

LOUISVILLE REGIONAL AIRPORT AUTHORITY 001432
BOARD MEETING
JANUARY 25, 2017

The regular meeting of the Board of the Louisville Regional Airport Authority was held on January 25, 2017. Chairman Jim Welch convened the meeting at 3:03 p.m. in the Boardroom of the Louisville Regional Airport Authority, Louisville, Kentucky.

Those in attendance were: Mr. Dale Boden, Mr. William Byrley, Ms. Mary Rose Evans, Ms. Nikki Jackson, Mr. Earl Jones, Mr. Jon Meyer, Ms. Cissy Musselman, and Mr. Jim Welch. Not in attendance: Mayor Greg Fischer, Ms. Lesa Seibert and Mr. Steve Trager. Mr. Tom Halbleib attended as counsel to the Board.

Staff Members in attendance were: Ms. Brenda Allen, Ms. Pat Apone, Mr. Josh Ball, Ms. Dodie Caulk, Ms. Natalie Chaudoin, Mr. Dwight Clayton, Mr. Mike Ford, Ms. Noel Jolly, Ms. Heather McClure, Mr. Tom Middleton, Mr. Skip Miller, Mr. Steve Petty, Mr. Scott Shelton, Mr. Brian Sinnwell, Mr. Adam Thomas, Mr. Tom Tyra, and Mr. Darrell Watson.

Also in attendance: Mr. Joe Biega, Mr. Bobby Campbell, Mr. Matt Demos, Mr. Todd Knuckey, Mr. Clair Nichols, Mr. Tony Oberhausen, Ms. Maribeth Ralph, Mr. Christopher Schissler, Ms. Karen Scott, Mr. Richard Sutherland, Ms. Julie Taylor, Ms. Melissa Vasher, and Mr. Morgan Ward.

CONSIDERATION OF MINUTES

The minutes of the regular board meeting held November 16, 2016 were reviewed and, upon motion duly made and seconded, unanimously approved.

MARKETING REPORT

Mr. Tom Tyra presented the Marketing Report. The Air Service Report for the month ending January 31, 2017 shows 70 daily flights, which is an increase of one flight and 194 daily seats from last month and an increase of six flights and 680 daily seats from the same period last year.

Mr. Tyra announced Delta airlines will add one Saturday-only flight to Orlando, FL beginning February 18, 2017 using 70-seat aircraft operated by GoJet Airlines. The flight is scheduled to operate through August 12, 2017. Southwest Airlines will add three additional Saturday-only flights to Orlando, FL, two Saturday only flights to Tampa and one additional Saturday-only flight each to Phoenix, Denver and Las Vegas beginning June 10, 2017. The flights to Las Vegas and Orlando will use 143-seat aircraft and flights to Phoenix, Denver and Tampa will use 175-seat aircraft. The additional weekend service will operate through August 12, 2017. Allegiant will begin new service to Louisville on May 19, 2017. They will initially provide twice weekly service to Fort Lauderdale, Fort Myers/Punta Gorda, Orlando/Sanford, Tampa/St. Petersburg, Destin/Fort Walton Beach and Savannah/Hilton Head using 177-seat Airbus 320 aircraft.

Mr. Jon Meyer congratulated Mr. Tyra on bringing Allegiant to Louisville.

FINANCIAL REPORT

Ms. Pat Apone presented the financial report for the month ending December 31, 2016. Ms. Apone reported the financial results for the first six months of the fiscal year remain positive. Landed weight related to passenger activity has increased 9.6% in December and 6% for the first six months of this fiscal year. Landed weight associated with cargo activity has increased at a steady 6% for the past 12 months.

Operating revenues for the month of December and fiscal year-to-date are exceeding their budgeted amounts. Revenues for the month were \$5,506,166 bringing the fiscal year-to-date total to \$34,645,149 which is a 9.7% increase above budget. Revenues derived from landing fees, terminal concessions, FBO rents, parking and rental car activities are exceeding expectations for the first six months of the year.

Operating expenses for December and fiscal-year-to-date are below their budgeted levels. Expenses for the month were \$2,595,122 and were 10.9% under budget. Fiscal year-to-date expenses were \$14,050,977 which is 9.3% below budget. Expenses related to payroll, contract services, and professional and consulting fees are currently under their forecasted amounts. Capital expenditures and grant revenue remain low and will remain low until the start of construction season.

At the request of the Board, reports related to the Authority's DBE and ACDBE programs have been developed and are located on pages 22 and 23 of the financial report. The DBE report provides information related to the Authority's DBE program on a monthly and fiscal year basis and also provides monthly and federal-fiscal-year-to-date information on locally funded, non-federal DBE purchases. The ACDBE report provides monthly and federal-fiscal-year-to-date on rental car concession and terminal concession activity as reported to the FAA. The Board requested the reports be adjusted to reflect actual percent of DBE and ACDBE participation relative to goal. The FAA determines the methodology which establishes the goals.

CONSTRUCTION REPORT

Mr. Brian Sinnwell presented the construction report.

At Louisville International Airport, the Terminal Enhancement Project continues. Installation of terrazzo flooring throughout the building is approximately 99% complete, the main core escalator refurbishment is complete, the gallery space is complete, construction of the airport meditation space is complete, installation of carpet is 98% complete, work on the concourse connector architectural feature is complete, and new baggage claim FIDS are installed and operating. Construction oversight of the concession spaces continues with work on The Bourbon Academy Tasting Room, Brooks Brothers and Coals Artisan Pizza. The overall project is approximately 95% complete. For the Crittenden Drive – Woodlawn Overpass Project, the final phase of the Crittenden Drive relocation project, which consists of replacing the existing Woodlawn Overpass Bridge, reconstructing 920 linear feet of Woodlawn Avenue, and

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overlaying approximately 3,735 linear feet of asphalt on Woodlawn Avenue and Allmond Avenue, the concrete deck on the south side has been poured. The contractor is currently pouring guard rail, curbs and sidewalk. Asphalt base has been placed on the bridge approaches and the tentative change over to the south side is the first week of February pending weather. Demolition of the north bridge is expected to begin in February. Estimated project completion is 43%.

At Bowman Field, Hanson Professional Services, Inc. continues work on the acquisition of aviation easements for the purpose of obstruction removal as part of the Airport Area Safety Program. Work includes additional survey verification, title search, easement appraisals, development of aviation easement documents and exhibits, consultation with property owners regarding the aviation easement process and the trimming and removal of trees. Consultation with the Division of Community Forestry, Metro Parks, and Big Spring Country Club also continues.

Mr. Sinnwell reported on the Relocation Program. Under the environmental sampling and asbestos clearing and demolition contracts, no properties were assigned for survey for asbestos containing materials during this period, no structures were assigned for abatement during this period, and no structures were demolished.

For the Sound Insulation Program, a project kick-off meeting for the Noise Mitigation Program at the University of Louisville Belknap Campus was held with the University on December 4, 2015 to begin discussions regarding noise mitigation of certain eligible buildings on the Belknap Campus. Follow-up coordination meetings were held, and the initial acoustical testing was conducted on 13 buildings on campus March 12-20, 2016. Testing was completed on six additional buildings April 29-May 4, 2016. The final round of testing for five additional buildings was completed August 13, 2016. A total of 24 buildings have been tested, and acoustical testing results have been reviewed by the FAA-Memphis ADO. A summary of test results and a copy of the report were presented to the University of Louisville on November 2, 2016. A survey of existing conditions was conducted January 4-6, 2017, and the project is 90% complete.

For the Noise Exposure Map (NEM) Update Project, the draft maps and report were presented to the Community Noise Forum on October 26, 2016 for review. The draft report has been finalized and a 30 day public comment period began on November 4, 2016. A public workshop was held on November 29 between 5:00 pm and 7:00 pm at the Fourth Presbyterian Church. The 2016 and 2021 NEMs were submitted to the FAA on December 23, 2016. The project is 90% complete.

BOARD CONSENT ITEMS

1. Signature Resolutions — Approval

Certain individuals within the Authority are designated to transact business on behalf of the Authority. Recently one of these positions, the Deputy Executive Director of Finance and

Administration was filled. This makes it necessary to update Signature Resolutions for the following Authority accounts:

General Fund Account	Republic Bank
PFC Account	Republic Bank
Parking Account	Republic Bank
Land Fund Account	Republic Bank
Bond Trustee & Custodian	U.S. Bank, N.A.
Depository of Funds	Fifth Third Securities
Depository of Funds	PNC Capital Markets
Depository of Funds	Raymond James
Depository of Funds	Metro Bank
Depository of Funds	BB&T Capital Markets
Depository of Funds	J.J.B. Hilliard, W.L. Lyons, LLC

These resolutions establish certain individuals as authorized to sign checks and transact business on behalf of the Authority. Mr. Miller recommended the Board approve the Signature Resolutions (copy attached) adding Ms. Pat Apone as an authorized individual. On motion duly made and seconded, the Board approved Mr. Miller's recommendation.

BOARD ACTION ITEMS

2. C&S Engineers, Inc. — Contract Amendment No. 5 Sound Insulation Program — Louisville International — Approval

In November 2012, the Board approved the award of an annually renewable contract for a period of five years with C&S Engineers, Inc. of Syracuse, NY as the Authority's Sound Insulation Program Consultant. It was anticipated that during this period sound insulation would commence on the University of Louisville campus. This sound insulation is required in the Record of Decision (ROD) for the Louisville Airport Improvement Program (LAIP) Environmental Impact Statement (EIS). The Louisville Regional Airport Authority (LRAA) agreed to implement a program of soundproofing at the University of Louisville (UofL) Belknap Campus within 5 years of completion of the LAIP. This portion of the amendment will fund an Environmental Assessment (EA) as well as professional services for the design and bidding of the proposed project. This element is an approved measure in the Part 150 Update for Louisville International Airport as well.

The major program elements for this amendment include environmental investigation; historic, architectural, archeological, and cultural resources investigation; preparation of construction plans and specifications; and final cost estimates and construction schedule. Mr. Miller recommended the Board approve the Contract Amendment No. 5 with C&S Engineers, Inc. in the amount of \$648,518.00, bringing their total contract amount to \$7,418,796.; and authorize the Executive Director to execute the contract amendment in a form approved by counsel. On motion duly made and seconded, the Board approved Mr. Miller's recommendation.

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3. Modifications to the Cooperative Air Service Development Program — Louisville International —Contract Award

The Cooperative Air Service Development Program has been an effective component of the airport's efforts to retain and expand airline service. Changes to the program include updating the list of "Destinations of Interest" to include Fort Walton Beach, FL (VPS), Myrtle Beach, SC (MYR) and Savannah, GA (SAV) and adding a signature page for airlines to acknowledge their acceptance of terms. The program will continue to be offered on a first come, first served basis and will be equally available to all current and prospective passenger airlines. Mr. Miller recommended the Board approve the revised Cooperative Air Service Development Program (copy attached). On motion duly made and seconded, the Board approved Mr. Miller's recommendation.

4. 5-Year Capital Improvement Program — Louisville International and Bowman Field — Approval

Airport Authority staff has completed the annual update of the five-year Capital Improvement Plan (2018-2022) that estimates capital spending for Louisville International Airport (SDF) and Bowman Field (LOU) for the next five (5) fiscal years.

