CITY OF COFFEYVILLE
BOARD OF COMMISSIONERS AGENDA ITEM

MEETING DATE	01/10/2017	
RESOLUTION OR ORDINANCE NUMBER	R-17-01	
AGENDA TITLE	Submittal of Airport Capital Improvement Plan (ACIP)	
REQUESTING DEPARTMENT	Engineering	
PRESENTER	Thomas Osborn, Superintendent of Engineering	
FISCAL INFORMATION	Cost as recommended:	
	Budget Line Item:	
	Balance Available	
	New Appropriation Required:	[ ] Yes [x] No
PURPOSE	To present FY 2018 - FY 2022 ACIP submission to FAA for final commission approval.	
BACKGROUND	The FAA each year awards $150,000 in entitlement funds to the City to be used to complete airport improvement projects with a 10% match from the city. These funds can be banked for up to 4 years for a total of $600,000 of FAA Funds. Each year in February the city submits an updated ACIP to the FAA. It is from this submittal that project funding is approved for use as well as any other FAA grant funds that might be available.	
SPECIAL NOTES	All FAA funds require a 10% match from the City.	
ANALYSIS		
PUBLIC INFORMATION PROCESS	N/A	

BOARD OR COMMISSION RECOMMENDATION	N/A
STAFF RECOMMENDATION	Staff recommends that we submit the ACIP projects in the order listed below FY 2018. Runway 17-35 crack seal, overlay, and pavement markings. 2019. Runway 4-22 crack seal, overlay, and pavement markings. 2020. Perimeter Fencing Improvements. 2021. Parallel Taxiway Runway 17 Extension 2022. Concrete Apron Removal. 2023. Taxiway #1 Extension. 2024. New 10 T-hangars and taxiways. 2025. Construct Snow Removal Equipment Building.
REFERENCE DOCUMENTS ATTACHED	FY18 Federal AIP Pre-App Composite.pdf

RESOLUTION NO. R-17-01

A RESOLUTION TO AUTHORIZE THE SUBMISSION OF THE AIRPORT CAPITAL IMPROVEMENT PLAN (ACIP) DATA SHEETS TO THE FEDERAL AVIATION ADMINISTRATION (FAA) FOR CONSIDERATION FOR FUNDING FROM THE FAA, FOR THE FY2018-FY20122 AIRPORT CAPITAL IMPROVEMENT PROGRAM.

BE IT RESOLVED, by the Board of Commissioners of the City of Coffeyville, Kansas, that the Mayor and the City Clerk be and are hereby authorized and directed to execute and submit the Airport Capital Improvement Plan (ACIP) Data Sheets to the Federal Aviation Administration (FAA) for consideration for funding from the FAA FY2018-FY20122 Airport Capital Improvement Plan.

ADOPTED THIS 10th DAY OF January 2017.

_____
Christopher V. Williams, Mayor

ATTEST:

_____
Cindy Price, City Clerk

APPROVED AS TO FORM AND LEGALITY:

_____
Paul Kritz, City Attorney

Coffeyville Municipal Airport	CFV
Airport	FAA Identifier (LOCID)

FEDERAL AIRPORT IMPROVEMENT PROGRAM (AIP)

PRE-APPLICATION FFY 2018

CHECKLIST

Please attach the following documents with your application:

☒ Sponsor Identification Sheet for the Airport
☒ CIP Data Sheet (one for **each** project listed in the first 3 years of the CIP) and detailed cost estimate for each data sheet.
☒ 5-year Capital Improvement Program (CIP)
☒ Long Range Needs Assessment
☒ Verification of an updated ALP (when applying for new construction of buildings or airfield expansion)
☐ Verification of completed environmental processing in accordance with NEPA (either an Environmental Assessment FONSI date or a Categorical Exclusion acceptance).
☐ Verification of completed land acquisition or signed purchase agreement.
☒ Verification of pavement maintenance program (when applying for pavement preservation or reconstruction)
☐ If requesting Federal assistance for snow removal equipment, please include an inventory of the existing equipment and calculations based on Chapters 4 & 5 of the Airport Winter Safety and Operations, Advisory Circular (AC) 150/5200-30 and the Airport Snow and Ice Control Equipment, AC 150/5220-20 showing the minimum equipment needed, along with the ACIP Data Sheet. Include a copy of a completed FAA Snow Plow Design Spreadsheet (request from our office).
☐ If requesting Federal assistance for general aviation apron expansion and reconstruction, include a copy of a completed GA Apron Design spreadsheet (request from our office).
☐ **If requesting pavement reconstruction, submit an engineering report showing the need for the reconstruction as part of the CIP justification.**
☐ For revenue-producing facilities (i.e., **fueling facilities and hangars**), please submit:

1) **a statement that airside development needs are met or include a financial plan to fund airside needs over the next 3 years;**
2) **a statement that all runway approach surfaces are clear of obstructions (the FAA Airport 5010 should show at least a 20:1 clear approach), and;**
3) **justification for the project.**

☒ SAM (https://www.sam.gov/) Registration is up-to-date.

Please email application and supporting documents to jason.knipp@faa.gov

Hardcopies may be snail mailed to:

FAA Airports Division, ACE-611D
Attn: Jason Knipp
901 Locust, Room 364
Kansas City, MO 64106

FEDERAL AIRPORT IMPROVEMENT PROGRAM (AIP)

PRE-APPLICATION FFY 2018

AIRPORT SPONSOR IDENTIFICATION

***** PLEASE ONLY SUBMIT IF YOU HAVE CHANGES FROM PREVIOUS YEAR *****

Airport Name: Coffeyville Municipal Airport

Airport Sponsor Name: City of Coffeyville, Kansas

Contact Person: Thomas Osborn Title: Superintendent of Engineering

Complete Mailing Address: 11 East 2nd Street

Coffeyville KS 67337 Daytime Phone: 620-252-6131
City State ZIP Code

E-mail Address: tosborn@coffeyville.com FAX Number: 620-525-6175

U.S. Congressional District Number: 1

Tax Identification Number: 48-6043317

Dun and Bradstreet Number (DUNS): 04-525-3143

You MUST have a current System for Award Management (SAM) registration to receive a grant
Register at https://www.sam.gov

Please email application and supporting documents to jason.knipp@faa.gov

Hardcopies may be snail mailed to:

FAA Airports Division, ACE-611D
Attn: Jason Knipp
901 Locust, Room 364
Kansas City, MO 64106

Five - Year Capital Improvement Program (CIP)

Airport Name: Coffeyville Municipal Airport Telephone No. 620-252-6127

Date Prepared: January 3, 2017

Project Description	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Rehabilitate Runway 17-35	Federal	$ 2,156,904.00				
	State					
	Local	$ 239,656.00				
	Total	$ 2,396,560.00		$ -	$ -	$ -
Rehabilitate Runway 4-22	Federal		$ 1,482,480.00			
	State					
	Local		$ 164,720.00			
	Total		$ 1,647,200.00	$ -	$ -	$ -
Perimeter Fencing Improvements	Federal			$ 311,999.00		
	State					
	Local			$ 34,667.00		
	Total	$ -		$ 346,666.00	$ -	$ -
Parallel Taxiway Extension	Federal				$ 1,006,776.00	
	State					
	Local				$ 111,864.00	
	Total	$ -	$ -	$ -	$ 1,118,640.00	$ -
Improve Runway Safety Area	Federal					$ 630,000.00
	State					
	Local					$ 70,000.00
	Total	$ -	$ -		$ -	$ 700,000.00
TOTALS	**Federal**	**$ 2,468,903.00**	**$ 1,482,480.00**	**$ 311,999.00**	**$ 1,006,776.00**	**$ 630,000.00**
	State	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	Local	**$ 274,323.00**	**$ 164,720.00**	**$ 34,667.00**	**$ 111,864.00**	**$ 70,000.00**
	Total	**$ 2,743,226.00**	**$ 1,647,200.00**	**$ 346,666.00**	**$ 1,118,640.00**	**$ 700,000.00**

