E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(COMPLETE ONE SECTION E FOR EACH KEY PERSON.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Patti Sexton, PE, CFM	**Hydraulic Engineer**	**32**	**25**

15. FIRM NAME AND LOCATION *(City And State)*

Tetra Tech Inc. – Irvine, CA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
MS Water Resource and Environmental Engineering, George Washington University, 1995 BS Civil Engineering, Virginia Tech, 1991	Professional Engineer/Civil: CA (58643); LA (37416) Certified Floodplain Manager (CFM)

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, Etc.)*

Ms. Sexton leads Tetra Tech's levee work nationwide with a focus on levee certification and FEMA processing. She has performed inspections of more than 50 miles of levees using inspection tools and guidance developed by USACE since 2009. She has designed new levees and levee improvements for numerous systems, including ongoing work along the Santa Ana River near Prado Dam. Her experience includes hydraulic analyses and design for numerous watersheds in Southern California. She is highly experienced with all hydraulic models for analyzing both natural and improved channels, including HEC-RAS, HEC-2, WSP2, TR-55, StormCAD, HEC-1, TR-20, PEAKFQ, and SAS.

19. RELEVANT PROJECTS

a

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Periodic Inspections and Screenings, Orange, San Diego, and Santa Barbara Counties, CA	**2019**	**N/A**

(3) DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Scope: Performed levee inspections on 6 systems and risk screenings for 14 systems. The inspection process included physical inspection of the levees (including embankments, floodwalls, interior drainage systems, and pump stations) using the LIS tablet and software, preparation of the Period Inspection Report (including ratings for all features), and outbriefs with the Levee Safety Officer. Screenings were completed using the USACE risk assessment tool and presented to local USACE management, the National Cadre, and Headquarters. The screening information was used to develop the Levee Safety Action Classification rating. **Cost:** N/A **Fee:** $734k **Role:** Hydraulic Engineer and Project Manager

b

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Gowanus Canal and Newtown Creek Alternative Study, New York, NY	**2016**	**N/A**

(3) DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Scope: Developed the levee and floodwall alignment alternatives (conceptual design and costing) to tie into the proposed surge barriers and the economic analysis to support the benefit-cost ratio as part of the New York Rising Plan funded through the Governor's Office of Storm Recovery. **Cost:** N/A **Fee:** $192k **Role:** Hydraulic Engineer

c

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Potomac Park Flood Protection, Washington, DC	**2016**	**2016**

(3) DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Scope: Provided analysis and design of improvements, including a removable post-and-panel system, floodwalls, and earthen levees. Completed an interior drainage analysis that assessed a variety of pump stations and gravity drains. Performed a joint probability analysis to determine the 1% annual chance of flooding of the interior. Prepared the Levee Safety Evaluation Report that included a risk and uncertainty analysis and assessment of sea level rise impacts. **Cost:** $9.4M **Fee:** $552k **Role:** Hydraulic Engineer

d

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
East Garden Grove-Wintersburg Flood Risk Management System Analysis, Garden Grove, CA	**2018**	**2022**

(3) DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE ☒ Check if project performed with current firm

Scope: Directed the development of hydraulic models to evaluate alternatives to support the local sponsor for this USACE watershed study. Reviewed the hydraulic models and developed alternative design alignments. The results were presented as maps and videos showing the progression of flooding and were used to inform upper management and the public on the flood impacts. Under a subsequent task order for USACE, Tetra Tech evaluated and optimized bridge crossing on the channels throughout the East Garden Grove Flood Risk Management System. **Cost:** $83M **Fee:** $2.4M **Role:** Hydraulic Engineer