinto, Jason. 2012. Deputy General Manager, Semitropic Water Storage District. Personal communication via telephone with John Chamberlain, URS Corporation, regarding water storage and irrigation, February 7, 2012.

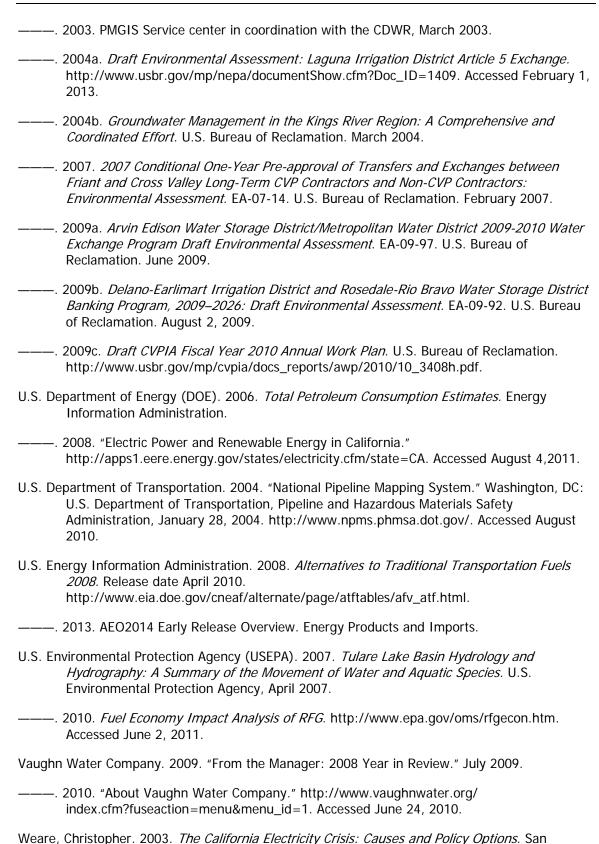


- ISO. See California Independent System Operator.
- Jahnke, Keith. 2012. Telephone communication with Keith Jahnke, Environmental Health Specialist III at Tulare County Health and Human Services Agency and Garg, Tina, URS Regarding Solid Waste Landfill. May 11, 2012.
- Kern County Planning Department. 2009a. "Energy Element." In: *Kern County General Plan.*Bakersfield, CA: Kern County Planning Department, September 22, 2009.
 http://www.co.kern.ca.us/planning/gpe.asp.
- ——. 2009b. "Land Use, Open Space, and Conservation Element." In: Kern County General Plan. Bakersfield, CA: Kern County Planning Department, September 22, 2009. http://www.co.kern.ca.us/planning/gpe.asp.
- Kern County Waste Management Department. 2005. "Types of Facilities Operated." Bakersfield, CA: Kern County Waste Management Department. June 7, 2005. http://www.co.kern.ca.us/wmd/Services/Facilities/facilities.html. Accessed November 9, 2010.
- ——. 2006. "Sewers: Who We Are." Bakersfield, CA: Kern County Waste Management Department. March 3, 2006. http://www.co.kern.ca.us/wmd/services/Sewers-Who_We_Are/sewers-who_we_are.html#top. Accessed March 9, 2010.
- Kern County Water Agency. 2010. "Improvement District No. 4 Overview." Bakersfield, CA: Kern County Water Agency. http://www.kcwa.com/about_kcwa/id4.shtml. Accessed November 9, 2010.
- n.d. Treated Water Capacity Expansion Project, Improvement District No. 4. Brochure. Fresno: Kern County Water Agency. http://www.kcwa.com/TWCEP-trifold.pdf. Accessed June 18, 2010.
- Kings County. 1995. *Kings County Countywide Integrated Waste Management Plan.* Kings County, CA: EBA Wastechnologies. April 1995. http://www.countyofkings.com/planning/Plan/kcwmpp.pdf.
- Kings County Community Development Agency. 2010. *2035 Kings County General Plan.* January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html.
- Kings River Conservation District (KRCD) and Kings River Water Association (KRWA). 2009. *The Kings River Handbook*. September 2009.
- LaMar, John. 2010. District Manager, North of River Sanitary District, Bakersfield, CA. Personal communication via telephone with John Chamberlain, URS Corporation, regarding wastewater treatment capacity, August 3, 2010.
- Lower Tule River Irrigation District. 2009. "Fact Sheet." 2006–2009. http://www.ltrid.org/district_organization/news_articles/fact_sheet.php. Accessed June 15, 2010.
- Madruga, Becky. 2010. Treasurer/Assessor/Tax Collector/Office Manager, Lakeside Irrigation Water District, Hanford, CA. Personal communication via telephone with Mr. John Chamberlain, regarding water storage and irrigation, July 2, 2010.
- MWH. 2003. *Initial Environmental Study Negative Declaration for the Transfer of State Water Project Table A Water from Tulare Lake Basin Water Storage District to Coachella Valley Water District.* Prepared for Coachella Valley Water District. Pasadena, CA: MWH.



- November 2003. http://www.cvwd.org/news/publicinfo/ Initial_Environmental_Study_Negative_Declaration_2003_November.pdf.
- National Renewal Energy Laboratory (NREL) 2011. *California High Speed Rail Authority Strategic Energy Plan*, December 2011.
- Navigant Consulting, Inc. 2008. The Use of Renewable Energy Sources to Provide Power to California's High Speed Rail. Prepared for the California High-Speed Rail Authority. Rancho Cordova, CA: Navigant Consulting, September 3, 2008. http://webcache.googleusercontent.com/search?q=cache:kE1zxNUeL_wJ:www.hsr.ca.gov/Programs/Green_Practices/operations.html+&cd=1&hl=en&ct=clnk&gl=us (accessed January 2011).
- Nidever, Seth. 2010. "Wastewater-to-Crops Idea Bubbling Up." *Hanford Sentinel*. January 17, 2010. http://www.hanfordsentinel.com/news/article_bb3eb7a6-34d9-5797-a227-fa16e20e40ee.html.
- O'Rullian, Bill. 2012. Email communication with Bill O'Rullian, REHS, Solid Waste Program Supervisor, Kern County Environmental Health, and Garg, Tina, URS Corp., regarding tonnage reports. May 11, 2012.
- Pacific Gas and Electric Company (PG&E). 2009. "Company Profile: Pacific Gas and Electric Company." http://www.pge.com/about/company/profile/.
- Parsons Brinckerhoff eMT Traction Power Load modeling
- Platts. 2009. "Electric Transmission Lines." http://www.platts.com. Accessed August 9, 2010.
- ——. 2010. "PowerMap." http://www.platts.com. Accessed August 3, 2010.
- Pryor, Marc, Lynn Marshall, Christopher McLean, and Jim Woodward. 2010. *Summer 2010 Electricity Supply and Demand Outlook*. California Energy Commission, Electricity Supply Analysis Division. CEC-20-2010-003-SD. May 2010.
- Rizo, Fernando. 2010. Administrative Services Manager, North Kern Water Storage District, Bakersfield, CA. Personal communication via telephone with John Chamberlain, URS Corporation, regarding water storage and irrigation, July 7, 2010.
- SCE. See Southern California Edison.
- Semitropic Water Storage District. 2004. "About Us." Wasco, CA. http://www.semitropic.com/AboutUs.htm. Accessed June 29, 2010.
- Southern California Edison (SCE). 2009. "Company Overview." Southern California Edison. http://www.sce.com/AboutSCE/CompanyOverview/.
- Tulare County. 2012. *Tulare County General Plan 2030 Update*. Revised draft. February 2010. http://generalplan.co.tulare.ca.us/documents/GeneralPlan2010/GeneralPlan2030Update. pdf.
- U.S. Bureau of Reclamation (USBR). 2000a. *Cross Valley Contractors Long-Term Contract Renewal Environmental Assessment.* Draft. U.S. Bureau of Reclamation. October 11, 2000.
- ——. 2000b. *Friant Division Long-Term Contract Renewal Environmental Assessment*. Draft. U.S. Bureau of Reclamation. October 11, 2000.





Francisco: Public Policy Institute of California.

- Western Electricity Coordinating Council (WECC). 2008. 2008 Power Supply Assessment. Western Electricity Coordinating Council.
- Zetz, Eric. Voicemail from Eric Zetz, Solid Waste Manager at City of Clovis on May 11, 2012.

Section 3.7 Biological Resources and Wetlands

- Avian Power Line Interaction Committee (APLIC). 2006. Suggested Practices for Raptor Protection on Power Lines: The State of the Art in 1996. Washington, DC, and Sacramento, CA: Edison Electric Institute, APLIC, and California Energy Commission, 2006. http://www.dodpif.org/downloads/APLIC_2006_SuggestedPractices.pdf.
- ——. 2012. Reducing Avian Collisions with Power Lines: The State of the Art in 2012.
 Washington, DC: Edison Electric Institute. Washington, DC: Edison Electric Institute and APLIC, October 2012.
 http://www.aplic.org/uploads/files/11218/Reducing_Avian_Collisions_2012watermarkLR.pdf.
- Beier, P., and R.F. Noss. 1998. "Do Habitat Corridors Provide Connectivity?" *Conservation Biology* 12(6): 1241–1252.
- Bennett, Andrew F. [1999] 2003. *Linkages in the Landscape: The Role of Corridors and Connectivity in Wildlife Conservation*. 2d ed. Gland, Switzerland and Cambridge, UK: IUCN, first published 1999, second ed. 2003. http://app.iucn.org/dbtw-wpd/edocs/fr-021.pdf.
- Bing Maps (Bing). 2010. Microsoft Corporation and its data suppliers. http://www.bing.com/maps (accessed November 2011).
- Bureau of Land Management (BLM). 2011. "Atwell Island Land Retirement Demonstration Project." September 30, 2011. http://www.blm.gov/ca/st/en/fo/bakersfield/Programs/atwell_island.html (accessed February 1, 2013).
- California Department of Fish and Game (CDFG) 1988. *A Guide to Wildlife Habitats of California*. Edited by Kenneth E. Mayer and William F. Laudenslayer, Jr. http://www.dfg.ca.gov/biogeodata/cwhr/wildlife_habitats.asp.
- ——. 1994. Staff Report Regarding Mitigation for Impacts to Swainson's Hawks (Buteo swainsoni) in the Central Valley of California. Sacramento, CA: CDFG, November 8, 1994. http://www.dfg.ca.gov/wildlife/nongame/docs/DFG-1994SWHAStaffReportMitigation.pdf.
- ——. 2000. Guidelines for Assessing the Effects of Proposed Projects on Rare, Threatened, and Endangered Plants and Natural Communities. Sacramento, CA: CDFG, revised May 8, 2000.
 - http://www.slocounty.ca.gov/Assets/PL/environmental/CDFG_botanical_survey_guideline s.pdf.
- ——. 2004. Approved Survey Methodology for the Blunt-Nosed Leopard Lizard. Habitat Conservation Planning, San Joaquin Valley Southern Sierra Region. Sacramento, CA: CDFG, Revised May 2004.
 - http://www.dfg.ca.gov/wildlife/nongame/docs/BNLLrevisedprotocol.pdf.



 [2009] 2011. Central Valley Biological Resources and Wetland Survey Plan. Prepared by URS/HMM/Arup Joint Venture with technical assistance from Parsons/ICF and

AECOM/CH2M HILL Joint Venture. Sacramento, CA, and Washington, DC: California High-



- City of Bakersfield and Kern County. 1994. *Metropolitan Bakersfield Habitat Conservation Plan*.

 Technical assistance by Thomas Reid Associates with Quad Consultants and Tierra Madre Consultants, April 1994. http://www.co.kern.ca.us/planning/pdfs/MetroBakHCP.pdf (accessed August 2010).
- 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, and Jamestown, ND: Northern Prairie Wildlife Research Center Online. http://www.npwrc.usgs.gov/resource/wetlands/classwet/index.htm (Version 04DEC1998) (accessed March 2010).
- Crooks, K.R., C.L. Burdett, D.M. Theobald, C. Rondinini, and L. Boitani. 2011. "Global Patterns of Fragmentation and Connectivity of Mammalian Carnivore Habitat." *Phil. Trans. of the R. Soc. Brit.*, 366:2642–2651.
- Cypher, Brian. 2010. "Comments and Thoughts on Habitat Connectivity and Crossing Structures for San Joaquin Kit Foxes Associated with the High Speed Train Project in the San Joaquin Valley." Technical memorandum prepared for the URS/HMM/Arup Joint Venture on behalf of the California High-Speed Rail Authority, August 17, 2010.
- DigitalGlobe. 2009. ImageConnect. Web services for GIS/professional mapping. Accessed July 2010.
- Endangered Species Recovery Program (ESRP). 2002a. *General Rare Plant Survey Guidelines*. Prepared by Ellen. A. Cypher. Stanislaus, CA: California State University, Stanislaus, revised July 2002. http://www.fws.gov/sacramento/es/survey-protocols-guidelines/Documents/rare_plant_protocol.pdf.
- ——. 2002b. Supplemental Survey Methods for San Joaquin Woolly-Threads. Prepared by Ellen. A. Cypher. Stanislaus, CA: California State University, Stanislaus, revised July 2002. http://www.fws.gov/sacramento/es/survey-protocols-guidelines/Documents/rare_plant_protocol.pdf.
- ——. 2002c. Supplemental Survey Methods for Kern Mallow. Prepared by Ellen. A. Cypher. Stanislaus, CA: California State University, Stanislaus, revised July 2002. http://www.fws.gov/sacramento/es/survey-protocols-guidelines/Documents/rare_plant_protocol.pdf.
- ——. 2002d. Supplemental Survey Methods for California Jewelflower. Prepared by Ellen. A. Cypher. Stanislaus, CA: California State University, Stanislaus, revised July 2002. http://www.fws.gov/sacramento/es/survey-protocols-guidelines/Documents/rare_plant_protocol.pdf.
- ——. 2002e. Supplemental Survey Methods for Bakersfield Cactus. Prepared by Ellen. A. Cypher. Stanislaus, CA: California State University, Stanislaus, revised July 2002. http://www.fws.gov/sacramento/es/survey-protocols-guidelines/Documents/rare_plant_protocol.pdf.
- ——. 2002f. Supplemental Survey Methods for Hoover's Woolly-Star. Prepared by Ellen. A. Cypher. Stanislaus, CA: California State University, Stanislaus, revised July 2002. http://www.fws.gov/sacramento/es/survey-protocols-guidelines/Documents/rare_plant_protocol.pdf.
- ——. 2009. "GIS Maps and Data." http://esrp.csustan.edu/gis/ (accessed on October 2, 2009).



- Environmental Laboratory. 1987. *Corps of Engineers Wetland Delineation Manual*. Technical Report Y-87-1. Vicksburg, MS: U.S. Army Corps of Engineers Waterways Experiment Station, January 1987. http://el.erdc.usace.army.mil/elpubs/pdf/wlman87.pdf.
- ESRI. 2009. Virtual Earth Imagery Service, ArcGIS Software.
- Federal Railroad Administration (FRA). 2005. *High-Speed Ground Transportation Noise and Vibration Impact Assessment*. Washington, DC: U.S. Department of Transportation, FRA October 2005. http://www.fra.dot.gov/downloads/RRDev/final_nv.pdf.
- Fresno County Airport Land Use Commission. 2010. Land Use Compatibility Plan.
- Haas, C.D. 2000. "Distribution, Relative Abundance, and Roadway Underpass Responses of Carnivores throughout the Puente-Chino Hills." Unpublished M.S. thesis. Pomona, CA: California State Polytechnic University, 2000. 110 pp.
- H.T. Harvey and Associates. 2010. Appendix C, "California Valley Solar Ranch Project: Plan for Relocation of Giant Kangaroo Rats (Dipodomys ingens)." In: *Biological Assessment for the California Valley Solar Ranch Project*. Fresno, CA: H.T. Harvey and Associates, November 2010. http://www.slocounty.ca.gov/Assets/PL/SunPower+-+High+Plains+Solar+Ranch/usfws.pdf (accessed: November 22, 2013).
- Hickman, J.C., ed. 1993. *The Jepson Manual: Higher Plants of California*. Berkeley: University of California Press, 1993.
- Holland, Robert F. 2009a. *Central Valley Vernal Pool Complexes*. Sacramento, CA: California Department of Fish and Game (data), 2009.
- ——. 2009b. California's Great Valley Vernal Pool Habitat Status and Loss: Rephotorevised 2005. Prepared for. Auburn, CA: Placer Land Trust, December 2009. http://www.vernalpools.org/vpreports/Great%20Valley%20Vernal%20Pool%20Distribution_Final.pdf.
- Jones & Stokes. 2006. *PG&E San Joaquin Valley Operation & Maintenance Habitat Conservation Plan*. J&S 02-067. Sacramento, CA: PG&E, December 2006. http://www.fws.gov/ecos/ajax/docs/plan_documents/thcp/thcp_838.pdf.
- Kelly, P.A., S.E. Phillips, and D.F. Williams. 2005. "Documenting Ecological Change in Time and Space: The San Joaquin Valley of California." In: *Mammalian Diversification: From Chromosomes to Phylogeography (A Celebration of the Career of James L. Patton)*, ed. by Eileen A. Lacey and Philip Myers, pp. 57–78. University of California Publications in Zoology Volume 133. Berkeley, CA: University of California Press, 2005. http://escholarship.org/uc/item/31r875b5#page-9.
- Kern County Planning and Community Development Department. 2011. *Airport Land Use Compatibility Plan*. Bakersfield, CA: Kern County, March 29, 2011. http://www.co.kern.ca.us/planning/pdfs/ALUCP2011.pdf.
- Kern County Planning Department. 2006. *Kern County Valley Floor Habitat Conservation Plan*. First public draft, December 2006. Prepared by Garcia and Associates, Lompoc, CA. http://www.co.kern.ca.us/planning/pdfs/vfhcp_dec06.pdf (accessed January 2012).
- Kings County, City of Corcoran, and City of Hanford (Kings County et al.). 1994. *Kings County Airport Land Use Compatibility Plan.* Prepared by Hodges & Shutt for County of Kings, City of Corcoran, and City of Hanford, July 1994.

