

RESOLUTION NUMBER R- 315678

DATE OF FINAL PASSAGE JUL 22 2024

A RESOLUTION OF THE COUNCIL OF THE CITY OF SAN DIEGO AUTHORIZING EXECUTION OF A CONTRACT WITH ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE, INC. (ESRI), FOR ENTERPRISE GEOGRAPHICAL INFORMATION SYSTEM (GIS) SOFTWARE, SUBSCRIPTIONS, AND SERVICES.

WHEREAS, since 2004, the City of San Diego has relied upon Environmental Systems Research Institute, Inc.'s (Esri) Geographic Information Technology (GIS) as a core suite of solutions enabling most spatial analyses and mapping functionality within the City. Esri is the global market leader in GIS technology offering a growing variety of software solutions; and

WHEREAS, GIS is a critical tool, leveraged across all operational departments, supporting a diverse array of business processes and strategic design; and

WHEREAS, the Esri GIS platform is a core technology that is heavily integrated with City applications and workflows; and

WHEREAS, Esri's GIS solutions support departmental clients and enterprise production and development environments, while Esri professional services are leveraged to support Citywide efforts such as GIS integration with SAP, Accela, Get It Done, and the San Diego Police Department and San Diego Fire Department emergency response dispatch and routing; and

WHEREAS, in recent years, as the City's technological infrastructure has evolved and workers have come to rely upon mobile technologies to streamline and automate older, paper processes in the field, the City's use of GIS has grown; and

WHEREAS, Esri technology is used within the City to generate, edit, and analyze spatial data including infrastructure design and distribution, land use, environmental impacts, asset management, demographic planning, public safety strategies, code enforcement, permit issuance, addressing, optimized vehicle routing, mapping, modeling, mobile field support, and risk assessment and response; and

WHEREAS, systems compatibility and consistent data governance across the City are imperative to the provision of rapid and accurate Citywide services. Regional interoperability relies on Esri products and services to exchange data between local, state and federal agencies. Applicable City GIS data is provided to vendors, partners, and the public via the City and County-managed Joint Powers Authority (JPA) SanGIS to coordinate projects and support community communication and educational efforts; and

WHEREAS, the technology is used for analytics supporting the redistricting of Council Boundaries, valuation of assets and services supporting provision of services to communities, field mapping and work management of service repairs and maintenance, identification, standardization and prioritization of underrepresented communities, support services for the unsheltered, monitoring and reporting to compliance agencies such as the EPA and Regional Water Quality Control Boards, and modeling of Measure B impacts regarding changes to the People's Ordinance; and

WHEREAS, during the term of the most recent agreement, the Department of IT (DoIT) conducted an internal assessment of the City's GIS roadmap, engaging with stakeholders to capture current needs and identify future requirements; and

WHEREAS, among other emergent needs are updates required to comply with revised Federal NG911 addressing standards, a new emergency response and planning a common operating picture ensuring security and public health at large events, geo-enabling the new Enterprise Resource Planning (ERP) work manager solution, and automating several Capital Improvement Project (CIP) workflows; and

WHEREAS, DoIT also re-evaluated its portfolio of on-premise versus cloud-based GIS services to determine how best to optimize and provide resiliency to meet the future GIS needs. A significant increase in the utilization of the Esri GIS is required; and

WHEREAS, as a result of this internal assessment, and in compliance with federal Next Generation 9-1-1 addressing standards, the Department of IT is working with the City's Development Services department to leverage the Esri platform to replace the legacy Official Addressing Tool (OAT) to automate the provision of City addresses to the County Tax Assessor; and

WHEREAS, this process will replace a manual update workflow and ensure that both Police and Fire response teams are using accurate dynamic spatial data in their respective Computer-Aided Dispatch (CAD) 9-1-1 systems. In support of the Emergency Operations Center and Incident Management Team activations, the Department of IT Enterprise GIS Team relies upon Esri products to provide accurate, actionable intelligence to inform effective local, regional, and federal response teams; and

WHEREAS, Special Events also introduced a successful mapping mobile application built upon Esri technology in support of the December Nights celebration at Balboa Park in 2023. The tool, which successfully promoted transit, parking, entertainment, and safety functionality, will be updated and leveraged again in 2024; and

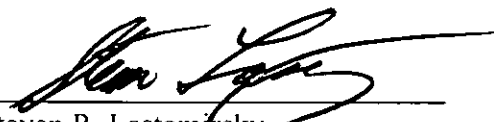
WHEREAS, the Planning Department is now using both the Esri Community Analyst and Esri Urban Systems solutions to develop community plans, and the Stormwater Department now uses Esri dashboards for end-of-year compliance submissions to the Regional Water Quality Control Board. Esri tools and spatial data are critical to the City's CIP conflict detection and moratorium workflows- the recently launched public-facing DotMaps interface and Esri tools have been adopted to optimize the City's permit issuance process; and

WHEREAS, the Office of the City Attorney has drafted this resolution based on the information provided by City staff, including information provided by affected third parties and verified by City staff, with the understanding that this information is complete, true, and accurate; NOW, THEREFORE,

BE IT RESOLVED, by the City Council of the City of San Diego, that the Mayor or his designee is authorized to execute, for and on behalf of the City, an Agreement between the City of San Diego and Environmental Systems Research Institute, Inc. (Esri) for software licensing and support services in an amount not to exceed \$8,280,000 over a term of three (3) years, pursuant to the terms and conditions contained in the Agreement on file with the Office of the City Clerk as Document No. RR- **315678**

BE IT FURTHER RESOLVED, that the Chief Financial Officer is authorized to expend an amount not to exceed \$8,280,000 over the full term of the Agreement with Environmental Systems Research Institute, Inc. (Esri), contingent upon the adoption of the Annual Appropriation Ordinance for the applicable fiscal year and contingent upon the Chief Financial Officer first furnishing one or more certificates certifying that funds necessary for expenditure are, or will be on deposit with the City Treasury.

APPROVED: MARA W. ELLIOTT, City Attorney

By 
Steven R. Lastomirsky
Deputy City Attorney

SRL:jvg
June 4, 2024
Or.Dept: Department of Information Technology
CC No. N/A
Doc. No. 3671592

I certify that the foregoing Resolution was passed by the Council of the City of San Diego, at this meeting of JUL 16 2024

DIANA J.S. FUENTES
City Clerk

By 
Deputy City Clerk

Approved: 7/17/24
(date)


TODD GLORIA, Mayor

Vetoed: _____
(date)

TODD GLORIA, Mayor

Passed by the Council of The City of San Diego on JUL 16 2024, by the following vote:

Councilmembers	Yeas	Nays	Not Present	Recused
Joe LaCava	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jennifer Campbell	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Stephen Whitburn	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Henry L. Foster III	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Marni von Wilpert	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kent Lee	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Raul A. Campillo	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vivian Moreno	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sean Elo-Rivera	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Date of final passage JUL 22 2024.

(Please note: When a resolution is approved by the Mayor, the date of final passage is the date the approved resolution was returned to the Office of the City Clerk.)

AUTHENTICATED BY:

TODD GLORIA
Mayor of The City of San Diego, California.

(Seal)

DIANA J.S. FUENTES
City Clerk of The City of San Diego, California.

By Cennie Patterson, Deputy

Office of the City Clerk, San Diego, California
Resolution Number R- **315678**