The total spending for the five year period is estimated at \$181,765,500 (\$160.9 million – SDF, \$20.8 million – LOU). The major projects at Louisville International Airport include an update to the Group VI Aircraft Air Operations Study, airfield terminal apron reconstruction, continuation of the sound insulation program focusing on treatment of eligible facilities on the University of Louisville Campus, replacement of the passenger terminal's electrical switchgear, replacement of the terminal's access control system, and airfield electrical and pavement rehabilitation projects. Bowman Field improvements include the continuation of the Airport Area Safety Program, rehabilitation of airfield pavement and replacement of airfield lighting system components.

The plan is organized by fiscal year and funding eligibility. The estimated total funding levels for both facilities are as follows: FAA (\$93.85 million), PFC (\$13.46 million) and LRAA (\$74.45 million). The replacement of the terminal access control system is included as an addition to the 2018 PFC program as previously approved. All projects are subject to the availability of funding and annual budget authorization.

Mr. Miller recommended the Board approve the Capital Improvement Plan (2018-2022) (copy attached) and authorize the Executive Director to distribute copies to the appropriate FAA and State officials. On motion duly made and seconded, the Board approved Mr. Miller's recommendation.

5. Purchase of Avigation Easement from Louisville/Jefferson County Metro Government in Support of the Bowman Field Airport Area Safety Program — Bowman Field — Approval

As you may recall, the Bowman Field Airport Area Safety Program contemplates the acquisition of an Avigation Easement over a portion of Seneca Park. To acquire the needed easement, representatives of the Authority have engaged in discussions with representatives of Louisville Metro. Specifically, those discussions contemplate that the easement would cover a 29.936-acre area. The Authority would pay the appraised value of \$235,000 for the easement, which would permit it to trim trees and other vegetation to a level ten feet below the elevation of the easement. The easement also would prohibit the construction of any improvements that encroach above the elevation of the easement.

The Authority would agree to limit its tree trimming within the easement area to winter months and to coordinate those activities with Louisville Metro to limit impact on park and golf course use. The Authority would further agree to replace every tree removed within the easement area with five new, three inch diameter trees of species selected by Louisville Metro, to be planted by the Authority at a location selected by Metro but within five miles of Seneca Park. The Authority would provide watering and a warranty for two years. Additionally, Louisville Metro allowed the Authority to remove certain trees from its rights of way during the winter of 2015-16, subject to an understanding that replacement would be three to one and otherwise generally consistent with Seneca Park tree replacement. Accordingly, the easement would require that the Authority replace each of the public right-of-way trees with three trees, to be located generally along the Taylorsville Road right of way. The other terms regarding these trees would generally be consistent with those described above. Finally, the Authority would cause its tree contractor to agree to indemnify, and to name as an additional insured under its policies of liability insurance, Louisville Metro as respects operations conducted within the easement area.

Mr. Miller recommended the Board approve the Authority's acquisition of the avigation easement for \$235,000, and for the performance of the Authority undertakings described above; and authorize the Executive Director to execute and deliver the appropriate instruments of transfer, all subject to approval of counsel as to legality of form and content. On motion duly made and seconded, the Board approved Mr. Miller's recommendation. Mr. Earl Jones opposed the motion.

EXECUTIVE DIRECTOR'S REPORT

Mr. Miller informed the Board that the Authority's FY 2015 Annual Report, *Change is in the Air* received an award of merit from the International Association of Business Communicators and Public Relations Society of America's Landmarks of Excellence Awards. In addition the Authority's radio advertising, digital advertising and overall marketing campaign received an honorable mention at the ACI-NA Excellence in Marketing, Advertising and Communications event.

Mr. Miller advised the Board he had received, for the first time, a thank you letter from Brendan Canavan, President of UPS Airlines for the Authority's help during the peak holiday season. The letter read as follows:

“UPS Airlines would like to thank the Louisville Regional Airport Authority (LRAA) for their outstanding support during UPS 2016 Peak Operations. 001438

When UPS Founder Jim Casey said, “We need people who can do what has never been done before,” he was talking about all the team players it takes to execute operations like UPS had this year. With no exception, this includes our partners at the LRAA.

Overall, UPS shipped 700 million packages this holiday season – yes, 700 million, and that’s truly something that has never been done before. At SDF, UPS experienced up to a 17% increase in air volume. And for the first time during peak operations, we utilized multiple B747-8 leased aircraft.

This could not have been done without the outstanding preparation and daily support of the LRAA, including Deputy Executive Director and Chief Operating Officer Steve Petty, Operations Manager Suzanne Kimmons, Director of Maintenance Tim Haizlip, and all their dedicated staff who all played a big part of UPS’s success this Peak season.

You know how important Peak is for UPS and at UPS Airlines, we want you to know that we sincerely appreciate the Louisville Regional Airport Authority’s hard work and dedication, which was truly reflected in the success of UPS Peak 2016 operations.”

Following the Executive Director’s report, upon motion duly made by Chairman Welch, seconded and approved, the following motion to go into closed session was adopted at 4:09 p.m.:

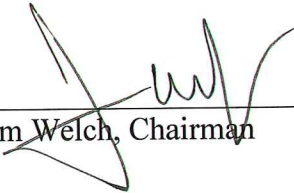
I hereby move that the Board enter closed session for the purpose of conducting discussions concerning litigation involving the Authority and to discuss the interim status of an on-going internal investigation. The reason for entering closed session with respect to the pending litigation is that the Board requires the opportunity to discuss in confidence the Authority’s litigation strategy, tactics, and other matters directly pertaining to the litigation, and to insure the information discussed remains privileged. The reason for entering the closed session in respect to the discussion of the internal investigation is that it could eventually lead to action with respect to an employee. No final action is to be taken in this closed session. This action is authorized by KRS 61.810(1)(c),(f) and (k).

I further move that the foregoing motion constitutes notice and public announcement of the general nature of the business to be discussed in closed session, the reason for the closed session, and the specific provision

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of the Kentucky Open Meetings Act authorizing the closed session, as required by KRS 61.815.

There being no further business, the meeting adjourned at 5:15 p.m.



Jim Welch, Chairman

C. T. "Skip" Miller, Assistant Secretary

GENERAL FUND ACCOUNT

Meeting of the Louisville Regional Airport Authority January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT REPUBLIC BANK, Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation with respect to the General Fund Account.

THAT all prior Resolutions granting authority to withdraw funds of the Authority with respect to the General Fund Account with such depository are rescinded.

THAT any deposit of this Corporation to the Louisville Regional Airport Authority Account with Republic may be drawn by check in the name of the Corporation signed by any one of the following for checks less than One Thousand Dollars (\$1,000.00) and by any two of the following for checks of One Thousand Dollars (\$1,000.00) or more:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting
Dwight H. Clayton, PE, AAE	Director of Engineering

THAT any of the above-named persons is further authorized to endorse by signature or facsimile to the order of said Corporation, checks, drafts and other evidence of claim for deposit.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct electronic financial transactions as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by Republic Bank, setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to Republic Bank.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal
of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

LAND FUND ACCOUNT

Meeting of the Louisville Regional Airport Authority January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT REPUBLIC BANK, Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation with respect to the Land Fund Account.

THAT all prior Resolutions granting authority to withdraw funds of the Authority with respect to the Land Fund Account with such depository are rescinded.

THAT any deposit of this Corporation to the Louisville Regional Airport Authority Account with Republic may be drawn by check in the name of the Corporation signed by any one of the following for checks less than One Thousand Dollars (\$1,000.00) and by any two of the following for checks of One Thousand Dollars (\$1,000.00) or more:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT any of the above-named persons is further authorized to endorse by signature or facsimile to the order of said Corporation, checks, drafts and other evidence of claim for deposit.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct electronic financial transactions as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by Republic Bank, setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to Republic Bank.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal
of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

PARKING FUND ACCOUNT

Meeting of the Louisville Regional Airport Authority January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT REPUBLIC BANK, Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation with respect to the Parking Fund Account.

THAT all prior Resolutions granting authority to withdraw funds of the Authority with respect to the Parking Fund Account with such depository are rescinded.

THAT any deposit of this Corporation to the Louisville Regional Airport Authority Account with Republic may be drawn by check in the name of the Corporation signed by any one of the following for checks less than One Thousand Dollars (\$1,000.00) and by any two of the following for checks of One Thousand Dollars (\$1,000.00) or more:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT any of the above-named persons is further authorized to endorse by signature or facsimile to the order of said Corporation, checks, drafts and other evidence of claim for deposit.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct electronic financial transactions as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by Republic Bank, setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to Republic Bank.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal
of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

PFC FUND ACCOUNT

Meeting of the Louisville Regional Airport Authority
January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT REPUBLIC BANK, Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation with respect to the PFC Fund Account.

THAT all prior Resolutions granting authority to withdraw funds of the Authority with respect to the PFC Fund Account with such depository are rescinded.

THAT any deposit of this Corporation to the Louisville Regional Airport Authority Account with Republic may be drawn by check in the name of the Corporation signed by any one of the following for checks less than One Thousand Dollars (\$1,000.00) and by any two of the following for checks of One Thousand Dollars (\$1,000.00) or more:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT any of the above-named persons is further authorized to endorse by signature or facsimile to the order of said Corporation, checks, drafts and other evidence of claim for deposit.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct electronic financial transactions as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by Republic Bank, setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to Republic Bank.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal
of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

BOND TRUSTEE & CUSTODIAN

Meeting of the Louisville Regional Airport Authority
January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT U.S. BANK N.A., Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation.

THAT all prior resolutions granting authority for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities with such depository are rescinded.

THAT this Resolution enables the Authority to establish Accounts for investment purposes as approved by the Authority Board.

THAT any one of the Authority management named below is hereby authorized and empowered, on behalf of the Authority, to establish and maintain one or more Accounts for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT this resolution grants authority to the above named including, but not limited to, giving written or oral instructions to U.S. Bank, N.A. with respect to all transactions; binding and obligating the Authority for all transactions with U.S. Bank, N.A. and depositing funds with U.S. Bank, N.A.

THAT U.S. Bank, N.A. may deal with all the above named as though they were dealing with the Authority directly.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct financial transactions related to bond and custodial accounts as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by U.S. Bank, N.A., setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to U.S. Bank, N.A.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

INVESTMENT DEPOSITORY

Meeting of the Louisville Regional Airport Authority January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT FIFTH THIRD SECURITIES, INC., Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation.

THAT all prior resolutions granting authority for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities with such depository are rescinded.

THAT this Resolution enables the Authority to establish Accounts for investment purposes as approved by the Authority Board.

THAT any one of the Authority management named below is hereby authorized and empowered, on behalf of the Authority, to establish and maintain one or more Accounts for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT this resolution grants authority to the above named including, but not limited to, giving written or oral instructions to Fifth Third Securities, Inc. with respect to all transactions; binding and obligating the Authority for all transactions with Fifth Third Securities, Inc. and depositing funds with Fifth Third Securities, Inc.

THAT Fifth Third Securities, Inc. may deal with all the above named as though they were dealing with the Authority directly.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct transactions related to investments as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by Fifth Third Securities, Inc., setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to Fifth Third Securities, Inc.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

INVESTMENT DEPOSITORY

Meeting of the Louisville Regional Airport Authority January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT PNC CAPITAL MARKETS LLC, Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation.

THAT all prior resolutions granting authority for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities with such depository are rescinded.

THAT this Resolution enables the Authority to establish Accounts for investment purposes as approved by the Authority Board.