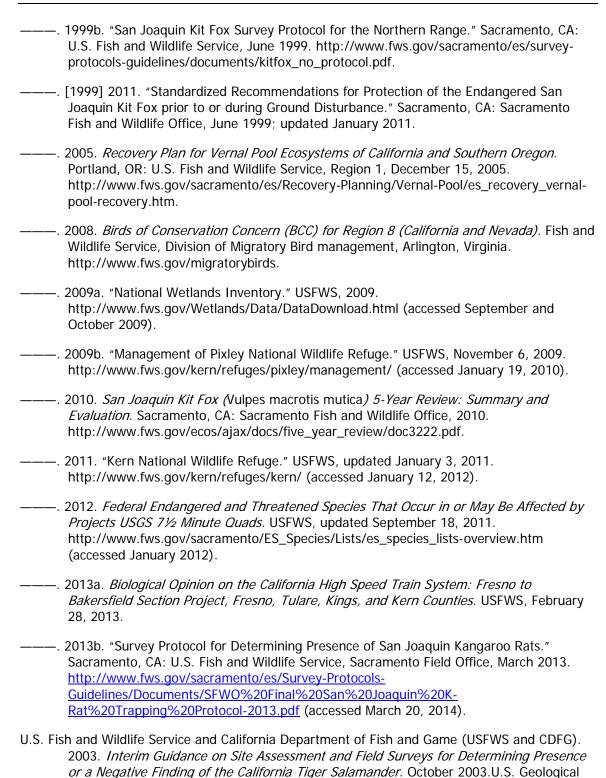


- http://www.countyofkings.com/planning/Plan/Kings%20County%20airport%20land%20u se%20compatibility%20plan.pdf.
- Lichvar, R.W., and S.M. McColley. 2008. *A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States: A Delineation Manual.* Prepared for U.S. Army Corps of Engineers Wetland Regulatory Assistance Program. Hanover, NH: Cold Regions Research and Engineering Laboratory, U.S. Army Engineer Research and Development Center, August 2008. http://www.crrel.usace.army.mil/library/technicalreports/ERDC-CRREL-TR-08-12.pdf.
- Moyle, P.B. 2002. *Inland Fishes of California*. Berkeley and Los Angeles, CA: University of California Press, 2002, pp. 103–104.
- Natural Resources Conservation Service (NRCS). 2006. Land Resource Regions and Major Land Resource Areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. Washington, DC: U.S. Department of Agriculture, NRCS, 2006. http://soils.usda.gov/survey/geography/mlra/ (accessed August 10, 2010).
- Penrod, K., R. Hunter, and M. Merrifield. 2001. *Missing Linkages: Restoring Connectivity to the California Landscape: Conference Proceedings, November 2, 2000, San Diego Zoo, San Diego, California*. Co-sponsored by the California Wilderness Society, The Nature Conservancy, U.S. Geological Survey, Center for Reproduction of Endangered Species, and California State Parks. 2001. http://www.scwildlands.org/reports/Missing_Linkages.pdf.
- Penrod, K., C. Cabanero, P. Beier, C. Luke, W. Spencer, and E. Rubin. 2003. *South Coast Missing Linkages: A Linkage Design for the Tehachapi Connection.* Monrovia, CA: South Coast Wildlands Project, October 2003. http://scwildlands.org/reports/SCML_Tehachapi.pdf. Accessed March 2010. http://www.scwildlands.org/reports/SCML_Tehachapi.pdf.
- Ray, Mike. 2014. Division Project and Process Improvement Manager Teichert Rock Products. Personnel Communication with Steve Parent, Bender Rosenthal, Inc., regarding the future uses for Sanger Property. February 4, 2014.
- Reed, P.B., Jr. 1988. *National List of Plant Species That Occur in Wetlands: California (Region 0)*. Washington, DC: U.S. Fish and Wildlife Service Biological Report 88-26.10, 1988. 135 pp.
- Spencer, W.D., P. Beier, K. Penrod, K. Winters, C. Paulman, H. Rustigian-Romsos, J. Strittholt, M. Parisi, and A. Pettler. 2010. *California Essential Habitat Connectivity Project: A Strategy for Conserving a Connected California*. Prepared for the California Department of Transportation, California Department of Fish and Game, and Federal Highway Administration. 2010.
- State Water Resources Control Board (SWRCB). 2013. *Preliminary Draft Water Quality Control Policy for Wetland Area Protection and Dredged or Fill Permitting*. Sacramento, CA: State Water Resources Control Board, January 28, 2013. http://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/wrapp/policy_draft.pdf (accessed May 17, 2013).
- Swainson's Hawk Technical Advisory Committee (SHTAC). 2000. "Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley." SHTAC, May 31, 2000. http://www.dfg.ca.gov/wildlife/nongame/docs/swain_proto.pdf.



U.S. A	rmy Corps of Engineers (USACE). 2005. "Regulatory Guidance Letter No. 05-05. Subject: Ordinary High Water Mark Identification." USACE, December 7, 2005. http://www.usace.army.mil/CECW/Documents/cecwo/reg//rgl05-05.pdf (accessed March 2010).
	2008a. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region. ERDC/EL TR-08-28. Washington, DC: USACE, Wetlands Regulatory Assistance Program, September 2008. http://el.erdc.usace.army.mil/elpubs/pdf/trel08-28.pdf.
	. 2008b. "Regulatory Guidance Letter No. 08-02: Subject: Jurisdictional Determinations." USACE, June 26, 2008. http://www.usace.army.mil/CECW/Documents/cecwo/reg/rgls/rgl08-02.pdf (accessed March 2010).
U.S. C	Department of Agriculture (USDA). 1971. Soil Survey: Eastern Fresno Area, California. By Gordon L. Huntington. Washington, DC: USDA, Soil Conservation Service, 1971.
	. 1982. Soil Survey of Tulare County, California, Central Part, Survey Area CA659. 1982. http://soils.usda.gov/survey/printed_surveys?state.asp?state=California&abbr=CA.
	. 1986. Soil Survey of Kings County, California. 1986. http://soils.usda.gov/survey/printed_surveys/state.asp?state=California&abbr=CA.
	. 1988. Soil Survey of Kern County, California, Northwestern Part. 1988. http://soils.usda.gov/survey/printed _surveys/state.asp?state_California&abbr=CA.
U.S. C	repartment of Agriculture and Natural Resource Conservation Service (USDA and NRCS). 1999. 8-Digit Watershed Boundary Data 1:24,000. Fort Worth, TX: National Cartography and Geospatial Center, 1999.
	. 2010. Climate Analysis for Wetlands (WETS). National Water and Climate Center, 2010. http://www.wcc.nrcs.usda.gov/climate/wetlands.html (accessed April 2010).
U.S. D	repartment of the Interior (USDOI). 2010. Atwell Island Restoration Project Activities, 2000–2010: Central Valley Project Improvement Act Land Retirement Demonstration Project. Fresno, CA: USDOI Interagency Land Retirement Team, September 2010, 77 pp. http://www.tularebasinwildlifepartners.org/planning/documents/AtwellIsland10-yearRestorationSummary.pdf (accessed January 2012).
U.S. F	ish and Wildlife Service (USFWS). 1996. "Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed and Candidate Plants." September 23, 1996. http://www.fws.gov/sacramento/es/survey-protocols-guidelines/documents/listed_plant_survey_guidelines.pdf (accessed March 2010).
	. 1998. Recovery Plan for Upland Species of the San Joaquin Valley, California. Portland, OR: U.S. Fish and Wildlife Service, Region 1, 1998. http://esrp.csustan.edu/publications/pubhtml.php?doc=sjvrp&file=cover.html#guide.
	. 1999a. "Conservation Guidelines for the Valley Elderberry Longhorn Beetle." Sacramento, CA: U.S. Fish and Wildlife Service, July 9, 1999.

http://www.fws.gov/sfbaydelta/documents/velb_conservation.pdf.

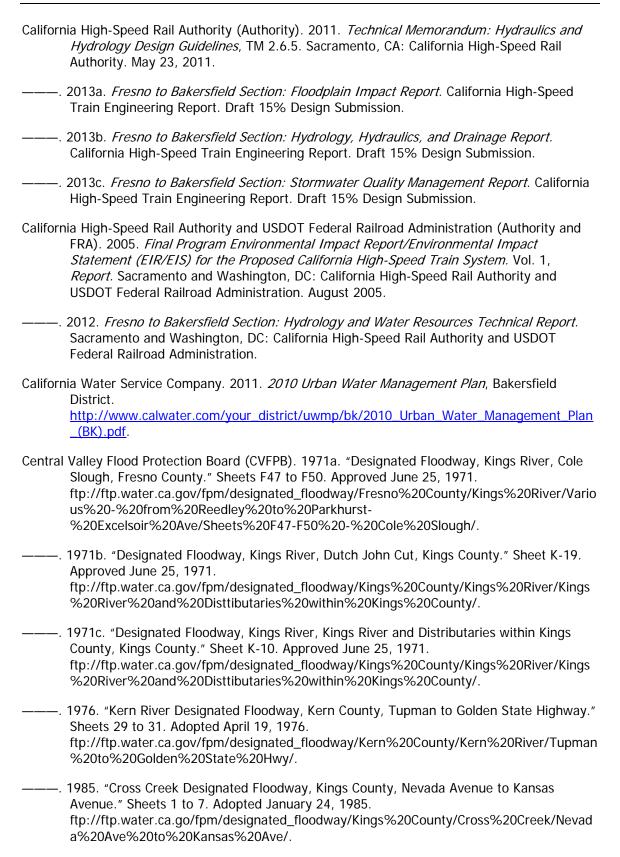


Survey in cooperation with the U.S. Environmental Protection Agency (USGS and EPA). 1999. "National Hydrography Dataset" http://nhd.usgs.gov/ (accessed in September and

October 2009).

Section 3.8 Hydrology and Water Resources

- Burkhardt, M., L. Rossi, and M. Boller. 2008. "Diffuse release of environmental hazards by railways." In *Desalination*, vol. 226, 106–113.
- California Data Exchange Center. 2010. Data for Kings River Pine Flat Dam, Kaweah River Terminus Dam, and Kern River Bakersfield. http://cdec.water.ca.gov/.
- California Department of Transportation (Caltrans). 2010. "Basin Sizer Program." Sacramento, CA: Office of Water Programs. http://www.water-programs.com/BasinSizer/Basinsizer.htm (accessed December 17, 2010).
- California Department of Water Resources (DWR). 1991. *California Well Standards, Water Wells, Monitoring Wells, Cathodic Protection Wells.* Bulletins 74-81 and 74-90.
- ——. 2003. *California's Groundwater: Bulletin 118 Update 2003*. October 2003. http://www.water.ca.gov/groundwater/bulletin118/bulletin118update2003.cfm.
- ——. 2004a. "San Joaquin Valley Groundwater Basin, Kaweah Subbasin." In *California's Groundwater: Bulletin 118.* Updated February 27, 2004. http://www.water.ca.gov/pubs/groundwater/bulletin_118/basindescriptions/5-22.11.pdf.
- ——. 2004b. "San Joaquin Valley Groundwater Basin, Tule Subbasin." In *California's Groundwater: Bulletin 118.* Updated February 27, 2004. http://www.water.ca.gov/pubs/groundwater/bulletin_118/basindescriptions/5-22.13.pdf.
- ——. 2005. *Lines of Equal Depth to Water in Wells, Unconfined Aquifer, San Joaquin Valley, Spring 2005.* Map of 10-foot contour lines. San Joaquin District.
- ——. 2006a. "San Joaquin Valley Groundwater Basin, Kern County Subbasin." In *California's Groundwater: Bulletin 118.* Updated January 20, 2006. http://www.water.ca.gov/pubs/groundwater/bulletin_118/basindescriptions/5-22.14.pdf.
- ——. 2006b. "San Joaquin Valley Groundwater Basin, Kings Subbasin." In *California's Groundwater: Bulletin 118.* Updated January 20, 2006. http://www.water.ca.gov/pubs/groundwater/bulletin_118/basindescriptions/5-22.08.pdf.
- ——. 2006c. "San Joaquin Valley Groundwater Basin, Tulare Lake Subbasin." In *California's Groundwater: Bulletin 118*. Updated January 20, 2006. http://www.water.ca.gov/pubs/groundwater/bulletin_118/basindescriptions/5-22.12.pdf.
- ——. 2009. *California Water Plan: Update 2009.* Bulletin 160-09. December 2009. http://www.waterplan.water.ca.gov/cwpu2009/index.cfm (accessed June 2, 2011).
- ——. 2010. California Irrigation Management Information System (CIMIS). http://www.cimis.water.ca.gov/cimis/welcome.jsp.
- ——. 2011. Water Data Library. http://www.water.ca.gov/waterdatalibrary/index.cfm.
- ——. 2012a. *Lines of Equal Depth to Water in Wells, Unconfined Aquifer, San Joaquin Valley, Spring 2010.* Map of 10-foot contour lines. San Joaquin District. April 1, 2012.
- ——. 2012b. Shape file of groundwater basins and subbasins as defined by the California Department of Water Resources. Update – June 20, 2012. http://www.water.ca.gov/groundwater/bulletin118/shape_files_metadata.cfm.



Central Valley Regional Water Quality Control Board (CVRWQCB). 2001. Order No. 5-01-048, NPDES No. CA0083500, Waste Discharge Requirements for Fresno Metropolitan Flood Control District, City of Fresno, City of Clovis, County of Fresno, and California State University Fresno Urban Storm Water Discharges, Fresno County. -. 2004. Water Quality Control Plan from the Tulare Lake Basin. 2nd ed. January 2004. —. 2007a. Order No. R5-2007-0064, NPDES No. CA0078867, Waste Discharge Requirements for Berry Petroleum Company: Poso Creek/McVan Facility, Poso Creek Oil Field, Kern County. June 22, 2007. ——. 2007b. Order No. R5-2007-066, NPDES No. CA0081311, Waste Discharge Requirements for Valley Waste Disposal Company and Cawelo Water District: Kern Front No. 2. City of Bakersfield. 2007. 2005 Urban Water Management Plan Update. http://www.bakersfieldcity.us/cityservices/water/pdfs/URBAN_WATER_MANAGEMENT_PL AN.pdf. City of Corcoran. 2007. Corcoran General Plan 2025: Policies Statement. Visalia, CA: Quad Knopf. March 19, 2007. http://www.quadknopf.com/community_projects/corcoran/PDF_docs/AdoptedPoliciesStat ement_3-19-07.pdf. City of Fresno. 2008. "Urban Water Management Plan." http://www.fresno.gov/Government/DepartmentDirectory/PublicUtilities/Watermanageme nt/WaterInformation/Default.htm. —. 2012. City of Fresno 2010 Urban Water Management Plan. Prepared by West Yost Associates. Fresno CA, November 2012. http://www.fresno.gov/NR/rdonlyres/3795B9BD-E030-492D-8215-1A6654C1D932/0/TextFinal2010CityofFresnoUWMPNovember2012.pdf. City of Fresno Planning and Development Department. 2002. 2025 Fresno General Plan and Related Environmental Impact Report No. 10130. Adopted February 1, 2002. City of Hanford. 2002. City of Hanford General Plan. Adopted June 18, 2002. ———. 2005. Stormwater Management Plan. December 2005. ---. 2011. *2010 Urban Water Management Plan.* http://www.ci.hanford.ca.us/depts/pw/utilities/2010_urban_water_management_plan.as City of Shafter. 2005. City of Shafter General Plan. Riverside, CA: LSA Associates, Inc. April 2005. http://shafter.com/DocumentView.aspx?DID=242.

County of Kern Planning Department. 2007b. *Metropolitan Bakersfield General Plan* (Unincorporated Planning Area). December 11, 2007.

ASCO%20-%202010%20Urban%20Water%20Management%20Plan.pdf.

City of Wasco. 2010. City of Wasco General Plan. Adopted August 2002, updated June 30, 2010.

http://www.ci.wasco.ca.us/Public_Documents/WascoCA_Planning/S0265498B-02B11703.

http://www.water.ca.gov/urbanwatermanagement/2010uwmps/Wasco,%20City%20of/W



---. 2011. 2010 Urban Water Management Plan.

