



Item No. 20 Town of Atherton

CITY COUNCIL STAFF REPORT – CONSENT AGENDA

TO: HONORABLE MAYOR AND CITY COUNCIL

THROUGH: GEORGE RODERICKS, CITY MANAGER

FROM: LISA COSTA SANDERS, TOWN PLANNER

DATE: OCTOBER 19, 2016

SUBJECT: AUTHORIZE THE CITY MANAGER EXECUTE AN AGREEMENT WITH LSA ASSOCIATES, INC. FOR PREPARATION OF THE CALIFORNIA WATER SERVICES BEAR GULCH STATION 5 PROJECT ENVIRONMENTAL DOCUMENTATION IN AN AMOUNT NOT TO EXCEED \$43,054.

RECOMMENDATION

It is recommended that the City Council authorize the City Manager execute a Professional Services Agreement with LSA Associates Inc., for the preparation of the California Water Services Bear Gulch Station 5 project environmental documentation in an amount not to exceed \$43,054.

BACKGROUND

California Water Services Company (Cal Water) owns and operates the Bear Gulch Reservoir in the Town of Atherton. Cal Water proposes to construct a new 3 million gallon pre-stressed concrete storage tank at the existing Bear Gulch Station 5 property located at 120 Reservoir Road. Based on a preliminary review of the request, Staff determined that the project is not exempt from the California Environmental Quality Act (CEQA) and further environmental analysis of the project is required.

ANALYSIS

Staff requested proposals to prepare the appropriate CEQA analysis and documentation of the project from five firms and received three responsive proposals. Based on the review of the proposals, Staff recommends proceeding with LSA Associates. LSA has relevant experience with evaluation of similar water tank projects, was the lowest cost proposal and with the shortest timeline.

The cost to complete the analysis, prepare the appropriate CEQA documentation and attend a public hearing is \$39,140. Staff recommends adding a 10% contingency to the contract to address unknown issues that may arise for a total contract authorization of \$43,054. The consultant expense and Staff cost will be fully paid for by the applicant.

FISCAL IMPACT:

All costs covering the processing of this application are paid for by the applicant.

PUBLIC NOTICE:

Public notification was achieved by posting the agenda, with this agenda item being listed, at least 72 hours prior to the meeting in print and electronically. Information about the project is also disseminated via the Town's electronic News Flash and Atherton Online. There are approximately 1,200 subscribers to the Town's electronic News Flash publications. Subscribers include residents as well as stakeholders – to include, but be not limited to, media outlets, school districts, Menlo Park Fire District, service providers (water, power, and sewer), and regional elected officials.

ATTACHMENT

1. LSA's Proposal for Services for the California Water Services Company Bear Gulch Station 5 Project Environmental Documentation dated October 3, 2016



LSA ASSOCIATES, INC.
2215 FIFTH STREET
BERKELEY, CALIFORNIA 94710

510.540.7331 TEL
510.540.7344 FAX

CARLSBAD
FRESNO

IRVINE
PALM SPRINGS
PT. RICHMOND

RIVERSIDE
ROCKLIN
SAN LUIS OBISPO

October 3, 2016

Lisa Costa Sanders
Town of Atherton
91 Ashfield Road
Atherton, CA 94070

Subject: California Water Services Company Bear Gulch Station 5 Project Environmental Documentation – Proposal for Services

Dear Lisa:

LSA Associates, Inc. (LSA) is pleased to submit this proposed scope, schedule and budget for environmental review of the Bear Gulch Station 5 Project (project), pursuant to the California Environmental Quality Act (CEQA). Primary staff on this project will be **Theresa Wallace, Associate**, who will serve as project manager and **Judith Malamut**, who will serve as **Principal-in-Charge**. **Matthew Wiswell, Assistant Planner** will assist Theresa with preparation of the environmental documentation and **Tim Lacy, Principal Biologist, John Kunna, Biologist** and **Tim Milliken, Arborist** will peer review the applicant's arborist report and prepare the biological resources analysis. **Amy Fischer, Principal Air Quality/Noise Specialist**, will oversee the preparation of the air quality, greenhouse gas emissions, noise, and transportation and circulation analyses. Resumes for key staff members are included in an attachment to this proposal.

PROJECT UNDERSTANDING AND APPROACH

The California Water Service Company (Cal Water) is proposing to construct a new 3 million gallon pre-stressed concrete storage tank at the existing Bear Gulch Station 5 property. The project site is situated within Cal Water's Bear Gulch Reservoir property within the Town of Atherton; however, the site itself is partially located within the boundaries of the Town of Woodside. Three existing water tanks are located on the site, each with a respective capacity of 250,000 gallons, 100,000 gallons, and 1 million gallons. The existing 100,000 gallon redwood tank was taken out of service a few years ago due to its poor condition and weakening structural integrity and would be demolished as part of the project.

The new water tank would be constructed on the existing water tank site and would be approximately 42 feet in height and 143 feet in diameter. The tank roof would be column supported, with a flat surface for easy access and maintenance. The project would include installation of all related infrastructure, including foundation, connections, piping, tie-ins, and instrumentation. The new tank would also have an asphalt apron and drainage infrastructure. A new access road would be developed to provide access to the new tank location. Construction activities would include demolition, tree removal, site grubbing, and grading.

Based on review of existing project materials, LSA proposes to prepare an Initial Study to evaluate the potential environmental impacts that could be associated with the proposed project. This scope of work assumes that an Initial Study/Mitigated Negative Declaration (IS/MND) will be adequate to satisfy the requirements of CEQA. Should the Initial Study analysis identify significant and

unavoidable impacts associated with the proposed project, LSA will discuss these issues with Town staff and determine an appropriate strategy for addressing these issues per CEQA requirements. This scope is based on the assumption that the project will not result in significant unavoidable environmental impacts and that additional environmental analysis and documentation (beyond an IS/MND) will not be required. The Town of Atherton is the Lead Agency for this environmental analysis; it is assumed that LSA would not need to coordinate with the Town of Woodside regarding the project.

SCOPE OF WORK

The scope of work for preparation of an IS/MND is outlined below.

TASK A: PROJECT INITIATION

Project initiation will include a site visit, data gathering and evaluation, and preparation of a project description.

Existing data and analyses applicable to the project site and vicinity will be collected, evaluated, and reviewed by the project team. It is assumed that, at a minimum, the applicant will provide the following project-related materials (some of these materials may have already been provided):

- Written description of the project, including any phases;
- Description of construction activities including duration, equipment, number of truck trips, and excavation and grading;
- Site plan which includes the following: structure footprint; setbacks; circulation; and landscaping;
- Conceptual elevations showing height and appearance of the proposed water tank;
- Description of pervious/impervious surfaces, both pre- and post-construction;
- Geotechnical Report;
- Phase I Environmental Site Assessment or other hazardous materials reports; and
- Arborist Report.

LSA will review the above materials provided by the applicant, as well as any other additional background reports during the project initiation phase. LSA will also review the Town's applicable planning and policy documents, as well as any other pertinent background documents.

Based on the applicant's site plan and elevations, technical studies completed for the proposed project, and conversations with Town staff and the project team, LSA will draft a project description that includes all elements necessary to comply with CEQA, including, but not limited to, the purpose, physical elements and phasing of the proposed project. The project description will include a map showing the location and boundaries of the project site. The project description will also describe the overall approval process for the project and identify all discretionary and anticipated subsequent approvals. All relevant agencies and reviewing bodies will also be identified.

Crafting an appropriately detailed and illustrated project description is often the single most time-consuming (as well as important) element of a CEQA review document. LSA will work closely with the Town to ensure that the project description provides a level of detail appropriate for CEQA

analysis. A draft project description will be submitted to the Town and applicant for review and comment before the LSA team begins conducting any impact analyses.

