



# CITY OF SANTA BARBARA

## COUNCIL AGENDA REPORT

**AGENDA DATE:** December 13, 2022

**TO:** Mayor and Councilmembers

**FROM:** Administration Division, Airport Department

**SUBJECT:** Santa Barbara Airport Master Drainage Plan Update [Resolution; Agreement]

**RECOMMENDATION:** That Council:

- A. Authorize the Airport to execute a City Professional Services Agreement with Mead and Hunt Inc. in the amount of \$312,361, for planning services to update the 2001 Santa Barbara Airport Master Drainage Plan and authorize the Airport Director to amend the Agreement and approve expenditures of up to \$31,236 for extra services that may result from necessary changes in the scope of work for a total of \$343,597; and
- B. Adopt, by reading of title only, a Resolution of the Council of the City of Santa Barbara Amending Resolution No. 22-059, Adopting the Budget for Fiscal Year 2023, to appropriate funds for professional services contract for Santa Barbara Airport Master Drainage Plan.

### **DISCUSSION:**

After a competitive selection process, the Santa Barbara Airport (SBA) entered into negotiations with Mead and Hunt on the scope of work for the Airport Master Plan update (MPU) in February 2022. A separate task in the MPU Request for Qualifications was an update to the 2001 Santa Barbara Airport Master Drainage Plan (Original Drainage Plan). The complexity and the need to sequence the Drainage Plan Update with pending Sea-Level Rise analysis and modeling made its timeline exceed the Master Plan timeline. Thus, staff decided to pursue a separate contract for the Drainage Plan Update with Mead and Hunt, in order to effectively move forward with the Master Plan Update

### Background

The vast majority of Airport property is within the 100-year floodplain. The area is very flat, and flooding has occurred several times in the past resulting in the closure of the Airport in 1995, 1998, and 2018. The Goleta Slough and areas along San Pedro, Carneros, Las Vegas, and Tecolotito Creeks are within the Regulatory Floodway, where there are severe restrictions on development. Conveyance of floodwater is challenging

because the airfield is several hundred acres, at the bottom of the watershed, and is also dominated by impervious surfaces.

The existing storm drainage system is comprised of surface swales, drainage inlets, concrete pipes, catch basins, manholes, headwalls, drainpipes, pipe outlets, and outfall structures. Storm drains discharge directly to Tecolotito, Carneros, and San Pedro creeks, and to the tidal channels in Goleta Slough. Ponding occurs in various locations throughout the airport, which is controlled by the tide and the creeks' water levels at the storm drainage outlets. The existing system drains ponded water from the site after the creeks' water levels have receded. Mapping and cataloging the conditions of these systems has not comprehensively occurred since 2001.

### Project Description

The scope for the Drainage Plan Update will create a comprehensive plan to guide stormwater management associated with future development and buildout of the airport properties, within the Project Area boundary (Attachment A), to address surface stormwater drainage including collection, conveyance, quantity, and quality design objectives and environmental protections in support of regional stormwater management goals and strategies. The Drainage Plan Update shall address existing and future development features as identified in the current 5- year Capital Improvement Program and as prepared under the concurrent Master Plan Update for the 5-year to 20-year planning horizon currently under development.

The work of the Drainage Plan Update includes drainage system inventory, hydrologic and hydraulic analysis, conceptual designs to guide the future construction (storm drainage systems, drainage structures, drainage channel grading, erosion control measures, flood control and detention basins), and project cost estimates for future drainage improvements aligned with the Master Plan Capital Plan. The schedule for the Drainage Plan Update is approximately 18 months after the notice is given to proceed.

Lastly, SBA has multiple planning and design projects that will be occurring at the same time as the Drainage Plan Update. For purposes of consistency and efficiency, Mead and Hunt will coordinate with other consultants employed by SBA on other projects that will affect the development of the Drainage Plan Update. These are expected to include the following projects and project teams:

- Master Plan Update – Led by Mead & Hunt. This project will finish at the end of 2023
- Terminal Expansion and Parking Structure Design – Led by Corgan. This project will be ongoing during the Drainage Plan Update.
- General Aviation Redevelopment – Led by Jacobs. This project will finish in the summer of 2023.
- Sea Level Rise Adaptation Plan – Led by ESA. This project will be ongoing during the entire Drainage Plan.

**BUDGET/FINANCIAL INFORMATION:**

Staff requests that Council approve appropriations in the Airport Operating Fund in the amount of \$343,597, funded from available reserve funds in the Airport Operating Fund, authorize a transfer of such funds to the Airport Capital Fund, and approve an increase in revenue and expenditure appropriations in the Airport Capital Fund in the amount of \$343,597. Staff plans to submit a FAA Grant Reimbursement request for this project.

**SUSTAINABILITY IMPACT:**

The Drainage Plan will correlate with updated forthcoming sea-level rise data and will assist in addressing known and foreseeable environmental challenges that may complicate projects, which will facilitate sustainable project implementation.

**ENVIRONMENTAL REVIEW:**

Any new projects identified in the Drainage Plan including construction impacts, such as grading and noise, drainage, and operational impacts of individual projects must be addressed at a project-specific level at the time that an individual project is proposed. Any projects that are selected for development as part of the Drainage Plan Update will be subject to the National Environmental Policy Act, the California Environmental Quality Act, and the California Coastal Act.

**ATTACHMENT:** Project Area Boundary

**PREPARED BY:** Jessica Metzger, AICP, Project Planner  
Sara Iza, AICP, Principal Project Manager

**SUBMITTED BY:** Chris Hastert, CM, Airport Director

**APPROVED BY:** City Administrator's Office