

Recommendation re: Lakeland Linder International Airport - Agreement with Hughes Aerospace Corporation for Development and Implementation of new Instrument Flight Procedures for Noise Abatement

In March of 2021, Lakeland Linder International Airport (LAL), under the guidance of the Federal Aviation Administration (FAA), began developing a RVFP Feasibility Study to explore a new approach procedure to Runway 28 that would mitigate noise concerns within the community. Under FAA Order 8260.3E, *United States Standard for Terminal Instrument Procedures (TERPS)*, LAL began to develop a RNAV Visual Flight Procedure (RVFP) that would take arriving transport category aircraft over the Polk Parkway. With the assistance of subject matter experts, consultant ABCx2, the Airport developed and submitted the RVFP Feasibility Study to the FAA on August 6, 2021.

Subsequently, the Airport met with FAA officials on October 5, 2021 to review the RVFP Feasibility Study at which time they indicated the RVFP procedure would only be implemented as a "last resort". The FAA further advised the Airport that our best option was to develop a Performance Based Navigation Procedure. According to the FAA it would take them three (3) to five (5) years to develop the new procedure in house. Since the Airport is actively trying to mitigate noise concerns sooner, the FAA recommended the Airport enter into an agreement with one of their approved vendors identified on their published Non-FAA Service Provider Contacts List. The Airport selected Hughes Aerospace Corporation which focuses on the development of approach and departure procedures within the National Airspace System (NAS).

This highly specialized project requires the assistance of subject matter experts and specific equipment to deliver an FAA approved approach within twelve (12) months. The Airport is seeking approval to enter into an agreement with Hughes Aerospace Corporation to develop a new CFR 14 Part 97 Public RNAV (RNP) and/or (GPS) Instrument Flight Procedure for noise abatement to Runway 28 in addition to noise abatement departure procedures for Runway 10.

The overall Agreement is valued at \$201,150. The Agreement is segregated into three (3) milestones with payments due in accordance with predefined deliverables with 40% or \$80,460 due upon contract execution. The next payment of 30% or \$60,345 would be due after completion of the second milestone and the third payment of 30% or \$60,345 would be due upon completion and acceptance by the Airport of all contract deliverables. Either party can cancel the contract at any time during the contract period with 15 days prior written notice.

It is recommended that the City Commission authorize appropriate City Officials to enter into the Agreement with Hughes Aerospace Corporation for a total amount of \$201,150. This funding is included in the Airport's FY 2022 operational budget and no additional appropriations are required to accommodate this request.