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ADOPTED

BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

January 06, 2026

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

22 January 6, 2026

EDWARD YEN
EXECUTIVE OFFICER

**REQUEST FOR APPROVAL TO EXECUTE A SOLE SOURCE AMENDMENT TO ONE
AGREEMENT WITH THE UNITED STATES GEOLOGICAL SURVEY 3D ELEVATION PROGRAM
FOR ACQUISITION OF QUALITY LEVEL 1 AIRBORNE LIDAR FOR THE LOS ANGELES
REGION IMAGERY ACQUISITION CONSORTIUM**

(ALL DISTRICTS - 3 VOTES)

SUBJECT

Request approval to execute a sole source amendment to a Joint Funding Agreement (JFA) with the United States Geological Survey (USGS) Three-Dimensional Elevation Program (3DEP) to increase the agreement sum by \$132,552.67 to collect non-standard high resolution Light Detection and Ranging (LiDAR) digital terrain data and products for the Los Angeles Region Imagery Acquisition Consortium (LAR-IAC).

IT IS RECOMMENDED THAT THE BOARD:

1. Authorize the Director of Internal Services Department (ISD), or their designee, to execute a sole source amendment to its JFA to increase funding in the amount of \$132,552.67 for a new agreement total cost of \$1,842,629.27 for the remainder of the JFA term.
2. Authorize the Director of ISD, or their designee, to upon review and approval as to form by County Counsel and with prior Board notice, (i) execute future amendments to the JFA to which affect the contract sum or payment structure, (ii) extend the JFA in accordance with the agreement terms or extensions offered, and (iii) enter into future agreements with government agencies to provide Geographic Information System (GIS) services contingent upon the availability of sufficient funding.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The USGS National Geospatial Program leads national efforts in geospatial coordination, data production, and service delivery. Through the 3DEP, the USGS addresses the growing demand for high-quality topographic and 3-dimensional (3D) data used in decision-making related to public safety, environmental management, and infrastructure planning. 3DEP was developed based on the National Enhanced Elevation Assessment (NEEA), which identified over 600 requirements from federal, State, local, tribal, nonprofit, and private sector stakeholders. Data collection under 3DEP is a collaborative effort, funded jointly by participating agencies and managed through USGS Geospatial Products and Services Contracts (GPSC). The program supports the National Spatial Data Infrastructure (NSDI) and is delivered as a unified portfolio of geospatial services.

Locally, LAR-IAC Program, managed by ISD through the County's Enterprise GIS (eGIS) Program, complements 3DEP by acquiring high-resolution aerial imagery and terrain data. Since 2003, LAR-IAC has pooled resources from the 38 County departments, 40+ cities, and other public entities to reduce costs and enhance data access. This data supports a wide range of County operations, including property assessment, flood control, fire terrain assessments, planning, public safety, and land use decision-making. The JFA was approved by the Board on May 16, 2023, and it allows the County to leverage cost savings for acquisition of high-resolution LiDAR digital terrain data under the USGS 3DEP Program and their GPSC for the LAR-IAC, using joint funding from other program participants to fund the data acquisition.

Approval of recommendation number one will allow ISD to increase the JFA to meet the immediate need of developing new datasets including tree segmentation (mapping of all individual trees), canopy structure (cover percent, density, height and vertical distribution models), topographic information (contour, slope, aspect, position, and openness) hydrologic information, 3D information for key infrastructure (buildings, poles, transmission towers, bridge decks) and vegetation (grasses, shrubs and trees) datasets. The data provided under the JFA amendment will ensure up-to-date and highly accurate data in support of County and LAR-IAC consortium member business including fire/emergency assessments/response, critical infrastructure, property assessments, mapping of tree canopy and tree health, including estimation of water use to support landscape irrigation among other uses.

Approval of recommendation number two will allow ISD to add additional services and datasets and/or extend the JFA as needed. This recommendation will also enable ISD to efficiently enter into agreements with other government agencies for GIS services, facilitating data sharing, collaboration, and access to specialized resources. This will reduce costs, and enhance the delivery of County projects and services, and streamline contracting efforts which will allow ISD (and the County) to quickly enter into similar agreements without returning to the Board, saving time and administrative resources.

Implementation of Strategic Plan Goals

The recommended agreement supports the County's Strategic Plan, North Star 2 (Foster Vibrant and Resilient Communities), Focus Area Goal A, Public Health, by addressing risks and conditions in our County environment and North Star 3 (Realize Tomorrow's Government Today), Focus Area Goal E, Data-Driven Decision Making, by collecting and utilizing data to continually assess and

strengthen our efficiency and effectiveness, maximize and leverage resources, ensure fiscal responsibility, and hold ourselves accountable. Facilitate Data Sharing within and across the County departments and other municipalities to ensure policy and operational recommendations are well informed.

FISCAL IMPACT/FINANCING

The total requested increase is \$132,552.67 for a new total agreement amount of \$1,842,629.67 for the remainder of the JFA term. The increase in the amount of \$132,552.67 will be offset through billings to LAR-IAC participants.

Sufficient appropriation for the recommended agreement is included in ISD's Fiscal Year 2025-26 Adopted Budget, with additional appropriation to be requested in future years, if necessary. No additional net County cost is required.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

The recommended JFA and this amendment has been reviewed approved as to form by County Counsel. In compliance with Board Policy 6.020 "Chief Information Office Board Letter Approval", the Office of the Chief Information Officer reviewed and approved the information technology components of the JFA and subsequently the Board approved the JFA by and between the County and the USGS on May 16, 2023.

These recommended actions do not include any new IT items that would necessitate a formal written CIO Analysis.

The recommended JFA includes suitable terms and conditions to protect the County, including a 60-day termination for convenience provision. In the event of an early termination, any unspent advanced funds will be returned to the County. The USGS will provide a copy of the outcomes completed as of the effective date in the event of an early termination of the JFA.

CONTRACTING PROCESS

Board Policy No. 5.100 requires advance written notice of a department's intent to enter into sole source negotiations and justification to the Board at least six months prior to the expiration of the contract, for amendments to existing contracts, when departments do not have delegated authority to execute such amendments. Therefore, ISD's July 16, 2025 notice was timely and required as ISD does not have the authority to increase the JFA funding and services.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

Approval of the recommended contract will allow ISD to expand its data collection efforts to collect new datasets including tree segmentation, canopy density, contours provided from the California State Plane Coordinate System, and various building and vegetation datasets for both the County

and LAR-IAC consortium which will be used for fire/emergency assessments/response, property assessments, mapping of tree canopy and tree health.

CONCLUSION

Upon approval by the Board, it is requested that the Executive Officer, Board of Supervisors, return one stamped copy of the approved Board Letter to ISD.

Respectfully submitted,



MICHAEL OWH
Director

MO:QH:LG:CC:nv

c: Executive Office, Board of Supervisors
Chief Executive Office
County Counsel