

## 6.0 REFERENCES

### Executive Summary

Colorado Department of Transportation (CDOT). 2013. Bridge Inspection Report.

———. 2011. *Statewide Transportation Improvement Program Fiscal Years 2012-2017*.

———. 2009. Policy Directive 1602.0. October 22.

### Chapter 1 Purpose and Need

AMEC Environment and Infrastructure, Inc. 2014. Memo: *CDOT Region 3 – SH 82 Grand Avenue Bridge F-07-A HEC-18 Scour Analysis*.

City of Glenwood Springs. 2007. *SH 82 Corridor Optimization Study*. Prepared by PBS&J. March.

———. 2011. *Glenwood Springs Comprehensive Plan*. Adopted March 2011.

City of Glenwood Springs, Colorado Department of Transportation, Garfield County, Roaring Fork Transportation Authority. 2010. *SH 82 Corridor Optimization Plan*. Prepared by PBS&J. December.

Colorado Department of Transportation (CDOT). 2013. Bridge Inspection Report.

———. 2009. Policy Directive 1602.0. October 22.

### Chapter 2 Alternatives

City of Glenwood Springs. 2011. *Glenwood Springs Comprehensive Plan*. Adopted March 2011.

Colorado Department of Transportation (CDOT). 2011. *Statewide Transportation Improvement Program Fiscal Years 2012-2017*.

Intermountain Transportation Planning Region. 2008. *Intermountain 2035 Regional Transportation Plan*.

### Chapter 3 Affected Environment/Environmental Consequences and Mitigation

#### 3.1 Visual Resources

City of Glenwood Springs. 2011. *Glenwood Springs Comprehensive Plan*. Adopted March 2011.

———. 2003. *A Redevelopment Strategy for the Confluence Area – City of Glenwood Springs*. October.

Colorado Department of Transportation (CDOT). 2013. I-70 Mountain Corridor Aesthetic Guidance. <http://i70mtncorridorcss.com>. Website accessed April 2013.

Federal Highway Administration. 1988. *Visual Impact Assessment for Highway Projects*. March.

Garfield County. 2010. *Garfield County Comprehensive Plan 2030*. Adopted November 20, 2010.

Jacobs Engineering Group Inc. 2014. *Visual Impact Assessment Technical Report*. July.

### 3.2 Transportation

City of Glenwood Springs. *City of Glenwood Springs Long Range Transportation Plan 2003–2030*. Adopted July 2003.

———. 2007. *SH 82 Corridor Optimization Study*. Prepared by PBS&J. March.

———. *SH 82 Access Control Plan*. Adopted July 2013.

City of Glenwood Springs, Colorado Department of Transportation, Garfield County, Roaring Fork Transportation Authority. 2010. *SH 82 Corridor Optimization Plan*. Prepared by PBS&J. December.

Colorado Department of Transportation (CDOT). 2011. *I-70 Mountain Corridor Programmatic EIS (PEIS)*. Prepared by J.F. Sato and Associates, Inc. March.

———. 2011. *Statewide Transportation Improvement Program Fiscal Years 2012-2017*.

Intermountain Transportation Planning Region. 2008. *2035 Regional Transportation Plan*.

Transportation Research Board. 2010. *Highway Capacity Manual*.

### 3.3 Land Use

City of Glenwood Springs. 2003. *A Redevelopment Strategy for the Confluence Area – City of Glenwood Springs*. <http://www.glenwoodsouthbridge.net/PDF/ConfluencePlan.pdf>

———. 2013. Downtown Development Authority website. <http://www.ci.glenwood-springs.co.us/boards/downtown.htm>. Accessed June 2013.

———. 2011. *Glenwood Springs Comprehensive Plan*, adopted March 2011.

———. 2013. City of Glenwood Springs Zone Districts Map. <http://www.ci.glenwood-springs.co.us/maps/zone/>. Accessed June 2013.

Garfield County. 2013. Geographic Information System. <http://www.garfield-county.com/geographic-information-systems/>. Accessed May 2013.

### 3.4 Social Resources

City of Glenwood Springs. 2011. *Glenwood Springs Comprehensive Plan*, Adopted March 2011.

Colorado Department of Local Affairs (DOLA). 2012. Population Forecasts, Years 2000 to 2040. Updated September 2012. <http://www.colorado.gov/cs/Satellite?c=Page&childpagename=DOLA-Main%2FCBONLayout&cid=1251593346867&pagename=CBONWrapper>. Accessed May 7, 2013.