---. 2009. General Plan Kern County. September 22. Available at: http://pcd.kerndsa.com/planning/planning-documents/general-plans, Last accessed: March 17, 2014. Faunt, C.C, ed. 2009. Groundwater Availability of the Central Valley Aquifer. California: U.S. Geological Survey Professional Paper 1766. 225 p. Federal Emergency Management Agency (FEMA). 2008a. Flood Insurance Rate Map. Map. Number FM06029CIND0A. Effective September 26, 2008. ---. 2008b. Digital Flood Insurance Rate Map Database, Kern County, California (and incorporated areas). Washington, DC. September 26, 2008. —. 2008c. Flood Insurance Study, Kern County, California and Incorporated Areas. Flood Insurance Study Number 06029CV001A. September 26, 2008. ——. 2009a. Flood Insurance Rate Map, Map Number FM06019CIND0B. Effective February 18, 2009. —. 2009b. Flood Insurance Rate Map, Map Number FM06031CIND0A. Effective June 16, 2009. —. 2009c. Flood Insurance Rate Map, Map Number FM06107CIND0B. Effective June 16, 2009. ----. 2009d. Digital Flood Insurance Rate Map Database, Fresno County, California. Washington, DC. February 18, 2009. ----. 2009e. Digital Flood Insurance Rate Map Database, Kings County, California. Washington, DC. June 16, 2009. ——. 2009f. Digital Flood Insurance Rate Map Database, Tulare County, California. Washington, DC. June 16, 2009. 2009g. Flood Insurance Study, Fresno County, California, and Incorporated Areas. Flood Insurance Study Number 06019CV001B. February 18, 2009. ----. 2009h. Flood Insurance Study, Kings County, California, and Incorporated Areas. Flood Insurance Study Number 06031CV000A. June 16, 2009. ———. 2009i. Flood Insurance Study, Tulare County, California and Incorporated Areas. Flood Insurance Study Number 06107CV000A. June 16, 2009. Fresno County. 2000. Fresno County General Plan. Fresno, CA. October 3, 2000. http://www.co.fresno.ca.us/. Fresno Metropolitan Flood Control District (FMFCD). 2009. District Services Plan 2009. September

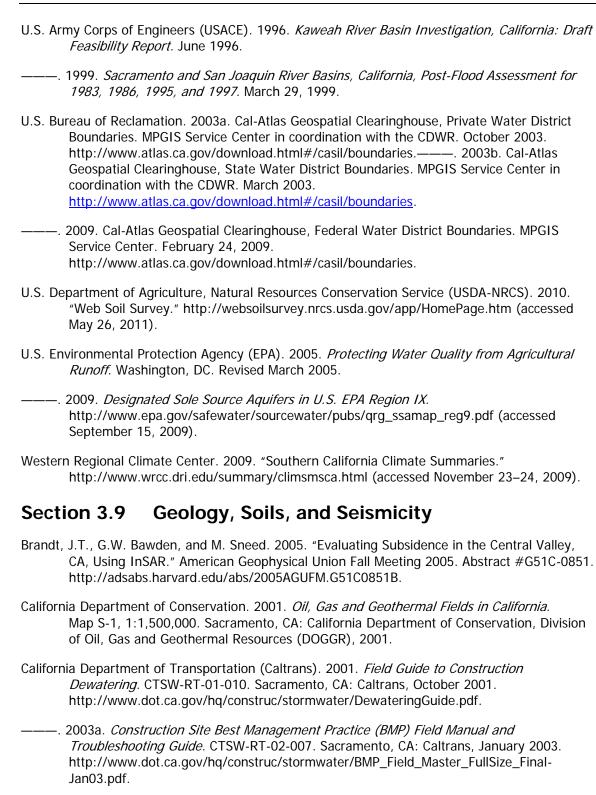
http://www.fresnofloodcontrol.org/About%20Us/2009%20District%20Services%20Plan%

20web.pdf.

- ——. 2012. Fresno-Clovis Stormwater Quality Management Program, Annual Report FY 2011-2012. September 1, 2012.
- Galloway, D.L., and F.S. Riley. 1999. "San Joaquin Valley, California—Largest human alteration of the Earth's surface." In Land Subsidence in the United States, D.L. Galloway, D.R. Jones, and S.E. Ingebritsen, eds., U.S. Geological Survey Circular 1182, pp. 23-34. http://pubs.usgs.gov/circ/circ1182/.
- Gronberg, Jo Ann M., Neil M. Dubrovsky, Charles R. Kratzer, Joseph L. Domagalski, Larry R. Brown, and Karen R. Burow. 1998. *Environmental Setting of the San Joaquin–Tulare Basins, California*. U.S. Geological Survey Water-Resources Investigations Report 97-7205. http://ca.water.usgs.gov/sanj/pub/usgs/wrir97-4205/wrir97-4205.pdf.
- ICF Jones & Stokes. 2008. *Irrigated Lands Regulatory Program Existing Conditions Report*.

 Prepared for the Central Valley Regional Water Quality Control Board. December 2008. http://www.waterboards.ca.gov/centralvalley/water_issues/irrigated_lands/long_term_program_development/rev_existing_conditions_report/index.shtml.
- Kern County and City of Bakersfield. 2005. *Kern County and the City of Bakersfield Stormwater Management Plan.*
- Kings County Community Development Agency. 2010. 2035 Kings County General Plan. January 26, 2010. http://www.countyofkings.com/planning/2035%20draft%20general%20plan/Final%20Docs/00%20Cover.pdf.
- Kings River Conservation District and Kings River Water Association (KRCD and KRWA). 2009. *The Kings River Handbook*. http://www.krcd.org/_pdf/Kings_River_Handbook_2009.pdf.
- Kruseman, G.P., and N.A. de Ridder. 1991. *Analysis and Evaluation of Pumping Test Data.* 2nd ed. International Institute for Land Reclamation Improvement, Publication 47. Reprinted 1991.
- Planert, M., and J.S. Williams. 1995. *Ground Water Atlas of the United States: California, Nevada, HA 730-B*. U.S. Geological Survey. http://pubs.usgs.gov/ha/ha730/ch_b/index.html.
- Regional Water Quality Control Board (RWQCB). 1998. Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan). http://www.swrcb.ca.gov/rwqcb2/basin_planning.shtml.
- State Water Resources Control Board (SWRCB). 2011. 2010 Integrated Report (Clean Water Act Section 303(d) List / 305(b) Report). October 11, 2011. http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml.
- ——. 2012. National Pollutant Discharge Elimination System (NPDES) Statewide Storm Water Permit, Waste Discharge Requirements (WDRS), for State of California Department of Transportation. Order No. 2012-0011-DWQ, NPDES No. CAS000003. Effective Date: July 1, 2013.
 http://www.swrch.ca.gov/board.docisions/adopted_orders/water_quality/2013/wgg2013
 - $http://www.swrcb.ca.gov/board_decisions/adopted_orders/water_quality/2012/wqo2012_0011_dwq.pdf.\\$
- Tulare County. 2008. County of Tulare NPDES Phase II Stormwater Management Plan. December 2008.
- ——. 2012. *Tulare County General Plan 2030 Update*. August. Available at: http://generalplan.co.tulare.ca.us/, Last accessed March 17, 2014.





2003b. Storm Water Quality Handbooks: Construction Site Best Management Practices

fp.com/FB%20Administration%20Record/Caltrans.%202003b.%20Chapter%203.09.pdf.

(BMPs) Manual. Sacramento, CA: Caltrans, March 2003. http://www.hst-

- California Department of Water Resources (DWR). 2005. Groundwater basin contour maps. http://www.water.ca.gov/waterdatalibrary/groundwater/hydrographs/index.cfm (accessed May 18, 2011).
 California Division of Mines and Geology (CDMG). 1965. *Geologic Map of California, Bakersfield Sheet.* Scale 1:250,000. 1965. Olaf P. Jenkins edition.
- ——. 1966. *Geologic Map of California, Fresno Sheet.* Scale 1:250,000. 1966. Olaf P. Jenkins edition.
- ——. 1980. Geothermal Resources of California. Map. Scale 1:750,000.
- California Geological Survey (CGS). 2002. *California Geomorphic Provinces*. California Department of Conservation, California Geological Survey Note 36. http://www.conservation.ca.gov/cgs/information/publications/cgs_notes/note_36/Documents/note_36.pdf (accessed December 11, 2009).
- ——. 2012. *Aggregate Availability in California.* Map Sheet 52. Updated 2012.
- ——. 2010. "2010 Fault Activity Map of California." Geologic Data Map no. 6. Prepared by C.W. Jennings and W.A. Bryant. Sacramento, CA: CGS, 2010. Scale 1:750,000.http://www.quake.ca.gov/gmaps/FAM/faultactivitymap.html.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2004. *California High-Speed Train Program Environmental Impact Report/*Environmental Impact Statement: Sacramento to Bakersfield Region Geology & Soils Technical Evaluation. Prepared by Kleinfelder, Inc., Sacramento, CA, and Washington, DC. Authority and FRA, January 2004.
- ——. 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005.
- ——. 2011a. California High-Speed Train Technical Report: Draft *Fresno to Bakersfield Section: Geologic and Seismic Hazards Report.* 15% Draft; June 2011.
- ——. 2011b. 15% Record Set Fresno to Bakersfield Geologic and Seismic Hazard Report, California High-Speed Train Project Engineering.
- ——. 2012. California High-Speed Train Project Environmental Impact Report/Environmental Impact Statement: Fresno to Bakersfield Geology, Soils, and Seismicity Technical Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2012.
- ——. 2013. 15% Record Set Fresno to Bakersfield Geologic and Seismic Hazard Report, California High-Speed Train Project Engineering. December 2013.
- California Office of Emergency Services. 2000. Dams and dam inundation area information. GIS data.
- City of Bakersfield and Kern County. 2007a. "Conservation Element." In: *Metropolitan Bakersfield General Plan.* December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/MBGPChapterV.pdf.

- ——. 2007b. "Safety Element." In: *Metropolitan Bakersfield General Plan.* December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/MBGPChapterVIII.pdf.
- City of Corcoran. 2007. *Corcoran General Plan 2025: Policies Statement.* Visalia, CA: Quad Knopf, March 19, 2007. http://www.cityofcorcoran.com/civica/filebank/blobdload.asp?BlobID=3439.
- City of Fresno Planning and Development Department. 2002. 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf.
- City of Hanford. 2002. "Hazards Management Element." In: *City of Hanford General Plan.*June 18, 2002. http://www.ci.hanford.ca.us/civica/filebank/blobdload.asp?BlobID=4734.
- City of Wasco. 2010. "Safety Element." In: *City of Wasco General Plan.* October 2002. Updated June 2010. http://www.ci.wasco.ca.us/general-plan/.
- Fresno County. 2000a. "Health and Safety Element." In: *Fresno County General Plan.* October 2000. http://www2.co.fresno.ca.us/4510/4360/General_Plan/GP_Final_policy_doc/Health%20Element_rj.pdf.
- ——. 2000b. "Open Space and Conservation Element." In: Fresno County General Plan. October 3, 2000. http://www2.co.fresno.ca.us/4510/4360/General_Plan/GP_Final_policy_doc/Open_Space_ _Element_rj.pdf.
- Kern County Planning Department. 2009a. "Land Use, Open Space, and Conservation Element." In: Kern County General Plan. September 2009. http://www.co.kern.ca.us/planning/pdfs/kcgp/KCGPChp1LandUse.pdf.
- ——. 2009b. "Safety Element." In *Kern County General Plan.* September 2009. http://www.co.kern.ca.us/planning/pdfs/kcgp/KCGPChp4Safety.pdf.
- Kings County Community Development Agency. 2010a. "Health and Safety Element." In: 2035 Kings County General Plan. January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html.
- ——. 2010b. "Resource Conservation Element." In: *2035 Kings County General Plan.* January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html.
- Los Angeles Department of Water and Power. 1974. San Joaquin Nuclear Project, Early Site Review Report. Vol. 1. Los Angeles, CA: Los Angeles (City) Department of Water and Power, 1974.
- Mitchell, D. 2009. Senior Oil and Gas Engineer, California Division of Oil, Gas, and Geothermal Resources. Written comment provided in Table 3-1 of *Draft Scoping Report* prepared by URS/HMM/Arup Joint Venture, October 30, 2009.
- Page, R.W. 1986. *Geology of the Fresh Ground-Water Basin of the Central Valley, California, with Texture Maps and Sections*. USGS Professional Paper 1401-C. http://pubs.usgs.gov/pp/1401c/report.pdf.



- Porterville Recorder. 2012. "Success Dam: 50 Years Serving the Valley's Thirst." *Porterville Recorder*. July 15, 2012. http://www.recorderonline.com/articles/dam-53345-success-once.html (accessed January 9, 2013).
- Smith, T.C. 1983. "Pond Fault, Northern Kern County." California Division of Mines and Geology, Fault Evaluation Report-FER 144.
- Tulare County. 2012a. "Environmental Resources Management." In: *Tulare County General Plan 2030 Update.* Visalia, CA: Tulare County Resource Management Agency, August 2012. http://generalplan.co.tulare.ca.us/documents/GP/001Adopted%20Tulare%20County%20 General%20Plan%20Materials/000General%20Plan%202030%20Part%20I%20and%20P art%20II/General%20Plan%202012.pdf
- ——. 2012b. "Health and Safety." In: Tulare County General Plan 2030 Update. Visalia, CA: Tulare County Resource Management Agency, August 2012. http://generalplan.co.tulare.ca.us/documents/GP/001Adopted%20Tulare%20County%20 General%20Plan%20Materials/000General%20Plan%202030%20Part%20I%20and%20P art%20II/General%20Plan%202012.pdf
- USA Today. 2007. "Fresno's Tunnels a Gateway to Secret History of Chinatown." October 14, 2007. http://usatoday30.usatoday.com/news/nation/2007-10-14-fresno-tunnels_N.htm.
- U.S. Bureau of Reclamation. 2009. Lower Tule Immigration District, Tule River Intertie Project, Finding of No Significant Impact. FONSI-09-73. U.S. Department of the Interior, Bureau of Reclamation, South-Central California Area Office. December 2009. http://www.usbr.gov/mp/nepa/documentShow.cfm?Doc_ID=4781.
- U.S. Department of Agriculture, Natural Resources Conservation Service (USDA-NRCS). 2006. Major Land Resource Area (MLRA) Geographic Database. http://soils.usda.gov/survey/geography/mlra/.
- U.S. Geological Survey (USGS). 2007–2008. "USGS Soil Survey Geographic Database, Erodible Soils."
- ——. 2008. Peak Ground Acceleration, National Hazard Seismic Maps. http://gldims.cr.usgs.gov/website/nshmp2008/viewer.htm (accessed May 18, 2011).
- ——. 2010. "Historic Earthquakes." California Historical Earthquake Online Database, 1769-1974.
- _____. 2013. (Sneed, M., J. Brandt, and M. Solt). Land Subsidence along the Delta-Mendota Canal in the Northern Part of the San Joaquin Valley, California, 2003–10. Scientific Investigations Report 2013-5142.

Section 3.10 Hazardous Materials and Wastes

- American Society for Testing and Materials International (ASTM). 2005. *ASTM E1527-05:*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. West Conshohocken, PA.
- ——. 2006. ASTM E1528-06: Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process. West Conshohocken, PA.
- California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR). 2009. 2008 Annual Report of the State Oil & Gas Supervisor.



- California Department of Transportation (Caltrans). 2006a. "Hazardous Materials, Hazardous Waste, and Contamination." Chapter 10. Vol. I of *Guidance for Compliance Initial Site Assessment*. Guidance document from the Caltrans Standard Environmental Reference, *Environmental Handbook*. http://www.dot.ca.gov/ser/vol1/sec3/physical/ch10haz/chap10.htm#site_assessment. Accessed October 15, 2010.
- ——. 2006b. *Project Development Procedures Manual*. Chapter 18. California Office of State Project Development Procedures and Quality Improvement in Division of Design.
- California Department of Water Resources (DWR). 2003. California's Groundwater: Bulletin 118.
- California Environmental Protection Agency (Cal/EPA). 2009. *Cal/EPA Unified Program–Cal/EPA Environmental Enforcement Report.*
- California High-Speed Rail Authority (Authority). 2012. *Bay Area to Central Valley High-Speed Train Partially Revised Final Program Environmental Impact Report (EIR)*. Sacramento, CA: California High-Speed Rail Authority, April 2012.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. http://www.hsr.ca.gov/Programs/Environmental_Planning/EIR_EIS/index.html.
- ——. 2012. Fresno to Bakersfield Section: Hazardous Materials and Wastes Technical Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2012.
- City of Bakersfield. 2010. Certified Unified Program Agency. Bakersfield Municipal Code. Title 8, Chapter 8.60.
- City of Bakersfield and Kern County. 2007. *Metropolitan Bakersfield General Plan*. December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/mbgptoc.pdf.
- City of Fresno Planning and Development Department. 2002. 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf.
- City of Fresno. 2008. Emergency Operations Plan.
- Department of Resources Recycling and Recovery (CalRecycle). 2011. "CIWMB California MSW Landfill Methane Outreach Program Compilation 10/01." http://www.calrecycle.ca.gov/swfacilities/TechServices/EmergingTech/LFGTEPrimer.pdf.
- Department of Toxic Substances Control (DTSC). 2009. Variance No. V09HQSCD006 to the Department of Transportation. http://www.dot.ca.gov/hq/env/haz/hw_adl.htm. Accessed March 31, 2010.
- Fresno County. 2000. Fresno County General Plan. October 3, 2000. http://www.co.fresno.ca.us/DepartmentPage.aspx?id= 19705&terms=general+plan.



- Fresno County Department of Public Health. 2010. Fresno County Department of Public Health. 2010. CUPA/Solid Waste Program Resource List. http://www.fresnocountycupa.com Accessed 10/15/2010.
- Kern County Planning Department. 2009. Kern County General Plan. September 22, 2009.
- Kings County. 2007. Kings County Area Plan for Hazardous Materials Emergency Response.
- Kings County Community Development Agency. 2010. *2035 Kings County General Plan.* January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html.
- Regional Water Quality Control Board (RWQCB). 2006. *Proposed 2006 CWA Section 303(d) List of Water Quality Limited Segments: Central Valley Regional Board.* State Water Resources Control Board (SWRCB). October 25, 2010.
- Tulare County. 2012. *Tulare County General Plan 2030 Update*. August 2012. http://generalplan.co.tulare.ca.us/documents/GP/001Adopted%20Tulare%20County%20 General%20Plan%20Materials/000General%20Plan%202030%20Part%20I%20and%20Part%20II/General%20Plan%202012.pdf
- U.S. Environmental Protection Agency (USEPA). 2009a. "Lead: Renovation, Repair, and Painting." Washington, DC. http://www.epa.gov/lead/pubs/renovation.htm. Accessed May 25, 2011.
- ——. 2009b. "Pollution Prevention and Toxics: Asbestos." Washington, DC. http://www.epa.gov/lead/pubs/renovation.htm. Accessed May 25, 2011.
- ——. 2010. "Basic Information Polychlorinated Biphenyl (PCB)." http://www.epa.gov/epawaste/hazard/tsd/pcbs/pubs/about.htm. Accessed February 4, 2011.

