



Office of the City Manager

CONSENT CALENDAR

June 4, 2024

To: Honorable Mayor and Members of the City Council

From: Dee Williams-Ridley, City Manager

Submitted by: David Sprague, Fire Chief

Subject: Contract No. 32300165 Amendment: KLD Associates: Evacuation and Emergency Response Analysis

RECOMMENDATION

Adopt a Resolution authorizing the City Manager to amend to Contract No. 32300165 with KLD Engineering, P.C. for evacuation and response time modeling to reassign to KLD Associates through June 30, 2026, and to provide an option to extend for an additional five (5) years and add \$200,000, making initial term plus extension NTE \$600,000 through June 30, 2031.

FISCAL IMPACTS OF RECOMMENDATION

This resolution authorizes an additional \$200,000 in expenditures beyond what the Council approved on March 14, 2023 in Resolution 70,712-N.S. All funds required to pay for this contract are in the Department's baseline operating budget. Funding sources may include but are not limited to: Measure FF, UC Settlement, and the General Fund.

CURRENT SITUATION AND ITS EFFECTS

The City is partway through work with a contractor to perform a novel evacuation and response time analysis. During the course of the contract work, five key changes occurred:

1. The original contract was executed in March 2023 with KLD Engineering, P.C. In July 2023, KLD Engineering, P.C. reached a strategic agreement to transfer its evacuation and emergency planning business line to KLD Associates. As part of this transfer, the professional staff working on the project with the City also transferred to KLD Associates;
2. Staff from the Planning & Development Department identified a need to use this contract to assess impacts to evacuation and response times from other projects that would increase infill development;
3. Draft reports to help meet State evacuation planning requirements required additional analysis beyond what was originally envisioned;

4. Staff determined that ongoing as-needed analysis would be required beyond the contract's original extended expiration date; and
5. The County of Santa Barbara is not extending its contract (on which the City of Berkeley piggybacked) with KLD Engineering, P.E.

BACKGROUND

On May 18, 2023, the City executed a contract with KLD Engineering, P.E. for traffic evacuation and evacuation modeling services. This contract piggybacked on a County of Santa Barbara contract which expires on June 30, 2024.

This work is required by the State of California within SB 99, AB 747, and AB 1409. The City also requires related professional services in the areas of traffic and evacuation modeling and planning to help the community make informed decisions about the impacts of future transportation projects on evacuations, responder ingress during evacuations, and daily responder response times to emergencies of various types.

This contract is designed to achieve three objectives: (1) to analyze the City's primary evacuation routes to understand their capacity, safety, and viability under emergency scenarios; (2) to provide an analysis of any public safety impacts resulting from projected development of new accessory dwelling units (ADUs), junior accessory dwelling units (JADUs), and their associated extra vehicles in the Very High Fire Hazard Severity Zone (VHFHSZ); and (3) to analyze the impact of some recently completed, planned, and proposed (as needed) roadway projects have on evacuation capacity, responder ingress during evacuation, and to daily emergency apparatus response times.

Thus far, KLD Engineering, P.E. staff has been working with City staff to create the underlying architecture necessary for these analyses: they have conducted a road survey, created a link-node analysis network, completed a demographic survey, gathered and analyzed data for evacuation scenarios, and conducted analysis to assist with compliance with State evacuation laws (SB 99, AB 747, and AB1409).

The team at KLD Associates has significant experience in evacuation and response time modeling and since 2023 has been providing the City with evacuation services.

ENVIRONMENTAL SUSTAINABILITY AND CLIMATE IMPACTS

There are no identified environmental sustainability or climate related impacts to this work.

RATIONALE FOR RECOMMENDATION

Staff from KLD Associates has performed this work for the first year of the contract with KLD Engineering, P.E. This team has already developed a detailed traffic model that will underly any evacuation time studies. This team has collected and begun analysis on voluminous data from response apparatus. This team has deep familiarity with the Berkeley community, key sites, hazards, and other data that will inform evacuation and

response times. Due to this and the specific experience with the City of Berkeley listed above, competing for this service is not amenable.

ALTERNATIVE ACTIONS CONSIDERED

Competing for the service was considered, however, the specific experience with the City outweighs market competition for this contract period.

CONTACT PERSON

David Sprague, Fire Chief, (510) 981-3473

Attachments:

1: Resolution

RESOLUTION NO. ##,###-N.S.

CONTRACT NO. 32300165AMENDMENT: KLD ENGINEERING, P.C. FOR
EVACUATION AND RESPONSE ANALYSIS

WHEREAS, on May 18, 2023, the City executed Contract No. 32300165 with KLD Engineering, P.E. for traffic evacuation and evacuation modeling services; and

WHEREAS, this contract piggybacked on a County of Santa Barbara contract which expires on June 30, 2024; and

WHEREAS, the County of Santa Barbara is not extending its contract (on which the City of Berkeley piggybacked) with KLD Engineering, P.E.; and

WHEREAS, this work is required by the State of California within SB 99, AB 747, and AB 1409; and

WHEREAS, in July 2023, KLD Engineering, P.C. reached a strategic agreement to transfer its evacuation and emergency planning business line to KLD Associates; and

WHEREAS, Staff from KLD Associates has already developed a detailed traffic model that will underly any evacuation time studies, has collected and begun analysis on voluminous data from response apparatus, and has developed deep familiarity with the Berkeley community, key sites, hazards, and other data that will inform evacuation and response times; and

WHEREAS, due to this and the specific experience with the City of Berkeley listed above, competing for this service is not amenable performed this work for the first year of the contract with KLD Engineering, P.E.; and

WHEREAS, staff determined that ongoing as-needed analysis would be required beyond the contract's original extended expiration date.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the City Manager is authorized to amend to Contract No. 32300165 with KLD Engineering, P.C. for evacuation and response time modeling to reassign to KLD Associates through June 30, 2026, and to provide an option to extend for an additional five (5) years and add \$200,000, making initial term plus extension NTE \$600,000 through June 30, 2031.