State of Colorado. Office of Economic Development and International Trade. 2013. Minority Business Office Small Business Database. <http://www.minoritybusinessoffice.org/>. Accessed May 8, 2013.

U.S. Census Bureau. 2010. Census 2010.

———. 2012. Census 2012.

———. 2007-2011. American Community Survey.

### 3.5 Relocation/Right-of-Way

Garfield County. 2013. Geographic Information System. <http://www.garfield-county.com/geographic-information-systems/>. Accessed May 2013.

### 3.6 Economic Conditions

ArLand Land Use Economics. 2014. *Economic Conditions Technical Report for the SH 82 Grand Avenue Bridge Environmental Assessment*.

BBC Research & Consulting. 2007. *Garfield County Socio-economic Impact Study*.

Bureau of Economic Analysis, Rims II. Accessed May 7, 2013. <http://www.bea.gov/regional/rims/>.

City of Glenwood Springs. 2011. *Glenwood Springs Comprehensive Plan*.

Colorado Department of Labor, Labor Market Information.

Garfield County Assessors Office. <http://www.garfield-county.com/assessor/>. Accessed March 15, 2013.

Glenwood Shell Business Owner. 2013. Personal communication with Arleen Taniwaki. March 21, 2013.

### 3.7 Air Quality

Colorado Department of Public Health and Environment, Air Quality Control Commission (CAQCC). 2007. *Regulation No.1, Emission Control For Particulate Matter, Smoke, Carbon Monoxide, and Sulfur Oxide*.

———. 2014. *Regulation No.3, Stationary Source Permitting and Air Pollutant Emission Notice Requirements*.

Colorado Department of Transportation. 2010. *Air Quality Analysis and Documentation Procedures*. <http://www.coloradodot.info/programs/environmental/air-quality/Air%20Quality%20-10%20Revisions.pdf>. Accessed May 2013.

Environmental Protection Agency (EPA). National Ambient Air Quality Standards. <http://www.epa.gov/air/criteria.html>. Accessed May 2013.

———. 2000. *Technical Support Document: Control of Emissions of Hazardous Air Pollutants from Motor Vehicles and Motor Vehicle Fuels*. EPA420-R-00-023. December.

Garfield County. 2012. Quarterly Monitoring Report, Second Quarter April 1 through June 30, 2012.

### 3.8 Noise

Colorado Department of Transportation. 2013. *Noise Analysis and Abatement Guidelines*.

Federal Highway Administration. 2006. *Construction Noise Handbook*.

Jacobs Engineering Group Inc. 2014. *SH 82 Grand Avenue Bridge Noise Technical Report*.

### 3.9 Water Resources and Water Quality

Colorado Department of Public Health Water Quality Control Commission (CDPHE). 2012a. *Colorado Stream Segmentation and Monitoring Sites, July 13, 2012*.

<http://www.colorado.gov/cs/Satellite/CDPHE-WQCC/CBON/1251590894055>.

Accessed April 16, 2013.

