

11 LIST OF PREPARERS

11.1 California High-Speed Rail Authority

| Project Role | Name, Credential | Qualifications |
|--|-------------------------------|---|
| Chief Executive Officer | Brian P. Kelly | 23 years of experience BA, Government-Journalism, California State University, Sacramento |
| Northern California Regional Director | Boris Lipkin | 11 years of experience MCP, City Planning, University of Pennsylvania BA, Business Economics and Geography, University of California, Los Angeles |
| Former Northern California Regional Director | Ben Tripousis | 30 years of experience MPA, Public Administration, San Jose State University BS, Political Science, University of California, Berkeley |
| Director of Environmental Services | Mark McLoughlin | 33 years of experience BS, Ornamental Horticulture and Landscape Construction, California Polytechnic State University, San Luis Obispo |
| Northern California Regional Delivery Manager | Shahin Pourvahidi, PE | 36 years of experience BS, Civil Engineering, University of Wisconsin, Platteville |
| Former Northern California Regional Delivery Manager | Guy Preston, PE | 30 years of experience BS, Civil Engineering, University of California, Berkeley |
| Director of Planning and Sustainability | Margaret Cederoth | 20 years of experience MURP, Urban and Regional Planning, University of Illinois, Urbana-Champaign |
| Former Director of Planning and Integration | Melissa Elefante DuMond, AICP | 16 years of experience BS, Environmental Studies, University of North Carolina, Wilmington MPA, Public Administration, North Carolina State University, Raleigh |
| Authority NEPA Assignment Manager | Dan McKell | 18 years of experience |
| Senior Environmental Planner, Cultural Resources Program Manager/Tribal Liaison | Amy MacKinnon | 10 years of experience MA, Anthropology, California State University, Chico BA, English, University of California, Davis |
| Supervising Environmental Planner, Cultural Resources Program Manager/Tribal Liaison | Brett Rushing | 28 years of experience MA, Anthropology, California State University, San Francisco BA, Anthropology, Louisiana State University |

| Project Role | Name, Credential | Qualifications |
|---|-------------------|---|
| Former Supervising Environmental Planner, Cultural Resources Program Manager/Tribal Liaison | Sarah Allred | 26 years of experience BA, Anthropology, California State University, Sacramento |
| Supervising Transportation Engineer | Joyce Brenner, PE | 31 years of experience BS, Civil Engineering, California State University, Chico |

AICP = American Institute of Certified Planners

BA = Bachelor of Arts

BS = Bachelor of Science (United States)

JD = Juris Doctor

MA = Master of Arts

MCP = Master of City Planning

MPA = Master of Public Administration

MURP = Master of Urban and Regional Planning

PE = Professional Engineer

11.2 Federal Railroad Administration (prior to the July 23, 2019 NEPA Assignment MOU)

| Project Role | Name, Credential | Qualifications |
|-------------------------------------|--------------------------------|--|
| Environmental Protection Specialist | Stephanie B. Perez-Arrieta, PG | 25 years of experience BS, Geology, Virginia Polytechnic Institute and State University |

BS = Bachelor of Science

PG = Professional Geologist

11.3 Project Management Team – Rail Delivery Partners

| Project Role | Name, Credential | Qualifications |
|--|--------------------------|---|
| Deputy Director of Environmental Services | Bryan K. Porter, AICP | 37 years of experience MPA, Public Administration, California State University, Sacramento BA, Political Science, University of California, Berkeley |
| Former Deputy Director of Environmental Services | Lisa G. Nungesser, PhD | 37 years of experience PhD, Community and Regional Planning and Geography, University of Texas, San Antonio MS, Environmental Management, University of Texas, San Antonio BA, Plan II, University of Texas, San Antonio |
| Northern California Director of Projects | Gary John Kennerley, PE | 28 years of experience BS, Civil Engineering, University of Bristol |
| Former Northern California Director of Projects | Rebecca Kohlstrand, AICP | 35 years of experience MS, Transportation Engineering, University of California, Berkeley MCRP, City and Regional Planning, University of California, Berkeley BS, Resource Recreation Management, Oregon State University |