TASK B: ENVIRONMENTAL EVALUATION

LSA will conduct an analysis of the project's impacts in the following topical areas as identified in Appendix G of the CEQA Guidelines: aesthetics; agriculture and forestry resources; air quality; biological resources; cultural resources; geology and soils; greenhouse gas emissions; hazards and hazardous materials; hydrology and water quality; land use and planning; mineral resources; noise; population and housing; public services, recreation; transportation and circulation; and utilities and service systems. Each of these topics will be fully addressed in the Initial Study analysis at a level of detail appropriate for the proposed project. The Town's standard conditions of approval and existing regulations will be applied wherever possible. This scope of work assumes that upon completion of the Initial Study, a recommendation will be made that a Mitigated Negative Declaration will satisfy CEQA documentation requirements. Preparation of an Environmental Impact Report is not included in this scope of work.

The following issue topics are anticipated to warrant a greater level of analysis, including quantitative and/or technical review by LSA specialists: air quality and greenhouse gas emissions; biological resources; and noise. These topics will be evaluated as described below; mitigation measures to reduce significant effects to a less-than-significant level will be recommended, as necessary. All other issue topics will be evaluated utilizing existing available background materials.

- **Biological Resources.** LSA biologists will conduct a field survey, review background information and conduct a literature review to identify the potential for special-status species to occur on or in the vicinity of the project site. Existing conditions, including vegetation and wildlife habitats and waters of the U.S. or State on and within the immediate vicinity of the site will be described. Applicable regulatory requirements will be identified. LSA biologists will complete the Initial Study checklist responses using information gathered from the field visit and literature review. LSA biologists will also peer review the Arborist Report prepared by the applicant's consultant and identify potential mitigation measures to be implemented as necessary.
- **Air Quality/Greenhouse Gas Emissions.** Operation of the proposed project is not anticipated to result in the generation of a substantial amount of air quality or greenhouse gas emissions. However, emissions would be generated during demolition, site preparation, and construction activities, primarily through operation of diesel-fueled equipment and through construction vehicle trips. The air quality and greenhouse gas emissions analyses will include the following components: 1) assessment of baseline air quality in the area, as documented by nearby air monitoring stations; 2) assessment of construction impacts, including a screening level health risk assessment; and 3) recommendation of mitigation measures consistent with Bay Area Air Quality Management District (BAAQMD) guidelines.
- **Noise.** Operation of the proposed project is not anticipated to result in a substantial new source of noise in the vicinity as the site is already used and maintained as a water storage facility. However, construction of the proposed project would result in short-term construction noise and existing residential uses are located within the immediate vicinity (approximately 150 feet west of the site). The noise analysis will include the following components: 1) a description of existing noise conditions in and around the project site; 2) a quantitative assessment of noise impacts related to project construction activities; and 3) the preparation

of mitigation measures consistent with best practice standards. This scope of work assumes on-site noise monitoring would not be required. However, if a noise monitoring effort is determined to be necessary, a scope/budget augment can be undertaken.

1. Administrative Draft IS/MND

The above-described analysis will be compiled into an Administrative Draft Initial Study that will include the following components. Figures will be provided to illustrate the project site, the proposed project and the study's findings.

- Project Description
- CEQA Environmental Checklist Form
- Mandatory Findings of Significance
- Contacts and Bibliography
- Technical Appendices
- Mitigated Negative Declaration

A digital version (in Word and PDF formats) of the Administrative Draft Initial Study will be submitted to the Town for review and comment. At the end of the Town's review, LSA will discuss Town comments on the Administrative Draft during a conference call, if necessary.

2. Screencheck Draft IS/MND

LSA will amend the Administrative Draft Initial Study based on a single set of consolidated non-contradictory comments provided to LSA by the Town. A digital version of the Screencheck Draft Initial Study will be provided to the Town to verify that all requested changes have been made and all appendix materials, references, and final graphics are acceptable. We have allotted time for responding to changes; however, if this task exceeds the cost allotted in the budget due to changes in project description or requests for additional analysis that are not necessary to prepare a legally-adequate document, a budget adjustment may be required.

3. Public Review Draft IS/MND

LSA will produce final copies of the Public Review Draft Initial Study. Our budget assumes printing of up to 15 copies of the Initial Study (but additional copies could be produced on a time-and-materials basis). LSA will also provide PDF versions of the IS/MND and a copy-ready version of the document.

LSA will also prepare a Notice of Completion, in accordance with the CEQA Guidelines, and coordinate with the Town to distribute the Draft IS/MND pursuant to CEQA and Town review procedures.

4. Final IS/MND

LSA will review any public and agency comments received on the IS/MND during the public review period, and prepare responses to CEQA-related comments in a memorandum format, as necessary. This scope and budget assume a minimal level of effort to respond to comments. Should an unexpectedly large volume of comments be submitted, LSA will request an adjustment in the budget to cover work beyond the assumed level. LSA assumes one round of Town review will be appropriate.

LSA will prepare a Mitigation Monitoring and Reporting Program (MMRP). The MMRP will list mitigation measures that are recommended in the IS/MND and provide standards and timelines for monitoring these measures. Electronic copies of the final MMRP will be submitted to the Town with the Response to Comments memorandum.

TASK C: PROJECT MANAGEMENT

Judith and Theresa will undertake a variety of general project management tasks throughout the process of preparing the Initial Study and coordinate with the Town as necessary. Judith will provide input on and monitor the scope, budget, and scheduling of the project. She will also ultimately be responsible for quality assurance for all work undertaken and will review all prepared text, tables, and graphics before these materials are presented as administrative review documents. She will also be available for consultation on environmental review procedural matters.

Theresa will coordinate the day-to-day activities associated with the project. Project management tasks include regular client contact; contract management; oversight of team members; schedule coordination; and development of products.

TASK D: MEETINGS

Judith and Theresa will be available throughout the environmental documentation preparation period to meet with the Town to gather information, review progress, review preliminary findings, and discuss comments and concerns about the project. The cost estimate includes attendance by Judith and/or Theresa at up to two general teleconferences and one in-person meeting. Theresa and Matthew Wiswell, Planner, will attend one public hearing. Should the Town require LSA's presence at additional meetings, such meetings would be billed on a time and materials basis.

SCHEDULE AND BUDGET

Table 1, on the following page, includes a preliminary schedule for preparation and review of the Initial Study. Dates shown are for illustrative purposes only and may need to be refined. This schedule assumes that the Administrative Draft Initial Study will be submitted within four weeks of authorization to proceed.

For completion of the proposed scope of services within the schedule set forth in this proposal, the LSA team has provided a preliminary cost estimate in the form of a spreadsheet that details tasks by assigned personnel (see Table 2), consistent with our standard contract provisions and billing rates. The estimated cost of the LSA team's labor and direct expenses is \$39,140. We have also identified a contingency amount of 5 percent of the total budget (\$2,000). The amount would not be used without written authorization from the Town. With the contingency amount, the total contract would be \$41,140.

Table 1: Preliminary Environmental Review Schedule

Milestone	Responsible Party	Duration ^a	Cumulative Week	Date ^b
Authorization to Proceed	Town	–	–	October 3, 2016
Draft Project Description ^c	LSA	1 week	1	October 10, 2016
Review of Draft Project Description	Town	1 week	2	October 17, 2016
Prepare Administrative Draft Initial Study	LSA	4 weeks	4	October 31, 2016
Review Administrative Draft Initial Study	Town	2 weeks	6	November 14, 2016
Prepare Screencheck Draft Initial Study and Final TIA	LSA	1 week	7	November 21, 2016
Review Screencheck Draft Initial Study and Final TIA	Town	1 week	8	November 30, 2016
Prepare and Publish Public Review Draft IS/MND	LSA	1 week	9	December 7, 2016
30-Day Comment Period	–	30 days	13	January 5, 2017
Prepare Admin. Draft Response to Comments Memo and MMRP	LSA	1 week	14	January 12, 2017
Review of Admin. Draft Response to Comments Memo and MMRP	Town	1 week	15	January 19, 2017
Prepare and Distribute Final Response to Comments Memo and MMRP	LSA	3 days	16	January 23, 2017
Final MND Adoption	Town	>10 days	18	TBD

^a Number of days refers to business days excluding weekends and holidays

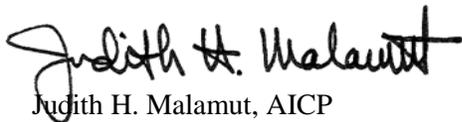
^b Specific dates are shown to illustrate the timeline. These dates will likely be refined to reflect actual authorization to proceed and receipt of application materials.