- . 2012b. *Classifications and Numeric Standards for Upper Colorado River Basin and North Platte River (Planning Region 12)*, January 1, 2012. <http://www.colorado.gov/cs/Satellite/CDPHE-WQCC/CBON/1251590894055>. Accessed April 15, 2013.
- . 2012c. *Stream Classifications and Water Quality Control Standards*, January 1, 2012. <http://www.colorado.gov/cs/Satellite/CDPHE-WQCC/CBON/1251590894055>. Accessed on April 17, 2013.
- . 2012d. *Colorado's Section 303 (D) List of Impaired Waters and Monitoring and Evaluation List*, March 30, 2012. <http://www.colorado.gov/cs/Satellite/CDPHE-WQCC/CBON/1251590894055>. Accessed April 15, 2013.
- Colorado Department of Transportation (CDOT). 2002. *Erosion Control and Stormwater Quality Guide*.
- Colorado Division of Water Resources (CDWR). 2013. Aqua Map. Website: <http://water.state.co.us/DATAMAPS/GISANDMAPS/AQUAMAP/Pages/default.aspx>. Accessed on April 16, 2013.
- Colorado Fishing Network (CFN). 2013. *Gold Medal Streams in Colorado*. [http://www.coloradofishing.net/gm\\_frypan.htm#roarfk](http://www.coloradofishing.net/gm_frypan.htm#roarfk). Accessed November 6, 2013.
- Colorado River Water Users Association (CRWUA). 2013a. *Colorado River Uses Overview, 2007*. <http://crwua.org/ColoradoRiver/RiverUses/Overview.aspx>. Accessed April 18, 2013a.
- . 2013b. Colorado River Map (Arizona Map). <http://crwua.org/ColoradoRiver/RiverMap/ArizonaMap.aspx>. Accessed April 18, 2013.
- Pinyon Environmental, Inc. (Pinyon). 2014. *Modified Phase I Environmental Site Assessment, SH 82 Grand Avenue Bridge Project, Glenwood Springs, Garfield County, Colorado*. May 2013.
- Rubin, Eddie, Division of Natural Resources. 2013. Personal communication with Amanda Cushing of Pinyon Environmental, Inc. April 18, 2013.
- Wildernet. 2013. *Roaring Fork River General Description, 2005*. [http://wildernet.com/pages/area.cfm?areaID=RFKR&CU\\_ID=1](http://wildernet.com/pages/area.cfm?areaID=RFKR&CU_ID=1). Accessed on April 17, 2013.
- Wright Water Engineers, Inc. (Wright Water). 2013a. Initial Geothermal Resources Assessment (Phase I and II), Grand Avenue Bridge Reconstruction. Unpublished draft report prepared for Jacobs Engineering Group Inc., Denver, Colorado.

———. 2013b. Preliminary Geophysical Investigation Report (Phase III), Grand Avenue Bridge Reconstruction. Unpublished draft report prepared for Jacobs Engineering Group, Inc., Denver, Colorado.

Zonge, 2013. 2D Geophysical Investigation, Grand Avenue Bridge, Glenwood Springs, Colorado. Unpublished letter report to Wright Water Engineers, Inc., Denver, Colorado.

### 3.10 Wetlands and Waters of the U.S.

Colorado Department of Transportation (CDOT). 2013. *Guidelines for Senate Bill 40 Wildlife Certification*. Developed and agreed upon by Colorado Parks and Wildlife (formerly the Colorado Division of Wildlife) and CDOT. January.

U.S. Army Corps of Engineers. 1987. *USACE Wetland Delineation Manual*.

———. 2010. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)*.

### 3.11 Floodplains

Colorado Department of Transportation (CDOT). 2004. *Drainage Design Manual*. March.

Garfield County. 2013. Geographic Information System. <http://www.garfield-county.com/geographic-information-systems/>. Accessed November 2013.

U.S. Army Corps of Engineers, Sacramento District. 1976. *Flood Insurance Study, Garfield County (Un-Incorporated Areas)*. June.

### 3.12 Vegetation and Noxious Weeds

Colorado Department of Agriculture. 2013. Noxious Weed Management Program. <http://www.colorado.gov/cs/Satellite?c=Page&cid=1174084048733&pagename=Agriculture-Main/CDAGLayout>. Accessed March 2013.

Colorado Department of Transportation (CDOT). 2013. *Guidelines for Senate Bill 40 Wildlife Certification* developed and agreed upon by Colorado Parks and Wildlife (formerly the Colorado Division of Wildlife) and CDOT. January.

Garfield County. 2013. Garfield County Vegetation Management. Noxious Weed List. <http://www.garfield-county.com/vegetation-management/noxious-weed-list.aspx>. Accessed March 2013.

### 3.13 Wildlife and Aquatic Species

Colorado Department of Transportation (CDOT). 2013. *Guidelines for Senate Bill 40 Wildlife Certification*. Developed and agreed upon by Colorado Parks and Wildlife (formerly the Colorado Division of Wildlife) and CDOT. January.

———. 2011. Section 240 – Protection of Migratory Birds Biological Work Performed by CDOT Biologist.  
<http://www.coloradodot.info/business/designsupport/constructionspecifications/2011-Specs/project-special-provision-work-sheets/240pmbcdotb.docx/view>. Accessed February 2014.

### 3.14 Special-Status Species

Colorado Department of Transportation (CDOT). 2013. *Guidelines for Senate Bill 40 Wildlife Certification*. Developed and agreed upon by Colorado Parks and Wildlife (formerly the Colorado Division of Wildlife) and CDOT. January.