Long Range Needs Assessment
FFY 2023 - FFY 2027

Airport Name: Coffeyville Municipal Airport Telephone No. 620-252-6127

Date Prepared: January 3, 2017

Project Description	Funding Source	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Extend Taxiway #1	Federal	$ 541,926.00				
	State					
	Local	$ 60,214.00				
	Total	$ 602,140.00	$ -	$ -	$ -	$ -
Construct New 10-Unit T-Hangar and Taxilanes	Federal		$ 1,637,604.00			
	State					
	Local		$ 181,956.00			
	Total	$ -	$ 1,819,560.00	$ -	$ -	$ -
Construct Snow Removal Equipment Building	Federal			$ 548,858.70		
	State					
	Local			$ 60,984.30		
	Total	$ -	$ -	$ 609,843.00	$ -	$ -
Improve Access Road	Federal				$ 180,000.00	
	State					
	Local				$ 20,000.00	
	Total	$ -	$ -	$ -	$ 200,000.00	$ -
Remove Abandoned Concrete Apron	Federal					$ 1,569,375.00
	State					
	Local					$ 174,375.00
	Total	$ -	$ -	$ -	$ -	$ 1,743,750.00
TOTALS	**Federal**	**$ 541,926.00**	**$ 1,637,604.00**	**$ 548,858.70**	**$ 180,000.00**	**$ 1,569,375.00**
	State	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
	Local	**$ 60,214.00**	**$ 181,956.00**	**$ 60,984.30**	**$ 20,000.00**	**$ 174,375.00**
	Total	**$ 602,140.00**	**$ 1,819,560.00**	**$ 609,843.00**	**$ 200,000.00**	**$ 1,743,750.00**

ACIP DATA SHEET

AIRPORT	Coffeyville Municipal Airport	LOCID	CFV	LOCAL PRIORITY	1
PROJECT DESCRIPTION	Rehabilitate Runway 17-35			Identify FFY that you desire to construct (FFY: Oct 1 – Sept 30)	2018

SKETCH:

JUSTIFICATION:

The existing Runway 17-35 pavement is in poor condition. This project will be to repair the pavement by milling, crack sealing, and overlaying the pavement to help extend the serviceable life of the pavement.

COST ESTIMATE: (Attach detailed cost estimate)													
Federal	(90%)	**$**	**2,156,904.00**	**State**	( )%	**$**	**0.00**	**Local**	(10%)	**$**	**239,656.00**	**Total**	**$** **2,396,560.00**

SPONSOR'S VERIFICATION:	**Date**	(See instruction sheet)
For each and every project as applicable	**2012**	Date of approved ALP with project shown.
	#(307-312)	Date of environmental determination (ROD, FONSI, CE) or cite CE paragraph in Order 1050.1F
		Date of land acquisition or signed purchase agreement
FAA USE ONLY		Date of pavement maintenance program
FAA Verification: (initial/date)		Snow removal equipment inventory & sizing worksheet (for SRE acquisition)
		Apron sizing worksheet (for apron projects)
		Revenue producing facilities (for fuel farms, hangars, etc.)
		Date statement submitted for completed airside development
		Date statement submitted for runway approaches are clear of obstructions

SPONSOR' SIGNATURE:		Date:	
PRINTED NAME:		Title: Mayor	
PHONE NUMBER:	620-252-6127		

FAA USE ONLY

PREAPP NUMBER	GRANT NUMBER	NPIAS CODE	WORK CODE	FAA PRIORITY	FEDERAL $

ENGINEERS ESTIMATED COST OF CONSTRUCTION
COFFEYVILLE MUNICIPAL AIRPORT
COFFEYVILLE, KANSAS
REHABILITATE RUNWAY 17-35

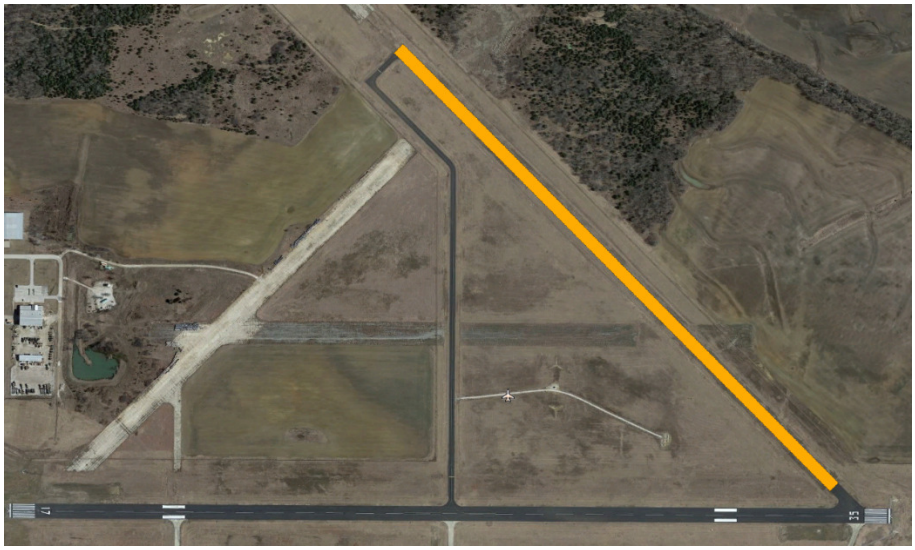
PROJECT NO.: AIP 3-20-XXXX-XX
Burns & McDonnell No. xxx
January 3, 2017

