



# City of San Antonio

## Agenda Memorandum

**File Number:**  
**{{item.tracking\_number}}**

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**Agenda Item Number:** 1

**Agenda Date:** February 26, 2025

**In Control:** Conservation Advisory Board Meeting

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**DEPARTMENT:** Parks & Recreation Department

**DEPARTMENT HEAD:** Homer Garcia III

**COUNCIL DISTRICTS IMPACTED:** Citywide

**SUBJECT:**

A briefing and update on University of Texas and San Antonio's Proposition 1-funded water quality project.

**SUMMARY:**

San Antonio River Authority and UTSA will provide a briefing and update on UTSA's Proposition 1-funded water quality project.

**BACKGROUND INFORMATION:**

The 2015 Proposition 1 program was approved for \$100 million to support the Edwards Aquifer Protection Program; \$90 million was allocated for acquisition of land and conservation easements over the Edwards Aquifer Recharge and Contributing Zones to protect recharge quality and quantity and \$10 million was dedicated to fund Edwards Aquifer protection projects within urbanized areas of Bexar County's recharge and contributing zones with a focus of improving Edwards Aquifer water quality.

In 2019, City Council approved a \$1,035,761 funding agreement with University of Texas at San Antonio (UTSA) through the Proposition 1 program permitting UTSA to:

1) Construct a permeable pavement parking lot composed of four independent cells, each cell with eight parking stalls utilizing one of the four best management practices (BMPs) below, for a total of 32 parking stalls:

- Permeable Asphalt Concrete
- Plastic Grid Pavers
- Permeable Portland Concrete
- Permeable Interlocking Concrete Pavers

2) Conduct pre-, post-, and during construction stormwater analyses

3) Perform quarterly routine maintenance of the four BMPs during the final year of the Project

4) Conduct an economic analysis of the costs and benefits of the four BMPs compared to the adjacent 32 conventional parking stalls built by the City of San Antonio during this Project

5) Prepare design guidelines for the four BMPs for potential amendment to the San Antonio River Basin LID Design Guidance Manual

6) Develop an educational module demonstrating permeable pave benefits to be incorporated into the UTSA Water Resources CE 4603 and Advanced Pavement Analysis CE 5423 courses.

UTSA has successfully completed their funded project and will be sharing the outcomes and recommendations of their final project report with the Conservation Advisory Board.

**ISSUE:**

UTSA will present the final project report summary for their Proposition 1-funded water quality project to the Conservation Advisory Board.

**FISCAL IMPACT:**

There is no fiscal impact associated with this item.

**ALTERNATIVES:**

None.

**RECOMMENDATION:**

This is a briefing item only.