———. 2011. Section 240 – Protection of Migratory Birds Biological Work Performed by CDOT Biologist.  
<http://www.coloradodot.info/business/designsupport/constructionspecifications/2011-Specs/project-special-provision-work-sheets/240pmbcdotb.docx/view>. Accessed February 2014.

———. 2013. Memorandum of Agreement by and Among the Colorado Department of Natural Resources and the Department of Transportation Regarding Senate Bill 40 Certification.  
<http://www.coloradodot.info/programs/environmental/wildlife/guidelines/sb-40-wildlife-cert-guidelines-june-2013/view>. Accessed February 2014.

Colorado Natural Heritage Program (CNHP). 2002. Databases of element occurrences plotted with corridor for initial screening of alternatives (*I-70 Mountain Corridor PEIS*). Colorado State University. Fort Collins, Colorado.

Colorado Parks and Wildlife (CPW). 2012. Species Activity Mapping (SAM).  
<http://www.arcgis.com/home/item.html?id=30cc9afded9c44d8835141f98f0c485a>. Accessed on May 21, 2013.

Colorado State University (CSU). 2002. *Status Review of Roundtail Chub, Flannelmouth Sucker, and Bluehead Sucker in the Colorado River Basin*. Colorado State University, Fort Collins, CO.

USDA Forest Service, Rocky Mountain Region. 2006. *Townsend's Big-eared Bat (Corynorhinus townsendii): a Technical Conservation Assessment*. Prepared by J.C. Gruver and D.A. Keinath. October.

<http://www.fs.fed.us/r2/projects/scp/assessments/townsendbig-earedbat.pdf>.

Accessed November 2013.

U.S. Fish and Wildlife Service (USFWS). 2007. *Final Rule: Removing the Bald Eagle in the Lower 48 States From the List of Endangered and Threatened Wildlife*. Federal Register Vol. 72: 37346-37372.

———. 2014. Species Profile: Ute Ladies Tresses (*Spiranthes diluvialis*).

<http://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=Q2WA>.

Accessed February 2014.

### 3.15 Historic Preservation

Hermesen Consultants. 2013. *Historic Resources Survey Report, SH 82/Grand Avenue Bridge Replacement, City of Glenwood Springs, Colorado*. April 4, 2013.

### 3.16 Hazardous Materials

Colorado Department of Transportation (CDOT). 2011. *Colorado Department of Transportation, Hazardous Materials Document Guide*. CDOT, Denver, Colorado. February.

Environmental Data Resources, Inc. (EDR). 2013. *EDR Radius Map Report with GeoCheck, Grand Avenue Bridge, Glenwood Springs, CO, Inquiry Number: 3577315.2s*. Environmental Data Resources, Inc., Milford, Connecticut. April.

Pinyon Environmental, Inc. (Pinyon). 2013. *Modified Phase I Environmental Site Assessment, SH82 Grand Avenue Bridge Project, 1/12-881-01.8001*. Pinyon Environmental, Inc., Denver, Colorado. May.

Walsh Environmental Scientists and Engineers, Inc. 1999. *Draft Lead Based Paint Assessment, Grand Avenue Bridge, CDOT Structure F-07-A, Glenwood Springs, Colorado, CDOT Project No. BR 0821-043*. April 23, 1999.

### 3.17 Parks and Recreation

City of Glenwood Springs. 2006. *Glenwood Springs, Colorado Parks and Recreation Comprehensive Master Plan*. Prepared by Greenplay, LLC. November.

———. 2011. *Glenwood Springs Comprehensive Plan*. Adopted March 2011.

Colorado Parks and Wildlife. 2013a. Colorado Parks and Wildlife website. <http://wildlife.state.co.us/Fishing/SeasonDatesAndFees/Pages/SeasonDatesAndFees.aspx>. Accessed March 26, 2013.

———. 2013b. *2013 Colorado Fishing Brochure, April 1, 2013-March 31, 2014*.

Garfield County. 2013. Geographic Information System. <http://www.garfield-county.com/geographic-information-systems/>. Accessed May 2013.

### 3.18 Pedestrian and Bicycle Facilities

City of Glenwood Springs. 2003. *City of Glenwood Springs Long Range Transportation Plan 2003-2030*. Adopted July 2003.

