

**LOUISVILLE REGIONAL AIRPORT AUTHORITY
SPECIAL BOARD MEETING
APRIL 21, 2021**

A special meeting of the Board of the Louisville Regional Airport Authority was held on April 21, 2021. Chairman Dale Boden convened the meeting at 3:05 p.m. via Zoom video conferencing software.

Board members present on the videoconference were: Mr. Cleo Battle, Mr. Dale Boden, Ms. Toni Clem, Mr. Mitchel Denham, Ms. Mary Rose Evans, Mayor Greg Fischer, Mr. Pat MacDonald, Mr. John A. Moore, Ms. Lesa Seibert, and Mr. Jim Welch. Not in attendance: Ms. Nikki R. Lanier. Mr. Tom Halbleib attended as counsel to the Board.

Staff Members present on the video conference were: Ms. Brenda Allen, Ms. Pat Apone, Mr. Josh Ball, Ms. Natalie Chaudoin, Ms. Dodie Caulk, Mr. Dwight Clayton, Mr. Bill DeGraw, Mr. Anthony Gilmer, Ms. Noel Jolly, Mr. Dan Mann, Mr. Brian Sinnwell, Ms. Megan Thoben, Mr. Adam Thomas, and Mr. Darrell Watson.

Also present on the video conference were: Ms. Sarah Barker, Mr. Cody Crawford, Mr. Tony Derricks, Ms. Kailey Eldredge, Ms. Rebecca Fleischaker; Ms. Wendy Harrower, Mr. John Kraft; Marty, Mr. Dave Mayer, Mr. Joe Mudd, Mr. Zach Neds, Rick, Mr. Robert Rush, Mr. Dennis Scheid, Mr. Kevin Sigg, Ms. Julie Taylor, Mr. Justin Tillery. and Ms. Melissa Vasher.

CONSIDERATION OF MINUTES

The minutes of the special Board meeting held March 17, 2021 were reviewed and, upon motion duly made and seconded, unanimously approved.

STAFF REPORTS

Mr. Mann advised the Board the Authority is hiring and presented to the Board the advertising for the job openings, which the Authority is running on local television stations.

FINANCE REPORT

Ms. Pat Apone presented the finance report. Operating revenues are 1% above the budget by a total of \$457,156 for the fiscal year to date. Cargo activity for the month of March was almost 25% higher than March 2020. Enplanement numbers for March were 38,000 higher than February and were about 22% higher than March 2020. Ms. Apone expects the launch of Spirit service on May 27th to increase enplanements and revenue. Year-to-date operating expenses are under budget by 4.6% or \$1,094,708, which includes snow removal expenses. There is a total of \$27,807 in past due accounts. Finance staff continue preparation of the Fiscal Year 2022 budget for presentation to the Board for adoption in June.

CONSTRUCTION REPORT

Mr. Brian Sinnwell gave the construction report. At Louisville Muhammad Ali International Airport, there are three pavement rehabilitation projects scheduled for this year. Work will begin after Derby.

A project to design a taxiway connecting the proposed northwest development area is complete and ready for bid later this year for construction next Spring. This taxiway will serve the northwest area of the airfield. The Authority is coordinating with UPS to finalize utilities and permitting to determine when the project will be bid.

A project to install a geothermal heating and cooling system which will significantly reduce criteria pollutants, such as ozone, carbon monoxide and particulate matter associated with the combustion of natural gas is in the planning and design phase. Reducing natural gas combusted for heating, and electricity for cooling, the geothermal system will reduce the greenhouse gas (GHG) emission associated with the SDF terminal. It is expected that the natural gas combustion will be reduced from approximately 10.7 million cubic feet per year to approximately 1.6 million cubic feet per year. The wellfield will consist of approximately 648 wells, each with an expected depth of 500 feet. A concrete apron will be constructed on top of the wellfield to provide additional aircraft parking. Costs for the well and apron is approximately \$15 million.

The application process for supplemental funding through the FAA's Voluntary Airport Low Emissions (VALE) program is underway. Funding is limited through the FAA's program, but the Authority will submit a grant application for about \$9 million of grant funding. The cost effectiveness is well above the recommended range published in the FAA's VALE guidance. Project bidding is expected near the end of April 2021.