| Project Role | Name, Credential | Qualifications |
|---|----------------------|--|
| Project Manager | James Tung | 17 years of experience BS, Civil Engineering, McGill University MS, Civil Infrastructure, Virginia Polytechnic Institute and State University |
| Assistant Project Manager, San Francisco to San Jose Environmental | Phyllis Potter, AICP | 35 years of experience MA, Environmental Planning, California State University, Long Beach BA, Fine Arts, Portland State University |
| Project Manager, San Jose to Merced Environmental | Dave Shpak, AICP | 33 years of experience BS, Environmental Planning, University of California, Davis |
| Assistant Project Manager, San Jose to Merced Environmental | Chris Diwa, AICP | 15 years of experience BA, Sociology, Urban Studies, University of California, Irvine |
| Assistant Project Manager, San Jose to Merced Engineering | Julian Bratina, EIT | 9 years of experience BS, Civil Engineering, University of New Hampshire, Durham |
| Civil Engineer, San Jose to Merced | Tony Gura, PE | 12 years of experience BS, Civil Engineering, University of Illinois at Chicago, Chicago |
| Deputy Director Operations & Maintenance | Simon Whitehorn | 35 years of experience |
| Permitting Manager | Sue Meyer, JD | 20 years of experience JD, University of California, Los Angeles MA, Philosophy, University of North Carolina, Chapel Hill BA, Philosophy, Occidental College |
| Northern California Communications Manager | Morgan Galli | 17 years of experience MUP, Urban Planning, San Jose State University MA, Political Science, Whittier College |
| Transportation; Socioeconomics and Communities; Environmental Justice; Station Planning, Land Use and Development | Bruce Fukuji | 25 years of experience MCP, City Planning, University of California, Berkeley BA, Architecture, University of California, Berkeley |
| Northern California NEPA Assignment Coordinator | Manisha Patel | 23 years of experience JD, Georgetown University Law Center, Washington, DC BA, Political Science, Northwestern University, Chicago |
| Northern California NEPA Assignment Coordinator | David Carlson | 30 years of experience BS, Natural Resource Management, University of Massachusetts, Amherst |

| Project Role | Name, Credential | Qualifications |
|--|-----------------------------|---|
| Northern California NEPA Assignment Coordinator | Allie Reilly | 3 years of experience MSc, Geography, University of Oxford School of Geography and the Environment, Oxford BA, Environmental Studies & Policy, Brown University, Providence |
| Transportation | Donald E. Hubbard, TE, AICP | 37 years of experience MCRP, City and Regional Planning, Harvard University BS, Engineering Science, Northwestern University |
| Air Quality and Greenhouse Gases; Energy | Alice Lovegrove | 29 years of experience MS, Environmental and Waste Management, State University of New York, Stony Brook BS, Engineering Science/Environmental Biomedical, State University of New York, Stony Brook |
| Air Quality and Greenhouse Gases; Energy | Edward Tadross | 18 years of experience BA, Environmental Studies, Tulane University BA, Earth Sciences, Tulane University |
| Noise and Vibration | Rob Greene, INCE, BdCert | 30 years of experience BS, Environmental Science, Pacific Western University |
| Electromagnetic Fields and Electromagnetic Interference | Eric Scotson | 40 years of experience BS, Electrical Engineering, University of Salford |
| Electromagnetic Fields and Electromagnetic Interference | Andy Pattantys | 13 years of experience MBA, Business Administration, Case Western Reserve University MS, Mechanical Engineering, Virginia Polytechnic Institute and State University, Blacksburg BS, Mechanical Engineering, Virginia Polytechnic Institute and State University, Blacksburg |
| Public Utilities | Zack Isnasious, PE | 35 years of experience BS, Civil Engineering, Alexandria University |
| Former Biological and Aquatic Resources; Hydrology and Water Resources | Mike Aviña, JD | 22 years of experience JD, University of California, Davis BA, Anthropology, University of California, Davis |
| Hydrology and Water Resources | Veronica Seyde | 30 years of experience MS, Environmental Studies, California State University, Fullerton BA, Biology, University of San Diego |

| Project Role | Name, Credential | Qualifications |
|---|-----------------------|---|
| Biological and Aquatic Resources | John Hunter, PhD | 30 years of experience PhD, Plant Biology, University of California, Davis MA, Ecological and Systematic Biology, San Francisco State University BA, Environmental Studies, University of California, Santa Cruz |
| Biological and Aquatic Resources | Linda Leeman | 18 years of experience MS, Natural Resources, Humboldt State University BS, Wildlife and Fisheries Biology, University of California, Davis |
| Geology, Soils, and Seismicity | Kelley Kelso | 17 years of experience MS, Geology, University of California, Davis BS, Geology, University of California, Los Angeles |
| Geology, Soils, and Seismicity | Julia Bosma | 26 years of experience MS, Geological Sciences, Mackay School of Mines MS, Environmental Policy and Management, University of Denver BS, Geological Sciences, University of Washington |
| Paleontology | Tom Deméré, PhD | 40 years of experience PhD, Evolutionary Biology, University of California, Los Angeles MS, Geological Sciences, University of Southern California BS, Geological Sciences, San Diego State University |
| Hazardous Materials and Waste | David Van Goethem, PE | 23 years of experience MBA, Walsh College BS, Civil and Environmental Engineering, Michigan State University |
| Safety and Security; Project Costs and Operations | Bryan K. Porter, AICP | 30 years of experience MPA, Public Administration, California State University, Sacramento BA, Political Science, University of California, Berkeley |
| Safety and Security | Lurae Stuart | 30 years of experience BS, Sociology/Psychology, George Fox University |
| Socioeconomics and Communities; Regional Growth; Draft Relocation Impact Report | Betsy J. Minden, AICP | 30 years of experience MUP, Urban and Regional Planning, University of Washington BA, Biology, Smith College |