———. 2006. *Glenwood Springs, Colorado Parks and Recreation Comprehensive Master Plan*. Prepared by Greenplay, LLC. November.

———. 2008. *Glenwood Springs Bicycle/Pedestrian Transit Access Study*. Prepared by LSC Transportation Consultants, Inc. February.

———. 2011. *Glenwood Springs Comprehensive Plan*. Adopted March 2011.

### 3.20 Energy

City of Glenwood Springs. 2009. *Energy and Climate Action Plan*.

Colorado Department of Transportation, State of Colorado Governor's Energy Office, and State Smart Transportation Initiative. 2012. *The Colorado Energy Smart Transportation*. March. [http://www.ssti.us/wp/wp-content/uploads/2012/04/CO\\_EST\\_FINAL\\_Report\\_4-4-2012.pdf](http://www.ssti.us/wp/wp-content/uploads/2012/04/CO_EST_FINAL_Report_4-4-2012.pdf).

### 3.21 Other Resources

Colorado Department of Transportation. 2013. *Paleontological survey for project FBR 0821-094, State Highway 82 Grand Avenue Bridge (F-07-A) Technical Memorandum*.

Colorado Department of Transportation, 2014. *Paleontological assessment for Project FBR 0821-094, State Highway 82 Grand Avenue Bridge 8<sup>th</sup> St. Detour Technical Memorandum*.

### 3.23 Permits Required

None

### 3.24 Cumulative Impacts

City of Glenwood Springs. 2003. *A Redevelopment Strategy for the Confluence Area – City of Glenwood Springs*. <http://www.glenwoodsouthbridge.net/PDF/ConfluencePlan.pdf>

City of Glenwood Springs Downtown Development Authority. 2014. <http://www.ci.glenwood-springs.co.us/boards/downtown.htm>. Accessed 2014.

———. 2011. *Glenwood Springs Comprehensive Plan*. Adopted March 2011.

Council on Environmental Quality. 1997. *Considering Cumulative Effects Under the National Environmental Policy Act*. January.

Colorado Department of Local Affairs (DOLA). 2012. *Population Forecasts, Years 2000 to 2040*. Updated September 2012. <http://www.colorado.gov/cs/Satellite?c=Page&childpagename=DOLA-Main%2FCBONLayout&cid=1251593346867&pagename=CBONWrapper>. Accessed May 7, 2013.

Colorado Department of Transportation (CDOT). 2011. *I-70 Mountain Corridor Programmatic EIS (PEIS)*. Prepared by J.F. Sato and Associates, Inc. March.

Gardner-Smith, Brent. Aspen Journalism. 2014. *Glenwood drops into whitewater court*. <http://aspenjournalism.org/2014/02/17/glenwood-drops-in-to-whitewater-court/>. February 17.

Jacobs Engineering Group Inc. 2014. *Visual Impact Assessment Technical Report*. July.

Ruedi Water & Power Authority. 2008. *State of the Roaring Fork Watershed Executive Summary 2008*.

Stricherz, Mark. The Colorado Observer. 2004. *BLM Threatens Oil, Gas Leases on Western Slope*. [thecoloradoobserver.com/2014/04/blm-review-threatens-oil-and-gas-leases-on-the-western-slope/](http://thecoloradoobserver.com/2014/04/blm-review-threatens-oil-and-gas-leases-on-the-western-slope/). April 30.

## **Chapter 4 Section 4(f)**

AMEC Environment and Infrastructure, Inc. 2014. *Memo: CDOT Region 3 – SH 82 Grand Avenue Bridge F-07-A HEC-18 Scour Analysis*.

City of Glenwood Springs. 2007. *SH 82 Corridor Optimization Study*. Prepared by PBS&J. March.

Colorado Department of Transportation (CDOT). 2013. *Bridge Inspection Report*.

Federal Highway Administration (FHWA). 2012. *Section 4(f) Policy Paper*, Question 28B. July.

**Chapter 5 Agency Coordination and Public Involvement**

ArLand Land Use Economics. 2014. *Economic Conditions Technical Report for the SH 82 Grand Avenue Bridge Environmental Assessment*.

Colorado Department of Transportation (CDOT). 2011. *SH 82 Grand Avenue Bridge Environmental Assessment Public Involvement Plan*. Prepared by Jacobs Engineering Group Inc.