THAT any one of the Authority management named below is hereby authorized and empowered, on behalf of the Authority, to establish and maintain one or more Accounts for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT this resolution grants authority to the above named including, but not limited to, giving written or oral instructions to PNC Capital Markets LLC with respect to all transactions; binding and obligating the Authority for all transactions with PNC Capital Markets LLC and depositing funds with PNC Capital Markets LLC.

THAT PNC Capital Markets LLC may deal with all the above named as though they were dealing with the Authority directly.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct transactions related to investments as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by PNC Capital Markets LLC, setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to PNC Capital Markets LLC.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

INVESTMENT DEPOSITORY

Meeting of the Louisville Regional Airport Authority January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT RAYMOND JAMES & ASSOCIATES, Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation.

THAT all prior resolutions granting authority for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities with such depository are rescinded.

THAT this Resolution enables the Authority to establish Accounts for investment purposes as approved by the Authority Board.

THAT any one of the Authority management named below is hereby authorized and empowered, on behalf of the Authority, to establish and maintain one or more Accounts for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT this resolution grants authority to the above named including, but not limited to, giving written or oral instructions to Raymond James & Associates. With respect to all transactions; binding and obligating the Authority for all transactions with Raymond James & Associates and depositing funds with Raymond James & Associates.

THAT Raymond James & Associates may deal with all the above named as though they were dealing with the Authority directly.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct transactions related to investments as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by Raymond James & Associates, setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to Raymond James & Associates.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

INVESTMENT DEPOSITORY

Meeting of the Louisville Regional Airport Authority January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT METRO BANK, Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation.

THAT all prior resolutions granting authority for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities with such depository are rescinded.

THAT this Resolution enables the Authority to establish Accounts for investment purposes as approved by the Authority Board.

THAT any one of the Authority management named below is hereby authorized and empowered, on behalf of the Authority, to establish and maintain one or more Accounts for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT this resolution grants authority to the above named including, but not limited to, giving written or oral instructions to Metro Bank with respect to all transactions; binding and obligating the Authority for all transactions with Metro Bank and depositing funds with Metro Bank

THAT Metro Bank may deal with all the above named as though they were dealing with the Authority directly.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct transactions related to investments as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by Metro Bank, setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to Metro Bank.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

INVESTMENT DEPOSITORY

Meeting of the Louisville Regional Airport Authority January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT BB&T CAPITAL MARKETS, Richmond, Virginia, be and it is designated as a depository of the funds of this Corporation.

THAT all prior resolutions granting authority for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities with such depository are rescinded.

THAT this Resolution enables the Authority to establish Accounts for investment purposes as approved by the Authority Board.

THAT any one of the Authority management named below is hereby authorized and empowered, on behalf of the Authority, to establish and maintain one or more Accounts for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT this resolution grants authority to the above named including, but not limited to, giving written or oral instructions to BB&T Capital Markets with respect to all transactions; binding and obligating the Authority for all transactions with BB&T Capital Markets and depositing funds with BB&T Capital Markets.

THAT BB&T Capital Markets may deal with all the above named as though they were dealing with the Authority directly.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct transactions related to investments as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by BB&T Capital Markets, setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to BB&T Capital Markets.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

INVESTMENT DEPOSITORY

Meeting of the Louisville Regional Airport Authority January 25, 2017

Upon motion duly made, seconded and passed, the following Resolution was unanimously adopted by the Board of the Louisville Regional Airport Authority at a meeting duly held January 25, 2017 at which at least a quorum was present.

RESOLUTION

"RESOLVED THAT J.J.B. HILLIARD, W.L. LYONS, LLC, Louisville, Kentucky, be and it is designated as a depository of the funds of this Corporation.

THAT all prior resolutions granting authority for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities with such depository are rescinded.

THAT this Resolution enables the Authority to establish Accounts for investment purposes as approved by the Authority Board.

THAT any one of the Authority management named below is hereby authorized and empowered, on behalf of the Authority, to establish and maintain one or more Accounts for the purpose of purchasing, investing in or otherwise dealing with all forms of approved securities:

<u>NAME</u>	<u>TITLE</u>
C. T. "Skip" Miller, AAE	Executive Director
Steven C. Petty, AAE	Deputy Executive Director / COO
Patricia L. Apone, AAE	Deputy Executive Director / CFO
Brian J. Sinnwell	Deputy Executive Director / CPO
Dorothy "Dodie" Caulk, CPA, CM	Director of Finance & Accounting

THAT this resolution grants authority to the above named including, but not limited to, giving written or oral instructions to J.J.B. Hilliard, W.L. Lyons, LLC with respect to all transactions; binding and obligating the Authority for all transactions with J.J.B. Hilliard, W.L. Lyons, LLC and depositing funds with J.J.B. Hilliard, W.L. Lyons, LLC.

THAT J.J.B. Hilliard, W.L. Lyons, LLC may deal with all the above named as though they were dealing with the Authority directly.

THAT the Executive Director or Deputy Executive Director / CFO are further authorized to designate to certain Finance staff the ability to conduct transactions related to investments as may be needed in the normal course of business.

THAT the authority vested by this Resolution shall continue until written notice shall be given and acknowledged by J.J.B. Hilliard, W.L. Lyons, LLC, setting forth any change with respect thereto.

THAT the Assistant Secretary of the Corporation is authorized and directed to deliver for and on behalf of the Corporation a certificate of this Resolution to J.J.B. Hilliard, W.L. Lyons, LLC.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal of this Authority this 25th day of January, 2017.

Assistant Secretary

SEAL

LOUISVILLE REGIONAL AIRPORT AUTHORITY
Cooperative Air Service Development Program
Fiscal Year 2017

Purpose

To establish a monetary allocation program that will encourage airlines to initiate new or additional passenger service at Louisville International Airport (SDF) to markets that currently have no nonstop airline service or that the Louisville Regional Airport Authority (LRAA) has determined have inadequate nonstop service from SDF.

Overview

The Marketing Department will request and annually budget an amount approved by LRAA management and the Board to be used to promote new air service. These air service marketing dollars shall not be figured in the rate base of the airlines or affect any cost center in which the airlines participate under the Terminal Use and Lease Agreement and Airfield Use Agreement.

Costs of marketing support, agreed upon in advance, will be borne by the LRAA and allocated according to an established schedule of available funds.

Allocation of funds will be determined in the order a written request is received by the LRAA management or Marketing Department from a current or new entrant airline; in other words participation is on a first-come, first-served basis and until said funding is expended for the fiscal year.

Destinations of Interest

The LRAA will, from time to time, compile a list of destinations of interest. These destinations are much sought after routes that are un-served or are in need of additional non-stop service. As destinations of interest the following routes qualify for support under this program.

Austin, TX (AUS)	Boston, MA (BOS)	Dallas, TX (DAL)
Fort Lauderdale, FL (FLL)	Fort Myers, FL (RSW)	Fort Walton Beach, FL (VPS)
Hartford, CT (BDL)	Houston, TX (HOU)	Jacksonville, FL (JAX)
Kansas City, MO (MCI)	Las Vegas, NV (LAS)	Los Angeles, CA (LAX)
Myrtle Beach, SC (MYR)	Nassau, Bahamas (NAS)	New York, NY (JFK)
New Orleans, LA (MSY)	Oakland, CA (OAK)	Orlando, FL (MCO)
Phoenix, AZ (PHX)	Punta Gorda, FL (PGD)	Raleigh, NC (RDU)
Salt Lake City, UT (SLC)	San Francisco, CA (SFO)	Sanford, FL (SFB)
Savannah, GA (SAV)	Seattle, WA (SEA)	St. Petersburg, FL (PIE)
Tampa, FL (TPA)	Toronto, Canada (YYZ)	West Palm Beach, FL (PBI)

Eligibility

This program is open to all airlines interested in adding regularly scheduled flight service at SDF. New service must result in a net increase in the airline's total number of flights from SDF. The airline may not discontinue an existing flight service to initiate new service to a destination of interest. However, the airline retains the ability to modify the type and gauge of aircraft serving existing routes during the promotional period to meet demand.

For year-round service, the airline must maintain this net increase in flight service for at least six months to qualify for the incentive. For seasonal service, the airline must maintain this net increase in flight service for at least three months. Additional flights to destinations of interest may also qualify for the incentive provided that the airline operates the additional flight(s) on a year-round basis. Landing fee credits will only apply to the additional flights(s). Failure to operate the service for the specified minimum period will require the airline to repay the airport for marketing funds obtained through this program.

Operations and Advertising Support

The LRAA will provide operations and advertising assistance for the new or enhanced service to destinations included in this program. Advertising support requires airline cooperative participation of at least 10% of the total cost of advertising. Airline participation may be funded by cash payment or in various other ways including, but not limited to, providing airline tickets for contests and promotions or providing advertising copy, video, audio or other media. The share may also be funded in other creative ways which need to be submitted to the LRAA Authority for approval before advertising is placed.

All advertising must prominently show or mention the name or logo of "Louisville International Airport". Advertising may be created and/or placed by either the LRAA or airline. However, the campaign schedule, budget and content of all advertising must be approved by both parties prior to placement.

To further support new or enhanced service to a destination included in this program, the LRAA will provide a rent credit based on the number of weekly flights operated and the seasonality of the service. The rent credit will be issued at the conclusion of each three, six, nine and twelve month intervals. Airlines must agree to provide reports detailing aircraft landings and gate usage generated by the qualifying service and submit associated payments on a monthly basis. Once issued each rent credit may be used prospectively to offset or reduce payments required due to any airline activity whether qualifying or not during succeeding intervals. Alternatively, the airline may request that all or a portion of the available rent credit be used for advertising the new service. However, advertising dollars cannot be used to pay rent or other airport use fees.

New Year-Round Nonstop Service to Unserved Target Markets

Service to new unserved markets is eligible for two years of support from this program. Eligible markets include:

Austin, TX (AUS), Boston, MA (BOS), Dallas, TX (DAL), Fort Lauderdale, FL (FLL), Fort Myers, FL (RSW), Fort Walton Beach, FL (VPS), Hartford, CT (BDL), Houston, TX (HOU), Jacksonville, FL (JAX), Kansas City, MO (MCI), Los Angeles, CA (LAX), Myrtle Beach, SC (MYR), Nassau (NAS), New York, NY (JFK), New Orleans, LA (MSY), Oakland, CA (OAK), Punta Gorda, FL (PGD), Raleigh, NC (RDU), Salt Lake City, UT (SLC), San Francisco, CA (SFO), Sanford, FL (SFB), Savannah, GA (SAV), Seattle, WA (SEA), St. Petersburg, FL (PIE), Toronto (YYZ), West Palm Beach, FL (PBI)

Year Round Nonstop Service

Year One Rent Credit and Advertising:

Four or More Weekly Flights	\$150,000 rent credit	\$75,000 advertising support
One to Three Weekly Flights	\$ 75,000 rent credit	\$75,000 advertising support

Year Two Rent Credit:

Four or More Weekly Flights	\$ 150,000 rent credit
One to Three Weekly Flights	\$ 75,000 rent credit

New Seasonal Nonstop Service (three to six months of service)

Year One Rent Credit and Advertising:

Four or More Weekly Flights	\$75,000 rent credit	\$37,500 advertising support
One to Three Weekly Flights	\$37,500 rent credit	\$37,500 advertising support

Year Two Rent Credit:

Four or More Weekly Flights	\$75,000 rent credit
One to Three Weekly Flights	\$37,500 rent credit

New Year-Round Nonstop Service to Existing Target Markets

Year Round Service to existing target markets is eligible for one year of support under this program.