ITEM NO.	FAA ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	TOTAL PROJECT COST		AIP ELIBIGLE COST	TOTAL SPONSOR COST
					UNIT COST	TOTAL	TOTAL	
1		Mobilization	LS	1.00	$188,648.91	$188,648.91	$169,784.02	$18,864.89
2		Traffic Control	LS	1.00	$65,323.59	$65,323.59	$58,791.23	$6,532.36
3		Field Office	LS	1.00	$6,180.00	$6,180.00	$5,562.00	$618.00
4		2" Asphalt Milling	SY	66,500.00	$5.15	$342,475.00	$308,227.50	$34,247.50
5		Crack and Joint Repair	LF	50,000.00	$7.73	$386,250.00	$347,625.00	$38,625.00
6		Geotextile Fabric Separator	SY	66,500.00	$3.09	$205,485.00	$184,936.50	$20,548.50
7		Tack Coat	GAL	10,000.00	$4.12	$41,200.00	$37,080.00	$4,120.00
8		Asphalt Pavement (1 - 2" Lift)	TON	7,700.00	$92.70	$713,790.00	$642,411.00	$71,379.00
9		Seeding	AC	5.00	$1,442.00	$7,210.00	$6,489.00	$721.00
10		Mulching	AC	5.00	$1,236.00	$6,180.00	$5,562.00	$618.00
11		Joint Sealant	LF	1,000.00	$1.55	$1,545.00	$1,390.50	$154.50
12		Pavement Markings (Reflectorized)	SF	40,000.00	$2.06	$82,400.00	$74,160.00	$8,240.00
13		Pavement Markings (Non-Reflectorized)	SF	15,000.00	$1.29	$19,312.50	$17,381.25	$1,931.25
		TOTAL ESTIMATED CONSTRUCTION COST OF BASE BID				**$2,066,000.00**	**$1,859,400.00**	**$206,600.00**
		ESTIMATED DESIGN, CONSTRUCTION, & ADMINISTRATION COST				**$330,560.00**	**$297,504.00**	**$33,056.00**
		TOTAL COST				**$2,396,560.00**	**$2,156,904.00**	**$239,656.00**
		Anticipated date of construction	2018					

ACIP DATA SHEET

AIRPORT	Coffeyville Municipal Airport	LOCID	CFV	LOCAL PRIORITY	2
PROJECT DESCRIPTION	Rehabilitate Runway 4-22			Identify FFY that you desire to construct (FFY: Oct 1 – Sept 30)	2019

SKETCH:



JUSTIFICATION:

The existing Runway 4-22 pavement is in poor condition. This project will be to repair the pavement by milling, crack sealing, and overlaying the pavement to help extend the serviceable life of the pavement.

COST ESTIMATE: (Attach detailed cost estimate)													
Federal	(90%)	**$**	**1,482,480.00**	**State**	( )%	**$**	**0.00**	**Local**	(10%)	**$**	**164,720.00**	**Total**	**$** **1,647,200.00**

SPONSOR'S VERIFICATION:	**Date**	(See instruction sheet)
For each and every project as applicable	**2012**	Date of approved ALP with project shown.
	#(307-312)	Date of environmental determination (ROD, FONSI, CE) or cite CE paragraph in Order 1050.1F
		Date of land acquisition or signed purchase agreement
FAA USE ONLY		Date of pavement maintenance program
FAA Verification: (initial/date)		Snow removal equipment inventory & sizing worksheet (for SRE acquisition)
		Apron sizing worksheet (for apron projects)
		Revenue producing facilities (for fuel farms, hangars, etc.)
		Date statement submitted for completed airside development
		Date statement submitted for runway approaches are clear of obstructions

SPONSOR' SIGNATURE:		Date:	
PRINTED NAME:		Title: Mayor	
PHONE NUMBER:	620-252-6127		