Section 3.11 Safety and Security

- American Public Transportation Association. 2006. *Manual for the Development of System Safety Program Plans for Commuter Railroads*. Washington, DC: American Public Transportation Association, Commuter Rail Safety Management Program, May 15, 2006. http://www.apta.com/resources/reportsandpublications/Documents/commuter_rail_manu al.pdf.
- Areddy, James T. 2011. "China Train Crash Spurs Safety Fears." Wall Street Journal. September 28, 2011. http://online.wsj.com/article/SB10001424052970204632204577126121683353312.html.
- Bailey, Kristie. 2012. Office Assistant, Lemoore Fire Department, Lemoore, CA. Personal communication with Sean Rudden, URS Corporation, regarding Lemoore Fire Department service area and equipment. May 25, 2012.
- Bakersfield Fire Department. n.d. "BFD—Operations Division." http://www.bakersfieldcity.us/fire/operations/index.htm (accessed November 10, 2010).
- Brogdon, Mike. 2010. Lieutenant, Fresno Police Department, Fresno, CA. Personal communication with Sean Rudden, URS Corporation, regarding Fresno Police Department services in Fresno. May 27, 2010.

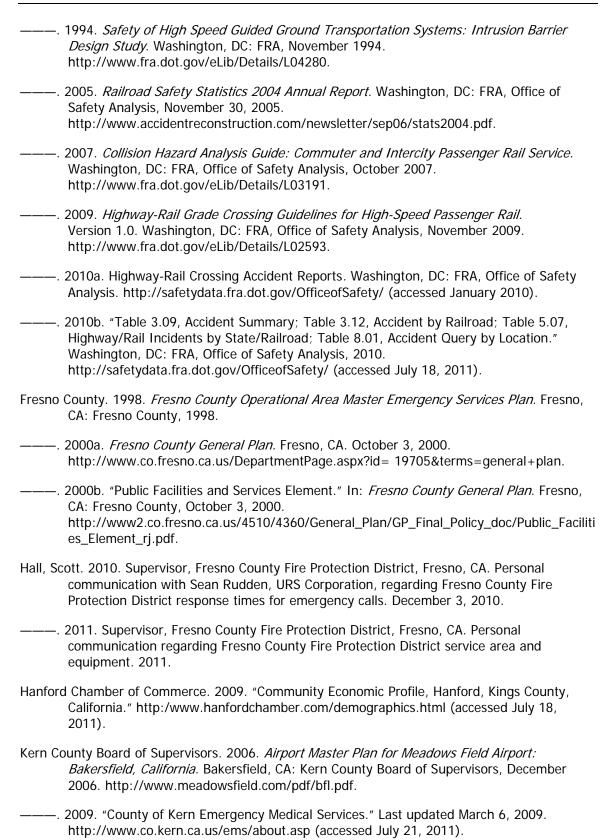
- California Department of Forestry and Fire Protection (CAL FIRE). 2010. 2010 Strategic Fire Plan for California. State Board of Forestry and Fire Protection. Sacramento, CA: CAL FIRE, May 2010. http://cdfdata.fire.ca.gov/pub/fireplan/fpupload/fpppdf668.pdf. 2007. "Fire Hazard Severity Zones in SRA [State Responsibility Area]: Adopted by CAL FIRE on November 7, 2007." "Fire Hazard Severity Zoning." SRA-only maps for Fresno, Kings, Tulare, and Kern counties. http://frap.cdf.ca.gov/data/frapgismaps/download.asp (accessed June 2010). California Department of Transportation (Caltrans). 2002. California Airport Land Use Planning Handbook. Sacramento, CA: Caltrans, Division of Aeronautics, January 2002. California High-Speed Rail Authority (Authority). 2008. Technical Memorandum: Rolling Stock and Vehicle Intrusion Protection for High-Speed Rail and Adjacent Transportation Systems, TM 2.1.7. Prepared by Parsons Brinckerhoff. Sacramento, CA: California High-Speed Rail Authority, October 25, 2008. 2011. Urban Design Guidelines: California High-Speed Train Project. Sacramento, CA: California High-Speed Rail Authority, March 2011. ----. 2012. Bay Area to Central Valley High-Speed Train Partially Revised Final Program Environmental Impact Report (EIR). Sacramento, CA: California High-Speed Rail Authority, April 2012. California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. 2008. Bay Area to Central Valley High-Speed Train (HST) Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final. Volume 1. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2008. 2014. California High-Speed Train Project Environmental Impact Report/Environmental Impact Statement Fresno to Bakersfield: Transportation Analysis Technical Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC:
- California Highway Patrol. 2008a. "2008 Annual Report of Fatal and Injury Motor Vehicle Traffic Collisions." http://www.chp.ca.gov/switrs/ (accessed October 22, 2010).

California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2014.

- ——. 2008b. "2008 California Quick Collision Facts." http://www.chp.ca.gov/switrs/ (accessed August 3, 2009).
- Central Japan Railway Company. 2011. *About the Shinkansen Safety.* http://english.jr-central.co.jp/about/safety.html.
- Cheng, S.H., T. Yen, and S.C. Huang. 2011. "Taiwan High Speed Rail Viaducts: A seismic-Safety and Passenger-Comfort Design Approach." In: *ASME Conference Proceedings*, Volume 1, *Railroad Infrastructure Engineering*. Paper JRC 2010-36129. 2010 Joint Rail Conference.

- City of Bakersfield and Kern County. 2009. "Safety Element." In: *Metropolitan Bakersfield General Plan Update*. April 2009. http://www.bakersfieldcity.us/weblink7/ElectronicFile.aspx?docid=787355.
- City of Corcoran. 2007. *Corcoran General Plan 2025: Policies Statement*. Visalia, CA: Quad Knopf, March 19, 2007. http://www.cityofcorcoran.com/civica/filebank/blobdload.asp?BlobID=3439.
- City of Fresno. 1999. Fresno-Chandler Downtown Airport Master and Environs Specific Plan. Fresno, CA: City of Fresno, Department of Airports, adopted April 13, 1999. http://www.fresno.gov/planningdocs/Plans/Chandler.pdf.
- ——. 2008. City of Fresno Emergency Operations Plan. Fresno, CA: City of Fresno, 2008.
- ——. 2010. Fresno Yosemite International Airport Land Use Compatibility Plan. Fresno, CA: City of Fresno, adopted August 30, 2012. http://www.fresno.gov/planningdocs/Plans/FYI.pdf.
- City of Fresno Fire Department. 2010. "Station Locations." http://www.fresno.gov/Government/DepartmentDirectory/Fire/AboutFresnoFire/StationLocations/default.htm (accessed February 2013).
- n.d. "Message from Chief Joel L. Aranaz." http://www.fresno.gov/Government/DepartmentDirectory/Fire/default.htm (accessed December 3, 2010).
- City of Fresno Planning and Development Department. 2002. "Safety Element." In: 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, Advance Planning, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/459CA3E3-D729-47FD-8B24-92AE06BD45E6/0/2025FresnoGeneralPlan.pdf.
- City of Hanford. 2002. *City of Hanford 2002 General Plan Update*. Hanford, CA: City of Hanford, adopted June 18, 2002. http://www.ci.hanford.ca.us/depts/cd/planning/zoning_and_land_use/general_plan.asp.
- ——. 2010. *Hanford Municipal Airport Master Plan.* Hanford, CA: City of Hanford, adopted January 19, 2010. http://www.ci.hanford.ca.us/civicax/filebank/blobdload.aspx?BlobID=5119.
- City of Wasco. [2002] 2010. *City of Wasco General Plan.* Prepared by Quad Knopf. Wasco, CA: City of Wasco, adopted October 2002, last amended 2010. http://www.ci.wasco.ca.us/general-plan/.
- Federal Bureau of Investigation (FBI). 2008. *National Uniform Crime Reporting Program: 2008 Crime in the United States.* Table 6, "Crime in the United States by Metropolitan Statistical Area." http://www.fbi.gov/ucr/cius2008/data/table_06.html; Table 11, "Offenses Known to Law Enforcement by State by State and Other Agency." http://www.fbi.gov/ucr/cius2008/data/table_11.html.
- Federal Railroad Administration (FRA). 1993. Safety of High Speed Guided Ground Transportation Systems: Collision Avoidance and Accident Survivability. Volume 2, Collision Avoidance. DOT/FRA/ORD-93/02.11. DOT-VNTSC-FRA-93.211. Washington, DC: FRA, March 1993. http://ntl.bts.gov/lib/33000/33500/33542/33542.pdf.





- Kern County Fire Department (KCFD). 2008. "Kern County Emergency Operations Plan." April 30, 2008.
 - http://www.kerncountyfire.org/index.php?option=com_content&view=article&id=24&Ite mid=33.
- ——. 2010. "About KCFD." http://www.kerncountyfire.org/about.php (accessed November 12, 2010).
- Kern County Planning Department. 2009. "Safety Element." In: Kern County General Plan. Bakersfield, CA: Kern County Planning Department, September 22, 2009. http://pcd.kerndsa.com/planning/planning-documents/general-plans.
- Kern County Planning and Community Development Department. 2011. *Airport Land Use Compatibility Plan*. Bakersfield, CA: Kern County, March 29, 2011. http://www.co.kern.ca.us/planning/pdfs/ALUCP2011.pdf.
- Kings County. 2007. *Kings County Multi-Jurisdictional Multi-Hazard Mitigation Plan*. Hanford, CA: Kings County, October 2007. http://www.countyofkings.com/planning/genplan/community%20plans/CompleteDoc_KC MJMHMP.pdf.
- ——. 2011. "Hanford Police Department." Report on 911 response time. http://www.countyofkings.com/grand%20jury/reports09-10/Hanford%20Police%20Department%20Final.pdf.
- ——. n.d. "Kings County Fire Department." http://www.countyofkings.com/fire/stations.html (accessed December 2010).
- Kings County, City of Corcoran, and City of Hanford (Kings County et al.). 1994. *Kings County Airport Land Use Compatibility Plan.* Prepared by Hodges & Shutt for County of Kings, City of Corcoran, and City of Hanford. July 1994. http://www.countyofkings.com/planning/Plan/Kings%20County%20airport%20land%20use%20compatibility%20plan.pdf.
- Kings County Community Development Agency. 2010. *2035 Kings County General Plan.* January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html.
- Kumagai, Norimichi. 2008. *Keystone of High Speed Rail: Safety & Environment. 6th World Congress on High Speed Rail.* Amsterdam, Netherlands: World Congress on High-Speed Rail. 2008.
- Maletta, Trudy. 2010. Emergency Services Manager, Kings County Fire Department. Personal communication with Sean Rudden, URS Corporation, regarding Kings County Fire Department response times. December 3, 2010.
- National Aeronautics and Space Administration. 2007. "Derailed." System Failure Case Studies, Volume 1, Issue 5 (March 2007).
- National Fire Protection Association International (NFPA International). 2004. NFPA 1710—
 Standard for the Organization and Deployment of Fire Suppression Operations,
 Emergency Medical Operations, and Special Operations to the Public by Career Fire
 Departments. 2004 Edition. http://www.nfpa.org/codes-and-standards/document-information-pages?mode=code&code=1710.

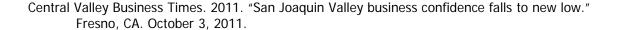
- National Highway Traffic Safety Administration (NHTSA). 2010. "Traffic Safety Facts." http://www-nrd.nhtsa.dot.gov/Pubs/811162.pdf.
- North East Wales Institute of Higher Education. 2004. *The High-Speed Train Disaster in Eschede (Germany):* Engineering Design Group Project (Group 1) Level 2 2004/2005. North East Wales Institute of Higher Education, November 30, 2004. http://home.arcor.de/jweismantel/engineeringdisaster/report/report_group01_ice_disaster.pdf.
- Operation Lifesaver, Inc. 2009. "2009 Statistics by State: Crossing Collisions & Casualties, Trespass Casualties." http://www.oli.org/statistics/statistics05collisionscasulatiesandtrespasscasualtiesbystate.h tm (accessed November 10, 2010).
- Railway-Technology.com. 2012. "China's High-Speed Rail Revolution." November 21, 2012. http://www.railway-technology.com/features/feature124824/ (accessed February 4, 2013).
- Rao, Alan, and Thomas Tsai. 2007. "Safety Standards for High-Speed Rail Transportation." Transportation Research Record: Journal of the Transportation Research Board. Vol. 1995:35–42.
- Stein, Terry. 2010. Dispatch Supervisor, Bakersfield Police Department, Bakersfield, CA. Personal communication with Sean Rudden, URS Corporation, regarding Bakersfield Police Department response times. August 2, 2010.
- Sumaya, David. 2010. Battalion Chief, Hanford Fire Department, Hanford, CA. Personal communication with Sean Rudden, URS Corporation, regarding Hanford Fire Department emergency response times and equipment. August 2, 2010.
- Sunderland, Steven. 2010. Chief, Tulare County Fire Department, Visalia, CA. Personal communication with Sean Rudden, URS Corporation, regarding Tulare County Fire Department emergency response times and equipment. August 2, 2010.
- Taylor, B., A. Loukaitou-Sideris, R. Liggett, C. Fink, M. Wachs, E. Cavanagh, C. Cherry, and P.J. Hass. 2005. Designing and Operating Safe and Secure Transit Systems: Assessing Current Practices in the United States and Abroad. MTI Report 04-05. San Jose, CA: Mineta Transportation Institute, 2005.
- TrainWeb. 2011. "TGV Accidents." La Plata, MO: June 2000. http://www.trainweb.org/tgvpages/wrecks.html.
- Tulare County. 2008. *Tulare County General Plan: Goals and Policies Report*. January 2008. http://generalplan.co.tulare.ca.us/documents/GeneralPlan2008/Goals%20and%20Policies%20Report%20(Component%20A).pdf.
- Tulare County Fire Department. 2008. "General Information." http://www.co.tulare.ca.us/government/fire/about_tcfd/default.asp (accessed November 12, 2010).
- U.S. Department of Defense. 2000. *Standard Practice for System Safety.* MIL-STD-882D. Washington, DC: U.S. Department of Defense, February 10, 2000.

- U.S. Geological Survey (USGS). 2009. "Domestic Names—Metadata." In: Geographic Names Information System (GNIS). August 18, 2009. http://geonames.usgs.gov/domestic/metadata.htm (accessed November 12, 2010).
- Venegas, Jessie. 2010. Battalion Chief, Kings County Fire Department. Personal communication with Sean Rudden, URS Corporation, regarding Kings County Fire Department emergency response times and equipment. August 2, 2010.
- Wyre, R. 2011. "U.S. Rejects Japan's High Speed Trains." Majirox Partners. http://www.majiroxnews.com/2011/02/08/u-s-rejects-japans-high-speed-train/ (accessed July 18, 2011).

Section 3.12 Socioeconomics, Communities, and Environmental Justice

- Barfield, Gregory. 2010. Homeless Coordinator, City of Fresno, Fresno, CA. Personal communication with Mara Feeney, Mara Feeney & Associates, regarding the homeless population of the city of Fresno, June 23, 2010.
- Bureau of Economic Analysis. 2010. Table 2.5, Total Multipliers for Output, Earnings, Employment, and Value Added by Industry Aggregation Region Annual (Type II).
- California Department of Finance. 2007. "Population Projections for California and Its Counties 2000–2050, by Age, Gender, and Race/Ethnicity." Reports and Research Papers P3. Sacramento, CA: Demographic Research Unit. July 2007. http://www.dof.ca.gov/research/demographic/reports/projections/p-1/ (accessed February 2012).
- ———. 2010. "E-5 Population and Housing Estimates for Cities, Counties and the State, 2001–2009, with 2000 Benchmark." May 2010. http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2001-10/view.php (accessed November 22, 2010).
- California Department of Food and Agriculture (CDFA). 2010. "California Agricultural Highlights, 2010." Sacramento, CA: California Department of Food and Agriculture. http://www.cdfa.ca.gov/statistics/files/AgHighlightsBrochure10.pdf (accessed February 2012).
- California Department of Transportation (Caltrans). 1997. Community Impact Assessment. Vol. 4. Environmental Handbook. June 1997.
- California Employment Development Department (CEDD). 2009. "Labor Market Info, Industry Employment and Labor Force, by Annual Average, 2009."
- ———. 2010a. "Labor Market Info, County Unemployment Rates (Labor Force)."
- ——. 2010b. "The Economy: California's Labor Market." http://www.labormarketinfo.edd.ca.gov (accessed January 23, 2010).
- California High-Speed Rail Authority (Authority). 2011a. *Aesthetic Guidelines for Non-Station Structures* (TM 200-06). November 2011.
- ——. 2011b. *Urban Design Guidelines for the California High Speed Train Project.* March 2011.





for use in regional environmental studies. July 2010.