Markets include: Las Vegas, NV (LAS), Orlando, FL (MCO), Phoenix, AZ (PHX) and Tampa, FL (TPA)

Four or More Weekly Flights	\$150,000 rent credit	\$75,000 advertising support
One to Three Weekly Flights	\$ 75,000 rent credit	\$75,000 advertising support

Airlines will agree to pay all applicable rates and charges established by the current Terminal Lease Agreement, Airfield Use Agreement, LRAA regulations, Airport Board policy or other mechanism as costs are incurred during the term of this program. Rent credits will only be issued to airlines whose accounts are in good standing.

Program Acceptance

Qualifying Service:

Louisville Regional Airport Authority

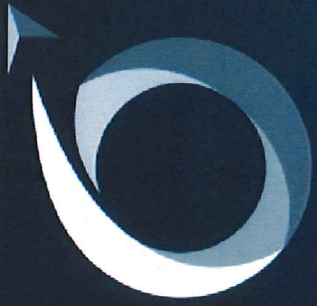
Title

Date

Airline Representative

Title

Date



Louisville
AIRPORT AUTHORITY

2018-2022 Capital Improvement Plan

Louisville International Airport (SDF)
Bowman Field (LOU)

January 25, 2017

Louisville Regional Airport Authority

2018-2022 Long Range Capital Improvement Plan

Capital Spending Summary



Louisville International Airport (SDF)

	Federal Share	State Share	LRAA Share	PFC/CCF Share	Total
FY 2018	\$12,901,500	\$0	\$10,512,900	\$7,428,600	\$30,843,000
FY 2019	\$19,858,500	\$0	\$8,254,000	\$632,500	\$28,745,000
FY 2020	\$8,919,000	\$0	\$16,011,000	\$0	\$24,930,000
FY 2021	\$21,519,000	\$0	\$9,126,000	\$200,000	\$30,845,000
FY 2022	\$19,404,000	\$0	\$21,031,000	\$5,200,000	\$45,635,000
Sub-Total: (SDF)	\$82,602,000	\$0	\$64,934,900	\$13,461,100	\$160,998,000



Bowman Field (LOU)

	Federal Share	State Share	LRAA Share	PFC/CCF Share	Total
FY 2018	\$540,000	\$0	\$2,272,000	\$0	\$2,812,000
FY 2019	\$3,195,000	\$0	\$1,097,500	\$0	\$4,292,500
FY 2020	\$450,000	\$0	\$2,133,000	\$0	\$2,583,000
FY 2021	\$3,150,000	\$0	\$1,627,500	\$0	\$4,777,500
FY 2022	\$3,915,000	\$0	\$2,387,500	\$0	\$6,302,500
Sub-Total: (LOU)	\$11,250,000	\$0	\$9,517,500	\$0	\$20,767,500

Total Capital Spending 2018-2022

\$93,852,000	\$0	\$74,452,400	\$13,461,100	\$181,765,500
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C- Capital Projects, CE - Capital Equipment, MM- Major Maintenance Projects

January 25, 2017

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST	
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	IRRA		
Louisville International Airport (SDF) - 2018											
C	Update Airport Operations Plan-Group VI Aircraft	Design Airport Geometric Modifications & Construct Improvements	\$ -	\$ 3,150,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$	3,500,000
C	Rehabilitation & Expansion of Terminal Apron	Rehabilitation & Expansion of Concrete Terminal Apron (East Side)	\$ -	\$ 2,250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$	2,500,000
C	Develop Northwest Quadrant Utility Relocation Plan	Relocation of Existing Utilities and Site Grading - Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,200,000	\$	3,200,000
C	Continue Sound Insulation Program	Sound insulate facilities identified within the University of Louisville Campus, Property Acquisition	\$ -	\$ -	\$ -	\$ 2,700,000	\$ -	\$ 300,000	\$ -	\$	3,000,000
C	Replace Perimeter Security Fence	Replace Airport Perimeter Security Fence	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 630,000	\$ -	\$	630,000
C	Upgrade Terminal Electrical Systems	Replace Main Terminal Switchgear	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,073,600	\$ 486,400	\$	2,560,000
C	Purchase OCIP	Owner Control Insurance Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$	25,000
C	Construct Tenant Related Modifications	Miscellaneous Improvements Requested by Various Tenants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$	50,000
2018 SUB-TOTAL CAPITAL PROJECTS (SDF)			\$ -	\$ 5,400,000	\$ -	\$ 2,700,000	\$ -	\$ 3,003,600	\$ 4,361,400	\$	15,465,000
CE	Acquire PSO Gear	Annual Replacement of Gear	\$ -	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$	10,000
CE	Purchase Copiers	Replace Printers/ Copiers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$	15,000
CE	Purchase Land-Air Wildlife System(CLAWS)	Avian Control System for Airfield (Four Runway Ends)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$	25,000
CE	Purchase Geographic Information System (GIS) Updates	Update 10 year Old GIS Hardware (Plotter) & Software & Plan Storage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$	125,000
CE	Purchase Oracle Updates	Update Necessary Software Modules	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$	250,000
CE	Replace Noise Monitoring Equipment	Replace 10-Year Old Noise Monitoring Equipment	\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ 5,000	\$	50,000
CE	Install LED Light Fixtures- Parking Garage & Maintenance Facility)	Replace Light Fixtures in Parking Garage (Stairwells/ Walkways)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$	100,000
CE	Replace Access Control System, Phase 1	Replace Security Access System (Phase I)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,600,000	\$ -	\$	3,600,000
CE	Upgrade PC Equipment, IT Systems	Replace Computer Hardware Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$	50,000
CE	Upgrade Flight Information Display System (FIDS)	Upgrade FIDS Software and Hardware Components	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$	120,000
CE	Purchase Taxi Dispatch System	Purchase Taxi-Tracker System	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$	100,000
CE	Replace Terminal Furniture	Annual Purchase of Replacement Furniture at Terminal Gates/Waiting Areas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$	50,000
CE	Purchase Terminal Recycling/Trash Receptacles	Purchase Replacement Trash and Recycling Receptacles for Terminal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000	\$	45,000

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	FFC's/CCF's	IRRA	
CE	Update Revenue Control Equipment -Parking	Update Revenue Control Equipment - Parking Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
CE	Purchase CCTV Equipment	Upgrade Parking Garage & Surface Lot CCTV System (Phase I)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
CE	Purchase Equipment	Replace Asset #3346, 2008 F-150 Super Crew (Public Safety, Canine)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
CE	Purchase Equipment	Replace Asset #0075, 2012 Chevrolet Tahoe (Public Safety)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000
CE	Purchase Equipment	Replace Asset #M0078, 2012 Chevrolet Tahoe (Public Safety)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000
CE	Purchase Equipment	Purchase SUV (new) (Public Safety)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,000
CE	Purchase Equipment	Replace Asset #805, 1997 Oshkosh Runway Sweeper	\$ -	\$ 472,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 525,000
CE	Purchase Equipment	Replace Asset #894, 1996 Ford F575E Backhoe	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000
CE	Purchase Equipment	Replace Asset #23326, 2001 Bush Hog 26' Bat Wing Mower Deck	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000
CE	Purchase Equipment	Replace Asset #900, 1999 Ford F-350 Service Truck (Vehicle Maintenance)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000
CE	Purchase Equipment	Replace Asset #769, 1995 Massey-Ferguson Tractor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,000
2018		SUB-TOTAL CAPITAL EQUIPMENT (SDF)	\$ -	\$ 481,500	\$ -	\$ 45,000	\$ -	\$ 3,600,000	\$ 1,731,500	\$ 5,858,000
		SUMMARY C & CE SUB-TOTAL	\$8,626,500				\$0		\$12,696,500	

*C- Capital Projects, CE - Capital Equipment, MM- Major Maintenance Projects

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST	
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	LRRA		
Louisville International Airport (SDF) - 2018											
MM	Rehabilitate Airfield Pavement	Repair / Replace Airfield Pavement identified in Pavement Management Program	\$ -	\$ 2,250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 2,500,000
MM	Update Airfield Electrical System	Replace Runway & Taxiway Fixtures, Cable and Signs	\$ -	\$ 2,025,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000	\$ 2,250,000
MM	Reseal Terminal Apron Joints	Reseal Concrete Terminal Apron Joints	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000
MM	Annual Maintenance of Roadways & Bridges	Annual Maintenance and Repair of Terminal Roadways & Bridges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000	\$ 225,000
MM	Conduct Facility Roof Inventory	Inspection, Inventory and Program Development of Roof Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000
MM	Annual Repair of Facility Roofs	Annual Roof Repair and Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
MM	Annual Upgrade of ILBS	Upgrades required for ILBS system	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Replace Sidewalks - Terminal Building	Replace Sidewalks - Departures Level, West Side Terminal Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Maintain Engineered Materials Arresting Bed (EMAS)	Annual Maintenance of the EMAS Bed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Annual Maintenance of Cargo Facility	Annual Maintenance of Cargo Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 40,000
MM	Annual Maintenance of Parking Structure	Maintenance of Parking Structure	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,000	\$ 185,000
MM	Annual Clean-Out of Oil/Water Separator	Cleaning of oil/water separator	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000
MM	Annual Snow Removal	Annual Snow Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000
MM	Annual Rubber Removal	Annual Rubber Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000
MM	Annual R/W & T/W Painting	Annual Runway and Taxiway Painting & Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000
MM	Annual Aircraft Parking Maintenance	Annual Cleaning and Painting of Aircraft Parking Gates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000
MM	Annual Sealcoat of Vehicle Parking Areas	Sealcoat & Crack Seal Asphalt (Landside)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Annual Repairs to Terrazzo Floor	Repair / Replace Terrazzo Floor in Terminal Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
MM	Annual Replacement of Terminal Windows	Replacement of Failed Windows in Terminal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000
MM	Annual Replacement of Airfield Signage	Replacement of Airfield Signage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000
MM	Survey RW Approaches & Remove Obstructions	Survey Approaches & Clear Trees within Approach / Departure Paths (Aerial Photography- Airports & LRZC)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000
MM	Replace Roof on Landside Cargo Building	Remove and Replace Roof on Landside Cargo Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000	\$ 325,000

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	IRAA	
MM	Annual Replacement of Water Valves	Replace Water Valves on Terminal Apron	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
MM	Install Fire Protection Connection - Parking Garage	Install new Stand Pipe and Fire Protection Connection in Parking Garage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
MM	Construct Concrete Apron - Quick Turn Around Facility (QTA)	Construct Concrete Apron Adjacent to QTA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000	\$ -	\$ 350,000
MM	Rehabilitate Landside Parking Lots	Rehabilitate Airport Maintenance Building & Parking Department Asphalt Vehicle Parking Lot	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000
MM	Inventory of Roofing Systems	Complete Survey of Facility Roof Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
MM	Rehabilitate Access Roads	Rehabilitate Terminal Facility Access Roads	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000
MM	Purchase Software Licensing	Annual Licensing and Maintenance Support of Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
	2018	SUB-TOTAL MAJOR MAINTENANCE (SDF)	\$ -	\$ 4,275,000	\$ -	\$ -	\$ -	\$ 825,000	\$ 4,420,000	\$ 9,520,000
	2018	TOTAL CAPITAL, CAPITAL EQUIPMENT & MAJOR MAINTENANCE	\$ -	\$ 10,156,500	\$ -	\$ 2,745,000	\$ -	\$ 7,428,600	\$ 10,512,900	\$ 30,843,000
		SUMMARY MM SUB-TOTAL	\$12,901,500					\$0	\$17,941,500	