| Project Role | Name, Credential | Qualifications |
|--|----------------------------|---|
| Station Planning, Land Use, and Development; Cumulative Impacts; Section 4(f) and Section 6(f) Evaluations | Jennifer Rabby, AICP | 15 years of experience MCRP, Community and Regional Planning, University of Oregon BA, Biology and Environmental Studies, Lewis and Clark College |
| Parks, Recreation, and Open Space | Scott Polzin | 21 years of experience MCRP, Community and Regional Planning, University of Nebraska, Lincoln BS, Finance, University of Nebraska, Lincoln |
| Aesthetics and Visual Quality | Larissa King Rawlins, AICP | 17 years of experience BA, Environmental Planning, Western Washington University |
| Former Cultural Resources, Archaeology | Alisa Reynolds, MA, RPA | 21 years of experience MA, Anthropology, San Francisco State University BA, Anthropology, University of California, Berkeley |
| Former Cultural Resources, Built Environment | Meg Scantlebury | 17 years of experience MA, Historic Preservation, Goucher College BS, Environmental Design, University of California, Davis |
| Cultural Resources, Built Environment | Monte Kim, PhD | 15 years of experience PhD, History, University of California, Santa Barbara MA, Public History, California State University, Sacramento BA, History, University of California, Santa Cruz |
| Socioeconomics and Communities; Community Impact Assessment; Environmental Justice | Stephanie J. Sprague, AICP | 16 years of experience MS, Natural Resource Policy, University of Michigan BS, Environmental Microbiology, Michigan State University |

AICP = American Institute of Certified Planners
 BA = Bachelor of Arts
 BdCert = Board Certified
 BS = Bachelor of Science
 INCE = Institute of Noise Control Engineering
 JD = Juris Doctor
 MA = Master of Arts
 MBA = Master of Business Administration
 MCP = Master of City Planning
 MCRP = Master of City and Regional Planning
 MPA = Master of Public Administration
 MS = Master of Science (United States)
 MUP = Master of Urban Planning
 PE = Professional Engineer
 PhD = Doctor of Philosophy
 RPA = Register of Professional Archaeologists
 TE = Traffic Engineer

11.4 Regional Consultant Environmental Team

| Project Role | Name, Credential | Qualifications |
|--|--------------------------|---|
| Project Manager | John Litzinger, PE | 33 years of experience BS, Civil Engineering, Texas A&M, College Station |
| Former Project Manager | Dominic Spaethling | 25 years of experience MCP, City Planning, University of Pennsylvania BA, International Relations, Brown University |
| Design Manager | Conrad Kim Franchi, PE | 39 years of experience BS, Civil Engineering, University of Leeds, Leeds |
| Environmental Planner | Rosanna McGuire | 10 years of experience MS, Environmental Studies, York University BS, Ecology, University of Toronto |
| Environmental Project Director; Technical Reviewer | Rich Walter | 25 years of experience MA, International Relations/Energy, Environment, Science, and Technology, School for Advanced International Relations, Johns Hopkins University BA, History, Stanford University |
| Environmental Project Manager; Technical Reviewer; Ch. 2 Alternatives; Environmental Justice; Safety and Security | Anne Winslow | 8 years of experience MS, Environmental Sciences, Stanford University BS, Environmental Sciences, Stanford University |
| Project Coordinator; Technical Reviewer; Draft Relocation Impact Report; Ch. 1 Purpose and Need; Executive Summary; Introduction | Sarah Glasgow | 5 years of experience BS, Integrated Science and Technology, James Madison University |
| Senior Technical Review, Production Manager | Vicki Heron | 17 years of experience MSc, Soils & Environmental Pollution, University of Reading BSc, Geography, Liverpool John Moores University |
| Former Technical Reviewer; Executive Summary; Hydrology and Water Resources | Lisa Sakata | 18 years of experience BA, Peace Studies, Colgate University |
| Former Technical Review | Laura (Johnson) Klewicki | 7 years of experience MS, Environmental Science, School of Forestry and Environmental Studies, Yale University BS, Environmental Technology and Management, North Carolina State University |
| Former Technical Review | Randall Coleman | 10 years of experience MURP, Urban and Regional Planning, University of Colorado BA, History and Spanish, Trinity University |

