



701 East Broadway, Columbia, Missouri 65201

Department Source: City Manager

To: City Council

From: City Manager & Staff

Council Meeting Date: January 5, 2026

Re: Authorize Aviation Project Consultant Agreement with Burns & McDonnell Engineering Company related to the design of the Glycol Recovery System project.

Impacted Ward: Airport

Executive Summary

Staff is requesting that Council authorize the City Manager to execute an Aviation Project Consultant Agreement with Burns and McDonnell Engineering Company related to the design of a Glycol Recovery System project at Columbia Regional Airport.

Discussion

The FAA has approved 90% funding for the design and construction of a Glycol Recovery System at Columbia Regional Airport. Currently, excess deicing fluid (glycol) applied to aircrafts during inclement winter weather, flows into the Airport's stormwater system. Burns and McDonnell Engineering Company will provide design services to include the following:

Deicing Pad: The recommended development option identified in the Master Planning process was approximately 70,500 SF of deicing pad pavement including approximately 63,000 SF of new pavement and utilization of approximately 7,500 SF of existing pavement.

An alternative included demolition of a portion of existing taxiway pavement, trench drains, underdrains, taxiway edge lighting, and pavement markings. The further evaluation of the recommended development option and the evaluation of an alternative deicing pad at the south end of the apron is included in the scope.

Glycol Disposal Study: An analysis of the impacts to dispose of the glycol to a Wastewater Treatment Plant as stated in the COU Master Plan.

Glycol Collection Storage Tank System: Design of underground piping from the deicing pad trench drains to underground storage tanks south of the existing apron and procurement of appropriately sized glycol collection storage tanks.

Tanker Truck Turnaround: Design of the landside deicing service tanker truck turnaround pavement off the existing apron access road adjacent to Gate 11 outside of the Airport Operations Area.

Fiscal Impact

Short-Term Impact: The cost of design phase services is \$414,650. The FAA will reimburse the city 90% of this amount, and 10% local match will be funded by Transportation Sales Tax.



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Long-Term Impact: Enter the cost of proposed legislation to the city for years **beyond two**.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts: Primary Impact: Reliable and Sustainable Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:

Primary Impact: Environmental Management, Secondary Impact: Land Use & Growth Management, Tertiary Impact: Inter-Governmental Cooperation

Legislative History

Date	Action
	None

Suggested Council Action

Authorize the City Manager to execute an Aviation Project Consultant Agreement with Burns & McDonnell Engineering Company related to the design of a Glycol Recovery System project at Columbia Regional Airport.