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST	
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	LEAA		
Bowman Field (LOU) - 2018											
C	Purchase Avigation Easements	Bowman Field Airport Area Safety Program	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 400,000
C	Remove Obstructions	Bowman Field Obstruction Removal / Replacement & Landscape Mitigation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000
C	Rehabilitation of Airfield Pavement	Rehabilitation of Airfield Pavement	\$ -	\$ 382,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,500	\$ 425,000
C	Replace Airport Perimeter Fence	Replace Security Fencing at Bowman Field (Phase II)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000
C	Update Exhibit A	Update Exhibit A Property Map	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000
C	Construct Tenant Related Modifications	Miscellaneous Improvements Requested by Various Tenants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000
CE	Replace Airport Beacon	Replace Airport Beacon with new Technology Unit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000
CE	Install Precision Approach Path Indicator (PAPI)	Install PAPI on Runway 33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000	\$ 325,000
CE	Purchase Exmark Mower	Replace Exmark 36" Walk Behind Mower	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,500	\$ 15,500
CE	Purchase Truck Snow Plow	Replace 99" V-Plow	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ 10,000
CE	Purchase Ride-On Line Striping Equipment	Purchase Ride-On Attachment for Line Striping Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,500	\$ 7,500
CE	Purchase Pusher Box Attachment	Purchase Pusher Box Attachment for Bobcat	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000	\$ 4,000
CE	Purchase Grinder Attachment	Purchase Asphalt Grinder Attachment for Bobcat	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000
CE	Purchase Landscape Rake Attachment	Purchase Landscape Rake Attachment for Bobcat	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,500	\$ 9,500
CE	Purchase Equipment	Replace Asset #1011, 2001 F350 4x4 Truck	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,000	\$ 38,000
2018 SUB-TOTAL CAPITAL PROJECTS (LOU)			\$ -	\$ 382,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,707,000	\$ 2,089,500

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	FPC's/CCF's	IRRA	
MM	Update Airfield Electrical System	Replace Airfield Regulator, Lighting Cable, Fixtures & Signs - Phase 1 Design	\$ -	\$ 157,500	\$ -	\$ -	\$ -	\$ -	\$ 17,500	\$ 175,000
MM	Annual Sealcoat of Airfield Pavement	Sealcoat & Crack Seal Asphalt (Airside)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000
MM	Annual Sealcoat of Asphalt Pavement	Sealcoat & Crack Seal Asphalt (Landside)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000
MM	Relocate Building Electrical Transformer	Relocate Obsolete Transformer in Administration Building. (LGE Project)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,000	\$ 85,000
MM	Rehabilitate Landside Parking Lot	Rehabilitate Landside Asphalt Vehicle Parking Lot	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000
MM	Paint Airport Structures	Prepare, Prime and Paint Various Airport Facilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ 80,000
MM	Annual Clean-Out Oil/Water-Separator	Cleaning of Oil/Water separator	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,500	\$ 7,500
2018		SUB-TOTAL MAJOR MAINTENANCE (LOU)	\$ -	\$ 157,500	\$ -	\$ -	\$ -	\$ -	\$ 565,000	\$ 722,500
2018		TOTAL CAPITAL, CAPITAL EQUIPMENT & MAJOR MAINTENANCE	\$ -	\$ 540,000	\$ -	\$ -	\$ -	\$ -	\$ 2,272,000	\$ 2,812,000
SUMMARY TOTAL			\$540,000					\$0	\$2,272,000	

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	FFC's/CCF's	IRRA	
Louisville International Airport (SDF) - 2019										
C	Rehabilitate Terminal Ramp	Rehabilitation of Concrete Aircraft Parking Apron adjacent to Terminal Building, Replace Drainage & Seal Joints	\$ -	\$ 3,150,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ 3,500,000
C	Rehabilitate Runway & Taxiway Shoulders	Rehabilitate Selected Runway & Taxiway Shoulders	\$ -	\$ 675,000	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 750,000
C	Replace Airport Perimeter Fence	Replace/Rehabilitate Sections of Airport Perimeter Fence	\$ -	\$ 567,000	\$ -	\$ -	\$ -	\$ -	\$ 63,000	\$ 630,000
C	Rehabilitate Taxiway "N"	Rehabilitate Taxiway "N" (Redesignate RW 11-29 Magnetic Declination)	\$ -	\$ 2,475,000	\$ -	\$ -	\$ -	\$ -	\$ 275,000	\$ 2,750,000
C	Rehabilitate and Expand Vehicle Parking	Rehabilitate and Construct Controlled Access Surface Parking Lot	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000	\$ 2,500,000
C	Prepare Airport Layout Plan Update	Update Airport Layout Plan (Terminal Area Plan)	\$ -	\$ 517,500	\$ -	\$ -	\$ -	\$ 57,500	\$ -	\$ 575,000
C	Continue Part 150 Sound Insulation	Sound insulate facilities identified within the University of Louisville Campus (Construction Phase), Residential Design	\$ -	\$ -	\$ -	\$ 4,500,000	\$ -	\$ 500,000	\$ -	\$ 5,000,000
C	Continue Part 150 Land Acquisition	Acquire Properties in Neighborhoods Affected by Aircraft Noise	\$ -	\$ -	\$ 675,000	\$ -	\$ -	\$ 75,000	\$ -	\$ 750,000
C	Purchase OCIP	Owner Control Insurance Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
C	Construct Tenant Related Modifications	Miscellaneous Improvements Requested by Various Tenants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
2019 SUB-TOTAL CAPITAL PROJECTS (SDF)			\$ -	\$ 7,384,500	\$ 675,000	\$ 4,500,000	\$ -	\$ 632,500	\$ 3,338,000	\$ 16,530,000
CE	Acquire PSO Gear	Annual Replacement of Gear	\$ -	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$ 10,000
CE	Upgrade PC Equipment, IT Systems	Replace Computer Hardware Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
CE	Install New Heating, Ventilation, Air Conditioning Unit (HVAC)	Install New HVAC Unit on Custom Border Patrol Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000	\$ 225,000
CE	Purchase Equipment	Replace Asset #Z3346, 2008 F-150 (Public Safety, Canine)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 35,000
CE	Purchase Equipment	Purchase Emergency Generator - Maintenance Facility	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,000	\$ 185,000
CE	Replace Terminal Furniture	Purchase Replacement Furniture at Terminal Gates/Waiting Areas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	IRRA	
CE	Purchase New Technology Revenue Control Equipment	Purchase Credit Card (Chip Reader) Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
CE	Purchase Equipment	Replace Asset #843, 1997 GMC 1 Ton Wrecker (Vehicle Maintenance)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 85,000	\$ 85,000
CE	Update Revenue Control Equipment - Parking	Update Revenue Control Equipment - Parking Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
	2019	SUB-TOTAL CAPITAL EQUIPMENT (SDE)	\$ -	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ 706,000	\$ 715,000
MM	Rehabilitate Airfield Pavement	Repair / Replace Airfield Pavement identified in Pavement Management Program	\$ -	\$ 3,240,000	\$ -	\$ -	\$ -	\$ -	\$ 360,000	\$ 3,600,000
MM	Update Airfield Electrical System	Install Secondary Power Feed to Airfield Electrical Vault & Replace Runway & Taxiway Cables	\$ -	\$ 4,050,000	\$ -	\$ -	\$ -	\$ -	\$ 450,000	\$ 4,500,000
MM	Maintain EMAS Bed	Annual Maintenance of the EMAS Bed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Annual Maintenance of Roadways & Bridges	Annual Maintenance and Repair of Terminal Roadway & Bridges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000
MM	Annual Repair of Facility Roofs	Annual Roof Repair and Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000	\$ 45,000
MM	Annual Upgrade of ILBS	Upgrades required for ILBS system	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Annual Replacement of Terminal Hydrants	Replace Fire Hydrants on Terminal Apron	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Annual Maintenance of Cargo Facility	Annual Maintenance of Cargo Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 40,000
MM	Annual Maintenance of Parking Structure	Maintenance and Repairs of Parking Structure	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000
MM	Annual Repairs to Terrazzo Floor	Repair / Replace Terrazzo Floor in Terminal Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000
MM	Annual Clean-Out of Oil/Water Separator	Cleaning of oil/water separator	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000
MM	Annual Snow Removal	Annual Snow Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000
MM	Annual R/W & T/W Painting	Annual Runway and Taxiway Painting & Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000
MM	Annual Rubber Removal	Annual Rubber Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
MM	Annual Aircraft Parking Maintenance	Annual Cleaning and Painting of Aircraft Parking Gates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000
MM	Annual Sealcoat of Airfield Asphalt	Sealcoat & Crack Seal Runway Shoulders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000
MM	Annual Rehabilitation of Landside Asphalt Pavement	Rehabilitate Asphalt Pavements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
MM	Annual Sealcoat of Vehicle Parking Areas	Sealcoat & Crack Seal Asphalt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	IRRA	
MM	Annual Rehabilitation of Airfield Service Roads	Rehabilitation & Repair of Airfield Perimeter Service Roads	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Annual Replacement of Terminal Windows	Replacement of Failed Windows in Terminal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000
MM	Install Terminal Roadway Signage	Install Replacement and New Terminal Roadway Signs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
MM	Annual Purchase of Software Licensing	Annual Licensing and Maintenance Support of Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 300,000
MM	Annual Replacement of Airfield Signage	Replacement of Airfield Signage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000
MM	Refinish Building Soffit	Refinish Lower Level Terminal Building Soffit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 425,000	\$ 425,000
MM	Upgrade Office Lighting & Controls - Maintenance	Upgrade Office and Conference Room Lighting & Controls - Maint. Facility	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Survey Runway Approaches & Remove Obstructions	Survey Approaches & Clear Trees within Approach /Departure Paths	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000
2019		SUB-TOTAL MAJOR MAINTENANCE (SDF)	\$ -	\$ 7,290,000	\$ -	\$ -	\$ -	\$ -	\$ 4,210,000	\$ 11,500,000
2019		TOTAL CAPITAL, CAPITAL EQUIPMENT & MAJOR MAINTENANCE	\$ -	\$ 14,683,500	\$ 675,000	\$ 4,500,000	\$ -	\$ 632,500	\$ 8,254,000	\$ 28,745,000
SUMMARY TOTAL			\$19,858,500					\$0	\$8,886,500	