At Bowman Field, the Bowman Field Preservation Program outlines short-term (5-year) and long-term (10-year) improvements for key areas of Bowman Field, including the airfield, surrounding airspace, landside and Authority owned facilities. The program also provides long-term land use and development information in consideration of FAA planning documents for the airfield and the Louisville Metro Government's Bowman Area Neighborhoods Plan. The document focuses on the preservation and long-term viability of Bowman Field as an important piece of the Authority's aviation network and Kentucky's aviation history. The recommendations in the report will assist the Authority in prioritizing continuing preservation activities at Bowman Field. Review of the draft report is underway.

The Authority has asked C&S Companies to provide a proposal to complete an Airport Sustainability Management Plan for the Board's consideration. The plan will recognize the importance of the airport's sustainability on the community and establish a mission and vision which will build upon the Authority's sustainability accomplishments to date and will focus future initiatives.

EARTH DAY REPORT

Mr. Darrell Watson provided an overview of the Authority's Earth Day social media campaign on Facebook and Twitter. The Authority highlighted the following efforts via social media:

- Tree planting – since 2019, the Authority has planted 1,150 trees.

- LED lights – in 2020, the Authority upgraded 780 bulbs to energy-efficient LED lights on taxiways, terminal ramps, and terminal roadways, and in parking lots and the parking garage. In prior years, the Authority has replaced thousands of lights with LED lights on taxiways, runways and other areas.
- Concrete recycling – last year the Authority recycled 4, 695 cubic yards of concrete on-site saving 940 dump truck trips.
- Terminal geo-thermal project – the Authority plans to install 648 geo-thermal wells which create an 85% reduction in natural gas combustion and save around \$400,000 in utility costs each year.
- Water bottle filling stations — through the Authority’s partnership with Louisville Water Company, the bottle filling stations in the terminal have saved 500,000 plastic bottles from landfills.

While not part of the Earth Day social media campaign, Mr. Watson highlighted the sustainability efforts of some of our airline partners. United Ground Express uses 100% electric vehicles for their ground support and 30 to 40% of American Airlines’ ground support vehicles are electric.

Mr. Watson advised the Board that Louisville Muhammad Ali International Airport has partnered with The Good Traveler program managed by Jet-Set Offset. The voluntary program allows travelers to purchase carbon offsets to reduce the impact of their air travel, and the offsets then fund projects to reduce greenhouse gases and support the communities in which partner airports are located. The Authority plans to work with The Good Traveler Program to have the geo-thermal well-field approved as a project this program can fund.

CONSENT ITEMS

1. 2021-B Airfield Pavement Rehabilitation — Louisville Muhammad Ali International Airport— Contract Award

This project consists of ongoing efforts to maintain the integrity of airfield pavements at the Louisville Muhammad Ali International Airport. The scope of this project involves the removal and replacement of 17” thick concrete pavement slabs on the east side of the airfield in Runway 17L-35R and in Taxiways “D” and “E”. The project also involves removal and re-installation of in-pavement lights on the east airfield. The project was separated into a base bid for most of the work but includes the following alternates: Alternate 1 addresses on-site disposal of PCC Pavement; Alternate 2 addresses FAA lighting alternates for ALSF-2 in-pavement approach light fixture replacement; Alternate 3 addresses threshold bar in-pavement light fixture replacement; Alternate 4 addresses adjustments to grade of existing in-pavement lights. The project was advertised in *The Courier-Journal* and the *Louisville Defender*, was posted on the Authority’s website, and was provided to the Tri-State Minority Supplier Development Council. Four bids were received and the lowest, responsive bidder was The Harper Company of Hebron, KY with a unit price base bid of \$2,003,136.43; Alternate 1 bid as a credit of \$9,320.35; Alternate 2 bid as \$79,714.71; Alternate 3 bid as \$119,211.21; and Alternate 4 bid as \$60,644.91 for a total bid of \$2,253,386.91. Authority staff and our consultant have reviewed the bid documents submitted by The Harper Company, have verified the bid to be responsive, and are recommending the contract award. It is anticipated that 90% of the costs associated with this effort will be funded by an FAA

grant.