^c Assumes that all requested project information and materials are received within 1 day of authorization to proceed

As is always the case with our proposed scope, budget, and schedule, we are open to suggestions for refinement and look forward to discussing with you our approach to this assignment. Please contact Judith or Theresa at 510-540-7331 if you have any questions.

Sincerely,

LSA ASSOCIATES, INC.



Judith H. Malamut, AICP
Managing Principal



Theresa Wallace, AICP
Associate/Project Manager

Attachment A: Resumes

Attachment B: Standard Contract Provisions and Billing Rates

Table 2: CEQA Cost Estimate

LABOR COSTS											
LSA Associates, Inc.											
	Principal-in-Charge (Malamut)	Project Manager (Wallace)	Planner (Wiswell)	Principal, Air Quality/GCC Specialist (Fischer)	Air Quality/Noise Specialist (Staff)	Principal, Biologist (Lacey)	Biologist (Kunna)	Arborist (Milliken)	Graphics/Production (Linder)	Word Processing (Hanshaw)	<i>LSA Total</i>
<i>Hourly Rate:</i>	\$215	\$150	\$85	\$170	\$100	\$185	\$110	\$95	\$105	\$105	
TASK A. Project Initiation											
1 Start-Up & Site Visit		4	4				6	6			\$2,170
2 Data Gathering and Evaluation			4								\$340
3 Project Description	2	8	2						4	1	\$2,325
<i>Subtotal Task A</i>	2	12	10	0	0	0	6	6	4	1	\$4,835
TASK B. Evaluation of Environmental Effects											
1 Aesthetics		2	6								\$810
2 Agricultural and Forestry Resources			1								\$85
3 Air Quality		1		2	6						\$1,090
4 Biological Resources	1	4				3	12	6	4	1	\$3,785
5 Cultural Resources		1	4								\$490
6 Geology/Soils		1	6								\$660
7 Global Climate Change		1		2	4						\$890
8 Hazards/Hazardous Materials		1	6								\$660
9 Hydrology/Water Quality		2	6								\$810
10 Land Use/Planning		1	2								\$320
11 Mineral Resources			1								\$85
12 Noise		2		2	6						\$1,240
13 Population/Housing			1								\$85
14 Public Services			4								\$340
15 Recreation			1								\$85
16 Transportation/Traffic		2	6	4							\$1,490
17 Utilities/Service Systems		2	4								\$640
18 Mandatory Findings of Significance			1								\$85
<i>Subtotal Task B</i>	1	20	49	10	16	3	12	6	4	1	\$13,650
TASK C. Initial Study											
1 Administrative Draft	8	10	4						2	6	\$4,400
2 Screencheck Draft	4	8	6	1	2	2	2		2	4	\$4,160
3 Public Review Draft IS/MND	2	6	4						4	2	\$2,300
4 Response to Comments/Final MND	1	4					2		2	1	\$1,350
5 Mitigation Monitoring and Reporting Program		1	2							1	\$425
<i>Subtotal Task C</i>	15	29	16	1	2	2	4	0	10	14	\$12,635
TASK D. Meetings (1 meeting; 1 public hearing; 2 teleconferences)											
<i>Subtotal Task D</i>	4	14	10	0	0	0	0	0	0	0	\$3,810
TASK E. Project Management											
<i>Subtotal Task E</i>	4	16	0	0	0	0	0	0	0	0	\$3,260
TOTAL LABOR	26	91	85	11	18	5	22	12	18	16	\$38,190
MISCELLANEOUS COSTS											
1 Deliveries/Travel/Reports											\$400
2 Printing/Copies (Assumes 15 copies of the Public Review Draft IS/MND)											\$550
TOTAL MISCELLANEOUS COSTS											\$950
SUBTOTAL COST											
SUBTOTAL COST											\$39,140
CONTINGENCY FUNDS											
5 Percent Contingency											\$2,000
TOTAL COST (WITH CONTINGENCY)											
TOTAL COST											\$41,140

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ATTACHMENT A

Resumes



EXPERTISE

CEQA/NEPA Project Management

Environmental Planning and Impact Analysis

Land Use Planning

EDUCATION

B.A., Environmental Studies
University of California
Santa Cruz, 2002

PROFESSIONAL AFFILIATIONS

American Institute of Certified Planners (AICP)

American Planning Association (APA)

Association of Environmental Professionals (AEP)

San Francisco Planning and Urban Research Association (SPUR)

PROFESSIONAL RESPONSIBILITIES

Theresa Wallace has 13 years of experience in managing and preparing a variety of environmental documents including CEQA initial studies/mitigated negative declarations and environmental impact reports and NEPA technical studies, environmental assessments, and environmental impact statements.

Ms. Wallace manages the environmental documentation for a diversity of public and private development and redevelopment projects, on both urban infill and greenfield sites. Current and recent projects include: a number of residential, commercial, office, institutional, and mixed-use projects as well as public park master plans and facilities; roadway expansions and bridge construction; bicycle and pedestrian paths and trails; and airport master plans and facilities. She is responsible for the day-to-day activities associated with the management and preparation of environmental review documents, including regular client contact; oversight of subconsultants and in-house specialists; schedule coordination; and development of products. Her direction to environmental team members aims to ensure an internally-consistent, coherent document that fulfills all CEQA requirements.

PROJECT EXPERIENCE

At present, Ms. Wallace is the Project Manager for the *1900 Fourth Street Project EIR* and *600 Addison Street EIR* for the City of Berkeley and the *598 Brannan Street Community Plan Exemption* documentation for the City and County of San Francisco, all of which include the redevelopment of underutilized blocks of industrial and commercial sites with a mix of residential, office, research and development and/or commercial uses.

Ms. Wallace is also the Project Manager for the *Stanford Avenue Staging Area Expansion Project at Mission Peak Focused EIR* for the East Bay Regional Park District, which includes analysis of two potential development sites for location of a new parking area within the boundaries of Mission Peak. She is also currently serving as the Project Manager for the *Iron Horse Trail Overcrossings Project CEQA/NEPA* documentation for the City of San Ramon and the *Bay Trail to Lake Merritt Bicycle/Pedestrian Bridge Project CEQA/NEPA* documentation for the City of Oakland.

Ms. Wallace recently served as the Project Manager for the *Children's Hospital and Research Center Oakland EIR*, for the City of Oakland which evaluated the effects of the hospital's phased redevelopment over a 20 year horizon. The following is a selected list of her recently-managed projects:

- *1601 Mariposa Street Mixed Use Project EIR* for Related California/City and County of San Francisco
- *Fifth and Mission (5M) Project EIR* for Forest City/City and County of San Francisco
- *Atherton Library Building Focused EIR and Initial Study* for the Town of Atherton
- *Hanna Ranch Mixed-Use Project EIR* for the City of Novato

**PROFESSIONAL
EXPERIENCE**

Associate
LSA Associates, Inc.
June 2005-present

Environmental Planner
Nichols-Berman
Benicia, CA
January 2005 – June 2005

Environmental Analyst
Russell Associates
Palo Alto, CA
October 2003 – May 2005

PROJECT EXPERIENCE (CONTINUED)

- *2201 Dwight Way Project EIR* for the City of Berkeley
- *College Park High School Athletic Facilities Improvements Project IS/MND* for the Mount Diablo Unified School District
- *676 El Camino Real Surface Parking Lot Initial Study/Mitigated Negative Declaration* for the City of San Carlos
- *Lake Merritt Boulevard Apartments CEQA* for UrbanCore-Integral LLC
- *Cabello Subdivision IS/MND* for the City of Union City
- *Mindego Gateway Initial Study/Mitigated Negative Declaration* for the Midpeninsula Open Space District
- *California Maritime Academy Police Building Initial Study/Mitigated Negative Declaration* for the California State University
- *California Maritime Academy Physical Education and Pool Facility Initial Study/Mitigated Negative Declaration* for the California State University
- *California Maritime Academy Master Plan EIR Addendum for the Dining Center Replacement Project* for the California State University
- *Downtown Family Development Project CEQA and NEPA Documentation* for the City of Mountain View
- *Buchanan Street Bicycle/Pedestrian Plan CEQA/NEPA Documentation* for the City of Albany
- *680 Trail Initial Study/Mitigated Negative Declaration* for the County of Marin
- *Green Valley Plaza Project Focused EIR and Initial Study* for the City of Fairfield
- *Downtown Specific Plan EIR* for the City of Oakley
- *Napa County Health and Human Services Agency Campus Focused EIR and Initial Study* for the County of Napa
- *Prewett Park Community Center Initial Study/Mitigated Negative Declaration* for the City of Antioch

Ms. Wallace also coordinates technical studies for development projects that become part of the development application, including those for Northgate Walk Project in the City of San Rafael and The Aquatic Residential Project (Phase I and II) and 2001 Fourth Street Mixed Use Project in the City of Berkeley. She also serves as the expediting planner to assist City of Berkeley Planning staff with processing of the 600 Addison Street and 1900 Fourth Street development applications. This role involves close coordination and contact with the project applicant and members of the public and preparation and presentation of staff reports at public hearings.