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST	
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	LRMA		
Bowman Field (LOU) - 2019											
C	Rehabilitate Airfield Pavement	Rehabilitate Airfield Apron along Taxiway 'H', Remove Asphalt adjacent to ATCT	\$ -	\$ 585,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000	\$ 650,000	
C	Redesignate Airfield Sign Nomenclature	Conduct Signage Study for Redesignation of Airfield	\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 500,000	
C	Conduct Assessment of Building Envelope Failures	Conduct Assessment and Design Repairs to Eliminate Infiltration, Condensation, Leaks	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000	
C	Replace Security Fencing	Replace Security Fencing at Bowman Field (multi-year effort)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000	
C	Purchase Avigation Easements/ Remove Obstructions	Bowman Field Area Safety Program - Obstruction Removal	\$ -	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 1,000,000	
C	Repair/Renovate Bowman Business Center Restroom Facilities	Renovate Public Restroom Facilities	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	
C	Construct Tenant Related Projects	Miscellaneous Improvements Requested by Various Tenants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 40,000	
2019 SUB-TOTAL CAPITAL PROJECTS (LOU)			\$ -	\$ 1,935,000	\$ -	\$ -	\$ -	\$ -	\$ 705,000	\$ 2,640,000	
MM	Update Airfield Electrical System	Replace Airfield Regulator, Lighting Cable, Fixtures & Signs - Phase II, Construction	\$ -	\$ 1,125,000	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 1,250,000	
MM	Sealcoat Airport Pavements	Crack Seal and Sealcoat Various Airfield Pavements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000	
MM	Reconstruct Roadways/Parking Lots	Reconstruct Asphalt Roadways and Parking Areas & Sealcoat	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000	
MM	Clean-Out Oil/Water Separator	Cleaning of Oil/Water Separator	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500	\$ 2,500	
MM	Repair of Facility Roof Systems	Repair / Replace Hangar Roof Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000	
MM	Conduct Storm Sewer Inspection	Conduct Inspection & Mapping of Major Storm Water Conveyance Piping (Airfield)	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 150,000	
2019 SUB-TOTAL MAJOR MAINTENANCE (LOU)			\$ -	\$ 1,260,000	\$ -	\$ -	\$ -	\$ -	\$ 392,500	\$ 1,652,500	
2019 TOTAL CAPITAL, CAPITAL EQUIPMENT & MAJOR MAINTENANCE			\$ -	\$ 3,195,000	\$ -	\$ -	\$ -	\$ -	\$ 1,097,500	\$ 4,292,500	
SUMMARY PAGE TOTAL			\$3,195,000						\$0	\$1,097,500	

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES						TOTAL COST	
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC-/CCF's		IMAA
Louisville International Airport (SDF) - 2020										
C	Construct Taxiway Connector to Northwest Quadrant Airfield	Design and Construction of a Connecting Taxiway from Taxiway 'A' to Northwest Quadrant	\$ -	\$ 2,700,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 3,000,000
C	Redesignate Airfield Sign Nomenclature	Conduct Signage Study for Redesignation of Airfield Signage	\$ -	\$ 540,000	\$ -	\$ -	\$ -	\$ -	\$ 60,000	\$ 600,000
C	Install Secondary Airfield Vault and Electrical Service, Phase I- Design	Secondary Airfield Vault & Electrical Service Redundancy Study	\$ -	\$ 270,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 300,000
C	Construct Maintenance Equipment Storage Building	Storage for Snow Removal Equipment & Sand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 400,000
C	Renovate Airport Terminal Building	Terminal Improvement Pogram (Phase II), Restrooms, Technology Enhancements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,500,000	\$ 8,500,000
C	Purchase OCIP	Owner Control Insurance Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
C	Construct Tenant Related Modifications	Miscellaneous Improvements Requested by Various Tenants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000
2020 SUB-TOTAL CAPITAL PROJECTS (SDF)			\$ -	\$ 3,510,000	\$ -	\$ -	\$ -	\$ -	\$ 9,390,000	\$ 12,900,000
CE	Acquire PSO Gear	Annual Replacement of Gear	\$ -	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$ 10,000
CE	Upgrade PC Equipment	Replace Computer Hardware Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
CE	Replace Fuel Pumps	Replace Vehicle Fuel Pumps at Louisville International Airport	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000
CE	Annual Fleet Replacement	Fleet Management Plan will determine detailed listing of units to be replaced	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000	\$ 1,250,000
CE	Replace Terminal Furniture	Annual Purchase of Replacement Furniture at Terminal Gates/Waiting Areas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
CE	Purchase CCTV Equipment	Upgrade Maintenance Facility CCTV System (Phase II)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ 80,000
CE	Replace Revenue Control Equipment	Replace Parking Garage Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000
CE	Construct Liquid Storage Facility	Design and Construct Airfield Potassium Acetate Storage Facility	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,000	\$ 185,000
2020 SUB-TOTAL CAPITAL EQUIPMENT (SDF)			\$ -	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ 2,241,000	\$ 2,250,000

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	IRRA	
MM	Rehabilitate Airfield Pavement	Repair / Replace Airfield Pavement identified in Pavement Management Program	\$ -	\$ -	\$ 3,150,000	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000
MM	Update Airfield Electrical System	Replace Runway & Taxiway Fixtures, Cable and Signs	\$ -	\$ -	\$ 2,250,000	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000
MM	Maintain EMAS Bed	Annual Maintenance of the EMAS Bed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
MM	Annual Maintenance of Roadways & Bridges	Annual Maintenance and Repair of Terminal Circulation Roadways & Bridges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
MM	Replace Roof on Maintenance Building	Replace Roof on Maintenance Facility	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000
MM	Annual Upgrade of ILBS	Upgrades required for ILBS system	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
MM	Annual Replacement of Terminal Hydrants	Replace Fire Hydrants on Terminal Apron	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
MM	Annual Maintenance of Cargo Facility	Annual Maintenance of Cargo Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000
MM	Annual Maintenance of Parking Structure	Maintenance and Repair of Parking Structure	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
MM	Annual Repair/Replace Terrazzo Floor	Repair / Replace cracked Terrazzo Floor in Terminal Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
MM	Annual Replacement of Water Valves	Replace Water Valves on Terminal Apron	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
MM	Annual Clean-Out of Oil/Water Separator	Cleaning of oil/water separator	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000
MM	Annual Snow Removal	Annual Snow Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000
MM	Annual R/W & T/W Painting	Annual Runway and Taxiway painting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
MM	Annual Rubber Removal	Annual Rubber Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
MM	Annual Aircraft Parking Maintenance	Annual Cleaning and Painting of Aircraft Parking Gates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
MM	Annual Sealcoat of Airfield Asphalt	Sealcoat & Crack Seal Runway Shoulders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
MM	Annual Repair of Airfield Pavement Joints	Repair and Replacement of Airfield Concrete Joints	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
MM	Rehabilitate Airport Parking Surface Lots	Rehabilitate Asphalt Surface Parking Lot	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 525,000

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	IRRA	
MM	Annual Sealcoat of Vehicle Parking Areas	Sealcoat & Crack Seal Asphalt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
MM	Annual Replacement of Terminal Windows	Replacement of Failed Windows in Terminal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
MM	Annual Replacement of Airfield Signage	Replacement of Airfield Signage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
MM	Update Arc Flash Study	Update Terminal Arc Flash Study	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
MM	Survey Runway Approaches & Remove Obstructions	Survey Approaches & Clear Trees within Approach /Departure Paths	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
2020	SUB-TOTAL MAJOR MAINTENANCE (SDF)		\$ -	\$ 5,400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,780,000
2020	TOTAL CAPITAL, CAPITAL EQUIPMENT & MAJOR MAINTENANCE		\$ -	\$ 8,919,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,930,000
SUMMARY TOTAL			\$8,919,000				\$0	\$16,011,000		

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST	
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	LRAX		
Bowman Field (LOU) 2020											
C	Rehabilitate Airfield Pavement	Rehabilitate Airfield Taxiways and Aprons	\$ -	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 350,000	
C	Replace Security Fencing	Replace Security Fencing at Bowman Field (multi-year effort)	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 150,000	
C	Complete Renovations to Bowman Administration Building	Reconstruct Stairway	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000	
C	Construct T-Hangars	Construct 10 units in the new T-hangar area	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000	\$ 1,750,000	
C	Construct Tenant Related Projects	Miscellaneous Improvements Requested by Various Tenants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ 55,000	
2020			\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 2,055,000	\$ 2,505,000	
MM	Repair/Replace Asphalt Pavement	Replacement of Terminal Building / Central American Parking Lots	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000	
2020			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,000	\$ 78,000	
2020			\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 2,133,000	\$ 2,583,000	
SUMMARY PAGE TOTAL			\$450,000				\$0		\$2,133,000		

Louisville Regional Airport Authority - Capital Improvement Plan



Code**	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST								
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	LRRA									
Louisville International Airport (SDF) - 2021																		
C	Install Secondary Airfield Vault and Electrical Service, Phase II- Construction	Construct Secondary Airfield Vault & Secondary Feed Electric Service	\$	-	\$	3,600,000	\$	-	\$	-	\$	400,000	\$	4,000,000				
C	Extend Taxiway "D"	Extension of Taxiway "D" to Tenant Facility	\$	-	\$	4,500,000	\$	-	\$	-	\$	-	\$	5,000,000				
C	Continue Part 150 Sound Insulation	Sound Insulate Facilities Identified North of West Runway	\$	-	\$	-	\$	-	\$	1,800,000	\$	-	\$	2,000,000				
C	Purchase OCIP	Owner Control Insurance Plan	\$	-	\$	-	\$	-	\$	-	\$	-	\$	25,000				
C	Expand Terminal Apron	Expand Terminal Apron (East Side)	\$	-	\$	3,375,000	\$	-	\$	-	\$	-	\$	3,750,000				
C	Rehabilitate & Widen Taxiway "G"	Rehabilitate Taxiway "G"	\$	-	\$	3,735,000	\$	-	\$	-	\$	-	\$	4,150,000				
C	Construct Tenant Related Projects	Miscellaneous Improvements Requested by Various Tenants	\$	-	\$	-	\$	-	\$	-	\$	-	\$	50,000				
2021			\$	-	\$	15,210,000	\$	-	\$	1,800,000	\$	-	\$	200,000	\$	1,765,000	\$	18,975,000
CE	PSO Gear	Annual Replacement of Gear	\$	-	\$	9,000	\$	-	\$	-	\$	-	\$	-	\$	1,000	\$	10,000
CE	Upgrade PC Equipment	Replace Computer Hardware Systems	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	100,000	\$	100,000
CE	Replace Terminal PA System	Replace PA System in Terminal Building	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	125,000	\$	125,000
CE	Annual Fleet Replacement	Fleet Management Plan will determine detailed listing of units to be replaced	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	1,450,000	\$	1,450,000
CE	Furniture Purchase	Annual Furniture Replacement	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	50,000	\$	50,000
2021			\$	-	\$	9,000	\$	-	\$	-	\$	-	\$	-	\$	1,726,000	\$	1,735,000
MM	Rehabilitate Airfield Pavement	Repair / Replace Airfield Pavement identified in Pavement Management Program	\$	-	\$	2,700,000	\$	-	\$	-	\$	-	\$	-	\$	300,000	\$	3,000,000
MM	Update Airfield Electrical System	Replace Runway & Taxiway Fixtures, Cable and Signs	\$	-	\$	1,800,000	\$	-	\$	-	\$	-	\$	-	\$	200,000	\$	2,000,000
MM	Maintain EMAS Bed	Annual Maintenance of the EMAS Bed	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	125,000	\$	125,000
MM	Annual Maintenance of Roadways & Bridges	Annual Maintenance and Repair of Terminal Circulation Roadways & Bridges	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	175,000	\$	175,000
MM	Annual Repair of Facility Roofs	Annual Roof Repair and Maintenance	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	25,000	\$	25,000
MM	Annual Upgrade of ILBS	Upgrades required for ILBS system	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	150,000	\$	150,000
MM	Annual Maintenance of Cargo Facility	Annual Maintenance of Cargo Building	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	40,000	\$	40,000
MM	Annual Maintenance of Parking Structure	Maintenance and Inspection of Parking Structure	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	175,000	\$	175,000
MM	Annual Repair / Replace Terrazo Floor	Repair / Replace Terrazo Floor in Terminal Building	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	150,000	\$	150,000