FAA USE ONLY

PREAPP NUMBER	GRANT NUMBER	NPIAS CODE	WORK CODE	FAA PRIORITY	FEDERAL $

ENGINEERS ESTIMATED COST OF CONSTRUCTION
COFFEYVILLE MUNICIPAL AIRPORT
COFFEYVILLE, KANSAS
REHABILITATE RUNWAY 4-22

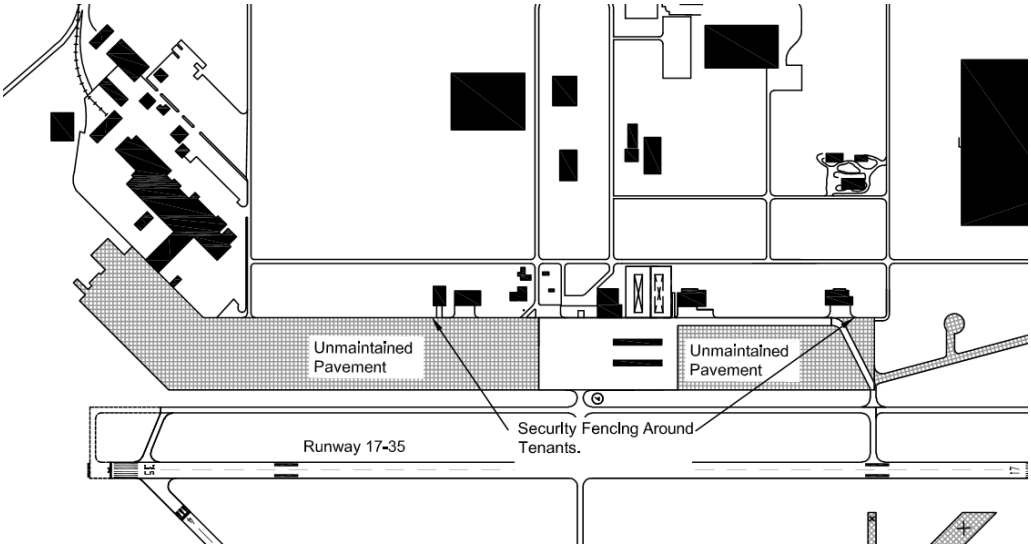
PROJECT NO.: AIP 3-20-XXXX-XX
Burns & McDonnell No. xxx
January 3, 2017

ITEM NO.	FAA ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	TOTAL PROJECT COST		AIP ELIBIGLE COST	TOTAL SPONSOR COST
					UNIT COST	TOTAL	TOTAL	
1		Mobilization	LS	1.00	$130,435.64	$130,435.64	$117,392.07	$13,043.56
2		Traffic Control	LS	1.00	$46,131.36	$46,131.36	$41,518.23	$4,613.14
3		Field Office	LS	1.00	$6,360.00	$6,360.00	$5,724.00	$636.00
4		2" Asphalt Milling	SY	36,750.00	$6.89	$253,207.50	$227,886.75	$25,320.75
5		Crack and Joint Repair	LF	35,000.00	$7.95	$278,250.00	$250,425.00	$27,825.00
6		Geotextile Fabric Separator	SY	36,750.00	$4.24	$155,820.00	$140,238.00	$15,582.00
7		Tack Coat	GAL	5,700.00	$4.24	$24,168.00	$21,751.20	$2,416.80
8		Asphalt Pavement (1 - 2" Lift)	TON	4,300.00	$106.00	$455,800.00	$410,220.00	$45,580.00
9		Seeding	AC	5.00	$1,484.00	$7,420.00	$6,678.00	$742.00
10		Mulching	AC	5.00	$1,272.00	$6,360.00	$5,724.00	$636.00
11		Joint Sealant	LF	250.00	$1.59	$397.50	$357.75	$39.75
12		Pavement Markings (Reflectorized)	SF	20,000.00	$2.39	$47,700.00	$42,930.00	$4,770.00
13		Pavement Markings (Non-Reflectorized)	SF	5,000.00	$1.59	$7,950.00	$7,155.00	$795.00
		TOTAL ESTIMATED CONSTRUCTION COST OF BASE BID				**$1,420,000.00**	**$1,278,000.00**	**$142,000.00**
		ESTIMATED DESIGN, CONSTRUCTION, & ADMINISTRATION COST				**$227,200.00**	**$204,480.00**	**$22,720.00**
		TOTAL COST				**$1,647,200.00**	**$1,482,480.00**	**$164,720.00**
		Anticipated date of construction	2019					

ACIP DATA SHEET

AIRPORT	Coffeyville Municipal Airport	LOCID	CFV	LOCAL PRIORITY	3
PROJECT DESCRIPTION	Perimeter Fencing Improvements			Identify FFY that you desire to construct (FFY: Oct 1 – Sept 30)	2020

SKETCH:



JUSTIFICATION:

The perimeter fence will be connected to the existing perimeter fence and extend around the tenants to provide additional security and to help eliminate access points for wildlife. Gates will be installed to allow controlled access.