EXPERTISE

CEQA/NEPA Project Management
Land Use Policy Planning
Environmental Planning
Resource Management Planning
Trail, Open Space and Recreation Planning

EDUCATION

University of Pennsylvania, Philadelphia
Master of City and Regional Planning, 1987

University of California, Berkeley, B.S., Conservation and Resource Studies, 1982

PROFESSIONAL AFFILIATIONS

American Institute of Certified Planners (AICP)
American Planning Association (APA)
Association of Environmental Professionals (AEP)
San Francisco Bay Trail Board of Directors
San Francisco Planning and Urban Research Association
Berkeley Design Advocates
UC Berkeley College of Natural Resources Alumni Board

PROFESSIONAL RESPONSIBILITIES

Judith H. Malamut, AICP, is an environmental, city and regional planner with 30 years of experience. As the Managing Principal of the Berkeley office, she provides guidance and oversight that ensures LSA's dedication to quality while mentoring staff. She serves as Principal-in-Charge and Project Manager for large and small-scale projects, often with multi-disciplinary teams, and has provided technical expertise to complete a full range of land use and environmental planning projects. Her activities with LSA include project management for CEQA and NEPA documents, preparing resource management plans, and conducting environmental analysis, and trail, open space and recreation planning.

In keeping with LSA's commitment to senior level management, Ms. Malamut maintains substantive involvement with projects as a means of assuring high quality products and balanced professional consultation. As Principal-in-Charge she works closely with Project Managers and clients, and provides input on and monitors the scope, budget, and scheduling of specific projects. Ms. Malamut is ultimately responsible for the quality of all project work, and reviews all in-house prepared text, tables, and graphics before these materials are presented to the client.

PROJECT EXPERIENCE

Ms. Malamut's ability to guide clients through the environmental process and her thoughtful approach to problem-solving has resulted in multiple assignments from long-term clients, such the cities of Berkeley, Livermore, San Jose, Cupertino, Fairfield, and Brisbane, California State University and the East Bay Regional Park District.

At present, she is guiding on-call service agreements between LSA and the City of Milpitas and the Fremont Unified School District. LSA has served as CEQA consultant to the City of Milpitas since 2013. Since 2013, the City has received an unprecedented number of applications for residential construction in the relatively underdeveloped southwest part of the City. To date, Ms. Malamut has directed the preparation of seven CEQA documents for proposed development of over 3,500 residential units. Ms. Malamut is also working with the Fremont Unified School District to secure CEQA clearance for school improvement projects to help the District accommodate a growing enrollment by modernizing, rehabilitating and reconstructing aging facilities.

Major projects for which she is serving as the Principal-in-Charge include the *1900 Fourth Street Mixed Use Project EIR* for the City of Berkeley; the *Stanford Avenue Parking Expansion Project at Mission Peak Preserve EIR* for the East Bay Regional Park District; the *Dixon Ranch Residential Project EIR* for El Dorado County; and the *Bay Trail to Lake Merritt Pedestrian/Bicycle Bridge Design CEQA/NEPA* for the City of Oakland, as a subconsultant to Moffatt & Nichol. She is also the Principal-in-Charge of the *Novato Boulevard Widening Project* for the City of Novato, as well as the *Sherwin-Williams Mixed Use Project EIR* for the City of Emeryville, a proposed development of residential, office, commercial, and park uses.

PROFESSIONAL EXPERIENCE

Principal
LSA Associates, Inc.
Berkeley, CA
1997-present

Associate
Brady and Associates
Berkeley, CA
1995-1997

Associate
The Planning Collaborative
San Francisco, CA
1994-1995

Associate
Sedway Cooke Associates
San Francisco, CA
1990-1994

Planner
WRT, San Francisco, CA
and Philadelphia, PA
1987-1990

AWARDS (SELECTED)

Apple Campus 2 Project EIR,
Environmental Analysis
Document, Merit Award, 2014,
Association of Environmental
Professionals

*Wildfire Hazard Reduction and
Resource Management Plan*,
Award of Merit, Best Practices,
2012, Northern Section
California Chapter of the
American Planning Association

*Wildfire Hazard Reduction and
Resource Management Plan*,
Outstanding Environmental
Resource Document of 2011,
Association of Environmental
Professionals

*Trail Planning for California
Communities*, 2010 Focused
Issue Planning Award, APA
California; Media Award of
2010, Northern Section
California Chapter of the
American Planning Association

PROJECT EXPERIENCE (CONT.)

Other projects of note include:

- *Apple Campus 2 Project EIR* for the City of Cupertino
- *5M Project EIR* for Forest City/San Francisco Planning Department
- *Half Moon Bay High School Track and Field Improvements Project EIR* for Cabrillo Unified School District
- *Children's Hospital & Research Center Oakland Campus Master Plan EIR* for Children's Hospital & Research Center/City of Oakland
- *Albany General Plan Update EIR* for the City of Albany
- *1601 Mariposa Street Mixed Use Project EIR* for Related California
- *Mountain View General Plan Update and Greenhouse Gas Reduction Program EIR* for the City of Mountain View
- *East Bay Parks Wildfire Hazard Reduction and Resource Management Plan* and the *EIR* on the Plan for the East Bay Regional Park District
- *Emeryville Center of Community Life IS/MND* for the Emery Unified School District
- *El Camino Real Precise Plan EIR* for the City of Mountain View, as a subconsultant to Raimi + Associates

PUBLICATIONS

Bondurant, J., Thompson, L., & Malamut, J. Summer 2011 edition. *Creating Trails to Benefit Communities*. AEP The Environmental Monitor

Thompson, L., Bondurant, J., & Malamut, J. 2009. *Trail Planning for California Communities*. Point Arena: Solano Press Books.

PRESENTATIONS AND TEACHING (SELECTED)

Presenter, 2013, AEP San Francisco Bay Chapter, *SB 1241: Fire Hazard Requirements for General Plans and the CEQA Checklist*, Oakland, CA

Moderator and Presenter, 2012, APA State Conference, *How to Be a Better Supervisor While Working Across the Generations*, Rancho Mirage, CA

Moderator and Presenter, 2011, AEP State Conference, *A Primer on Planning, Evaluating and Permitting Trails to Support Non-Vehicle Transportation*, Monterey, CA

Panelist, 2009, AEP CA State Conference, *Project Management: The Other Science, Parts I and II*. San Francisco, CA

Facilitator and Juror, Urban Land Institute, 2007-Present. *Urban Plan Program*. Berkeley High School, Berkeley, CA



EXPERTISE

Environmental Planning and
Impact Analysis

Land Use Planning and
Development

EDUCATION

B.S., City & Regional Planning;
Minor in Real Property
Development,
California Polytechnic State
University,
San Luis Obispo, 2016

PROFESSIONAL AFFILIATIONS

Association of Environmental
Professionals (AEP)

American Planning Association
(APA)

PROFESSIONAL EXPERIENCE

Assistant Planner
LSA Associates, Inc.
July 2016-present

Environmental Intern
County of San Luis Obispo
Planning & Building Dept.
December 2015 – June 2016

Lead Supervisor Facility
Operations
Cal Poly Associated
Students, Inc.
May 2015 – June 2016

PROFESSIONAL RESPONSIBILITIES

Matthew Wiswell is a CEQA specialist with a solid understanding of principles of planning that he applies to environmental analysis. At LSA, Mr. Wiswell provides planning and technical assistance to project managers on a variety of planning and environmental documents for development projects, school facility improvements, and City-sponsored plans and programs.