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	FFC%/CCF%	LRRA	
MM	Rehabilitation of Airport Service Roads	Rehabilitation of Airfield West Perimeter Road	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
MM	Annual Clean-Out of Oil/Water Separator	Cleaning of oil/water separator	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000
MM	Annual Snow Removal	Annual Snow Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
MM	Annual R/W & T/W Painting	Annual Runway and Taxiway painting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000
MM	Annual Rubber Removal	Annual Rubber Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
MM	Annual Aircraft Parking Maintenance	Annual Cleaning and Painting of Aircraft Parking Gates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
MM	Annual Repair of Airfield Pavement Joints	Repair and Replacement of Airfield Concrete Joints	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
MM	Annual Sealcoat of Airfield Asphalt	Sealcoat & Crack Seal Runway Shoulders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
MM	Annual Sealcoat of Vehicle Parking Areas	Sealcoat & Crack Seal Asphalt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
MM	Annual Replacement of Terminal Windows	Replacement of Failed Windows in Terminal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
MM	Annual Replacement of Airfield Signage	Replacement of Airfield Signage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
MM	Rehabilitation of Asphalt Parking Lots	Rehabilitation of Credit Card Parking Lot - Parking Operations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000
MM	Automate Airfield Access Gate D4	Automate and Electrify Gate D4 for Maintenance Access	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
MM	Improve Water System	Water System Redundancy - Construction of Redundant Water System	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
2021		SUB-TOTAL MAJOR MAINTENANCE (SDF)	\$ -	\$ 4,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,635,000
2021		TOTAL CAPITAL, CAPITAL EQUIPMENT & MAJOR MAINTENANCE	\$ -	\$ 19,719,000	\$ -	\$ 1,800,000	\$ -	\$ 200,000	\$ -	\$ 30,845,000
SUMMARY PAGE TOTAL			\$21,519,000				\$0	\$9,326,000		

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST	
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	LRRA		
Bowman Field (LOU) - 2021											
C	Construct Parallel Taxiway	Construction Parallel Taxiway "K", Runway 15-33 (North of Runway 6-24)	\$ -	\$ 3,150,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ 3,500,000	
C	Replace Security Fencing	Replace existing fencing at Bowman Field - multi-year effort	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000	\$ 75,000	
C	Replace Facility Roof Systems	Replace Hangar Roof (Central American Roof)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	
C	Hangar Development Area	Design and Construct South Hangar Development Area (Utilities)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 500,000	
C	Construct Tenant Related Projects	Miscellaneous Improvements Requested by Various Tenants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000	
2021			\$ -	\$ 3,150,000	\$ -	\$ -	\$ -	\$ -	\$ 1,050,000	\$ 4,200,000	
MM	Repair Asphalt Access Roads	Resurface Access Roads (from Cannons Lane to Gast Blvd)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 575,000	\$ 575,000	
MM	Oil/water Separator Clean-out	Cleaning of Oil / Water separator	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500	\$ 2,500	
2021			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 577,500	\$ 577,500	
2021			\$ -	\$ 3,150,000	\$ -	\$ -	\$ -	\$ -	\$ 1,627,500	\$ 4,777,500	
SUMMARY PAGE TOTAL			\$3,150,000						\$0	\$1,627,500	

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST	
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	IRRA		
Louisville International Airport (SDF) 2022											
C	Conduct Terminal Area Planning Study	Long Range Planning Study for Passenger Terminal & Aprons	\$ 630,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ 700,000	
C	Continue Part 150 Sound Insulation	Sound Insulate Facilities Identified North of West Runway	\$ -	\$ -	\$ -	\$ 1,800,000	\$ -	\$ 200,000	\$ -	\$ 2,000,000	
C	Conduct Pavement Condition Index Study	Conduct PCI Update	\$ -	\$ 495,000	\$ -	\$ -	\$ -	\$ -	\$ 55,000	\$ 550,000	
C	Conduct Master Plan Update	Update Master Plan & LIDAR Survey (AGIS)	\$ -	\$ 1,350,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 1,500,000	
C	Construct Rental Car Parking Garage	Construct New Parking Garage for Rental Car Operation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000	\$ 15,000,000	\$ 20,000,000	
C	Replace Airport Perimeter Fence	Replace Airport Perimeter Fence (Year 1 of 5), New Technology	\$ -	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 2,000,000	
C	Construct Noise Attenuation Facility	Construct Joint Use Noise Attenuation Facility	\$ -	\$ 4,500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000	\$ 5,000,000	
C	Conduct Storm Sewer Inspection	Inspect Storm Sewer System	\$ -	\$ 270,000	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 300,000	
C	Purchase OCIP	Owner Control Insurance Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000	
C	Construct Tenant Related Modifications	Miscellaneous Improvements Requested by Various Tenants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ 80,000	
	2022	SUB-TOTAL CAPITAL PROJECTS (SDF)	\$ 630,000	\$ 8,415,000	\$ -	\$ 1,800,000	\$ -	\$ 5,200,000	\$ 16,135,000	\$ 32,180,000	
CE	PSO Gear	Annual Replacement of Gear	\$ -	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$ 10,000	
CE	Replace CCTV Equipment	Replace CCTV Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000	
CE	Upgrade PC Equipment	Replace Computer Hardware Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000	
CE	Purchase Equipment	Replace Asset #1034, 2002 Masey Enclosed Cab Tractor (Maintenance)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 80,000	\$ 80,000	
CE	Furniture Purchase	Purchase Replacement Furniture for Terminal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000	
	2022	SUB-TOTAL CAPITAL EQUIPMENT (SDF)	\$ -	\$ 9,000	\$ -	\$ -	\$ -	\$ -	\$ 261,000	\$ 270,000	

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	IRMA	
MM	Rehabilitate Taxiway Shoulders	Rehabilitate Taxiway Asphalt Shoulders	\$ -	\$ 2,250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 2,500,000
MM	Rehabilitate Airfield Pavement	Repair / Replace Airfield Pavement identified in Pavement Management Program	\$ -	\$ 3,600,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ 4,000,000
MM	Update Airfield Electrical System	Replace Runway & Taxiway Fixtures, Cable and Signs	\$ -	\$ 2,700,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ 3,000,000
MM	Maintain EMAS Bed	Annual Maintenance of the EMAS Bed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
MM	Annual Maintenance of Roadways & Bridges	Annual Maintenance and Repair of Terminal Circulation Roadways & Bridges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,000	\$ 175,000
MM	Annual Repair of Facility Roofs	Annual Roof Repair and Maintenance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
MM	Annual Upgrade of ILBS	Upgrades Required for ILBS system	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000
MM	Annual Replacement of Terminal Hydrants	Replace Fire Hydrants on Terminal Apron	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Annual Maintenance of Cargo Facility	Annual Maintenance of Cargo Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 40,000
MM	Annual Maintenance of Parking Structure	Maintenance and Inspection of Parking Structure	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000
MM	Annual Repair / Replace Terrazzo Floor	Repair / Replace Terrazzo Floor in Terminal Building	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000
MM	Rehabilitate East Perimeter Road	Resurface/ Rehabilitate Asphalt Pavement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 375,000	\$ 375,000
MM	Annual Clean-Out of Oil/Water Separator	Cleaning of Oil/Water Separator	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,000	\$ 15,000
MM	Annual Snow Removal	Annual Snow Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000
MM	Annual R/W & T/W Painting	Annual Runway and Taxiway painting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000	\$ 325,000
MM	Annual Rubber Removal	Annual Rubber Removal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000
MM	Annual Aircraft Parking Maintenance	Annual Cleaning and Painting of Aircraft Parking Gates	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 30,000
MM	Annual Repair of Airfield Pavement Joints	Repair and Replacement of Airfield Concrete Joints	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000
MM	Annual Sealcoat of Airfield Asphalt	Sealcoat & Crack Seal Runway Shoulders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	LRRA	
MM	Annual Sealcoat of Vehicle Parking Areas	Sealcoat & Crack Seal Asphalt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
MM	Annual Replacement of Terminal Windows	Replacement of Failed Windows in Terminal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000
MM	Annual Replacement of Airfield Signage	Replacement of Airfield Signage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
MM	Improve Water System	Water System Redundancy Study - Design and Construction of Redundant Water System	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000
MM	Improve Electrical Supply Distribution	Electrical System Redundancy Study and Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
2022		SUB-TOTAL MAJOR MAINTENANCE (SDF)	\$ -	\$ 8,550,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,635,000
2022		TOTAL CAPITAL, CAPITAL EQUIPMENT & MAJOR MAINTENANCE	\$ 630,000	\$ 16,974,000	\$ -	\$ 1,800,000	\$ -	\$ 5,200,000	\$ 21,031,000	\$ 45,635,000
SUMMARY PAGE TOTAL			\$19,404,000				\$0	\$26,231,000		

Louisville Regional Airport Authority - Capital Improvement Plan



Code*	PROJECT	PROJECT DESCRIPTION	FUNDING SOURCES							TOTAL COST	
			Federal Discretionary	Federal Entitlement	Part 150 Relocation	Part 150 Sound Insul.	State	PFC's/CCF's	IRRA		
Bowman Field (LOU) - 2022											
C	Rehabilitate Airfield Pavement	Rehabilitation of Various Asphalt Pavement	\$ -	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000	\$ 350,000	
C	Replace Security Fencing	Replace existing fencing at Bowman Field - multi-year effort	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000	
C	Rehabilitate Maintenance Parking Area	Rehabilitate Parking & Storage Lot	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	
C	Rehabilitate Runway 6-24	Rehabilitate Runway 6-24	\$ -	\$ 3,150,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000	\$ 3,500,000	
C	T-Hangar Development	Design & Construct New T-Hangar Site at Bowman Field (Northwest Quadrant)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000	\$ 1,250,000	
C	Conduct Airport Layout Plan Update	Update Terminal Area Airport Layout Plan	\$ -	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 500,000	
C	Construct Tenant Related Modifications	Miscellaneous Improvements Requested by Various Tenants	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000	
2022			\$ -	\$ 3,915,000	\$ -	\$ -	\$ -	\$ -	\$ 1,985,000	\$ 5,900,000	
MM	Rehabilitate Asphalt Pavement	Rehabilitation of Various Asphalt Pavement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ 150,000	
MM	Oil/Water Separator Clean-out	Cleaning of Oil/Water Separator	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,500	\$ 2,500	
2022			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 402,500	\$ 402,500	
2022			\$ -	\$ 3,915,000	\$ -	\$ -	\$ -	\$ -	\$ 2,387,500	\$ 6,302,500	
SUMMARY PAGE TOTAL			\$3,915,000				\$0		\$2,387,500		