| Project Role | Name, Credential | Qualifications |
|----------------|------------------|---|
| Transportation | Bob Grandy, TE | 36 years of experience BS, Civil Engineering, University of California, Berkeley |
| Transportation | Daniel Jacobsen | 8 years of experience BA, Urban Studies, Stanford University |
| Transportation | Mike Hawkins, PE | 7 years of experience BS, Civil Engineering, California Polytechnic State University, San Luis Obispo |
| Transportation | Ian Barnes, PE | 8 years of experience MS, Civil Engineering, University of California, Berkeley BS, Civil Engineering, California Polytechnic State University, San Luis Obispo |
| Transportation | Anna Luo | 16 years of experience MS, Transportation and Highway Engineering, Michigan State University BS, Transportation/Mobility Management, Beijing Jiaotong University |
| Transportation | David Stanek | 23 years of experience MS, Transportation Engineering, University of California, Davis BS, Civil and Environmental Engineering, University of California, Davis |
| Transportation | Sai Sirandas, PE | 6 years of experience MS, Civil Engineering (Transportation), Pennsylvania State University BT, Civil Engineering, Indian Institute of Technology, Kharagpur |
| Transportation | Neil Smolen | 4 years of experience MS, Civil Engineering, University of California, Irvine MURP, Urban & Regional Planning, University of California, Irvine BS, Environmental Studies, University of California, Santa Barbara |
| Transportation | Jesse Cohn | 4 years of experience MCRP, City and Regional Planning, University of North Carolina, Chapel Hill BA, Visual Arts and Urban Studies, Brown University |
| Transportation | Huma Husain | 6 years of experience MUP, Urban Planning, University of California, Los Angeles BS, Systems Engineering, University of Virginia |

| Project Role | Name, Credential | Qualifications |
|----------------|---------------------|--|
| Transportation | Ron Ramos | 4 years of experience MS, Transportation and Highway Engineering, University of California, Berkeley BS, Civil and Environmental Engineering, University of California, Berkeley |
| Transportation | Loan Pham, EIT | 2 years of experience BS, Civil Engineering, University of California, Berkeley |
| Transportation | Rebecca Shafer, EIT | 3 years of experience MS, Transportation Engineering/City and Regional Planning, University of California, Berkeley BS, Civil Engineering, University of California, Irvine |
| Transportation | Natalie Chyba | 2 years of experience BS, Civil Engineering, University of California, Berkeley |
| Transportation | Bill Burton, PE, TE | 25 years of experience MS, Civil Engineering, University of California, Berkeley BS, Civil Engineering, University of California, Berkeley |
| Transportation | Delia Votsch, EIT | 3 years of experience BS, Civil Engineering, Drexel University |
| Transportation | Ben Fuller | 6 years of experience MS, Transportation Engineering, University of California, Berkeley BS, Civil Engineering, University of California, Berkeley |
| Transportation | Allen Wang, PE | 5 years of experience MS, Transportation Engineering, University of California, Berkeley BS, Civil Engineering, University of Washington |
| Transportation | Sebastian Arias, PE | 4 years of experience MS, Civil Engineering, University of Illinois, Urbana BS, Civil Engineering, North Carolina State University |
| Transportation | Elliot Huang, TE | 4 years of experience BS, Civil Engineering, University of California, Irvine |
| Transportation | Jessica Sandoval | 5 years of experience BA, Geography, California State University, Sacramento AS, Computer Applications, Sierra Community College |

| Project Role | Name, Credential | Qualifications |
|--|---------------------|--|
| Transportation | Eleanor Leshner | 4 years of experience MA, City Planning (Transportation Planning and Policy), University of California, Berkeley BA, Environmental Economics, Middlebury College |
| Transportation | Dennis Lee | 7 years of experience MS, Civil Engineering, University of California, Berkeley MA, Urban and Regional Planning, University of California, Berkeley BA, Computer Science, Brown University |
| Air Quality and Greenhouse Gases; Cumulative Impacts | David Ernst | 39 years of experience MCRP, Environmental Policy, Harvard University BS, Engineering, Brown University |
| Air Quality and Greenhouse Gases | Edward Carr | 37 years of experience MS, Atmospheric Science, University of Washington BS, Meteorology, San Jose State University |
| Air Quality and Greenhouse Gases | Laura Yoon | 8 years of experience MS, Environmental Management, University of San Francisco BA, Environmental Studies, University of Washington |
| Air Quality and Greenhouse Gases | Darrin Trageser | 4 years of experience MS, Atmospheric Sciences, University of California, Davis |
| Air Quality and Greenhouse Gases | Elliott Wezerek | 2 years of experience BS, Environmental Studies, University of Southern California |
| Air Quality and Greenhouse Gases | Sandy Lin | 9 years of experience MCRP, City and Regional Planning, University of Pennsylvania BA, Urban Studies and Planning, University of California, San Diego BA, Economics, University of California, San Diego |
| Air Quality and Greenhouse Gases | Yi Hua Wei | 30 years of experience MS, Physics, Indiana State University MS, Atmospheric Science, State University of New York, Albany BS, Physics, Nanjing University |
| Air Quality and Greenhouse Gases | Belle Hudischewskyj | 39 years of experience BS, Meteorology, San Jose State University AS, Mathematics, Sierra Community College |