PROJECT EXPERIENCE

At present, Mr. Wiswell is contributing to the CEQA documentation for 600 Addison Street Project, a master plan encompassing the block bounded by Addison, Bancroft Way, the UPRR tracks and Aquatic Park, current home of American Soil Products in West Berkeley. LSA's contract includes the EIR and associated project planning management. Mr. Wiswell is assisting with the preparation of the Initial Study which will lead to a Focused EIR.

LSA has been providing environmental services to the Fremont Unified School District since mid-2013. The Fremont Unified School District comprises 42 schools and educates 32,000 K-12 students. New facilities and renovations to older campuses are needed to accommodate a growing population. Mr. Wiswell is drafting responses to the CEQA checklist for the Walters and Horner Junior High School Improvements IS/MNDs, and the American High School IS/MND.

PRIOR EXPERIENCE

As an Environmental Intern for the Planning and Building Department of the County of San Luis Obispo, Mr. Wiswell regularly compiled and prepared environmental review documents for pre-application meetings; initial studies; and maps, using ESRI's ArcMap. He conducted research to supplement reference materials, prepared materials for public meetings, and assisted with the processing of technical reports. Other responsibilities included reviewing and updating reference documents, conducting site visits to verify existing conditions, recommendation and implementation of changes to intern procedures, occasional assistance at the planning counter, and preparation of large-scale posters for community meetings.

Mr. Wiswell's coursework at Cal Poly exposed him to the fundamentals of environmental law and the methodology for analyzing air quality and quantifying greenhouse gas emissions. He wrote the Draft Climate Action Plan for Cal Poly, specifically, the agriculture sector and was responsible for checking all greenhouse gas reduction calculations.

TIMOTHY E. LACY

PRINCIPAL
WILDLIFE BIOLOGIST



EXPERTISE

Endangered and
Threatened Species

Wetland and
Terrestrial Ecology

Natural Resource Management

Biological Impact Assessment
and Mitigation

EDUCATION

M.A., Biological Sciences
Humboldt State University
Arcata, California
1991

B.S., Biological Sciences
University of California
Davis, California.
1982

PROFESSIONAL AFFILIATIONS

American Society of
Mammalogists

The Wildlife Society
Past-President
SF Bay Area Chapter, 1997

PROFESSIONAL RESPONSIBILITIES

Mr. Lacy has worked as a biologist for over 29 years. During that time, he has managed numerous multi-year projects that entail a variety of biological resource disciplines (e.g., wildlife, botany, wetlands). He has extensive experience and technical expertise in the areas of endangered and threatened species, wetland and terrestrial ecology, natural resource management, and biological impact assessment and mitigation. Mr. Lacy serves as the biology task manager for numerous EIRs. He is authorized on federal and state permits to handle salt marsh harvest mice, California red-legged frogs, and California tiger salamanders. Mr. Lacy's responsibilities include development of study plans and budgets, report preparation, coordination between agency personnel and clients, supervision of field staff, implementation of survey methods and gathering of field data, analysis of data, and assessment of impacts and development of mitigation measures.

PROJECT EXPERIENCE

San Mateo County Smart Corridors Natural Environment Study, San Mateo County, CA

Project manager for the Smart Corridors NES. Evaluated potential impacts from ITS component installation and developed measures to avoid and mitigate potential impacts. (2008-2009)

Clos De La Tech Winery EIR, San Mateo County, CA

Managed the preparation of the Biological Resources section of the EIR. Conducted a peer review of previously prepared biological resources reports, assessed impacts to sensitive biological resources including wetlands, and developed measures to mitigate impacts. (2010)

Los Gatos General Plan EIR, Los Gatos, Santa Clara County, CA

Reviewer and biology manager for the Biological Resources section of the General Plan EIR. Oversaw the assessment of impacts and development of mitigation measures related to the updated plans and policies of the General Plan. (2009-2010)

Solano County Habitat Conservation Plan, Solano County, CA

Participated in the development and review of the Solano County Habitat Conservation Plan. Worked with the Solano County Water Agency, U.S. Fish and Wildlife Service, and Department of Fish and Game to develop the avoidance and minimization measures and mitigation measures for all covered species in County. He participated in the development of monitoring protocols and data analysis methods for Contra Costa goldfields and California tiger salamanders. Assessed impacts to covered species associated with the HCP. (2009-2010)

TIMOTHY E. LACY

PRINCIPAL
WILDLIFE BIOLOGIST



PROFESSIONAL EXPERIENCE

Principal/Wildlife Biologist LSA Associates, Inc.
Point Richmond, CA
April 1998-present

Wildlife Biologist
Western Ecological Services Company, Inc. (WESCO)/
Resource Management International, Inc. (RMI)
San Rafael, CA
1990-1998

Lecturer
Biological Sciences Humboldt State University Arcata, CA
September 1984-June 1989

CERTIFICATIONS

Section 10(a) Permit For Handling/Trapping/
Sampling Federally-listed California Tiger Salamanders, California Red-Legged Frogs, Salt Marsh Harvest Mice.

State of California Scientific Collector's Permit

PROJECT EXPERIENCE (CONTINUED)

Potrero Hills Landfill Expansion Project, Solano County, CA

Managed the Potrero Hills Landfill Expansion Biological Surveys and Wetland and Endangered Species Permitting. Tasks have included designing and implementing comprehensive surveys for wildlife, plants, and jurisdictional wetlands. Developed mitigation plans for impacts to listed wildlife including California tiger salamanders, vernal pool tadpole shrimp, and Conservancy fairy shrimp. Prepared permit applications and supporting materials and coordinated with agency personnel to complete the Section 7 consultation for the project. He worked with the Bay Conservation and Development Commission (BCDC) to resolve issues related to potential impacts from the project to the Suisun Marsh Secondary Management Zone. (Ongoing, 1998-present)

City of Santa Rosa Incremental Recycled Water Program (IRWP) EIRs, Sonoma County, CA

Served as biology task leader for the Discharge Compliance Program and Seasonal Storage Program EIRs of the IRWP. These projects encompassed large areas of the Santa Rosa Plain and required assessment of project impacts to terrestrial and aquatic plants and animals and sensitive habitats. As task leader, Mr. Lacy was responsible for coordinating the field efforts of the fisheries biologist, botanist, wildlife biologist, and wetland specialist. He assessed impacts to wildlife resources and reviewed and integrated all other disciplines into the final section. (2006-2007)

Ohlone College Newark Center EIR and Mitigation Implementation Newark, Alameda County, CA

Served as biology task manager for the Ohlone College Newark Center EIR section. Subsequently, worked with the College and CDFG to implement biological mitigation measures including passive relocation of burrowing owls, implementation of an owl exclusion and monitoring Program, delineation of jurisdictional areas, and permitting with the Regional Water Quality Control Board. (2003-2005)

Town of Windsor On-call Services, Windsor, Sonoma County, CA

Currently under contract to provide on-call biological services to the Town of Windsor, Sonoma County. Managed and conducted biological resources assessments and peer review of biological assessments for development projects within the Town. Reviewed projects for consistency with the Town's guidelines for biological assessments and the Santa Rosa Plain Conservation Strategy. Developed mitigation measures and recommendations to bring projects into compliance with the Strategy. (2006-present)

Geysers Recharge Pipeline Project, Sonoma County, CA

Served as technical coordinator for the Geysers Recharge project (Sonoma County) during three years of construction. Responsibilities included coordination of field surveys to monitor sensitive biological and wetland resources along the alignment, documentation of monitoring efforts, evaluation of impacts, and development of avoidance measures. Served as liaison between field monitors and technical staff. (1998-2002)