- City of Bakersfield. 2007. *Recreation and Parks Master Plan 2007*. http://www.bakersfieldcity.us/recreation/pdfs/Rec_Parks_Master_Plan.pdf.
- ——. 2009. City of Bakersfield Fiscal Year 2009–2010 Proposed Budget. http://www.bakersfieldcity.us/administration/documents/FY_2009-10_City_of_Bakersfield_Proposed_Budget_Document.pdf (accessed March 25, 2010).
- City of Corcoran. 2009. *Annual Budget*, *2008–2009*. Adopted June 2, 2008. http://www.cityofcorcoran.com/civica/filebank/blobdload.asp?BlobID=2582 (accessed March 17, 2010).
- City of Fresno Planning and Development Department. 2002. 2025 Fresno General Plan and Related Environmental Impact Report No. 10130. http://www.fresno.gov/NR/rdonlyres/12A301CD-CB31-456D-9BDF-6A73628D22FE/0/2025FresnoGeneralPlan.pdf.
- ——. 2009. *A Guide to the Adopted Budget, Fiscal Year 2009–2010.* Adopted September 30, 2009. http://www.fresno.gov/NR/rdonlyres/E89BD84B-FF24-45C9-A17A-E63B1328A82E/20216/FY2009_2010AdoptedGuidetotheBudget.pdf.
- City of Hanford. 2009. *Annual Budget, Fiscal Years 2010 & 2011.*http://www.ci.hanford.ca.us/civicax/filebank/blobdload.aspx?blobid=4721 (accessed April 4, 2010).
- City of Shafter. 2008. *Annual Operating Budget 2008-2009*. 2008. Adopted June 17, 2008. http://www.shafter.com/DocumentView.aspx?DID=239 (accessed March 17, 2010).
- City of Wasco. 2008. *Adopted Annual Operation Budget, Fiscal Year 2008/2009*. 2008. http://www.ci.wasco.ca.us/Public_Documents/WascoCA_Finance/Budget/Budget08-09.pdf (accessed March 17, 2010).
- County of Kings. 2009. 2009-2010 Final Budget. 2009. http://www.countyofkings.com/admin/budgets/Kings%20County%20Adopted%20Budget %202009-2010.pdf (accessed March 17, 2010).
- Cowan, Tadlock (Coordinator). 2005. *California's San Joaquin Valley: A Region in Transition.*Washington, DC: Congressional Research Service Report for Congress, Order Code RL33184. December 12, 2005.
- Eberhardt School of Business. 2009. *Unemployment in the San Joaquin Valley in 2009: Fish or Foreclosure?* Business Forecasting Center. August 11, 2009.
- EdSource. 2009. The Basics of California's School Finance System. January 2009.
- ———. 2011. School Finance Highlights 2010–11. January 2011.
- Federal Railroad Administration (FRA). 2005. *High-Speed Ground Transportation: Noise and Vibration Impact Assessment*. Washington, DC: U.S. Department of Transportation. October 2005. http://www.fra.dot.gov/downloads/RRDev/final_nv.pdf.
- Fresno County. 2010a. Fresno County Spatial Crop Data. Department of Agriculture.
- ——. 2008. *County Budget for the Fiscal Year Ended June 30, 2009.* Adopted June 20, 2008. 2008. http://www.co.fresno.ca.us/Departments.aspx?id=118.



- Gill, Louis. 2012. Louis Gill, Executive Director, Bakersfield Homeless Shelter. Personal communication to Mara Feeney, Mara Feeney & Associates, April 4, 2012.
- Gorman, Lynn. 2010. Deputy Director of Planning, Fresno County Department of Public Works and Planning. Telephone interview by Sean Rudden, URS Corporation, regarding demographics and characteristics of rural communities in Fresno County, March 19, 2010.
- Infogroup. 2013. "ReferenceUSA." U.S. Businesses database. http://www.referenceusa.com/.
- Kantor, Shawn. 2008. *The Economic Impact of the California High-Speed Rail in the Sacramento/Central Valley Area*. University of California, Merced. September 2008. http://www.cahighspeedrail.ca.gov/assets/0/152/d66a6336-5641-498c-b9e8-5ca4a1d727bb.pdf.
- Kern County. 2008. *Kern County Spatial Crop Data*. Kern County, Department of Agriculture and Measurement Standards.
- ——. 2009. Final Budget 2009-2010. 2009. http://www.co.kern.ca.us/cao/budget/fy0910/adopt/finalbudget.pdf (accessed January 4 2010).
- Kings County. 2007. "Crop Statistics." Department of Agriculture Measurement Standards. http://www.countyofkings.com/ag%20commissioner/Crop%20Report.html.
- Kinney, Chuck. 2010. Deputy Director of Planning, Kings County Community Development Department, Hanford, CA. Telephone interview by Sean Rudden, URS Corporation, regarding demographics and characteristics of rural communities in Kings County. March 19, 2010.
- Loopnet. 2010. "Commercial and Industrial Real Estate Database Search." http://www.loopnet.com (accessed July 3, 2010).
- North of the River Recreation and Park District. 2009. *North of River District Map*. http://www.norrecreation.org/District_map_for_Printing-BW.pdf (accessed October 20, 2009).
- Prout, Margie. 2010. Executive Assistant, Fresno Rescue Mission, Fresno, CA. Personal email communication with Sean Rudden, URS Corporation, regarding the demographics of the homeless population, July 30, 2010.
- San Joaquin Valley Regional Policy Council. 2010. San Joaquin Valley Blueprint Public Review Draft Summary Report. June 2010.
- Smith, Peter. 2010. Senior Planner, Kern Council of Governments, Bakersfield, CA. Telephone interview with Sean Rudden, URS Corporation, regarding demographics and characteristics of rural communities in Kern County, March 19, 2010.
- Sweeny, Jake. 2010. Community Development Director, City of Shafter, Shafter, CA. Telephone interview by Mara Feeney, URS Corporation, regarding community characteristics of the city of Shafter, February 3, 2010.
- Tulare County. 2010. "Tulare County Spatial Crop Data." Department of the Agricultural Commissioner/Sealer Weight and Measures, Tulare County.

——. 2009. *Recommended Budget 2009-2010.* September 15, 2009. http://www.co.tulare.ca.us/pdfs/200910RecBudget.pdf (accessed March 17, 2010). U.S. Census Bureau. 2000a. "Analysis of U.S. Census Bureau 2000 P20. P20. Household Language by Linguistic Isolation." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010). —. 2000b. "Analysis of 2000 Census SF-1: P4 and SF-3: P88. P4. Hispanic or Latino, and Not Hispanic or Latino by Race, 2000. P88. Ratio of Income in 1999 to Poverty Level, 2000." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010). —. 2000c. H18. "Average Household Size of Occupied Housing Units by Tenure, 2000." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010). ——. 2000d. "SF-1 Summary Table. Demographic and Housing Summary Table." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010). ——. 2000e. "SF-1 Summary Table, Select Housing Characteristics." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010). —. 2000f. "Shafter City, California: Selected Housing Characteristics: 2005-2009." http://factfinder.census.gov/servlet/ADPTable?_bm=y&-geo_id=16000US0671106&qr_name=ACS_2009_5YR_G00_DP5YR4&-ds_name=ACS_2009_5YR_G00_&-_lang=en&-_sse=on. ----. 2000g. Employment Status: 2000: Census 2000 Brief. Issued August 2003. http://www.census.gov/prod/2003pubs/c2kbr-18.pdf. 2001. Emergency and Transitional Shelter Population: 2000. Census Special Reports, CENSR/01-2. http://www.census.gov/prod/2001pubs/censr01-2.pdf (accessed April 12, 2010). —. 2007. "B18101. Sex By Age By Disability Status, 2005–2007." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010). ———. 2008a. "American Community Survey 2006–2008." ---- 2008b. "B16002. Household Language by Linguistic Isolation: 2008." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010). 2008c. "Data Profile. Selected Housing Characteristics: 2008." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010). —. 2008d. "Data Tables. Demographic and Housing Estimates: 2008." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010).

- ———. 2009. "Price Asked—Universe: Vacant-for-Sale-Only and Sold, Not Occupied Housing Units C25085." http://factfinder.census.gov/home/saff/main.html?_lang=en (accessed January 19, 2010).
- U.S. Department of Labor. 1997. *A Profile of U.S. Farmworkers: Demographics, Household Composition, Income and Use of Services*. U.S. Department of Labor, Office of the Assistant Secretary for Policy, Office of Program Economics, Research Report No. 6. April 1997.
- University of the Pacific. 2012. *California and Metro Forecast April 2012*. Eberhardt School of Business. April 30, 2012.
- Waters, Jason. 2010. Regional Planner, Tulare Council of Governments, Visalia CA. Telephone interview by Sean Rudden, URS Corporation, regarding demographics and characteristics of rural communities in Kings County, March 19, 2010.
- Zillow. 2010. "Home Real Estate Database Search." http://www.zillow.com/homes/ (accessed July 7, 2010).

Section 3.13 Station Planning, Land Use, and Development

- Bryant, Dave. 2012. Special Project Manager, County of Tulare Resource Management Agency. Personal communication via email with Nicole Keeler, URS Corporation. May 16. 2012.
- California High-Speed Rail Authority (Authority). 2011a. *HST Station Area Development: General Principles and Guidelines*. Sacramento, CA: California High-Speed Rail Authority, February 3, 2011.
- ——. [2010] 2011b. Urban Design Guidelines. Sacramento, CA. Revised 2011.
- ——. 2012b. California High-Speed Rail Program: Revised 2012 Business Plan. Sacramento, CA: California High-Speed Rail Authority, April 2012. http://www.hsr.ca.gov/About/Business_Plans/2012_Business_Plan.html.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2008. Bay Area to Central Valley High-Speed Train (HST) Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final. Volume 1. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2008. http://www.hsr.ca.gov/Programs/Environmental Planning/bay area.html
- Cambridge Systematics, Inc. 2007. *Bay Area/California High-Speed Rail Ridership and Revenue Forecasting Study: Statewide Model Validation*. Prepared for the Metropolitan Transportation Commission and the California High-Speed Rail Authority. July 2007. http://cdm15025.contentdm.oclc.org/cdm4/item_viewer.php?CISOROOT=/p266401coll4 &CISOPTR=1317&CISOBOX=1&REC=4.
- Center for Urban Infrastructure. 2010. *Thinking Ahead–High-Speed Rail in Southern California*. Irvine, CA: University of California, Irvine, Institute of Transportation Studies.
- City of Bakersfield. 2010. "Land Use GIS Spatial Data." Updated July 2010. http://www.bakersfieldcity.us/gis/downloads/gis_spatial_data.htm. Accessed July 21, 2011.



- City of Bakersfield and County of Kern. 2007. *Metropolitan Bakersfield General Plan*. December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/mbgptoc.pdf.
- City of Corcoran. 2007. *Corcoran General Plan 2025: Policies Statement*. Visalia, CA: Quad Knopf, March 19, 2007. http://www.cityofcorcoran.com/civica/filebank/blobdload.asp?BlobID=3439.
- City of Fresno Planning and Development Department. 1989. *Central Area Community Plan*. Fresno, CA: Housing and Community Development Department Redevelopment Division. July 1989. http://www.fresno.gov/NR/rdonlyres/846736A2-DE15-4BB6-8AB3-97625D1203DF/0/CentralAreaCommunityPlan.pdf.
- ——. 1992. *Roosevelt Community Plan*. Fresno, CA: Development Department Planning Division. April 1992. http://www.fresno.gov/NR/rdonlyres/7F10E8AA-3959-43D0-8D56-EC26268934DC/0/RooseveltCommunityPlan.pdf.
- ——. 2002. 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf (accessed January 2011).
- ——. 2009a. Existing Land Use (GIS shapefile: elu.shp). http://www.fresno.gov/Government/DepartmentDirectory/InformationServices/GIS/Layer s.htm (accessed May 27, 2011).
- ——. 2009b. *Zoning* (GIS shapefile: zoning.shp). http://gis4u.fresno.gov/downloads/zoning.zip. Accessed May 27, 2011.
- ——. 2010. The Fulton Corridor Specific Plan and the Downtown Neighborhoods Community Plan. http://fresnodowntownplans.com/project/details/fcsp.
- City of Hanford. 2002. *City of Hanford 2002 General Plan Update*. Hanford, CA: City of Hanford, adopted June 18, 2002. http://www.ci.hanford.ca.us/depts/cd/planning/zoning_and_land_use/general_plan.asp.
- ———. 2009. *Live Oak Master Plan*. Approved September 15, 2009. Prepared by RRM Design Group. Accessed December 2011.
- City of Shafter City of Shafter. 2005. *City of Shafter General Plan.* Prepared by LSA Associates, Inc. Shafter, CA: City of Shafter, April 2005. http://shafter.com/DocumentCenter/Home/View/242.
- ——. 2006. Orchard Park Final Specific Plan. Newport Beach and Irvine, CA: Sage Community Group and RGP Planning and Development Services. July 2006. http://shafter.com/DocumentView.aspx?DID=65.
- City of Tulare. 2011. Climate Action Plan.
- City of Visalia. 1991. City of Visalia General Plan.
- City of Wasco. [2002] 2010. *City of Wasco General Plan*. Adopted 2002. Updated June 2010. http://www.ci.wasco.ca.us/Public_Documents/WascoCA_Planning/S0265498B-02B11703 Land Use Map.

- Council of Fresno County Governments (Fresno COG). 2010. 2011 Regional Transportation Plan: Long-Range Transportation Vision for the Fresno County Region for the Years 2010 to 2035. Fresno, CA: Council of Fresno County Governments, July 29, 2010. http://www.fresnocog.org/rtp.
- Fresno County. 2000. Fresno County General Plan. General Plan Update. Fresno, CA. October 3, 2000. Prepared by General Plan Consultant Team, Fresno County Staff. http://www.co.fresno.ca.us/DepartmentPage.aspx?id=19705&terms=general+plan.
- ———. 2011. Laton Community Plan Update. Fresno, CA. Prepared by URS Corporation, Fresno County Staff. November 2011. http://www.co.fresno.ca.us/ViewDocument.aspx?id=43594. Accessed December 27, 2011.
- Kern Council of Governments (KCOG). 2010. 2011 Final Regional Transportation Plan. Bakersfield, CA: Kern COG, July 15, 2010. http://www.kerncog.org/images/docs/rtp/2011_RTP.pdf.
- Kern County. 1994. Western Rosedale Specific Plan. http://www.naco.org/programs/csd/Healthy%20Counties%20Resources/kern%20county %20western%20rosedale%20specific%20plan.pdf.
- ——. 2009. "County Land Use Data." http://www.co.kern.ca.us/gis/downloads.asp. Accessed May 27, 2011.
- Kern County Planning Department. 2009. *Kern County General Plan*. September 2009. http://www.co.kern.ca.us/planning/pdfs/kcgp/KCGP.pdf.
- Kings County Association of Governments (KCAG). 2010. 2011 Kings County Regional Transportation Plan. Hanford, CA: Kings County Association of Governments, adoption July 28, 2010. http://www.kingscog.org/assets/2011%20RTP.pdf.
- Kings County Community Development Agency. 2010. *2035 Kings County General Plan.* January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html.
- Kings County Local Agency Formation Commission (LAFCo). 2007. *City and Community District Sphere of Influence Update.*
- San Joaquin Valley Regional Policy Council (SJVCOGS). 2010. San Joaquin Valley Blueprint Planning Process, Summary Report. Prepared by Mintier Harnish. September 2010. http://www.valleyblueprint.org/news/2010/10/13/ blueprint-roadmap-summary-final-report.html.
- Smith, Brian. 2014. City Planner, City of Visalia, Visalia, CA. Telephone interview with Katrina Hardt-Holoch, URS Corporation, regarding the status of the Visalia General Plan Update, January 13, 2014.
- Transit Cooperative Research Program. 2004. *Transit-Oriented Development in the United States:* Experiences, Challenges, and Prospects.
- _____. 2012. Tulare County General Plan 2030 Update August 2012.
- Tulare County Association of Governments. 2010. *2011 Regional Transportation Plan.* Visalia, CA: TCAG, July 19, 2010. http://www.tularecog.org/DocumentCenter/View/41.



University of California at Berkeley. 2010. *Transit-Oriented Development (TOD) Design Proposals for Fresno, Final Report.* Berkeley, CA. Revised June 2010.

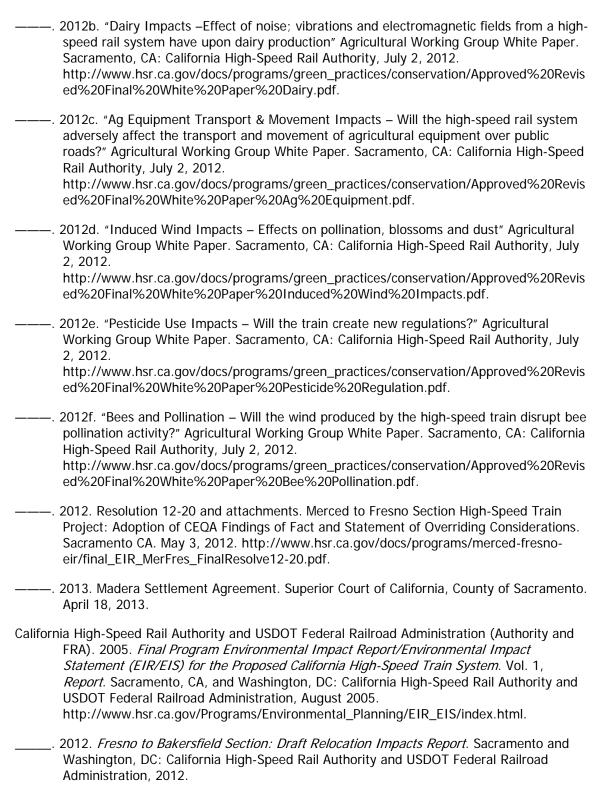
Section 3.14 Agricultural Lands

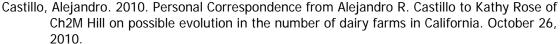
- Alfson, Karen. 2011. Agriculture Standard Specialist III, Fresno County Agriculture Commission, Fresno, CA. Personal communication with Bart Bohn, URS Corporation, regarding aerial spraying of pesticides and herbicides near railroads, April 20, 2011.
- Arroyo, Ruben. 2011. Agriculture Commissioner, Kern County, Bakersfield, CA. Personal communication with Bart Bohn, URS Corporation, regarding aerial spraying of pesticides and herbicides near railroads, April 20, 2011.
- Brandt, Judy. 2011. Agriculture Inspector, Tulare County, Visalia, CA. Personal communication with Bart Bohn, URS Corporation, regarding aerial spraying of pesticides and herbicides near railroads, April 20, 2011.
- California Department of Conservation (DOC). 2004. A Guide to the Farmland Mapping and Monitoring Program. Division of Land Resource Protection.
 http://www.conservation.ca.gov/dlrp/fmmp/Documents/fmmp_guide_2004.pdf. Accessed October 2009.