| Project Role | Name, Credential | Qualifications |
|--|------------------|---|
| Air Quality and Greenhouse Gases | Matt McFalls | 11 years of experience MS, Geography, San Diego State University BA, Public Administration, San Diego State University |
| Noise and Vibration | Timothy Johnson | 17 years of experience BS, Mechanical Engineering with Acoustics Concentration, University of Hartford |
| Noise and Vibration | Deborah Jue | 28 years of experience MS, Mechanical Engineering, University of California, Berkeley BS, Engineering and Acoustics, Stanford University |
| Noise and Vibration | Patrick Faner | 10 years of experience BS, Mechanical Engineering, University of California, Berkeley |
| Noise and Vibration | Luke Watry | 3 years of experience BS, Mechanical Engineering, University of Colorado, Boulder |
| Noise and Vibration | Silas Bensing | 10 years of experience BA, Audio Arts and Acoustics, Columbia College |
| Noise and Vibration | Sarah Kaddatz | 5 years of experience BS, Acoustics, Columbia College |
| Noise and Vibration | Taylor Hays | 8 years of experience BS, Meteorology, Rutgers University |
| Electromagnetic Fields and Electromagnetic Interference | Matthew Sneddon | 35 years of experience BS, Physics, University of California, Santa Barbara |
| Electromagnetic Fields and Electromagnetic Interference | Aditya Balani | 15 years of experience MS, Acoustics, Pennsylvania State University |
| Electromagnetic Fields and Electromagnetic Interference | David Fugate | 26 years of experience PhD, Electrical Engineering, Carnegie Mellon University MS, Electrical Engineering, Carnegie Mellon University BS, Electrical Engineering, Carnegie Mellon University |
| Public Utilities and Energy; Station Planning, Land Use, and Development | Leo Mena | 5 years of experience BA, Ecology and Evolutionary Biology, Princeton University |
| Public Utilities and Energy; Safety and Security | Robert Lanza, PE | 35 years of experience ME, Chemical Engineering, Cornell University BS, Chemical Engineering, Cornell University |

| Project Role | Name, Credential | Qualifications |
|----------------------------------|---|---|
| Biological and Aquatic Resources | Matt Ricketts | 19 years of experience MS, Biology/Applied Ecology, Eastern Kentucky University BS, Natural Resources and Environmental Science, University of Illinois, Urbana-Champaign |
| Biological and Aquatic Resources | Torrey Edell | 14 years of experience BS, Ecology and Systematic Biology, California Polytechnic State University, San Luis Obispo |
| Biological and Aquatic Resources | LeAnne Rojas | 8 years of experience MS, Water Resources Management, University of Idaho BS, Biological Conservation, California State University, Sacramento |
| Biological and Aquatic Resources | Joel Butterworth, PWS, QSD, CPESC | 31 years of experience MS, Geography, Oregon State University BA, Geography, University of California, Santa Barbara |
| Biological and Aquatic Resources | Brad Schafer | 22 years of experience BS, Biology, Western Illinois University |
| Hydrology and Water Resources | Analette Ochoa, PE, QSD/P, ToR | 25 years of experience BS, Civil Engineering, University of California, Davis |
| Hydrology and Water Resources | Tony Jones, JD, QSD/P, QISP, ToR, CPESC, CESSWI | 24 years of experience JD, University of California, Davis BS, Environmental Chemistry, University of California, Davis |
| Hydrology and Water Resources | Alvin Yim, CPSWQ, QSD/P | 12 years of experience BS, Civil Engineering, San Francisco State University |
| Hydrology and Water Resources | Kazuya Tsurushita, PE | 11 years of experience BS, Civil and Environmental Engineering, University of California, Davis |
| Hydrology and Water Resources | Cuyler Stapelmann | 8 years of experience BS, Conservation and Resource Studies, University of California, Berkeley |
| Hydrology and Water Resources | Nicolle Belle Isle, EIT | 7 years of experience MS, Environmental Engineering, University of California, Berkeley BA, Linguistics and French, Harvard University |
| Hydrology and Water Resources | Ashley Chan | 5 years of experience BS, Ecology and Evolutionary Biology, University of California, Irvine |
| Hydrology and Water Resources | Yerae Seo | 2 years of experience BS, Science of Earth Systems, Cornell University |