Mr. Mann recommended the Board award the contract for the 2021-B Airfield Pavement Rehabilitation including Alternates 1, 2, 3, and 4 to The Harper Company of Hebron, KY at the unit prices set forth in the bid for a total contract amount of \$2,253,386.91; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

2. 2021-C Airfield Pavement Rehabilitation — Louisville Muhammad Ali International Airport— Contract Award

This project consists of ongoing efforts to maintain the integrity of airfield pavements. The scope of this project involves the removal and replacement of concrete pavement slabs and related in-pavement lights on the west and central side of the Louisville Muhammad Ali International Airport. These slabs are located in Runways 11-29 and 17R-35L and in Taxiways "B", "C" and "M". The project includes an Alternate 1 for on-site disposal of PCC pavement. The project was advertised in *The Courier-Journal* and the *Louisville Defender*, was posted on the Authority's website, and was provided to the Tri-State Minority Supplier Development Council. Two bids were received and the lowest, responsive bidder was E&B Paving of Clarksville, IN with a unit price base bid of \$2,056,766.00 and an Alternate 1 in the form of a credit of \$7,975.00 for a total project bid of \$2,048,791.00. Authority staff and our consultant have reviewed the bid documents submitted by E&B Paving, have verified the bid to be responsive and are recommending the contract award. It is anticipated that 90% of the costs associated with this effort will be funded by an FAA grant.

Mr. Mann recommended the Board award the contract for the 2021-C Airfield Pavement Rehabilitation including Alternate 1 to E&B Paving of Clarksville, IN in accordance with the unit prices set forth in the bid for a total contract amount of \$2,048,791.00; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

3. Terminal Drive Landscaping Bid Package One — Louisville Muhammad Ali International Airport — Contract Award

This project encompasses the selective demolition and construction of new landscaping along Terminal Drive and the surrounding soft and hardscaped spaces as part of the Base Bid. Three bid alternates were included for bidding as follows: Bid Alternate 1 includes lower priority landscaping west of the terminal near the old rental car/QTA entrance and along the east side of the parking garage. Bid Alternate 2 includes landscaping in the vicinity of the Premium Parking Lot entrance and exit on the east side of the terminal. Bid Alternate 3 includes landscaping along the west side airport entrance off Crittenden Drive at Martha Moloney Drive and at Airfreight Drive. The project was advertised in *The Courier-Journal* and the *Louisville Defender*, was posted on the Authority's website, and was provided to the Tri-State Minority Supplier Development Council. Three bids were received and the lowest, responsive bidder was Wehr Constructors, Inc.

of Louisville, KY. The bid amounts from Wehr Constructors, Inc. were \$1,342,700 for the Base Bid; \$351,591 for Bid Alternate 1; \$298,673 for Bid Alternate 2; and \$273,607 for Bid Alternate 3. Giving full consideration of the overall impact of the base bid and alternates along with their respective costs and current budgeting, staff recommends awarding the Base Bid and Bid Alternates 2 and 3 for a total cost of \$1,914,980. Authority staff and our consultant have reviewed the bid documents submitted by Wehr Constructors, Inc., have verified the bid to be responsive and are recommending the contract award.

Mr. Mann recommended the Board award the Base Bid contract and Bid Alternates 2 and 3 for the Terminal Drive Landscaping Bid Package One to Wehr Constructors, Inc. at the lump sum contract price of \$1,914,980; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

4. Parking Garage Repairs— Louisville Muhammad Ali International Airport — Contract Award

This project consists of the selective demolition and repair of the existing concrete face of the Louisville Muhammad Ali International Airport parking garage. This work encompasses all exterior vertical faces of the existing structure and two spalling locations under the Upper Terminal Drive. The project was advertised in *The Courier-Journal* and the *Louisville Defender*, was posted on the Authority's website and was provided to the Tri-State Minority Supplier Development Council. Four bids were received and the lowest, responsive bidder was Messer Construction Co. of Louisville, KY with a lump sum bid of \$368,000. Authority staff and our consultant have reviewed the bid documents submitted by Messer Construction Co., have verified the bid to be responsive and are recommending the contract award.