 ——. 2008a. Williamson Act Mapping Categories.
- 2008a. Williamson Act Mapping Categories.
 ftp://ftp.consrv.ca.gov/pub/dlrp/WA/Map%20and%20PDF/WA%20map%20text.doc.
 Accessed December 2009.
 2008b. "Tabular and Text Summaries of Important Farmland Data."
 http://www.conservation.ca.gov/dlrp/fmmp/products/Pages/ReportsStatistics.aspx.
 Accessed September 19, 2010.
 2009. "Williamson Act Land Data."
 2010. The California Land Conservation (Williamson) Act 2010 Status Report. Sacramento,
 CA. November 2010.
 2010. "Important Farmland Data: 2006–2008."
 http://redirect.conservation.ca.gov/DLRP/fmmp/product_page.asp. Accessed September
- California Department of Food and Agriculture (CDFA). 2009. *California Agricultural Highlights, 2008–2009*. The California Agricultural Resource Directory. Sacramento, CA: CDFA, 2009. http://www.cdfa.ca.gov/statistics/files/AgHighlightsBrochure09.pdf (accessed January 2010).
- ——. 2010. "California Agricultural Resources Directory 2009–2010." http://www.cdfa.ca.gov/statistics. Accessed January 2010.
- California Department of Water Resources (DWR). Land Use Survey, 2007-2009.
- California High-Speed Rail Authority. (Authority). 2012a. "Irrigation Systems Will the delivery of agricultural water be impacted by the high-speed train?" Agricultural Working Group White Paper. Sacramento, CA: California High-Speed Rail Authority, July 2, 2012. http://www.hsr.ca.gov/docs/programs/green_practices/conservation/Approved%20Revis ed%20Final%20White%20Paper%20Irrigation.pdf.



18, 2010.





- CH2M Hill, Inc. 2010. HST Tour of Agricultural Lands, Technical Memorandum Summary. June 28, 2010. Prepared for HST Project Management Team by Kathy Rose from CH2M Hill. July 14, 2010.
- City of Bakersfield and Kern County. 2007. *Metropolitan Bakersfield General Plan*. December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/mbgptoc.pdf (accessed January 2011).
- City of Fresno. 2002. 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf (accessed January 2011).
- City of Hanford. 2002. *City of Hanford 2002 General Plan Update*. Hanford, CA: City of Hanford, adopted June 18, 2002. http://www.ci.hanford.ca.us/depts/cd/planning/zoning_and_land_use/general_plan.asp.
- City of Shafter City of Shafter. 2005. *City of Shafter General Plan.* Prepared by LSA Associates, Inc. Shafter, CA: City of Shafter, April 2005. http://shafter.com/DocumentCenter/Home/View/242.
- City of Wasco. 2010. *City of Wasco General Plan*. Adopted October 2002, Updated June 2010. http://www.ci.wasco.ca.us/Public_Documents/WascoCA_Planning/S0265498B-02B11703.
- DOC. See California Department of Conservation.
- Federal Railroad Administration (FRA). 1999. "Procedures for Considering Environmental Impacts." In *Federal Register*, Vol. 64, No. 101, 28545–28556. May 26, 1999.
- ——. 2005. Federal Railroad Administration (FRA). 2005. High-Speed Ground Transportation Noise and Vibration Impact Assessment. Washington, DC: U.S. Department of Transportation, FRA October 2005. http://www.fra.dot.gov/downloads/RRDev/final_nv.pdf.
- Fresno County. 2000. Fresno County General Plan. Updated March 25, 2003.
- ———. 2003. Fresno County General Plan (Goal LU-A).
- Gage, Terry. 2010. Executive Director, California Agricultural Aircraft Association, Lincoln, CA. Telephone interview regarding aerial application restrictions with John Deaton/CH2M HILL, August 30, 2010.
- Hansen, Dennis. 2011. Owner, Kerman Air Services, Kerman, CA. Personal communication with Bart Bohn, URS Corporation, regarding length of time for aerial application of pesticides to agricultural fields, April 20, 2011.
- Kern County, Department of Agriculture and Measurement Standards. 2009. 2009 Agricultural Crop Report. http://www.kernag.com/caap/crop-reports/crop00_09/crop2009.pdf
- Kern County Planning Department. 2009. *Kern County General Plan*. http://www.docstoc.com/docs/34048478/Kern-County-General-Plan.
- Kings County Community Development Agency. 2010. 2035 Kings County General Plan. January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html (accessed November 2012).

- Kings County Department of Agriculture. 2009. 2009 Kings County Crop Report. October 2009. http://kingscountyag.wordpress.com/.
- Kovalcik, K., and J. Sottnik. 1971. The effect of noise on the milk efficiency of cows. Zivocrisna Vyroba 16:795.
- Manci, K.M., D.N. Gladwin, R. Villella, and M.G. Cavendish. 1988. Effects of aircraft noise and sonic booms on domestic animals and wildlife: a literature synthesis. NREC 88/29, AFESC TR 88-14. US Fish Wildlife Serv., Natl. Ecol. Res. Ctr., Fort Collins, CO.
- Neppert and Sanderson. 1977. *Comparison of Modeled and Measured Results and Theory of High-Speed Train Aerodynamics.* Berlin, Germany. April 1977.
- Reed, William. 2014. CA State Resources Inventory Coordinator, U.S. Department of Agriculture, Natural Resource Conservation Service (NRCS). Personnel Communication with Sean Rudden regarding NRCS-CPA-106 Forms. March 12, 2014.
- San Joaquin Valley Regional Planning Agencies. 2009. "San Joaquin Valley Blueprint Update." April 2009. http://www.valleyblueprint.org.
- Sterling, Mark, and Chris Baker. 2010. School of Engineering, University of Birmingham, United Kingdom. Telephone communication with Mark Bennett, CH2M HILL, regarding slipstreams of high-speed trains, August 23, 2010.
- Tulare County. 20012. *Tulare County General Plan*. http://generalplan.co.tulare.ca.us/documents.html.
- Tulare County Agriculture Commissioner/Sealer. 2009. 2009 Tulare County Annual Crop and Livestock Report. May 2009. http://agcomm.co.tulare.ca.us/default/?LinkServID=A3199C8C-F1F6-BDD5-85375618222DDE21&showMeta=0.
- U.S. Department of Agriculture (USDA). 2009. "2007 Census of Agriculture." http://www.agcensus.usda.gov/Publications/2007/Full_Report/. Accessed February 5, 2013.

Section 3.15 Parks, Recreation, and Open Space

- California High-Speed Rail Authority (Authority). 2012. *Bay Area to Central Valley High-Speed Train Partially Revised Final Program Environmental Impact Report (EIR)*. Sacramento, CA: California High-Speed Rail Authority, April 2012.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005.
- ——. 2008. Bay Area to Central Valley High-Speed Train (HST) Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final. Volume 1. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2008.

- California State Parks. 2009. "Virtual Tour of Allensworth's Buildings." State of California, California Department of Parks and Recreation, 2009. http://www.parks.ca.gov/?page_id=25525 (accessed March 7, 2010).
- Forrest, Suzanne. 2014. Senior Planner, City of Shafter, Shafter, CA. Telephone interview regarding proposed Orchard Park Specific Plan with Jeff Horn, Environmental Planner, URS Corporation. March 6, 2014.
- Parsons Brinckerhoff. 2013. "Access Control for High-Speed Rail Right-of-Way and Facilities." Prepared for California High-Speed Rail Program Management Team. Sacramento, CA: California High-Speed Rail Authority, PMT-CHSRA-03479, June 28, 2013.
- Sage Community Group, Inc. 2006. *Orchard Park Final Specific Plan.* Shafter, CA: Sage Community Group, Inc., July 2006. http://shafter.com/DocumentView.aspx?DID=65 (accessed October 15, 2009).
- U.S. Geological Survey (USGS). 2012. U.S. Geographic Names Information System. Reston, VA: U.S. Geological Survey, U.S. Geological Survey, 2012. http://geonames.usgs.gov/domestic/metadata.htm.

Section 3.16 Aesthetics and Visual Resources

California Department of Transportation (Caltrans). 2007. "Visual and Aesthetics Review." Chapter 27 in Standard Environmental Reference. http://www.dot.ca.gov/ser/vol1/sec3/community/ch27via/chap27via.htm. Accessed November 1, 2009. ---. 2010. "Officially Designated State Scenic Highways." http://www.dot.ca.gov/hg/LandArch/scenic/schwy.htm. --.. 2011. Director's Policy Context Sensitive Solutions. DP-22. January 29, 2011. California High-Speed Rail Authority (Authority) 2011a. Aesthetic Guidelines for Non-Station Structures (TM 200-06). ———. 2011b. Urban Design Guidelines for the California High Speed Train Project. California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. http://www.hsr.ca.gov/Programs/Environmental_Planning/EIR_EIS/index.html. 2012. Fresno to Bakersfield Section: Aesthetics and Visual Resources Technical Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration. 2012. City of Bakersfield. 2005a. Implementation Plan for the Downtown Bakersfield Redevelopment Project. ———. 2005b. Redevelopment Plan for the Old Town Kern–Pioneer Redevelopment Project. ---. 2007a. "Land Use Element." In: Metropolitan Bakersfield General Plan. Bakersfield, CA. December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbqp/mbqptoc.pdf.

- ---. 2007b. "Open Space Element." In: *Metropolitan Bakersfield General Plan*. Bakersfield, CA: December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/mbgptoc.pdf (accessed January 2011). City of Bakersfield and Kern County. 1985. "Kern River Plan Element: An Integral Part of the City of Bakersfield General Plan and the Kern County General Plan." In: Metropolitan Bakersfield General Plan and Kern County General Plan. Bakersfield, CA: City of Bakersfield and Kern County Planning Department, July 1985. ——. 2007. *Metropolitan Bakersfield General Plan*. December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/mbgptoc.pdf. City of Corcoran. 2007. "Land Use Element." In: Corcoran General Plan 2025: Policies Statement. Visalia, CA: Quad Knopf. March 19, 2007. http://www.cityofcorcoran.com/civica/filebank/blobdload.asp?BlobID=3439 (accessed August 2010). City of Fresno. 1991. City of Fresno Tower District Specific Plan. Policy 9. ---. 1998. Highway City Neighborhood Specific Plan. Prepared by the Development Department, Planning Division. Adopted January 6, 1998. Plan. http://www.fresno.gov/NR/rdonlyres/2DAE1663-C2C8-44D4-8A60-3712E6E3E61C/0/WestAreaCommunityPlan.pdf. —. 2002b. "Historic Preservation, Cultural Resources, and Entertainment Element." 2025 Fresno General Plan. February 1, 2002. -. 2002c. "Open Space/Recreation Element." 2025 Fresno General Plan. Prepared by the Planning and Development Department. February 1, 2002. 2010. "Project Information: The Fulton Corridor Specific Plan and the Downtown Neighborhoods Community Plan." http://fresnodowntownplans.com/project/details/fcsp (accessed September 2010). City of Fresno Planning and Development Department. 2002. 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf (accessed January 2011). City of Hanford. 2002a. "Circulation Element, Policy CI-9.3, CI-9.4." In: City of Hanford 2002 General Plan Update. Hanford, CA: City of Hanford, adopted June 18, 2002. http://www.ci.hanford.ca.us/depts/cd/planning/zoning_and_land_use/general_plan.asp. 2002b. "Open Space, Conservation & Recreation Element, Policy OCR 5.4." In: City of Hanford 2002 General Plan Update. Hanford, CA: City of Hanford, adopted June 18, 2002. http://www.ci.hanford.ca.us/depts/cd/planning/zoning_and_land_use/general_plan.asp.
- City of Shafter City of Shafter. 2005. *City of Shafter General Plan.* Prepared by LSA Associates, Inc. Shafter, CA: City of Shafter, April 2005. http://shafter.com/DocumentCenter/Home/View/242.

- City of Wasco. [2002] 2010. "Land Use Element." In *City of Wasco General Plan*. Prepared by Quad Knopf. Wasco, CA: City of Wasco, adopted October 2002, last amended 2010. http://www.ci.wasco.ca.us/general-plan/ (accessed September 2010).
- Federal Highway Administration (FHWA). 1988. Visual Impact Assessment for Highway Projects.
- Fresno County. 2000a. "Agriculture and Land Use Element." In *Fresno County General Plan*. Fresno, CA. October 3, 2000. http://www2.co.fresno.ca.us/4510/4360/General_Plan/GP_Final_policy_doc/AgElement_r j.pdf (accessed August 2010).
- ——. 2000b. "Open Space and Conservation Element." In Fresno County General Plan. Fresno, CA. October 3, 2000. http://www2.co.fresno.ca.us/4510/4360/General_Plan/GP_Final_policy_doc/Open_Space_Element_rj.pdf (accessed August 2010).
- Kern County Planning Department. 1985. "Kern River Plan Element." In: *An Integral Part of the City of Bakersfield General Plan and the Kern County General Plan*. July 1985. http://www.co.kern.ca.us/planning/pdfs/kcgp/kern_river_plan_ocr.pdf (accessed August 2010).
- ——. 2009a. "Circulation Element." In: Kern County General Plan. Bakersfield, CA. March 13, 2007. http://www.co.kern.ca.us/planning/pdfs/kcgp/KCGPChp2Circulation.pdf (accessed August 2010).
- ——. 2009b. "Land Use, Open Space, and Conservation Element." In: Kern County General Plan. Bakersfield, CA. March 13, 2007. http://www.co.kern.ca.us/planning/pdfs/kcgp/KCGPChp1LandUse.pdf (accessed August 2010).
- Kings County Community Development Agency. 2010a. "Open-Space Element." In: 2035 Kings County General Plan. January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html. (accessed November 2012).
- ——. 2010b. "Resource Conservation Element." In: 2035 Kings County General Plan. January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html. (accessed November 2012).
- Tulare County. 2012. *General Plan 2030 Update*. http://generalplan.co.tulare.ca.us/documents/GeneralPlan2010/ GeneralPlan2030Update.pdf. Accessed May 2011.

Section 3.17 Cultural and Paleontological Resources

- Advisory Council on Historic Preservation (ACHP). 2004. Final Rule: Revision to Current Regulations, RIN 3010-AA06. www.achp.gov/regspreamble-rev04.pdf. Accessed May 2011).
- Angel, J.L. 1966. "Early Skeletons from Tranquility, California." *Smithsonian Contributions to Anthropology* 2(1):1–19. Washington, DC: Smithsonian Institution.
- Architectural Resources Group. 2006. *Chinatown Historic Resource Survey*. San Francisco, CA: Architectural Resources Group, 2006.



- California Division of Mines and Geology (CDMG). 1966. "Geologic Map of California. Fresno Sheet." Department of Conservation (CDOC), scale 1:250000.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2011a. Section 106 Programmatic Agreement Among the Federal Railroad Administration, the Advisory Council on Historical Preservation, the California State Historic Preservation Officer, and the California High-Speed Rail Authority Regarding Compliance with Section 106 of the National Historic Preservation Act.
- ---. 2011b. Fresno-Bakersfield Archaeological Identification and Evaluation Plan. ----. 2011c. California High-Speed Train Fresno to Bakersfield Archaeological Survey Report (ASR). Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, July 2011. 2011d. California High-Speed Train Fresno to Bakersfield Historic Architectural Survey Report (HASR). Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, July 2011. 2011e. California High-Speed Train Fresno to Bakersfield Historic Property Survey Report (HPSR). Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, July 2011. —. 2011f. California High-Speed Train Fresno to Bakersfield Paleontological Resource Survey Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2012. 2012a. California High-Speed Train Fresno to Bakersfield Supplemental Archaeological Survey Report (Supplemental ASR). Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, July 2012. ---. 2012b. California High-Speed Train Fresno to Bakersfield Supplemental Historic Architectural Survey Report (Supplemental HASR). Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2012. 2012c. California High-Speed Train Fresno to Bakersfield Supplemental Historic Property Survey Report (Supplemental HPSR). Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2012.
- ——. 2012d. California High-Speed Train Fresno to Bakersfield Supplemental Paleontological Resource Survey Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, Prepared by PaleoResource Consultants.
- ——. 2012e. Fresno to Bakersfield Section: Noise and Vibration Technical Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2012.
- ——. 2012f. Fresno-Bakersfield Geoarchaeological Investigation. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration 2012.
- ———. 2013a. California High-Speed Train Fresno to Bakersfield: Second Supplemental Historic Architectural Survey Report .

----. 2013b. California High-Speed Train Fresno to Bakersfield: Second Supplemental Historic Property Survey Report. ——. 2013c. Supplemental FOE report for the Merced to Fresno Section (Authority and FRA) California Office of Historic Preservation (OHP). 1976. California Inventory of Historic Resources. Sacramento: California Department of Parks and Recreation. —. 1990. California Historical Landmarks. Sacramento: Resource Agency, California Department of Parks and Recreation. Updated 1996. Department of Parks and Recreation. ——. 1995. Instructions for Recording Historical Resources. Sacramento: OHP.8. ——. n.d. "Historic Structures Report Manual." http://ohp.parks.ca.gov/pages/1069/files/historic%20structure%20report%20format.pdf. Chase, Paul G. 1994. Archaeological Survey Report and Extended Survey for the Proposed AMTRAK Station in Bakersfield, California. Bakersfield, CA: Southern San Joaquin Valley Archaeological Information Center, June 1994. City of Bakersfield. 2010. Bakersfield Municipal Code. http://www.qcode.us/codes/bakersfield/. City of Bakersfield and Kern County. 2007. "Land Use Element." In: Metropolitan Bakersfield General Plan. December 11, 2007. http://www.co.kern.ca.us/planning/pdfs/mbqp/mbqptoc.pdf (accessed June 3, 2011). City of Corcoran. 2007. Corcoran General Plan 2025: Policies Statement. Visalia, CA: Quad Knopf, March 19, 2007. http://www.cityofcorcoran.com/civica/filebank/blobdload.asp?BlobID=3439. ---. 2009. Corcoran City Code. Title 9, Chapter 9, Section 9-9-5. City of Fresno. 2010. Fresno Code of Ordinances. Chapter 12, Article 16, "Historic Preservation Ordinance." http://www.fresno.gov/Government/DepartmentDirectory/ PlanningandDevelopment/Planning/HistoricPreservation/default.htm. Accessed June 3, 2011. ———. 2012. "Chinatown Historic Survey." http://www.fresno.gov/Government/DepartmentDirectory/DARM/HistoricPreservation/His toricSurveys.htm Accessed February 5. 2013. City of Fresno Planning and Development Department. 2002. 2025 Fresno General Plan. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf. Accessed on June 3, 2011. City of Hanford. 2002. "Open Space, Conservation & Recreation Element." In: City of Hanford 2002 General Plan Update. Hanford, CA: City of Hanford, adopted June 18, 2002. http://www.ci.hanford.ca.us/depts/cd/planning/zoning_and_land_use/general_plan.asp.