| Project Role | Name, Credential | Qualifications |
|--|---------------------------|--|
| Hydrology and Water Resources | Laura Rocha, CPSWQ, QSD/P | 14 years of experience MS, Environmental Studies, California State University, Fullerton BA, Environmental Studies and Psychology, University of California, Santa Barbara |
| Geology, Soils, Seismicity, and Paleontological Resources; Hazardous Materials and Waste | Paul Cottingham, CEG | 16 years of experience BS, Geology, Humboldt State University |
| Geology, Soils, Seismicity, and Paleontological Resources; Hazardous Materials and Waste | Phil Stuecheli, CEG | 33 years of experience MS, Geology, Ohio State University BS, Geology, Ohio State University |
| Geology, Soils, Seismicity, and Paleontological Resources | Abram Magel, PE | 6 years of experience MS, Geotechnical Engineering, University of California, Berkeley BA, Environmental Studies, University of California, Santa Cruz BS, Civil and Environmental Engineering, University of California, Berkeley |
| Geology, Soils, Seismicity, and Paleontological Resources | Mark Gilbert, GE | 36 years of experience MS, Geotechnical Engineering, Arizona State University, Tempe BS, Civil Engineering, Arizona State University, Tempe |
| Geology, Soils, Seismicity, and Paleontological Resources | Matt Clark, EIT | 5 years of experience MS, Civil and Environmental Engineering (Geotechnical Concentration), California Polytechnic State University, San Luis Obispo BS, Civil and Environmental Engineering, California Polytechnic State University, San Luis Obispo |
| Geology, Soils, Seismicity, and Paleontological Resources | Courtney Richards | 12 years of experience MS, Biological Sciences (Paleontology Emphasis), Marshall University BS, Earth and Space Sciences, University of Washington |
| Geology, Soils, Seismicity, and Paleontological Resources | Kate Zubin-Stathopoulos | 9 years of experience MS, Geoscience, University of Calgary |
| Geology, Soils, Seismicity, and Paleontological Resources | Geraldine Aron | 18 years of experience MS, Geological Sciences (Paleontology Emphasis), California State University, Long Beach |
| Geology, Soils, Seismicity, and Paleontological Resources | Paul Nesbitt | 3 years of experience MS, Geography (GIS), California State University, Long Beach |

| Project Role | Name, Credential | Qualifications |
|--|--------------------------|---|
| Executive Summary; Geology, Soils, Seismicity, and Paleontological Resources; Hazardous Materials and Waste; Ch. 7 Other CEQA/NEPA Considerations; Ch. 8 Preferred Alternative | Alex Bartlett | 11 years of experience BGS, Environmental Studies, University of Kansas |
| Geology, Soils, Seismicity, and Paleontological Resources; Hazardous Materials and Waste | Diana Roberts | 19 years of experience MS, Environmental Studies coursework, San Jose State University MA, Linguistics, Cornell University BS, Applied Psychology, Georgia Institute of Technology |
| Hazardous Materials and Wastes | Shawn Munger, PG, CHG | 30 years of experience BS, Geological Sciences, University of California, Davis |
| Hazardous Materials and Wastes | Richard Gandolfo, QSD | 10 years of experience BS, Environmental Science, California State University, East Bay |
| Hazardous Materials and Wastes | Jenna Lohman, PE | 3 years of experience MS, Civil Engineering, University of California, Berkeley BS, Environmental Engineering, Tufts University |
| Hazardous Materials and Wastes | Travis Chatters, PE, QSD | 6 years of experience MS, Geotechnical Engineering, California State University, Sacramento BS, Civil Engineering, California State University, Chico |
| Hazardous Materials and Wastes | Brooke Spruit, EIT | 2 years of experience BS, Civil Engineering, University of Michigan BS, Environmental Engineering, University of Michigan |
| Safety and Security; Socioeconomics and Communities; Community Impact Assessment; Parks, Recreation, and Open Space; Section 4(f)/6(f) Evaluation | Devan Atteberry | 1 year of experience BS, Environmental Management and Protection, California Polytechnic State University, San Luis Obispo |
| Socioeconomics and Communities; Community Impact Assessment; Station Planning, Land Use, Development | Jennifer Andersen | 7 years of experience BA, International Relations, University of Southern California |
| Former Parks, Recreation, and Open Space; Community Impact Assessment; Section 4(f)/6(f) Evaluation | Peter Feldman | 7 years of experience BA, Political Science (American Politics), University of California, Irvine |