Mr. Mann recommended the Board award the contract for the Parking Garage Repairs, Bid Package Two to Messer Construction Co. at the lump sum bid of \$368,000; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

5. HNTB — Task Order No. 20 — Louisville Muhammad Ali International Airport — Approval

On January 16, 2019, the Board approved the award of a Supplemental Airfield Consultant Services contract with HNTB for a three-year period with an option for an additional two-year term. Under the terms of the contract, Task Order No. 20 requires Board approval. Task Order No. 20 authorizes HNTB to provide construction inspection services and project management for the 2021-A Airfield Pavement Rehabilitation project on the west side of the airfield at Louisville Muhammad Ali International Airport. Task Order No. 20 will be a time and material not-to-exceed contract in the amount of \$142,298. This project will be funded through a future FAA grant.

Mr. Mann recommended the Board approve Task Order No. 20 to the contract with HNTB in the

time and material not-to-exceed amount of \$142,298; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

6. C&S Engineers, Inc. — Contract Amendment No. 1 — Louisville Muhammad Ali International Airport — Approval

On March 21, 2018, the Authority awarded the "Sound Insulation Program Consultant" contract for Louisville Muhammad Ali International Airport to C&S Engineers, Inc. for a three-year period with the option for an additional two-year term. This project consists of architectural, engineering, construction management and project management services for the sound insulation program at Louisville Muhammad Ali International Airport. The project is an approved measure in the Part 150 Update for Louisville Muhammad Ali International Airport. Airport staff recommends the contract with C&S Engineers, Inc. be renewed for the additional two-year term.

Mr. Mann recommended that the Board approve Contract Amendment No. 1 for "Sound Insulation Program Consultant" to C&S Engineers, Inc; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

7. C&S Engineers, Inc. — Task Order No. 4 — Louisville Muhammad Ali International Airport — Approval

In March 2018, the Board approved the award of a master contract with C&S Engineers as the Authority's Sound Insulation Program consultant for a three-year period with the option for an additional two-year term. The contract requires Board approval for each Task Order. Task Order No. 4 authorizes C&S to provide program services related to the sound insulation of 150 additional homes within the DNL 65 contour on the 2021 Noise Exposure Map. Services for this Task Order include community outreach, acoustical testing for 150 families, inventory and design services, as well as a noise analysis of activities and operations related to the development of a maintenance hangar. The not-to-exceed amount of Task Order No. 4 is \$1,057,022 in accordance with the hourly rates provided by C&S Engineers, Inc.

Mr. Mann recommended the Board approve Task Order No. 4 to the contract with C&S Engineers Inc. in the amount of \$1,057,022 bringing their total contract amount to \$4,647,592; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

8. C&S Engineers, Inc. — Task Order No. 5 — Louisville Muhammad Ali International Airport — Approval

Recognizing the importance of sustainability upon the community as a whole and the airport's role in contributing to appropriate practices that should be recognized and/or implemented, the

Authority is asking the C&S Companies to expand their current services to include preparation of a Sustainability Management Plan (SMP). The SMP will build upon the Authority's sustainability accomplishments to date and establish a vision for progress moving forward. Highlights of the plan include:

- Refine Approach and Conduct Initial Stakeholder Engagement
- Develop Sustainability Policy, Vision, and/or Mission Statement
- Define Focus Areas
- Develop Baseline Inventory and Prepare Highlights Report
- Establish Measurable Goals and Decision-Making Framework
- Identify Sustainability Initiatives
- Develop Documentation and Recommended Next Steps

Airport staff recommends approval of Task Order No. 5 to authorize the C&S Companies to develop a Sustainability Management Plan for the Louisville Muhammad Ali International Airport for a lump sum of \$100,000.

Mr. Mann recommended that the Board approve Task Order No. 5 to the contract with C&S Engineers Inc. in the amount of \$100,000; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

9. Foth — Task Orders No. 24 and 25 — Louisville Muhammad Ali International Airport and Bowman Field — Approval

On November 20, 2019, the Board approved the award of a Planning, Engineering & Architectural Professional Services contract with Foth for a three-year period with an option for an additional two-year term. Under the terms of the contract, the following Task Orders require Board approval:

Task Order 24 authorizes Foth to provide design and bidding services for pavement reconstruction of Runway 6-24 at Bowman Field. Task Order 24 will be performed on a time and material basis in the not-to-exceed amount of \$522,305. It is anticipated that these efforts will be partially funded by the Kentucky Department of Aviation (KDA) with the proposed construction being funded by both KDA and LRAA funds.