EXPERTISE

Field Biology

Special-Status Species
Surveys and Monitoring

Habitat Assessments

Preparation of Permit
Applications

EDUCATION

BA, Biology Rutgers
College, Rutgers University,
New Brunswick, NJ 1998

PROFESSIONAL ORGANIZATIONS/ PERMITS

California Scientific
Collecting Permittee
#008139

Independent holder of
Section 10(a)(1)(A)
recovery permit TE-
40218B-0 which gives
authorization to
independently conduct
permitted activities for the
San Francisco garter snake,
Alameda whipsnake, CRLF,
and California tiger
salamander (Santa Barbara
County DPS, Central DPS,
and Sonoma County DPS)

PROFESSIONAL RESPONSIBILITIES

Mr. Kunna is a biologist at LSA with a total of over 14 years of field biology experience. Mr. Kunna conducts construction site monitoring and surveys for special-status species, including California tiger salamander, foothill yellow-legged frog, California red-legged frog, Alameda whipsnake, San Francisco garter snake, giant garter snake, western pond turtle, valley elderberry longhorn beetle, fish, rare plants, salt marsh harvest mouse, burrowing owl, clapper rail, and nesting birds. Mr. Kunna also prepares technical documents and permit applications for regulatory agencies including the Army Corps of Engineers, California Department of Fish and Wildlife, Regional Water Quality Control Boards, and the United States Fish and Wildlife Service.

PROJECT EXPERIENCE

SENIOR BIOLOGIST – LSA, POINT RICHMOND, CA

- Trancas Bridge Repair: monitored construction activities in the Napa River for compliance with measures to protect nesting birds, listed salmonids, and other special-status species.
- Napa Vine Trail: Conducted pre-construction surveys for nesting birds and special-status species. Provided environmental awareness trainings to construction workers.
- Highway 99 Stockton: Provided full-time environmental inspection and construction monitoring for the installation of a new bridge over a jurisdictional drainage with giant garter snake habitat.
- The Shops at Austin Creek: Wrote a Biological Assessment for a mixed-use commercial development that will impact jurisdictional waterways.

LEAD BIOLOGIST – INSIGNIA ENVIRONMENTAL, PALO ALTO, CA

- Conducted California red-legged frog (CRLF) visual encounter surveys and habitat assessments.
- Monitored and relocated foothill yellow-legged frogs during bridge replacement project in Alameda Creek.
- Developed application for East Contra Costa County Habitat Conservation Plan for large linear infrastructure project.
- Monitored a concrete tower footing repair project in salt marshes to ensure compliance with permit conditions to prevent impacts to Essential Fish Habitat, salt marsh harvest mouse, and clapper rail.
- Conducted surveys for protected species including valley elderberry longhorn beetle, Western pond turtle, burrowing owl, nesting birds, rare plants and host plants for listed invertebrates.
- Provided full-time construction monitoring on Sherman Island to prevent impacts to giant garter snakes, nesting birds, and fish.

**PROFESSIONAL
EXPERIENCE**

Biologist, LSA Associates,
Inc., Point Richmond, CA.
June 2015 – present

Lead Biologist,
Insignia Environmental,
Palo Alto, CA.
August 2009 – May 2014

Project Manager/
Wildlife Biologist,
Swaim Biological, Inc.,
Livermore, CA.
April 2005 – August 2009

Biological Science Crew
Leader, US Forest Service,
Sierra Nevada Framework
Project, Sonora, CA.
June 2004 – October 2004

Conservation and Research
Biologist, Jamaican Iguana
Conservation and Research
Group, U.W.I., Mona,
Jamaica.
January – April 2002;
January – April 2003;
January – March 2004

Biologist, Johnson Controls,
Inc. Ritidian National
Wildlife Refuge, Guam,
USA
May – August 2003

Seasonal Research
Associate, Colorado State
University and Natural
Heritage Program, Fort
Collins, CO.
May – September 2002;
May 2004

Biological Science
Technician,
USDA National Wildlife
Research Center, Hawaii
Field Station, Hilo, HI.
June – December 2001

**PROJECT MANAGER/WILDLIFE BIOLOGIST – SWAIM BIOLOGICAL,
INC., LIVERMORE, CA**

- Conducted and managed drift fence surveys for Alameda whipsnake.
- Maintained and checked giant garter snake traplines on Bethel Island.
- Conducted visual encounter, egg mass, dipnet, and seine net surveys for CRLF and California tiger salamander.
- Used electrofishing to sample fish populations in San Francisco Public Utilities Commission watersheds.
- Managed research sites by developing the protocols, training seasonal staff, coordinating personnel and vehicles, analyzing data and preparing reports.
- Monitored anadromous fish barrier removal projects in to ensure compliance with permit conditions.
- Managed a study on the effects of fuels management on reptiles and amphibians in Tilden Park, Berkeley, California.

**BIOLOGICAL SCIENCE CREW LEADER – US FOREST SERVICE,
SIERRA NEVADA FRAMEWORK PROJECT, SONORA, CA**

- Supervised collection of habitat data in meadows, streams, and lakes.
- Surveyed for mountain yellow-legged frogs and Yosemite toads in the Sierra Nevada Mountains.
- Documented presence of non-native fish in alpine water features.
- Helped develop and revise research protocols.

TIMOTHY MILLIKEN

BOTANIST/CERTIFIED ARBORIST WE-5539A
BRYOLOGIST/LICHENOLOGIST



EXPERTISE

Moss and Lichen Ecology

Rare Plant/Botanical Surveys
and Taxonomy

Vegetation Ecology, Restoration,
and Management

Biological Impact
Analysis/CEQA

Wetland and Riparian Mitigation
Design, Monitoring, and
Permitting

Arboriculture and Epiphyte
Ecology

EDUCATION

B.A., Botany, Minor in Biology
and Art, Humboldt State
University, 1996

University of California,
Berkeley, California.
UC Berkeley Extension,
(Coursework in Environmental
Management & Engineering,
Landscape Architecture,
Technical Communication)

PROFESSIONAL RESPONSIBILITIES

Mr. Milliken serves both as a botanist and arborist with LSA Associates. He conducts botanical surveys for rare and special-status plant species, noxious weeds, wetland plants, and trees as well as non-vascular plants (lichens and bryophytes). His diverse training botany, arboriculture, wetland delineation, and landscape architecture helps him assist clients through challenging development and restoration projects. His day to day work entails recognizing mitigation opportunities in projects where development may impact sensitive plant communities and native vegetation in land proposed for development.

Mr. Milliken serves as an International Society of Arboriculture (ISA) Certified Arborist (WE-5539A) with LSA. Tim has a thorough understanding of tree biology, and during his 18 years of experience as a Certified Arborist, he has applied this knowledge on a wide variety of projects including tree protection and maintenance plans, tree preservation design, root and canopy pruning recommendations and monitoring. He is familiar with a variety of state, municipal and county tree ordinances, and has conducted tree surveys for arborist reports in counties throughout the state. He is knowledgeable regarding the American National Standard for Tree Care Operations (ANSI 300A), and regulatory requirements of the Public Resource Code (PRC 4292, 4293) and the California Public Utilities Commission (CPUC GO 95, Rule 35) for trees and power lines. Mr. Milliken routinely provides advice and guidance to clients concerning best management practices for tree protection before, during, and after construction. Mr. Milliken retains a Qualified Applicator License (QAL) with the State of California Department of Pesticide Regulation (license # 137256).

PROJECT EXPERIENCE

Albany General Plan EIR for the City of Albany, California

LSA is working with the City's General Plan consultant to prepare the CEQA documentation for the Update. Tim Milliken contributed to the biological resources baseline report that will become part of the setting section of the EIR. He conducted a reconnaissance-level survey, the purpose of which was to map habitat conditions and assess the potential for such habitats to support special-status plant species. Although covering the entire Planning Area on foot was not feasible, representative sites supporting each habitat type were identified prior to fieldwork and visited during the site visits (e.g., University Village for grassland; Albany waterfront for tidal marsh; Cerritos, Middle, Village, and Codornices Creeks for creeks and riparian woodland; and Albany Hill for oak and eucalyptus woodland).