| Project Role | Name, Credential | Qualifications |
|---|--------------------|--|
| Former Socioeconomics and Communities; Community Impact Assessment; Environmental Justice | Shilpa Trisal | 15 years of experience MCP, Community Planning, University of Cincinnati BP, School of Planning and Architecture, New Delhi |
| Parks, Recreation, and Open Space; Section 4(f)/6(f) Evaluation; Environmental Justice | Kimberly Stevens | 13 years of experience BS, Geography, University of Utah |
| Former Parks, Recreation, and Open Space | Lawrence Truong | 2 years of experience MP, City and Urban Planning, University of Southern California BS, Community and Regional Development, University of California, Davis |
| Aesthetics and Visual Quality | Michael Kiesling | 11 years of experience BA, Architecture, University of California, Berkeley |
| Aesthetics and Visual Quality | Angela Lin | 21 years of experience BA, Art, Wesleyan University |
| Aesthetics and Visual Quality | Jennifer Ban, PLA | 20 years of experience BLA, Landscape Architecture, Pennsylvania State University |
| Cultural Resources; Section 4(f)/6(f) Evaluation | January Tavel | 9 years of experience MHP, Historic Preservation, University of Maryland, College Park BA, Journalism, University of Maryland, College Park |
| Cultural Resources | Lauran Switzer | 14 years of experience MA, Anthropology, University of South Carolina BS, Anthropology, College of Charleston |
| Cultural Resources | Tait Elder | 14 years of experience MA, Anthropology, Portland State University BA, Anthropology, minor in Geology, Western Washington University |
| Cultural Resources | Susan Lassell | 25 years of experience MA, Historic Preservation Planning, Cornell University BS, Environmental Design, University of California, Davis |
| Cultural Resources | Timothy Yates, PhD | 11 years of experience PhD, U.S. History (emphasis in Cultural, Social, and Urban History), University of California, Davis MA, American Studies, California State University, Fullerton BA, American Studies, University of California, Santa Cruz |

| Project Role | Name, Credential | Qualifications |
|-----------------------------|-------------------------|---|
| Cultural Resources | Yuka Oiwa | 6 years of experience BA, Anthropology, Smith College |
| Cultural Resources | Meta Bunse | 29 years of experience MA, Public History, California State University, Sacramento BA, Women's Studies and Italian Language, University of California, Davis |
| Cultural Resources | Toni Webb | 20 years of experience BFA, Historic Preservation, Savannah College of Art and Design |
| Cultural Resources | Heather Norby | 11 years of experience MA, History, University of California, Berkeley BA, History, University of California, Davis |
| Cultural Resources | Robin Fies | 6 years of experience MA, Anthropology, San Francisco State University BS, Anthropology and Geology, University of California, Davis |
| Regional Growth | Darin Smith | 22 years of experience MCP, City Planning, University of Pennsylvania BA, Psychology, University of Pennsylvania |
| Regional Growth | Edward A. Sullivan, III | 32 years of experience MCP, City Planning, University of Pennsylvania BS, Biology, Metropolitan State University |
| Cumulative Impacts | Merin Swenson | 10 years of experience BS, Environmental Science, University of Utah |
| Cumulative Impacts | Susan Swift | 26 years of experience MA, Planning and Development Studies, University of Southern California BA, Psychology, University of California, Berkeley |
| Cumulative Impacts | Debra Rogers | 20 years of experience MBA, International Business/Marketing, University of North Carolina, Chapel Hill BS, Business Administration/Marketing, Villanova University |
| Ch. 5 Environmental Justice | Caroline Vurlumis | 2 years of experience BA, Environmental Analysis, Scripps College |
| Ch. 5 Environmental Justice | Tanya Copeland | 18 years of experience MS, Ecology and Evolution, University of Illinois at Chicago BS, Chemistry, University of Illinois at Chicago |

| Project Role | Name, Credential | Qualifications |
|---|------------------------|--|
| Environmental Justice; Outreach and Documentation | Rafael Silberblatt | 8 years of experience MLA, Landscape Architecture Environmental Planning, University of California, Berkeley BA, Comparative Literature, University of California, Berkeley |
| Ch. 5 Environmental Justice; Ch. 9 Public Agency Involvement | Tiffany Mendoza | 14 years of experience BA, Political Science, Wright State University |
| Ch. 7 Other CEQA/NEPA Considerations; Ch. 10 EIR/EIS Distribution | Jamie Genevie | 8 years of experience MURP, Urban and Regional Planning, Virginia Polytechnic Institute and State University BA, Global Change and Sociology, University of Michigan |
| Geographic Information Systems Manager | William C. Parker | 7 years of experience MA, Geography, San Francisco State University (in progress) BA, Anthropology, University of California, Berkeley GIS Certification of Completion, Diablo Valley College |
| Geographic Information Systems | Jason Thoene | 21 years of experience MS, Geographic Information Systems, University of Colorado, Denver BA, Geology, University of Montana |
| Geographic Information Systems; Cultural Resources | Melissa Cascella | 11 years of experience MA, Cultural Resources Management, Sonoma State University BS, Anthropology, University of California, Riverside GIS Certificate, Pennsylvania State University |
| Geographic Information Systems | Lissa Johnson | 14 years of experience BA, Anthropology, University of Idaho BA, Digital Media Studies, University of Denver Graduate Certificate, GIS, University of Denver |
| Former Geographic Information Systems | Cristina Lopez-Barrios | 5 years of experience MA, Geographic Information Science, Saint Mary's University of Minnesota BA, Forestry Engineering, Extremadura University GIS Certification of Completion, San Francisco City College |
| Geographic Information Systems | Greg Nichols | 23 years of experience MA (candidate), Geography, San Diego State University BA, Environmental Studies, California State University, San Bernardino |