———. 2009. Hanford Municipal Code. Title 17, Chapter 17.36.

- City of Shafter City of Shafter. 2005. *City of Shafter General Plan.* Prepared by LSA Associates, Inc. Shafter, CA: City of Shafter, April 2005. http://shafter.com/DocumentCenter/Home/View/242.
- ——. 2010. Shafter Code of Ordinances. http://library.municode.com/index.aspx?clientId=16892&stateId=5&stateName=Californi C. Accessed June 6, 2011.
- City of Wasco. 2010. *Wasco Municipal Code*. http://www.codepublishing.com/ca/Wasco/. Accessed June 6, 2011.
- Davis, Alan, and Kathi Cursi. 1977. "Archaeological Site Survey Record for P-54-000473."

 Laboratory of Archaeology, Department of Anthropology, California State University,
 Fresno. On file at URS, Oakland, CA.
- Dillon, Brian D. 2000. "Preliminary Report on Excavations at the Creighton Ranch Site (CA-TUL-1613), Tulare County, California." In: *Background to a Study of Tulare Lake's Archaeological Past.* Edited by W.J. Wallace and F.A. Riddell. Tulare Lake Archaeological Research Group.
- Federal Railroad Administration (FRA). 2005. High-Speed Ground Transportation Noise and Vibration Impact Assessment. Washington, DC: U.S. Department of Transportation, FRA October 2005. http://www.fra.dot.gov/eLib/Details/L02562 (accessed January 2011).
- Fogerty, J., and H. Calicher. 2003. "Archaeological Site Record, P-16-000212." On file at the South San Joaquin Valley Information Center.
- Fredrickson, David A. [1983] 1986. "Buena Vista Lake (CA-KER-116) Revisited." Originally in: *Symposium: A New Look at Some Old Sites*. Papers from the symposium organized by Francis A. Riddell, presented at the annual meeting of the Society for California Archaeology, March 23–26, 1983, San Diego, California. *Coyote Press Archives of California Prehistory* 6:75–81. http://www.californiaprehistory.com/reports02/rep0029.html. Accessed June 14, 2010.
- Fredrickson, D.A., and J.W. Grossman. 1977. "A San Dieguito Component at Buena Vista Lake, California." *The Journal of California Anthropology* 4(2):173–190.
- Fresno County. 2000. "Open Space and Conservation Element." In: *Fresno County 2000 General Plan.* http://www.co.fresno.ca.us/departmentpage.aspx?id=19705.
- ——. 2010. "Historical Buildings." In: Fresno County Code of Ordinances. Title 15, Chapter 15.04, Section 15.04.160. http://search.municode.com/html/16361/level2/T15_C15.04.html#T15_C15.04_15.04.16 0. Accessed June 6, 2011.
- Gerow, Bert. 1974. "Co-traditions and Convergent Trends in Prehistoric California." San Luis Obispo County Archaeology Society Occasional Papers, No. 8. San Luis Obispo.
- Gifford, Edward W., and W. Egbert Schenck. 1926. "Archaeology of the Southern San Joaquin Valley, California." *University of California Publications in American Archaeology and Ethnology* 23(1).
- Hartzell, L.L. 1992. "Hunter-Gatherer Adaptive Strategies and Lacustrine Environments in the Buena Vista Lake Basin, Kern County, California." Ph.D. dissertation. University of California, Davis.



- Hattersley-Drayton. 2012. Personal communication via email with Karin Beck, URS Corporation, regarding Fresno Chinatown Tunnel GPR Report. April 11-12, 2012.
- Heizer, R.F., and M.A. Whipple (eds.). 1971. *The California Indians: A Source Book*. Berkeley: University of California Press.
- Hewes, G.W. 1941. "Reconnaissance of the Central San Joaquin Valley." *American Antiquity* 7(2): 123–133.
- J & R Environmental Services. 2007. Memo to Karana Hattersley-Drayton, Historic Preservation, City of Fresno regarding the Old Fresno Chinatown Project Update. October 8, 2007.
- Kern County. 2010. *Kern County Municipal Code*. Title 17. http://www.municode.com/Library/CA/Kern_County. Accessed June 6, 2011.
- Kern County Planning Department. 2009. "Land Use, Open Space, and Conservation Element." In: Kern County General Plan. http://www.co.kern.ca.us/planning/pdfs/kcgp/KCGPChp1LandUse.pdf. Accessed June 6, 2011.
- Kings County Community Development Agency. 2010. 2035 Kings County General Plan. January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html (accessed June 6, 2011).
- Kroeber, Alfred L. 1907. "The Yokuts Language of South Central California." In: *University of California Publications in American Archaeology and Ethnology.* Vol. 2, No. 5, 165–377. Berkeley, CA: University of California Press.
- ——. 1925. Handbook of the Indians of California. Smithsonian Institution, Bureau of American Ethnology, Bulletin 78. Washington, DC: U.S. Government Printing Office. Reprinted 1976. New York: Dover Publications.
- ——. 1963. "Yokuts Dialect Survey." In: *University of California Anthropological Records.* Vol. 11, No. 3: 177–252. Berkeley, CA: University of California Press.
- Latta, F.F. 1977. Handbook of Yokuts Indians. 2nd ed. Santa Cruz, CA: Bear State Book.
- Lindberg, Ted. 2014. Principal Acoustical Scientist, URS, Santa Ana, CA. Personal communication that any construction method that produces less than 0.12 in/sec peak particle velocity (ppv) will be below the threshold for vibration damage to older buildings to Dean Martorana, Senior Archaeologist, URS, Oakland, CA, March 2014.
- Moratto, M. 1984. California Archaeology. Orlando, FL: Academic Press.
- National Park Service (NPS). 1983, Amended 1995. *Archeology and Historic Preservation:*Secretary of the Interior's Standards and Guidelines. http://www.nps.gov/history/local-law/Arch_Standards.htm. Accessed May 11, 2011.
- Newman, Stanley S. 1944. "The Yokuts Language of California." In: *Anthropology*, Vol. 2. New York: Viking Fund Publications.
- OHP. See California Office of Historic Preservation.
- Orfila, R.S. 2010. California Department of Parks and Recreation Primary Record 523 Form, P-54-004737 ("Stoil"). On file at the South San Joaquin Valley Information Center, Bakersfield, CA.



- Peak and Associates, Inc. 1991. *Cultural Resource Assessment of Sample Areas of Naval Petroleum Reserve No. 1, Kern County, California*. Peak and Associates, Sacramento. Report on file, EG&G Energy Measurements, Inc., Naval Petroleum Reserve No. 1, Tupman, CA.
- Porcasi, Judith F. (ed.). 2000. "Investigations at CA-TUL-1613, the Creighton Ranch Site, Tulare County, California." Tulare Lake Archaeological Research Group.
- Ptomey, S., and L. Wear. 1989. "Archaeological Site Record, CA-KER-2507." On file at the South San Joaquin Valley Information Center, Bakersfield, CA.
- Riddell, Francis A. 1951. "The Archaeology of Site KER-74." In: *University of California Archaeological Survey Reports.* Vol. 10, pp. 1–29. Berkeley: University of California.
- Sanborn (Sanborn Map and Publishing Company). 1906. *City of Fresno.* New York: Sanborn Map and Publishing Company, Limited. Fire Insurance Map. 1906.
- ——. 1918. *City of Fresno.* New York: Sanborn Map and Publishing Company, Limited. Fire Insurance Map. 1918.
- Shipley, William. 1978. "Native Languages in California." In: *Handbook of North American Indians*, Vol. 8, *California*. Robert F. Heizer (volume editor). Washington, DC: Smithsonian Institution. pp. 80–90.
- Siefkin, Nelson. 1999. "Archaeology of the Redtfeldt Mound (CA-Kin-66), Tulare Basin, California." Master's thesis, California State University, Bakersfield.
- Siefkin, Nelson, Gerrit L. Fenenga, and Jay C. Werlhof. 1996. "Early Salvage Archaeology in Kern County: Investigations at the Buena Vista Golf Course Site (CA-KER-240), California." Kern County Archaeological Society Journal, Volume 7.
- Smith, A.R. 1964. "Geologic Map of California. Bakersfield Sheet." California Division of Mines and Geology, scale 1:250000.
- Society of Vertebrate Paleontology Conformable Impact Mitigation Guidelines Committee (SVP). 1995. "Assessment and Mitigation of Adverse Impacts to Nonrenewable Paleontologic Resources: Standard Guidelines." *Society of Vertebrate Paleontology News Bulletin* 163:22–27.
- ——. 1996. "Conditions of Receivership for Paleontologic Salvage Collections." *Society of Vertebrate Paleontology News Bulletin* 166:31–32.
- Sutton, Mark Q. 1996. "A Charmstone Cache from the Southern San Joaquin Valley." *Pacific Coast Archaeological Society Quarterly* 32(4): 41–54.
- Thorne, R.M. 1991. "Stabilization, Protection Lessen Resource Damage." *Federal Archaeology Report*. Vol. 4. No. 1. Washington, DC: USDI, National Park Service, Archaeological Assistance Division.
- Tulare County. 2012. *Tulare County General Plan 2030 Update*. http://generalplan.co.tulare.ca.us/documents/GeneralPlan2010/GeneralPlan2030Update. pdf.
- Walker, E.F. 1947. *Excavation of a Yokuts Cemetery*. Bakersfield, CA: Kern County Historical Society.

- Wallace, W.J. 1954. "The Little Sycamore Site and the Early Millingstone Cultures of Southern California." *American Antiquity* 20:112–123.
- ——. 1978. "Southern Valley Yokuts." In: *Handbook of North American Indians*, W.C. Sturtevant (general editor), Vol. 8, *California*, 448–461. R.F. Heizer (volume editor). Washington, DC: Smithsonian Institution.
- Wallace, W.J., and Francis Riddell. 1988. "Archaeological Background of Tulare Lake, California." In: *Early 7 Occupations in Far Western North America: The Clovis-Archaic Interface.*Judith A. Willig, C. Melvin Aikens, and John L. Fagan (editors). Nevada State Museum Anthropological Papers No. 21. pp. 87–101.
- Warren, Claude N., and M.B. McKusick. 1959. "A Burial Complex from the Southern San Joaquin Valley." In: *Archaeological Survey Annual Report*. University of California, Los Angeles, 17–26.
- Wedel, W.R. 1941. "Archaeological Investigations at Buena Vista Lake, Kern County, California." Bureau of American Ethnology Bulletin 130. Washington, DC: Smithsonian Institution.
- Williams-Schlater, Dorthea. 2005. Lakeside Cemetery, Kings County.

 http://files.usgwarchives.net/ca/kings/cemeteries/lakeside. Photographs available at: www.usgwarchives.net/ca/kings/photos/tombstones/lakeside. Accessed April 5, 2011.
- Wilson, Ihrig & Associates, Inc, ICF International, and Simpson, Gumpertz and Heger, Inc. 2012. Construction Vibration and Potential Effects to Historic Building Adjacent to Transportation Projects. NCHRP 25-25/Task 72. September. Available at: http://onlinepubs.trb.org/onlinepubs/nchrp/docs/NCHRP25-25(72) FR.pdf, Last accessed March, 17, 2014

Section 3.18 Regional Growth

- Bryant, Dave. 2012. Special Projects Manager, County of Tulare Resource Management Agency. Telephone conversation with Keeler, Nicole, URS, regarding Tulare General Plan update. May 16, 2012.
- California Department of Finance (CDOF). 2010a. "E-5 Population and Housing Estimates for Cities, Counties and the State, 2001-2010, with 2000 Benchmark." May 2010. Sacramento, CA: CDOF, 2010. http://www.dof.ca.gov/research/demographic/reports/estimates/e-5/2001-10/view.php (accessed October 25, 2010).
- ——. 2010b. Population Projections by Race/Ethnicity for California and its Counties 2000-2050 Report 06 P-1. http://www.dof.ca.gov/research/demographic/reports/#projections (accessed June 25, 2010).
- California Employment Development Department (CEDD). 2009a. *Employment by Industry Data Historical Annual Average Data*. http://www.labormarketinfo.edd.ca.gov/?pageid=166 (accessed October 28, 2009).
- ——. 2009b. *Projections of Employment by Industry and Occupation Industry Projections*. http://www.labormarketinfor.edd.ca.gov/?pageid=145 (accessed October 28, 2009).
- ——. 2010. "Labor Force & Unemployment Data." http://www.labormarketinfo.edd.ca.gov/?pageid=164 (accessed September 26, 2010).



2007. http://www.co.kern.ca.us/planning/pdfs/mbgp/mbgptoc.pdf.

- City of Fresno Planning and Development Department. 2002. 2025 Fresno General Plan and Related Draft Environmental Impact Report No. 10130. Fresno, CA: City of Fresno Planning and Development Department, February 1, 2002. http://www.fresno.gov/NR/rdonlyres/94185C20-631B-4677-8750-EFEA9AC23CF4/0/2025GPPrefaceandTableofContents.pdf.
- City of Hanford. 2002. *City of Hanford 2002 General Plan Update*. Hanford, CA: City of Hanford, adopted June 18, 2002. http://www.ci.hanford.ca.us/depts/cd/planning/zoning_and_land_use/general_plan.asp.
- City of Shafter City of Shafter. 2005. *City of Shafter General Plan.* Prepared by LSA Associates, Inc. Shafter, CA: City of Shafter, April 2005. http://shafter.com/DocumentCenter/Home/View/242.
- City of Tulare. 2011. City of Tulare 2010 Urban Water Management Plan. Adopted by June 2011.
- City of Visalia. 2010. City of Visalia Housing Element: Background Report and Policy Document. Prepared by Mintier Harnish. Adopted March 15, 2010.
- City of Wasco. [2002] 2010. *City of Wasco General Plan*. Adopted 2002, Updated June 2010. http://www.ci.wasco.ca.us/general-plan.Council of Fresno County Governments (CFCG). 2007. *2007 Regional Transportation Plan: The Long-Range Transportation Vision for the Fresno County Region for the Years 2007 to 2030*. Fresno, CA: Council of Fresno County Governments, May 31, 2007. http://www.fresnocog.org/files/Planning/2007RTP/Fresno%20COG%202007%20RTP.pdf (accessed July 2010).
- ——. 2010. *2011 Regional Transportation Plan: Long-Range Transportation Vision for the Fresno County Region for the Years 2010 to 2035*. Fresno, CA: Council of Fresno County Governments, July 29, 2010. http://www.fresnocog.org/rtp.
- Cowan, Tadlock (Coordinator). 2005. *California's San Joaquin Valley: A Region in Transition.* Washington, DC: Congressional Research Service Report for Congress, Order Code RL33184. December 12, 2005.
- Fresno County. 2010. Fresno Country 2000 General Plan: Public Review Draft. August 1, 2010. http://www.co.fresno.ca.us/departmentpage.aspx?id=19705.www.co.fresno.ca.us/ViewDocument.aspx?id=44620.
- Kantor, Shawn. 2008. *The Economic Impact of the California High-Speed Rail in the Sacramento/Central Valley Area.* University of California, Merced.
- Kern Council of Governments (Kern COG). [2007] 2009. *Destination 2030 Regional Transportation Plan: Amendment No. 2.* Bakersfield, CA: Kern COG, prepared May 2007, amended July 2009. http://www.mcagov.org/pdfs/2009/6KernAttach3RTP.pdf.
- ——. 2010. *2011 Final Regional Transportation Plan.* Bakersfield, CA: Kern COG, July 15, 2010. http://www.kerncog.org/images/docs/rtp/2011_RTP.pdf.
- Kern County Planning Department. 2009. Kern County General Plan. September 22, 2009.
- Kings County Community Development Agency. 2010. *2035 Kings County General Plan.* January 26, 2010. http://www.countyofkings.com/planning/2035%20General%20Plan.html.