Watson Park Remedial Action Plan and Master Plan IS/MND for the City of San Jose, California

As an integral part of the approval and implementation of a Remedial Action Plan by the Department of Toxic Substances Control, Mr. Milliken analyzed, inventoried and mapped 432 trees within Watson Park, San Jose, California. In addition to the arborist report, the City requested a plan to save a heritage oak tree that would be surrounded by four feet of fill. Mr. Milliken researched root aeration techniques and provided the City with cross sectional renderings that illustrated the tree's finished appearance in the landscape. The arborist report and presentations were part of a large volume of documentation needed to support the environmental analysis.

TIMOTHY MILLIKEN

BOTANIST/CERTIFIED ARBORIST WE-5539A
BRYOLOGIST/LICHENOLOGIST



PROFESSIONAL EXPERIENCE

Botanist/Certified Arborist, LSA Associates, Inc., Point Richmond, CA June 2002–present

Vegetation Management Consultant, ACRT, Inc., Lodi, CA, July 1999–June 2002

Western Environmental, Oakland, CA, May 1998–July 1999

CERTIFICATIONS/SPECIALIZED TRAINING

Certified Arborist, International Society of Arboriculture

Basic Wetlands Delineation (40 hours), Richard Chin Wetland Training

Regional Supplement Training (8 hours), Richard Chin Wetland Training

California Qualified Applicator License

Graduate Studies in Lichen and Bryophyte Ecology, Humboldt State University, Arcata, CA.

PROFESSIONAL AFFILIATIONS

American Bryological and Lichenological Society

California Botanical Society

California Lichen Society

California Native Plant Society

Friends of the Jepson Herbarium

International Society of Arboriculture

PROJECT EXPERIENCE (CONTINUED)

Downtown Family Development Project for the City of Mountain View, California

LSA's arborist report for this project recognized unavoidable impacts to the roots of a large coast live oak tree. Mr. Milliken provided methodologies in the report that addressed treatments used to minimize damage to the tree's roots. Some of the methodologies included root pruning prior to grading, use of retaining walls with discontinuous footings situated to avoid large structural roots, the use of paving sections that require a minimum amount of excavation, root aeration systems, and the use of air and water pervious pavement.

Emerald Views Residential Development Project for the 222 19th Street Development Group

Mr. Milliken conducted a tree survey for a site in Oakland, California. The purpose of the report was to identify and determine the condition of trees protected by City ordinance occurring within the boundary of the project site. A total of 32 protected trees were surveyed. The report was included as an appendix to the EIR that LSA prepared for the proposed project.

Laguna Bridge Tree Survey Report for CH2M HILL/Caltrans

Mr. Milliken prepared a tree survey report as part of the Natural Environment Study (NES) for the Laguna Bridge replacement project in Sonoma County, California. Within the project's Environmental Footprint the location of all trees were identified to species, measured, and mapped with GPS. Trees were categorized based upon the impact type specified in the conceptual plan: permanent impact, temporary impact, or no impact.

Sir Francis Drake Boulevard Rehabilitation Project for Marin County, California

Mr. Milliken provided on site monitoring and certified arborist services necessary to protect coast redwood and other trees from impacts related to road and retaining wall construction in Phase 1 of the project. Assistance was provided in the form of advice and recommendations for branch pruning, root pruning, hand digging around large tree roots, and avoidance of damaging trees with heavy equipment. Mr. Milliken also verified correct installation of protective tree fencing, California red-legged frog exclusion fencing, and made daily checks of the storm water pollution prevention plan elements.

Urban Greening Plan for the City of Berkeley, California

Mr. Milliken assisted in the preparation of a city-wide tree inventory. By walking city streets and visiting every tree encountered, he collected a variety of tree attributes, including species, condition, diameter, height, and geographic location. This data provided information that city crews could use to keep track of the urban forest resource including: tracking hazardous trees, tree maintenance, and new tree locations.



EXPERTISE

CEQA/NEPA

Air Quality Analysis

Greenhouse Gas Emissions
Analysis

Climate Change Analysis

Noise Analysis

Transportation Planning

Health Risk Assessment

EDUCATION

B.S., Environmental
Policy Analysis,
minor in Geography
University of Nevada,
Reno 1998

CERTIFICATIONS

San Joaquin Valley Air Pollution
Control District Regulation VIII
– Dust Control Training
Certified,
May 19, 2015

PROFESSIONAL RESPONSIBILITIES

With 17 years of experience, Amy Fischer serves as a Principal/Project Manager for CEQA documents on a variety of development and infrastructure projects. She focuses on responsive project management, innovative problem-solving, and dedication to client needs. Ms. Fischer is the Managing Principal of LSA's Fresno office, established in 2008.

PROJECT EXPERIENCE

Since 2012, LSA has held an on-call environmental services contract with the City of Porterville. The City is in the midst of a significant number of public and private improvement projects and sought the assistance of LSA to prepare environmental documents and technical studies. Ms. Fischer administers the contract and also serves as Project Manager. To date, LSA has prepared the CEQA documentation, cultural resources and Phase I (ESA) studies for roadway improvements projects. Ms. Fischer has managed the preparation of Mitigated Negative Declarations for the Summit Estates project, a subdivision of 192 units and the Gibbons Avenue Reconstruction project.

Ms. Fischer has also served as Project Manager for the following CEQA documents:

- *Landfill Left Turn Lane IS/MND* for the City of Clovis
- *Madera Irrigation District Annexation Project IS/MND* for the Madera Irrigation District
- *Peralta Crossing Project EIR* for the City of Fremont

As a key member of LSA's environmental technical staff, Ms. Fischer serves as senior air quality, climate change and noise analyst for CEQA/NEPA and planning documents. Ms. Fischer recently prepared the CEQA noise impact analysis and/or the air quality/GHG analysis for the following major projects:

- *Children's Hospital and Research Center Oakland Master Plan Project EIR* for Children's Hospital and Research Center Oakland/City of Oakland
- *Sherwin-Williams Development Project EIR* for the City of Emeryville
- *5M Project EIR* for Forest City/City and County of San Francisco
- *Dixon Ranch EIR* for El Dorado County
- *Novato Boulevard Improvements Project EIR* for the City of Novato Public Works Department
- *Apple Campus 2 EIR* for the City of Cupertino
- *Mountain View General Plan Update and Greenhouse Gas Reduction Program EIR* for the City of Mountain View
- *SFMOMA Expansion and Fire Station Relocation Project EIR* for the City and County of San Francisco
- *Sir Francis Drake Boulevard Improvements Project Environmental Documentation* for Marin County Department of Public Works

PROFESSIONAL EXPERIENCE

Principal
LSA Associates, Inc.
July 2005-present

Transportation Planner
VRPA Technologies
2002-2005

Planning Coordinator
Council of Fresno County
Governments
2000-2002

Air Quality Planner
San Joaquin Valley Air
Pollution Control District
1999-2000

PROFESSIONAL AFFILIATIONS

Association of Environmental
Professionals (AEP) – Director,
Central Valley Chapter, 2016 -
present

AEP - VP of Programs, Central
Valley Chapter, 2011-2015

American Planning Association
(APA)

PRESENTATIONS

GIS Day 2001, Fresno State
University, *GIS in Traffic
Forecast Modeling*
Fresno, California

Association of Environmental
Professionals, 2012, *Health Risk
Assessments in CEQA*
Fresno, California

PROJECT EXPERIENCE (CONTINUED)

Ms. Fischer also prepares quantitative analyses of greenhouse gases (GHG) that evaluate the impacts of project-related GHG emissions and project impacts to global climate change. The reports describe the existing setting and regulatory context, quantify impacts, and recommend mitigation measures, as appropriate.

Using the California Emissions Estimator Model (CalEEMod) (or other local model), Ms. Fischer performs a quantitative assessment of GHG emissions associated with all relevant sources related to the project, including construction activities, new vehicle trips, electricity consumption, water usage, and solid waste generation and disposal. Ms. Fischer conducted the GHG analysis for the *Aetna Springs Resort* for Criswell Radovan, LLC, Napa County; the *Stone Fire Mixed-Use Project* for the City of Berkeley; and the *North San Pedro Apartments Project Initial Study/Addendum* for the City of San Jose.