Task Order 25 authorizes Foth to provide construction administration services and construction observation services for the proposed SDF Deicer and Fuel Storage Project at Louisville Muhammad Ali International Airport. Task Order 25 will be performed on a time and material basis in the not-to-exceed amount of \$131,314.

Mr. Mann recommended the Board approve Task Orders No. 24 and 25 to the contract with Foth on a time and material basis in the not-to-exceed amounts of \$522,305 and \$131,314 respectively for a total contract increase of \$653,619; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

10. Hanson Professional Services, Inc. — Task Order No. 16 — Bowman Field — Approval

In an ongoing effort to maintain and protect the runway approaches of the four existing runway ends at Bowman Field, the Authority has asked Hanson Professional Services, Inc. to lead the effort to acquire additional Avigation Easements. Avigation easements will allow the Authority to trim or remove obstructive trees on residential properties in a future mitigation/landscape phase of work. More specifically, Task Order No. 16 includes the following efforts:

- Acquisition of avigation easements for willing sellers on properties (approximately 20) with trees penetrating, or soon to penetrate, FAA designated approach surfaces.
- Public relations and outreach support.

The allocation of costs related to Task Order No. 16 has been reviewed by staff and it has been found acceptable that the not to exceed value of Task Order No. 16 will be \$421,615.00.

Mr. Mann recommended the Board approve Task Order No. 16 to the contract with Hanson Professional Services, Inc. in the amount of \$421,615.00 and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

ACTION ITEMS

11. Deicing and Fuel Storage Facility — Louisville Muhammad Ali International Airport — Contract Award

This project consists of construction of a 40,000-gallon liquid deicer tank, a 10,000-gallon diesel fuel tank, a 1,920 square foot solid storage building, and 2,300 square yards of 8" concrete pavement near the Aircraft Rescue and Fire Fighting building in the central area of the Louisville Muhammad Ali International Airport. The project was advertised in *The Courier-Journal* and the *Louisville Defender*, was posted on the Authority's website and was provided to the Tri-State Minority Supplier Development Council. Two bids were received and the lowest, responsive bidder was Wehr Constructors, Inc. of Louisville, KY. Authority staff and our consultant have reviewed the bid documents submitted by Wehr Constructors, Inc., have verified the bid to be responsive, and are recommending the contract award.

Mr. Mann recommended the Board award the contract for the SDF Deicing and Fuel Storage Facility to Wehr Constructors, Inc. of Louisville, KY at the unit bid price of \$2,239,479; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

12. Airfield Lighting Vault and Precision Approach Path Indicator (PAPI) Replacement — Bowman Field — Contract Award

This project replaces the airfield lighting vault including installation of new/existing constant current regulators; demolition of existing Visual Approach Slope Indicator (VASI) and PAPI fixtures and installation of new PAPIs; and installation of new decorative fencing at Bowman Field. An add alternate was also included to replace the control cable from the new vault to the

Air Traffic Control Tower. This project was advertised in *The Courier-Journal* and the *Louisville Defender*, was provided to the Tri-State Minority Supplier Development Council, and was posted on the Authority's website. Two bids were received, with the lowest bid from the TEM Group, Inc. of Louisville, KY with a unit price base bid of \$1,146,306.50 and an add alternate unit price bid of \$153,597.00 for a total bid price of \$1,299,903.50. Authority staff and our consultant have reviewed the bid documents submitted by the TEM Group, Inc., have verified their bid to be responsive, and are recommending the contract award. An FAA grant will fund 90% of this project.

Mr. Mann recommended the Board award the contract for the LOU Vault and PAPI Replacement at Bowman Field to the TEM Group, Inc. of Louisville, KY for both the base bid and the add alternate in accordance with the unit prices set forth in the bid for a total contract amount of \$1,299,903.50; and, authorize the Executive Director to execute the necessary contract documents subject to review and approval by counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Mann's recommendation.

There being no additional business the meeting adjourned at 3:55 p.m.

Dale Boden, Chairman

Dan E. Mann, Assistant Secretary