Louisville Regional Airport Authority

2018-2022 Airport Capital Improvement Plan

Louisville International Airport (SDF) Bowman Field (LOU)		Funding Sources by Federal Fiscal Year				
		2018	2019	2020	2021	2022
AIP Entitlements (SDF)*						
Passenger		\$4,670,297	\$4,400,000	\$4,400,000	\$4,500,000	\$4,500,000
Cargo		\$8,968,900	\$8,800,000	\$8,800,000	\$8,900,000	\$8,900,000
Non-Primary Entitlements (LOU)		\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
AIP Discretionary		\$0	\$0	\$0	\$0	\$0
State Participation		\$0	\$0	\$0	\$0	\$0
Carryover Funding (Balance)		\$12,331,542	\$15,424,239	\$10,895,739	\$14,876,739	\$5,557,739
Noise Compatibility Program		\$2,745,000	\$5,175,000	\$0	\$1,800,000	\$1,800,000
Total FAA Funding Anticipated		\$28,865,739	\$33,949,239	\$24,245,739	\$30,226,739	\$20,907,739
NPIAS (SDF) 21-0031, NPIAS (LOU) 30-0002						
Total Project Amount (Estimate)						
Total Federal Share 90%						
Total LRAA Contribution 10%**						
Federal Share						
Federal Share						
Federal Share						
Federal Share						
Federal Share						
LRAA-FY						
FAA Funded Projects by RAA Budget Year						
(7/1/17 to 6/30/18)						
LRAA FY 2018						
FY 18	Update Airport Operations Plan- Group VI Aircraft	\$ 3,500,000	\$ 3,150,000	\$ 350,000	\$ 3,150,000	
FY 18	Rehabilitation & Expansion of Terminal Apron	\$ 2,500,000	\$ 2,250,000	\$ 250,000	\$ 2,250,000	
FY 18	Continue Sound Insulation Program	\$ 3,000,000	\$ 2,700,000	\$ 300,000	\$ 2,700,000	
FY 18	Rehabilitate Airfield Pavement	\$ 2,500,000	\$ 2,250,000	\$ 250,000	\$ 2,250,000	
FY 18	Update Airfield Electrical System	\$ 2,250,000	\$ 2,025,000	\$ 225,000	\$ 2,025,000	
FY 18	Acquire PSO Gear	\$ 10,000	\$ 9,000	\$ 1,000	\$ 9,000	
FY 18	Replace Noise Monitoring Equipment	\$ 50,000	\$ 45,000	\$ 5,000	\$ 45,000	
FY 18	Replace Asset #805, 1997 Oshkosh Runway Sweeper	\$ 525,000	\$ 472,500	\$ 52,500	\$ 472,500	
FY18(LOU)	Rehabilitation of Airfield Pavement	\$ 425,000	\$ 382,500	\$ 42,500	\$ 382,500	
FY18(LOU)	Update Airfield Electrical System	\$ 175,000	\$ 157,500	\$ 17,500	\$ 157,500	
Sub-Total		\$ 14,935,000	\$ 13,441,500	\$ 1,521,000		
(7/1/18 to 6/30/19)						
LRAA FY 2019						
FY19	Rehabilitate Terminal Ramp	\$ 3,500,000	\$ 3,150,000	\$ 350,000		
FY19	Rehabilitate Runway & Taxiway Shoulders	\$ 750,000	\$ 675,000	\$ 75,000	\$ 675,000	
FY19	Replace Airport Perimeter Fence	\$ 630,000	\$ 567,000	\$ 63,000	\$ 567,000	
FY19	Rehabilitate Taxiway "N"	\$ 2,750,000	\$ 2,475,000	\$ 275,000	\$ 2,475,000	
FY19	Prepare Airport Layout Plan Update	\$ 575,000	\$ 517,500	\$ 57,500	\$ 517,500	
FY19	Continue Part 150 Sound Insulation	\$ 5,000,000	\$ 4,500,000	\$ 500,000	\$ 4,500,000	
FY19	Continue Part 150 Land Acquisition	\$ 750,000	\$ 675,000	\$ 75,000	\$ 675,000	
FY19	Acquire PSO Gear	\$ 10,000	\$ 9,000	\$ 1,000	\$ 9,000	
FY19	Rehabilitate Airfield Pavement	\$ 3,600,000	\$ 3,240,000	\$ 360,000	\$ 3,240,000	
FY19	Update Airfield Electrical System	\$ 4,500,000	\$ 4,050,000	\$ 450,000	\$ 4,050,000	
FY19(LOU)	Rehabilitate Airfield Pavement	\$ 650,000	\$ 585,000	\$ 65,000	\$ 585,000	
FY19(LOU)	Redesignate Airfield Sign Nomenclature	\$ 500,000	\$ 450,000	\$ 50,000	\$ 450,000	
FY19(LOU)	Purchase Avigation Easements/ Remove Obstructions	\$ 1,000,000	\$ 900,000	\$ 100,000	\$ 900,000	
FY19(LOU)	Conduct Storm Sewer Inspection	\$ 150,000	\$ 135,000	\$ 15,000	\$ 135,000	
FY19(LOU)	Update Airfield Electrical System	\$ 1,250,000	\$ 1,125,000	\$ 125,000	\$ 1,125,000	
Sub-Total		\$ 25,615,000	\$ 23,053,500	\$ 2,561,500		
(7/1/19 to 6/30/20)						
LRAA FY 2020						
FY20	Construct Taxiway Connection - Northwest Quadrant	\$ 3,000,000	\$ 2,700,000	\$ 300,000		
FY20	Redesignate Airfield Sign Nomenclature	\$ 600,000	\$ 540,000	\$ 60,000	\$ 540,000	
FY20	Design Secondary Airfield Vault and Electric Service	\$ 300,000	\$ 270,000	\$ 30,000	\$ 270,000	
FY20	Acquire PSO Gear	\$ 10,000	\$ 9,000	\$ 1,000	\$ 9,000	
FY20	Rehabilitate Airfield Pavement	\$ 3,500,000	\$ 3,150,000	\$ 350,000	\$ 3,150,000	
FY20	Update Airfield Electrical System	\$ 2,500,000	\$ 2,250,000	\$ 250,000	\$ 2,250,000	
FY20(LOU)	Rehabilitate Airfield Pavement	\$ 350,000	\$ 315,000	\$ 35,000	\$ 315,000	
FY20(LOU)	Replace Security Fence	\$ 150,000	\$ 135,000	\$ 15,000	\$ 135,000	
Sub-Total		\$ 10,410,000	\$ 9,369,000	\$ 1,041,000		
(7/1/20 to 6/30/21)						
LRAA FY 2021						
FY21	Construct Airfield Electrical Vault & Electric Service	\$ 4,000,000	\$ 3,600,000	\$ 400,000		
FY21	Extend Taxiway "D"	\$ 5,000,000	\$ 4,500,000	\$ 500,000		
FY21	Expand Terminal Apron	\$ 3,750,000	\$ 3,375,000	\$ 375,000	\$ 3,375,000	
FY21	Rehabilitate & Widen Taxiway "G"	\$ 4,150,000	\$ 3,735,000	\$ 415,000	\$ 3,735,000	
FY21	Continue Part 150 Sound Insulation	\$ 2,000,000	\$ 1,800,000	\$ 200,000	\$ 1,800,000	
FY21	Acquire PSO Gear	\$ 10,000	\$ 9,000	\$ 1,000	\$ 9,000	
FY21	Rehabilitate Airfield Pavement	\$ 3,000,000	\$ 2,700,000	\$ 300,000	\$ 2,700,000	
FY21	Update Airfield Electrical System	\$ 2,000,000	\$ 1,800,000	\$ 200,000	\$ 1,800,000	
FY21(LOU)	Construct Parallel Taxiway "K"	\$ 3,500,000	\$ 3,150,000	\$ 350,000	\$ 3,150,000	
Sub-Total		\$ 27,410,000	\$ 24,669,000	\$ 2,741,000		
(7/1/21 to 6/30/22)						
LRAA FY 2022						
FY22	Conduct Terminal Planning Study	\$ 700,000	\$ 630,000	\$ 70,000		
FY22	Continue Part 150 Sound Insulation	\$ 2,000,000	\$ 1,800,000	\$ 200,000		\$ 630,000
FY22	Conduct Pavement Condition Index Study (PMP)	\$ 550,000	\$ 495,000	\$ 55,000		\$ 1,800,000
FY22	Conduct Master Plan Update	\$ 1,500,000	\$ 1,350,000	\$ 150,000		\$ 495,000
FY22	Replace Airport Perimeter Fence	\$ 2,000,000	\$ 1,800,000	\$ 200,000		\$ 1,350,000
FY22	Construct Noise Attenuation Facility	\$ 5,000,000	\$ 4,500,000	\$ 500,000		\$ 1,800,000
FY22	Conduct Storm Sewer Inspection	\$ 300,000	\$ 270,000	\$ 30,000		\$ 4,500,000
FY22	Acquire PSO Gear	\$ 10,000	\$ 9,000	\$ 1,000		\$ 270,000
FY22	Rehabilitate Taxiway Shoulders	\$ 2,500,000	\$ 2,250,000	\$ 250,000		\$ 9,000
FY22	Rehabilitate Airfield Pavement	\$ 4,000,000	\$ 3,600,000	\$ 400,000		\$ 2,250,000
FY22	Update Airfield Electrical System	\$ 3,000,000	\$ 2,700,000	\$ 300,000		\$ 3,600,000
FY22(LOU)	Conduct Airport Layout Plan Update	\$ 500,000	\$ 450,000	\$ 50,000		\$ 2,700,000
FY22(LOU)	Rehabilitate Airfield Pavement	\$ 350,000	\$ 315,000	\$ 35,000		\$ 450,000
FY22(LOU)	Rehabilitate Runway 6-24	\$ 3,500,000	\$ 3,150,000	\$ 350,000		\$ 315,000
Sub-Total		\$ 25,910,000	\$ 23,319,000	\$ 2,591,000		\$ 3,150,000
Total Federal Share of Projects Planned						
Total FAA Funding Anticipated*						
Remaining FAA Funds (Carryover Funding)						
Total Federal Funding Planned (SDF)		\$ 13,441,500	\$ 19,858,500	\$ 8,919,000	\$ 21,519,000	\$ 19,404,000
Total Federal Funding Planned (LOU)		\$ 540,000	\$ 3,195,000	\$ 450,000	\$ 3,150,000	\$ 3,915,000

* Denotes Estimated Amount Federal Fiscal Year

** Includes PFC Funding, where eligible

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January 23, 2017

To: Charles T. "Skip" Miller, Executive Director and the
Louisville Regional Airport Authority Board of Directors

Subject: UPS 2016 Peak Operations

UPS Airline would like to thank the Louisville Regional Airport Authority (LRAA) for their outstanding support during UPS 2016 Peak Operations.

When UPS Founder Jim Casey said, "We need people who can do what has never been done before," he was talking about all the team players it takes to execute operations like UPS had this year. With no exception, this includes our partners at the LRAA.

Overall, UPS shipped 700 million packages this holiday season – yes, 700 million, and that's truly something that has never been done before. At SDF, UPS experienced up to a 17% increase in air volume. And for the first time during peak operations, we utilized multiple B747-8 leased aircraft.

This could not have been done without the outstanding preparation and daily support of the LRAA, including Deputy Executive Director & Chief Operating Officer Steve Petty, Operations Manager Suzanne Kimmons, Director of Maintenance Tim Haizlip, and all their dedicated staff, who all played a big part of UPS's success this Peak season.

You know how important Peak is for UPS and at UPS Airlines, we want you to know that we sincerely appreciate the Louisville Regional Airport Authority's hard work and dedication, which was truly reflected in the success of UPS Peak 2016 operations.

A handwritten signature in black ink, reading "Brendan Canavan". The signature is fluid and cursive, with the first name "Brendan" being larger and more prominent than the last name "Canavan".

Brendan Canavan
UPS Airlines President