Projects that Ms. Fischer has been involved with include commercial development, residential subdivisions, road improvements and program-level plans. She has managed and prepared technical reports for the following projects:

- *Retrofit Soundwall Study/Noise Study Report* for the Fresno Council of Governments
- *California High Speed Rail Project, Bakersfield to Palmdale Segment EIR/EIS and Environmental Technical Documentation* for the California High Speed Rail Authority as a subconsultant to T.Y. Lin International
- *Madrone Pipeline Restoration Project Technical Assistance* for Santa Clara Valley Water District
- *Noise Reduction Screening Program* for the Santa Clara Valley Transportation Authority
- *enXco Kern Valley Solar Project Technical Studies (Air Quality)* for enXco Development Group
- *Dorris Eaton School Health Risk Assessment, San Ramon*, for Kava Massih Architects
- *Kirker Pass Road Truck Lanes Project Air Quality/Greenhouse Gas Emissions Analysis* for Contra Costa County Department of Public Works
- *Air Quality Impact Analysis for Parcel P Residential Project, San Francisco*, for Avalon Bay Communities
- *South Fremont/Warm Springs Health Risk Assessment* for the City of Fremont

Her experience includes permitting with the air pollution control districts throughout California, and other regulatory agencies. She assists developers within the San Joaquin Valley to prepare and file applications required by the District's Indirect Source Review (ISR), Rule 9510, which went into effect in March 2006. She is also certified to prepare Dust Control Plans in compliance with the District's Regulation VIII.

ATTACHMENT B

Standard Contract Provisions and Billing Rates

SCHEDULE OF STANDARD CONTRACT PROVISIONS AND BILLING RATES

FEES FOR PROFESSIONAL SERVICES

Fixed-Fee Contracts

If a fixed-fee proposal, the professional services described in the Scope of Services Section of the attached proposal shall be provided for the fixed fee noted in the proposal. All other professional services are considered extra services. Extra services shall be provided on a time and expenses basis at the same rates specified for hourly contracts, unless other arrangements are made in advance.

Hourly Contracts

If an hourly plus expenses proposal, the professional services described in the Scope of Services Section of the attached proposal shall be provided on a time and materials basis at current hourly rates. These rates are as shown on a Rate Schedule that is attached, or can be made available. Hourly rates are subject to review at least annually on or about June 1 of each year, and may be adjusted to reflect changing labor costs, at our discretion, at that time. (A schedule can be made available upon request.)

Direct costs (including cost of subconsultants) shall be reimbursed at cost plus ten percent, unless other arrangements are made in advance, and are not included in the hourly fee for professional services.

The total estimated amount of time and expenses noted in the proposal will serve as a control on the services to be provided. The specified amount will not be exceeded without prior approval of the client.

INVOICING

Monthly invoices shall be submitted for progress payment based on work completed to date. Clients requesting changes to LSA's standard invoice may be billed for the time to develop the invoice and monthly administration of the billing.

PAYMENT OF ACCOUNTS

Terms are net 30 days. A service charge of 1.5 percent of the invoice amount (18 percent annual rate) may be applied to all accounts not paid within 30 days of invoice date. Any attorney's fees or other costs incurred in collecting any delinquent amount shall be paid by the client.

STANDARD OF CARE

Services provided by LSA under this Agreement will be performed in a manner consistent with the degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances.

INDEMNIFICATION

Client and consultant each agree to indemnify and hold the other harmless and their respective officers, employees, agents, and representatives from and against liability for all claims, losses, damages, and expenses, including reasonable attorneys' fees, to the extent such claims, losses, damages, and expenses are caused by the indemnifying party's negligent acts, errors, or omissions.

ELECTRONIC FILE DATA CHANGES

Copies of documents that may be relied upon by client are limited to the printed copies (also known as hard copies) that are signed or sealed by LSA. Files in electronic media format or text, data, graphic, or other types that are furnished by LSA to client are only for convenience of client. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. When transferring documents in electronic media format, LSA makes no representations as to long-term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those of LSA at the beginning of the assignment.

FORCE MAJEURE

Neither party shall be deemed in default of this Agreement to the extent that any delay in performance of its obligation results from any cause beyond its reasonable control and without its negligence.

LITIGATION

In the event that either party brings action under the proposal for the breach or enforcement thereof, the prevailing party in such action shall be entitled to its reasonable attorneys' fees and costs whether or not such action is prosecuted to judgment.

NOTICES

Any notice or demand desired or required to be given hereunder shall be in writing, and shall be deemed given when personally delivered or deposited in the mail, postage prepaid, sent certified or registered, and addressed to the parties as set forth in the proposal or to such other address as either party shall have previously designated by such notice. Any notice so delivered personally shall be deemed to be received on the date of delivery, and any notice mailed shall be deemed to be received five (5) days after the date on which it was mailed.

TERMINATION OF CONTRACT

Client may terminate this agreement with seven days prior notice to LSA for convenience or cause. Consultant may terminate this Agreement for convenience or cause with seven days prior written notice to client. Failure of client to make payments when due shall be cause for suspension of services, or ultimately termination of the contract, unless and until LSA has been paid in full all amounts due for services, expenses, and other related charges.

If this Schedule of Standard Contract Provisions is attached to a proposal, said proposal shall be considered revoked if acceptance is not received within 90 days of the date thereof, unless otherwise specified in the proposal.



HOURLY BILLING RATES

Effective June 2016

Job Classification							Hourly Rate Range ^{1,2}
Planning	Environmental	Transportation	Air/Noise	Cultural Resources	Biology	GIS	
Principal	Principal	Principal	Principal	Principal	Principal	Principal	\$170-325
Associate	Associate	Associate	Associate	Associate	Associate	Associate	\$85-230
Senior Planner	Senior Environmental Planner	Senior Transportation Planner/Engineer	Senior Air Quality/Noise Specialist	Senior Cultural Resources Manager	Senior Biologist/Botanist/Wildlife Biologist/Ecologist/Soil Scientist/Herpetologist/Arborist	Senior GIS Specialist	\$90-195
Planner	Environmental Planner	Transportation Planner/Engineer	Air Quality/Noise Specialist	Cultural Resources Manager	Biologist/Botanist/Wildlife Biologist/Ecologist/Soil Scientist/Herpetologist/Arborist	GIS Specialist	\$70-150
Assistant Planner	Assistant Environmental Planner	Assistant Transportation Planner/Engineer	Air Quality/Noise Analyst	Cultural Resources Analyst	Assistant Biologist/Botanist/Wildlife Biologist/Ecologist/Soil Scientist/Herpetologist/Arborist	Assistant GIS Specialist	\$65-110
Field Services							
Senior Field Crew/Field Crew							\$65-90
Office Services							
Research Assistant/Technician							\$45-60
Graphics							\$105-125
Office Assistant							\$55-100
Word Processing/Technical Editing							\$75-110

¹ The hourly rate for work involving actual expenses in court, giving depositions or similar expert testimony, will be billed at \$400 per hour regardless of job classifications.

² Hourly rates are subject to review at least annually, on or about June 1 of each year, and may be adjusted to reflect changing labor costs at LSA's discretion at that time.

IN-HOUSE DIRECT EXPENSES
Effective June 2016

Expense	Unit Cost
Reproduction	
8.5 x 11 B/W	\$.07 per page
8.5 x 11 Color	\$.40 per page
11 x 17 B/W	\$.10 per page
11 x 17 Color	\$.75 per page
CD Production	\$5.00 per CD
USB Flash Drive	\$5.00 per drive
Plotting	\$3.75 per sf
Mileage (IRS approved 1/1/16)	
On Road	\$.54 per mile
Off-Road	\$.69 per mile
GPS Unit	\$75.00 per day
Total Station Surveying Instrument	\$50.00 per day
Level (Laser or Optical)	\$25.00 per day
Laser Rangefinder	\$25.00 per day
Sound Meter	\$75.00 per day
Sound Meter with Velocity Transducer	\$85.00 per day
Aerial Photo	Cost
Boat Rental	\$125.00/day
Water Quality Meter	\$25.00/day