- Kings County Association of Governments (KCAG). 2010. 2011 Kings County Regional Transportation Plan. Hanford, CA: Kings County Association of Governments, adoption July 28, 2010. http://www.kingscog.org/assets/2011%20RTP.pdf.
- ——. 2012. Conformity Analysis for the 2013 Federal Transportation Improvement Program and 2011 Regional Transportation Plan. Adopted July 25, 2012. http://www.mtc.ca.gov/funding/tip/.
- Nelson, Arthur C. 2011. "The New California Dream: How Demographic and Economic Trends May Shape the Housing Market, A Land Use Scenario for 2020 and 2035." *Voices on the Future*. Prepared by the Urban Land Institute. Washington D.C. 2011.
- San Joaquin Valley Regional Policy Council. 2010a. *San Joaquin Valley Blueprint Public Review Draft Summary Report.* September 2010.
- ———. 2010b. San Joaquin Valley Blueprint Planning Process, Summary Report. September 2010.
- Teitz, T.B., C. Dietzel, and W. Fulton. 2005. *Urban Development Futures in the San Joaquin Valley.* Public Policy Institute of California, San Francisco.
- Tulare County. 2012. Tulare County General Plan 2030 Update. August 2012.
- Tulare County Association of Governments (TCAG). 2007. 2007 Final Destination 2030 Regional Transportation Plan. May. http://www.kerncog.org/docs/rtp/2007_RTP_EIR.pdf.
- ——. 2010. *2011 Regional Transportation Plan.* Visalia, CA: TCAG, July 19, 2010. http://www.tularecog.org/DocumentCenter/View/41.
- U.S. Census Bureau. 2000. *Census 2000.* Summary File 1, Matrices P1, P3, P4, P8, P9, P12, P13, P,17, P18, P19, P20, P23, P27, P28, P33, PCT5, PCT8, PCT11, PCT15, H1, H3, H4, H5, H11, and H12.

Section 3.19 Cumulative Impacts

- American Water Works Association (AWWA). 2010. Drinktap.org. "Water Use Statistics." http://www.drinktap.org/consumerdnn/Home/WaterInformation/Conservation/WaterUse Statistics/tabid/85/Default.aspx. Accessed September 29, 2010.
- California Department of Food and Agriculture (CDFA). 2010. "California Agricultural Production Statistics, 2009–2010." Sacramento, CA: CDFA, 2010. http://www.cdfa.ca.gov/statistics (accessed October 17, 2010).
- California Department of Water (DWR). 2009. California Department of Water Resources. 2009. California Water Plan Update 2009. DWR Bulletin No. 160-09, Volume 3.
- California Employment Development Department (CEDD). 2010. "Labor Force and Unemployment Data—Monthly Labor Force Data for Counties, July 2010, Preliminary." www.labormarketinfo.edd.ca.gov/?pageid=164. Accessed August 23, 2010.
- California High-Speed Rail Authority (Authority). 2010. *Draft Environmental Impact Report/Environmental Impact Statement Assessment of California High Speed Train Alignment Electromagnetic Field Footprint*. Prepared by Turner Engineering, July 8, 2010.

- ——. 2012. Bay Area to Central Valley High-Speed Train Partially Revised Final Program Environmental Impact Report (EIR). Sacramento, CA: California High-Speed Rail Authority, April 2012.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. *Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System.* Vol. 1, *Report.* Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. http://www.hsr.ca.gov/Programs/Environmental Planning/EIR EIS/index.html.
- ——. 2008. Bay Area to Central Valley High-Speed Train (HST) Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final. Volume 1. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2008. http://www.hsr.ca.gov/Programs/Environmental_Planning/bay_area.html
- ——. 2012. Fresno to Bakersfield Section: Archaeological Survey Technical Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, July 2012.
- Council of Fresno County Governments (CFCG). 2007. 2007 Regional Transportation Plan: The Long-Range Transportation Vision for the Fresno County Region for the Years 2007 to 2030. Fresno, CA: Council of Fresno County Governments, May 31, 2007. http://www.fresnocog.org/files/Planning/2007RTP/Fresno%20COG%202007%20RTP.pdf.
- DOE. See U.S. Department of Energy.
- Hickman, J.C., Editor. 1993. *The Jepson Manual: Higher Plants of California*. University of California Press. Berkeley, CA.
- Lancaster, R.A. (ed.). 1990. Recreation, Park, and Open-Space Standards and Guidelines.
- San Joaquin Valley Regional Planning Agencies. 2009. "San Joaquin Valley Blueprint Update." April 2009. http://www.valleyblueprint.org.
- ——. 2010. San Joaquin Valley Blueprint Planning Process, Summary Report. Prepared by Mintier Harnish. September 2010. http://www.valleyblueprint.org/news/2010/10/13/blueprint-roadmap-summary-final-report.html.
- U.S. Department of Agriculture (USDA). 2009. "2007 Census of Agriculture". http://www.agcensus.usda.gov/Publications/2007/Full_Report/. Accessed February 5, 2013.
- U.S. Department of Energy (DOE). 2008. "Electric Power and Renewable Energy in California." http://apps1.eere.energy.gov/states/electricity.cfm/state=CA. Accessed November 23, 2009.
- U.S. Environmental Protection Agency (EPA). 2010. "Tulare-Buena Vista Lakes Watershed 18030012." http://cfpub.epa.gov/surf/huc.cfm?huc_code=18030012. Accessed November 4, 2010.

Chapter 4 Section 4(f)/Section 6(f) Eval

- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. http://www.hsr.ca.gov/Programs/Environmental_Planning/EIR_EIS/index.html. 2010a. Fresno to Bakersfield Preliminary Alternatives Analysis Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, June 2010. 2010b. Fresno to Bakersfield Supplemental Alternatives Analysis Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, September 2010. ——. 2011a. California High-Speed Train Fresno to Bakersfield Section: Supplemental Historic Property Survey Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration. October 2011. ---. 2011b. Fresno to Bakersfield Section: Checkpoint B Summary Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, March 2011. ---. 2012. California High-Speed Train Fresno to Bakersfield Section: Revised Supplemental Historic Property Survey Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2012. ----. 2012e. California High-Speed Train Fresno to Bakersfield Section: Noise and Vibration Technical Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, 2012. National Park Service (NPS). 2002. "How to Apply the National Register Criteria for Evaluation." U.S. Department of the Interior, National Park Service. http://www.nps.gov/nr/publications/bulletins/nrb15/nrb15_2.htm. Accessed February 5, 2013. 2010. "Project List by County and Summary Reports, Detailed Listing of Grants - with County Totals." Land and Water Conservation Fund. http://waso-
- Parsons Brinckerhoff. 2013. "Access Control for High-Speed Rail Right-of-Way and Facilities." Prepared for California High-Speed Rail Program Management Team. Sacramento, CA: California High-Speed Rail Authority, PMT-CHSRA-03479, June 28, 2013.

lwcf.ncrc.nps.gov/public/index.cfm. Accessed on April 29, 2010.

U.S. Geographic Names Information System. 2011.

Chapter 5 Project Costs and Operations

California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2012a. Fresno to Bakersfield Section Cost Estimate Report.

______. 2012b. Fresno to Bakersfield Section Preliminary Right-of-Way Requirements Report.



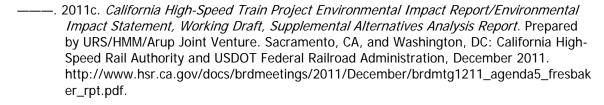
Parsons Brinckerhoff. 2011. *Communications Systems Site Requirements*. TM 3.4.2. Prepared for Federal Railroad Administration and California High-Speed Rail Authority. Sacramento, CA, and Washington, DC: July 2010.

Chapter 6 Other NEPA/CEQA Considerations

[No references cited.]

Chapter 7 Preferred Alternative and Stations

- California High-Speed Rail Authority (Authority). 2007. California High-Speed Train Project, Fresno-Palmdale Region: Visalia-Tulare-Hanford Station Feasibility Study. Final Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA: California High-Speed Rail Authority, August 1, 2007.
 - http://www.hsr.ca.gov/docs/programs/statewide_rail/proj_sections/Fresno_Bakersfield/Visalia_Tulare_Hanford_Station_Feasibility_Study_August_2007_.pdf.
- ——. 2009. "Notice of Preparation." Subject: Notice of Preparation of a Project Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for a Merced to Bakersfield High-Speed Train System. Sacramento, CA: California High-Speed Rail Authority, February 23, 2009.
 - http://www.hsr.ca.gov/Programs/Statewide_Rail_Modernization/Project_Sections/merced_bakersfield.html.
- California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2010a. "Fresno to Bakersfield Section Preliminary Alternatives Analysis." Briefing: June 2010 Board Meeting Agenda Item #6. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 25, 2010. http://www.hsr.ca.gov/docs/programs/statewide_rail/proj_sections/Fresno_Bakersfield/Fresno_to_Bakersfield_Preliminary_Alternatives_Analysis_Briefing_and_Summary.pdf.
- ——. 2010b. California High-Speed Train Project Environmental Impact Report / Environmental Impact Statement, Working Draft, Fresno to Bakersfield Supplemental Alternatives Analysis Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, September 2010.
 - http://www.hsr.ca.gov/Programs/Statewide_Rail_Modernization/Project_Sections/fresno_bakersfield.html.
- ——. 2011a. California High-Speed Train Project Environmental Impact Report / Environmental Impact Statement: Draft, Fresno to Bakersfield Section Draft EIR/EIS. Three volumes. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2011.
 - http://www.hsr.ca.gov/Programs/Environmental_Planning/draft_fresno_bakersfield.html (accessed October 2013). [Referred to as the Draft EIR/EIS in the text.]
- ——. 2011b. California High-Speed Train Project Environmental Impact Report / Environmental Impact Statement, Supplemental Alternatives Analysis Report: Fresno to Bakersfield Section. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2011.
 - http://www.hsr.ca.gov/docs/brdmeetings/2011/May/brdmtg0511_fresbaker8_rpt.pdf.



- ——. 2012. California High-Speed Train Project Environmental Impact Report / Environmental Impact Statement: Revised Draft EIR/ Supplemental Draft EIS, Fresno to Bakersfield. Three volumes. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, July 2012. http://www.hsr.ca.gov/Programs/Environmental_Planning/revised_draft_fresno_bakersfield.html.
- City of Fresno. 2011. *Downtown Neighborhoods Community Plan: Fresno, California.* Fresno, CA: City of Fresno, Public Draft September 23, 2011. http://fresnodowntownplans.com/project/details/fcsp (accessed October 2013).
- ——. Fulton Corridor Specific Plan: Fresno, California. Fresno, CA: City of Fresno, Public Draft October 14, 2011. http://fresnodowntownplans.com/project/details/fcsp (accessed October 2013).
- Federal Railroad Administration (FRA). 2009. "Environmental Impact Statement for the California High Speed Train Project From Merced to Bakersfield, CA." Action: Notice of Intent to Prepare an Environmental Impact Statement. Federal Register, Vol. 74, No. 49, Monday, March 16, 2009. http://www.hsr.ca.gov/Programs/Statewide_Rail_Modernization/Project_Sections/merced_bakersfield.html (accessed October 2013).
- Federal Railroad Administration, California High-Speed Rail Authority, U.S. Army Corps of Engineers, and U.S. Environmental Protection Agency (FRA et al.). 2010. NEPA/404/408 Integration Memorandum of Understanding (MOU) between the Federal Railroad Administration, California High-Speed Rail Authority, U.S. Army Corps of Engineers, and U.S. Environmental Protection Agency. Washington, DC: FRA, November 2010. http://www.hsr.ca.gov/docs/programs/eir_memos/Proj_Guidelines_NEPA404_408MOU.p df (accessed October 2013).

Chapter 8 Public and Agency Involvement

- California High-Speed Rail Authority (Authority). 2007. *California High-Speed Train Project, Fresno-Palmdale Region: Visalia-Tulare-Hanford Station Feasibility Study.* Final Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento, CA: California High-Speed Rail Authority, August 1, 2007. http://www.hsr.ca.gov/docs/programs/statewide_rail/proj_sections/Fresno_Bakersfield/Vi
- ———. 2009. Draft Agency Coordination Plan: Fresno to Bakersfield Section High-Speed Train
- ——. 2012. Bay Area to Central Valley High-Speed Train Partially Revised Final Program Environmental Impact Report (EIR). Sacramento, CA: California High-Speed Rail Authority, April 2012.

salia_Tulare_Hanford_Station_Feasibility_Study_August_2007_.pdf.

Project EIR/EIS.

California High-Speed Rail Authority and USDOT Federal Railroad Administration (Authority and FRA). 2005. Final Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the Proposed California High-Speed Train System. Vol. 1, Report. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, August 2005. http://www.hsr.ca.gov/Programs/Environmental_Planning/EIR_EIS/index.html. 2008. Bay Area to Central Valley High-Speed Train (HST) Program Environmental Impact Report/Environmental Impact Statement (EIR/EIS). Final. Volume 1. Sacramento, CA, and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, May 2008. http://www.hsr.ca.gov/Programs/Environmental_Planning/bay_area.html (accessed May 2013). 2009. Draft Scoping Report Fresno to Bakersfield Section High-Speed Train Project EIR/EIS. Prepared by URS/HMM/Arup Joint Venture. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, December 2009. —. 2010b. Working Draft Fresno to Bakersfield Supplemental Alternatives Analysis Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, September 2010. —. 2010c. Fresno to Bakersfield Preliminary Alternatives Analysis Report. Prepared by URS/HMM/Arup Joint Venture. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration, June 2010. ---. 2011. Fresno to Bakersfield Section: Community Impact Assessment Technical Report. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration. ---. 2011a. Supplemental Alternatives Analysis Report, Fresno to Bakersfield Section High-Speed Train Project EIR/EIS. Prepared by URS/HMM/Arup Joint Venture. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration. May 2011. ----. 2011b. Supplemental Alternatives Analysis Report, Fresno to Bakersfield Section High-Speed Train Project EIR/EIS. Prepared by URS/HMM/Arup Joint Venture. Sacramento and Washington, DC: California High-Speed Rail Authority and USDOT Federal Railroad Administration. December 2011. ——. 2011c. Fresno to Bakersfield Section High-Speed Train Project EIR/EIS Supplemental Alternatives Analysis Report

Chapter 9 EIR/EIS Distribution

[No references cited.]

Chapter 10 List of Preparers

[No references cited.]



Chapter 12 Glossary of Terms

San Francisco Estuary Institute. 2009. *Technical Advisory Team. California Wetland and Riparian Area Protection Policy. Technical Memorandum No. 2: Wetland Definition.* San Francisco, CA, June 25, 2009.

Program Wide Standards and Guidance

- The following industry/agency publications and design standards have been utilized in the presentation of this document as a whole.
- American Railway Engineering and Maintenance-of-Way Association (AREMA). 2012. *Manual for Railway Engineering.*
- American Association of State Highway and Transportation Officials (AASHTO). 2007. *Highway Drainage Guidelines*.
- ASTM International. 2005. ASTM E1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.
- ——. 2006. ASTM E1528-06 Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process.
- BNSF Railway and Union Pacific Railroad. 2007. Guidelines for Railroad Grade Separation Projects http://www.uprr.com/aboutup/operations/specs/attachments/grade_separation.pdf.
- California Department of Transportation (Caltrans). 2001. Field Guide to Construction Site Dewatering. October 2001. http://www.dot.ca.gov/hq/construc/stormwater/DewateringGuide.pdf.
- ——. 2003. Construction Site Best Management Practices Field Manual and Troubleshooting Guide. January 2003. http://www.dot.ca.gov/hq/construc/stormwater/BMP_Field_Master_FullSize_Final-Jan03.pdf.
- ——. 2003. Stormwater Pollution Prevention Plan and Water Pollution Control Program Preparation Manual. March 2003. http://www.dot.ca.gov/hq/construc/stormwater/SWPPP_Prep_Manual_3_03.pdf.
- ——. 2007. Stormwater Pollution Prevention Plan and Water Pollution Control Program Preparation Manual. March 2007. http://www.dot.ca.gov/hq/construc/stormwater/SWPPP_WPCP_PreparationManual_2007. pdf.
- ——. 2010. Storm Water Quality Handbook: Project Planning and Design Guide. July 2010. http://www.dot.ca.gov/hq/oppd/stormwtr/ppdg/swdr2010/Caltrans-Cover-7-1-10.pdf.
- ——. 2011. Stormwater Pollution Prevention Plan (SWPPP) and Water Pollution Control Program (WPCP) Preparation Manual. June 2011. http://www.caltrans.ca.gov/hq/construc/stormwater/documents/SWPPP_Prep_ManualJune2011.pdf.
- ——. 2012. *Highway Design Manual*. Sacramento, CA: Caltrans, May 7, 2012. http://www.dot.ca.gov/hq/oppd/hdm/HDM_050712.pdf.

- California High-Speed Rail Authority (Authority). 2012. California High-Speed Rail Program: Revised 2012 Business Plan. Sacramento, CA: California High-Speed Rail Authority, April 2012. http://www.hsr.ca.gov/About/Business Plans/2012 Business Plan.html (accessed May 2013). —. 2013. Joint Risk Assessment for Elevated Structures: Threat and Vulnerability Assessment and Preliminary Hazard Analysis. PHA Report 1.2.1.8, TVA Report ROW6/ROW7. Prepared by Parson Brinckerhoff. 2013. Federal Highway Administration (FHWA), National Highway Institute. 1978. Hydraulics of Bridge Waterways. Hydraulic Design Series Number 1. 2002. Highway Hydrology. Hydraulic Design Series Number 2, Second Edition. October 2002. http://isddc.dot.gov/OLPFiles/FHWA/013248.pdf. —. 2012. Hydraulic Design of Highway Culverts. Hydraulic Design Series Number 5, Third Edition. April 2012. http://www.fhwa.dot.gov/engineering/hydraulics/pubs/12026/hif12026.pdf. ———. 2009. *Urban Drainage Manual*. Hydraulic Engineering Circular No. 22. Institute of Electrical and Electronics Engineers (IEEE). 1999. IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz (95.1). http://www.euitt.upm.es/estaticos/catedracoitt/web_salud_medioamb/normativas/ieee/C95.1.pdf N.d. IEEE Standard for Safety Levels With Respect to Human Exposure to Electromagnetic
- International Commission on Non-Ionizing Radiation Protection. 1998. *ICNIRP Guidelines for Limiting Exposure to Time-Varying Electric, Magnetic and Electromagnetic Fields (up to 300 Ghz)*. Health Physics 74 (4):494-522. http://www.icnirp.org/documents/emfgdl.pdf.

Fields, 0-3 kHz (95.6)

This page intentionally left blank