| Project Role | Name, Credential | Qualifications |
|---|-------------------|--|
| Geographic Information Systems | Brent Read | 16 years of experience MS, Watershed Science, Colorado State University BS, Forestry, Colorado State University |
| Geographic Information Systems Cultural Resources | Matthew Sisneros | 4 years of experience BS, Anthropology, Portland State University GIS Certificate, Portland Community College |
| Geographic Information Systems | Matt Wood | 7 years of experience MS, Geography, Portland State University BS, Environmental Biology/Zoology, Michigan State University, East Lansing |
| Geographic Information Systems | Jesika Allen | 2 years of experience MS, Geographic Information Systems, Florida State University BA, English Literature, University of Florida, Gainesville |
| Geographic Information Systems | Brittany Buscombe | 15 years of experience BA, Environmental Analysis and Design, University of California, Irvine |
| Geographic Information Systems | Daniel Schiff | 15 years of experience BA, Geography, California State University Sacramento |
| Managing Editor | Lawrence B. Goral | 25 years of experience |
| Lead Editor; References | Christine McCrory | 16 years of experience PhD Candidate, Germanic Languages and Literatures, Washington University, St. Louis MPhil, European Literature, Lincoln College, Oxford University BA, Anthropology and German, University of California, Berkeley |
| Editor; References | Sara Wilson | 22 years of experience BA, Classical Languages (Ancient Greek, Latin), University of California, Berkeley |
| Former Technical Editor | Laura Cooper | 25 years of experience BA, Psychology, Reed College |
| Publications Specialist | Anthony Ha | 14 years of experience BA, English, Saint Mary's College of California |
| References | Barbara Wolf | 22 years of experience MA, Anthropology, University of Arizona, Tucson BA, Geography and Anthropology, University of Southern Maine |
| References | Dennis Johnson | 10 years of experience JD, University of Connecticut School of Law BA, English Literature, University of California, Berkeley |

| Project Role | Name, Credential | Qualifications |
|--------------|------------------|--|
| References | GraceAnne Lourie | 1 year of experience MSc, Sustainability Science and Policy, Maastricht University BA, Ecology and Evolutionary Biology, University of Colorado, Boulder |
| References | Kristin Gunn | 4 years of experience MS, Information Science, Drexel University BS, Business Administration, University of Denver |
| References | Stephen Unyi | 15 years of experience BA, History, University of California, Los Angeles |

AS = Associate of Science

BA = Bachelor of Arts

BFA = Bachelor of Fine Arts

BGS = Bachelor of General Studies

BLA = Bachelor of Landscape Architecture

BP = Bachelor of Planning

BS = Bachelor of Science (United States)

BSc = Bachelor of Science (England)

BT = Bachelor of Technology

CEG = Certified Engineering Geologist

CESSWI = Certified Erosion, Sediment and Stormwater Inspector

CHG = Certified Hydrogeologist

CPESC = Certified Professional in Erosion and Sediment Control

CPSWQ = Certified Professional in Stormwater Quality

EIT = Engineer in Training

GE = Geotechnical Engineer

GIS = Geographic Information Systems

JD = Juris Doctor

MA = Master of Arts

MBA = Master of Business Administration

MCP = Master of City Planning

MCRP = Master of City and Regional Planning

ME = Master of Engineering

MHP = Master of Historic Preservation

MLA = Master of Landscape Architecture

MP = Master of Planning

MPhil = Master of Philosophy

MS = Master of Science (United States)

MSc = Master of Science (England, Netherlands)

MUP = Master of Urban Planning

MURP = Master of Urban and Regional Planning

PE = Professional Engineer

PG = Professional Geologist

PhD = Doctor of Philosophy

PLA = Professional Landscape Architect

PWS = Professional Wetland Scientist

QISP = Qualified Industrial Stormwater Practitioner

QSD = Qualified SWPPP Developer

QSP = Qualified SWPPP Practitioner

TE = Traffic Engineer

ToR = Trainer of Record