

ORDINANCE/RESOLUTION REQUEST

All Fields must be completed

Incomplete request forms will be returned to sender which may cause a delay in processing.

Date of Request: 6/7/2021

Please mark one: Bill Request or Resolution Request

1. Type of Request:

- Contract/Grant Agreement Intergovernmental Agreement (IGA) Rezoning/Text Amendment
 Dedication/Vacation Appropriation/Supplemental DRMC Change
 Other:

2. **Title:** Amends a contract with Roadway Consulting Services University Corporation for Atmospheric Research (UCAR).

3. **Requesting Agency:** Department of Aviation

4. Contact Person:

Contact person with knowledge of proposed ordinance/resolution	Contact person to present item at Mayor-Council and Council
Name: Mike Carlson	Name: Rachel Marion
Email: mike.carlson@flydenver.com	Email: Rachel.marion@flydenver.com

5. General description or background of proposed request.

The purpose of this 2nd Amendment is to continue using the University Corporation for Atmospheric Research's (UCAR) Maintenance Decision Support System (MDSS) product at Denver International Airport (DEN). The MDSS product helps DEN make sound tactical decisions during snow events. Extending the contract will enable DEN to continue mitigating the challenges the airport encounters during future snow seasons.

6. **City Attorney assigned to this request (if applicable):** John Redmond

7. **City Council District:** District 11

8. ****For all contracts, fill out and submit accompanying Key Contract Terms worksheet****

Key Contract Terms

Type of Contract: Expenditure

To be completed by Mayor's Legislative Team:

Resolution/Bill Number: RR21 0682

Date Entered: _____

Vendor/Contractor Name: University Corporation for Atmospheric Research (UCAR)

Contract control number: 202157610

Location: Denver International Airport

Is this a new contract? Yes No **Is this an Amendment?** Yes No **If yes, how many?** 2

Contract Term/Duration (for amended contracts, include existing term dates and amended dates): Start date: 1/1/2016, previous end date: 12/31/2021, new end date: 12/31/2024

Contract Amount (indicate existing amount, amended amount and new contract total):

<i>Current Contract Amount</i> (A)	<i>Additional Funds</i> (B)	<i>Total Contract Amount</i> (A+B)
\$601,730	\$419,719.00	\$1,021,449

<i>Current Contract Term</i>	<i>Added Time</i>	<i>New Ending Date</i>
1-1-2016 – 12-31-2021	3 years	12-31-2024

Scope of work:

UCAR provides consulting services to DEN which include weather forecasting and pavement condition treatment recommendations for runways, taxiways, ramp areas and roadways at DEN and the use of the Maintenance Decision Support System (MDSS). UCAR will also perform pre-agreed upon Weather forecasting Research and Development (R&D) specifically for DEN.

Maintenance of the MDSS and mobile display

- Funding to address any issues with hardware, OS upgrades, RAL server issues

Add map layer to MDSS mobile display

- Add a simple, color-coded map of the runways / DEN airport area with highest alert levels shown as well as retain the ability to view other layers that currently exist in the display
- Speed up display / web-server interaction

Setup custom Weather Research and Forecasting (WRF) for Colorado and incorporate into MDSS

- Will be a 9km outer domain (over western U.S.) with a 3km inner domain over Colorado

Setup Friction Prediction System for DEN

- Utilize real-time or near real-time friction measurement data from DEN to tune the forecasts specific to the DEN airport
- Set up custom Runway Friction Prediction System with all DEN friction measurements and observations
- Will more closely predict when snow or ice begins to accumulate on runways based on friction prediction once the friction forecast falls below a certain range

Add European Center for Medium-range Weather Forecasting (ECMWF) model to MDSS

- By adding to MDSS would improve the 24-72-hour forecast, better precipitation and snowfall forecasts especially for more than 2 days out

Improve Runway Wind Forecast: Add Runway Crosswind Potential Index

Was this contractor selected by competitive process? No

If not, why not? Non-competitive Amendment: This procurement qualifies for the continuity of service exception under Memorandum No. 8B and will not be competitively procured.

UCAR has been partnering with DEN since 2008 and provides weather information specific to DEN and surface predictions. They are the only provider of the MDSS product. Their MDSS product has met our needs over the past ten plus years and continues to provide value to DEN. Therefore, it is recommended to continue the contract going forward. This is the second amendment to a professional preference contract that provides the MDSS product.

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DEN Legal has reviewed this request for a non-competitive amendment and has determined it meets the requirements for an exception under Memorandum No. 8B.

Has this contractor provided these services to the City before? Yes No

Source of funds: O&M

Is this contract subject to: W/MBE DBE SBE XO101 ACDBE N/A

WBE/MBE/DBE commitments (construction, design, Airport concession contracts): N/A

Who are the subcontractors to this contract? N/A

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