COST ESTIMATE: (Attach detailed cost estimate)													
Federal	(90%)	**$**	**311,999.00**	**State**	( )%	**$**	**0.00**	**Local**	(10%)	**$**	**34,667.00**	**Total**	**$ 346,666.00**

SPONSOR'S VERIFICATION:	**Date**	(See instruction sheet)
For each and every project as applicable	**2012**	Date of approved ALP with project shown.
	#(307-312)	Date of environmental determination (ROD, FONSI, CE) or cite CE paragraph in Order 1050.1F
		Date of land acquisition or signed purchase agreement
FAA USE ONLY		Date of pavement maintenance program
FAA Verification: (initial/date)		Snow removal equipment inventory & sizing worksheet (for SRE acquisition)
		Apron sizing worksheet (for apron projects)
		Revenue producing facilities (for fuel farms, hangars, etc.)
		Date statement submitted for completed airside development
		Date statement submitted for runway approaches are clear of obstructions

SPONSOR' SIGNATURE:		Date:	
PRINTED NAME:		Title: Mayor	
PHONE NUMBER:	620-252-6127		

FAA USE ONLY

PREAPP NUMBER	GRANT NUMBER	NPIAS CODE	WORK CODE	FAA PRIORITY	FEDERAL $

ENGINEERS ESTIMATED COST OF CONSTRUCTION
COFFEYVILLE MUNICIPAL AIRPORT
COFFEYVILLE, KANSAS
Perimeter Fencing Improvements

PROJECT NO.: AIP 3-20-XXXX-XX
Burns & McDonnell No. xxx
January 3, 2017

ITEM NO.	FAA ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	TOTAL PROJECT COST		AIP ELIBIGLE COST	TOTAL SPONSOR COST
					UNIT COST	TOTAL	TOTAL	
1		Mobilization	LS	1.00	$27,450.00	$27,450.00	$24,705.00	$2,745.00
2		8' Chain-Link Perimeter Fence	LF	7,200.00	$35.00	$252,000.00	$226,800.00	$25,200.00
3		Chain-Link Electronic Sliding Gate #1	EA	1.00	$2,500.00	$2,500.00	$2,250.00	$250.00
4		Chain-Link Personnel Manual Gate	EA	6.00	$1,500.00	$9,000.00	$8,100.00	$900.00
5		Perimeter Fence Electrical Grounding	LS	1.00	$5,000.00	$5,000.00	$4,500.00	$500.00
6		Airport Perimeter Warning Sign	EA	20.00	$95.00	$1,900.00	$1,710.00	$190.00
7		Nature Guard Grate	EA	1.00	$1,000.00	$1,000.00	$900.00	$100.00
		TOTAL ESTIMATED CONSTRUCTION COST OF BASE BID				**$298,850.00**	**$268,965.00**	**$29,885.00**
		ESTIMATED DESIGN, CONSTRUCTION SERVICES & ADMINISTRATION COST				**$47,816.00**	**$43,034.40**	**$4,781.60**
		TOTAL COST				**$346,666.00**	**$311,999.40**	**$34,666.60**
		Anticipated date of completion	2020					

ACIP DATA SHEET

AIRPORT	Coffeyville Municipal Airport	LOCID	CFV	LOCAL PRIORITY	4
PROJECT DESCRIPTION	Parallel Taxiway Extension			Identify FFY that you desire to construct (FFY: Oct 1 – Sept 30)	2021

SKETCH:

JUSTIFICATION:

The existing parallel taxiway to Runway 17-35 does not extend full length of the runway. Currently, aircraft must back taxi on Runway 17 between the threshold and the existing taxiway connector. This project aims to help improve safety, eliminate back taxiing on an active runway, and prevent runway incursions.

