



**COUNTY OF SAN MATEO**  
Inter-Departmental Correspondence  
Parks



**Date:** May 25, 2016  
**Board Meeting Date:** June 28, 2016  
**Special Notice / Hearing:** None  
**Vote Required:** Majority

**To:** Honorable Board of Supervisors

**From:** Marlene Finley, Parks Director

**Subject:** **Measure A:** Amendment to the agreement with the Student Conservation Association for a Geographic Information System Program

**RECOMMENDATION:**

**Measure A:** Adopt a resolution authorizing the County Parks Director to amend the agreement with the Student Conservation Association for the Geographic Information System Program, increasing the amount by \$130,000, to an amount not to exceed \$260,000, and extending the term to June 30, 2017.

**BACKGROUND:**

On July 21, 2015, the Board approved Resolution No. 073935, an Agreement with the Student Conservation Association (SCA) for \$130,000. The Agreement included the Geographic Information System (GIS) Program for a yearlong Senior GIS Internship, a Summer GIS Intern, and two summer GIS Resource Inventory Crews.

Under the existing FY 2015-16 agreement with SCA for GIS Program work, the Senior GIS Intern created work plans, trained and oversaw two GIS Crews, and prepared maps, presentations and trainings for County Parks' Natural Resource Management unit as well as for other park planning projects. Key projects included a fuel reduction prioritization analysis, San Bruno Mountain trail analysis, natural resource reference maps and databases. The GIS Crew Members were trained to use the iPad ARC-GIS Collector App and inventory protocols. Last summer, the GIS crews inventoried 14 trailheads, 200 trail signs, 870 drainage points, 71 intersections, 300 trail maintenance needs, and 13 vegetation restoration sites, hiking a total of 55 miles in five separate parks. The Crews also made a presentation to the Parks and Recreation Commission.

**DISCUSSION:**

This proposed amendment is for an additional \$130,000 for a second full year of funding for the GIS Program. For FY 2016-17, two complementary SCA GIS Program elements will be implemented using **Measure A** grant funds and additional underwriting from SCA donors.

1) Senior GIS Intern (July 2016 – June 2017)

The Senior GIS Intern works within the Parks’ Natural Resource Management unit and is the primary GIS representative for the Department. The Intern is responsible for collecting, cleaning and organizing all GIS files for Parks, and maintaining and updating the Parks’ Geodatabase, keeping it organized and ensuring the appropriate files are added to it. The Intern works closely with the County's GIS team and GIS contractors, who maintain a larger, countywide GIS program and Geodatabase.

The GIS Intern also coordinates with SCA staff to engage local summer and school year community crews in various GIS-based projects for Parks including, but not limited to, trail and trail condition mapping, invasive species monitoring, and facilities monitoring and mapping.

2) Two Summer Resource Inventory GIS Crews (July to August 2016)

Twelve youth in two five-week Resource Inventory GIS crews will conduct park resource assessments and inventories in the southern half of San Mateo County, covering parks in Districts II (Huddart, Wunderlich, and Edgewood) and District III (Pescadero, Memorial and Sam McDonald). The crews will conduct inventories using i-Pads and the ARCVIEW GIS Collector App. Projects identified for the crews include trail and trail condition mapping, invasive species monitoring and mapping, and facilities monitoring and mapping.

County Counsel has reviewed and approved the resolution and amendment as to form.

Approval of this resolution will contribute to the Shared Vision 2025 outcome of an Environmentally Conscious Community as GIS SCA youth crews will collect GIS data for San Mateo County Parks for a Geodatabase, which will become an important tool for Parks to use in park planning for conservation and protection of natural resources.

**PERFORMANCE MEASURE(S):**

<b>Measure</b>	<b>FY 2015-16 Actual</b>	<b>FY 2016-17 Projected</b>
Number of County Parks with all facilities surveyed and mapped	N/A	2

**FISCAL IMPACT:**

The Amendment has a not-to-exceed amount of \$260,000, which will be used for GIS Programs. Funding comes from the Parks **Measure A** Grant List previously approved by the Board. There is no impact to the General Fund.