COST ESTIMATE: (Attach detailed cost estimate)													
Federal	(90%)	**$**	**1,006,776.00**	**State**	( )%	**$**	**0.00**	**Local**	(10%)	**$**	**111,864.00**	**Total**	**$** **1,118,640.00**

SPONSOR'S VERIFICATION:	**Date**	(See instruction sheet)
For each and every project as applicable	**2012**	Date of approved ALP with project shown.
	#(307-312)	Date of environmental determination (ROD, FONSI, CE) or cite CE paragraph in Order 1050.1F
		Date of land acquisition or signed purchase agreement
FAA USE ONLY		Date of pavement maintenance program
FAA Verification: (initial/date)		Snow removal equipment inventory & sizing worksheet (for SRE acquisition)
		Apron sizing worksheet (for apron projects)
		Revenue producing facilities (for fuel farms, hangars, etc.)
		Date statement submitted for completed airside development
		Date statement submitted for runway approaches are clear of obstructions

SPONSOR' SIGNATURE:		Date:	
PRINTED NAME:		Title: Mayor	
PHONE NUMBER:	620-252-6127		

FAA USE ONLY

PREAPP NUMBER	GRANT NUMBER	NPIAS CODE	WORK CODE	FAA PRIORITY	FEDERAL $

ENGINEERS ESTIMATED COST OF CONSTRUCTION
COFFEYVILLE MUNICIPAL AIRPORT
COFFEYVILLE, KANSAS
PARALLEL TAXIWAY EXTENSION

PROJECT NO.: AIP 3-20-XXXX-XX
Burns & McDonnell No. xxx
January 3, 2017

ITEM NO.	FAA ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	TOTAL PROJECT COST		AIP ELIBIGLE COST	TOTAL SPONSOR COST
					UNIT COST	TOTAL	TOTAL	
1		Mobilization	LS	1.00	$86,186.01	$86,186.01	$77,567.41	$8,618.60
2		Traffic Control	LS	1.00	$31,669.99	$31,669.99	$28,502.99	$3,167.00
3		Field Office	LS	1.00	$6,540.00	$6,540.00	$5,886.00	$654.00
4		Earthwork	CY	6,000.00	$8.72	$52,320.00	$47,088.00	$5,232.00
5		Removal of Existing Light Fixture and Can (Conduit incidental)	EA	4.00	$54.50	$218.00	$196.20	$21.80
6		12-inch Flyash Stabilization	SY	6,500.00	$6.54	$42,510.00	$38,259.00	$4,251.00
7		Flyash	TON	550.00	$98.10	$53,955.00	$48,559.50	$5,395.50
8		4-inch aggregate base rock	SY	6,500.00	$9.81	$63,765.00	$57,388.50	$6,376.50
9		6-inch Concrete	SY	6,400.00	$59.95	$383,680.00	$345,312.00	$38,368.00
10		Pavement Markings	SF	5,000.00	$2.18	$10,900.00	$9,810.00	$1,090.00
11		Taxiway Lighting (new fixture, new can, transformers & pigtails)	EA	40.00	$763.00	$30,520.00	$27,468.00	$3,052.00
12		New 2" PVC Conduit	LF	3,000.00	$4.36	$13,080.00	$11,772.00	$1,308.00
13		New Cabling in Existing or New Conduit	LF	6,000.00	$2.18	$13,080.00	$11,772.00	$1,308.00
14		Seeding	AC	10.00	$1,526.00	$15,260.00	$13,734.00	$1,526.00
15		Mulching	AC	10.00	$1,308.00	$13,080.00	$11,772.00	$1,308.00
16		Silt Fence	LF	3,000.00	$4.63	$13,897.50	$12,507.75	$1,389.75
17		Install New 24" RCP	LF	250.00	$70.85	$17,712.50	$15,941.25	$1,771.25
18		Install New 24" RCP FES	EA	2.00	$763.00	$1,526.00	$1,373.40	$152.60
19		Underdrains	LF	3,000.00	$26.16	$78,480.00	$70,632.00	$7,848.00
20		Pipe Outlets	LF	900.00	$21.80	$19,620.00	$17,658.00	$1,962.00
		TOTAL ESTIMATED CONSTRUCTION COST OF BASE BID				**$948,000.00**	**$853,200.00**	**$94,800.00**
		ESTIMATED DESIGN, CONSTRUCTION, & ADMINISTRATION COST				**$170,640.00**	**$153,576.00**	**$17,064.00**
		TOTAL COST				**$1,118,640.00**	**$1,006,776.00**	**$111,864.00**
		Anticipated date of construction	2021					