

COUNCIL ACTION FORM

SUBJECT: 2018-2022 FEDERAL AIRPORT IMPROVEMENTS PROGRAM

BACKGROUND:

In order to comply with an annual requirement of the Federal Aviation Administration (FAA), the City submits an Airport Improvement Program (AIP) to the FAA showing the next five Federal Fiscal years of airport projects. The information contained in the Federal AIP is then copied into the Airport Improvements Program of the City's own Capital Improvements Plan (CIP) to ensure the obligation of local matching funds required for each project.

A copy of this year's FAA submittal is attached. The proposed AIP 5-year program project list is as follows (FFY = Federal Fiscal Year):

Project Description	FFY2018	FFY2019	FFY2020	FFY2021	FFY2022
Electrical Vault & Terminal Demolition			\$396,000		
Runway 01/19 Extension - Environmental Assessment				\$102,000	
Runway 01/19 Extension - Land Acquisition					\$2,387,000
Totals	\$0	\$0	\$396,000	\$102,000	\$2,387,000
<i>Federal/State Funds</i>	<i>\$0</i>	<i>\$0</i>	<i>\$356,400</i>	<i>\$91,800</i>	<i>\$2,148,300</i>
<i>Local Funds</i>	<i>\$0</i>	<i>\$0</i>	<i>\$39,600</i>	<i>\$10,200</i>	<i>\$238,700</i>

The remaining projects are in the Long Range Needs Assessment (LRNA), which are those remaining steps necessary to extend the main Runway 01/19 to a length of approximately 8,000 feet. This would include grading (FFY 2023), road realignment (FFY 2024), and paving (FFY 2025).

The costs shown above vary slightly from those currently contained in the adopted CIP. Those revisions will be included in the updated 2017-2022 CIP which staff will present to Council in January.

ALTERNATIVES:

1. Approve the 2018-2022 Federal Airport Improvements Program.
2. Approve the 2018-2022 Federal Airport Improvements Program with modifications.

CITY MANAGER'S RECOMMENDED ACTION:

Approving this annual update to the 5-year Federal Airport Improvement Program will ensure that those federal dollars programmed for the Municipal Airport will be available in the respective year of the City's Capital Improvement Plan.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as described above.

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.
- 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.
- If requesting Federal assistance for general aviation apron expansion, include a copy of a completed GA Apron Design spreadsheet.
- 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 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 (System for Award Management) registration is up-to-date. (www.sam.gov)

Please scan and e-mail with support documents identified in checklist to shane.wright@dot.iowa.gov.

Iowa Department of Transportation
Office of Aviation
800 Lincoln Way
Ames, IA 50010

Attn.: Program Manager
E-mail: shane.wright@dot.iowa.gov
FAX: 515-233-7983
515-239-1048

FIVE-YEAR AIRPORT CAPITAL IMPROVEMENT PROGRAM (CIP)

Airport Name: Ames Municipal Airport

Telephone: 515-239-5275

Prepared By: Damion Pregitzer

E-mail Address: dpregitzer@city.ames.ia.us

Date Prepared: October 2016

Date Approved: November 22, 2016

Project Description	Funding Source	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Electrical Vault & Terminal Demolition	Federal	\$	\$	\$ 356,400.00	\$	\$
	State	\$	\$	\$	\$	\$
	Local	\$	\$	\$ 39,600.00	\$	\$
	Total	\$	\$	\$ 396,000.00	\$	\$
Environmental Assessment	Federal	\$	\$	\$	\$ 91,800.00	\$
	State	\$	\$	\$	\$	\$
	Local	\$	\$	\$	\$ 10,200.00	\$
	Total	\$	\$	\$	\$ 102,000.00	\$
Runway 01/19 - 2000' Extension Land Acquisition	Federal	\$	\$	\$	\$	\$ 2,148,300.00
	State	\$	\$	\$	\$	\$
	Local	\$	\$	\$	\$	\$ 238,700.00
	Total	\$	\$	\$	\$	\$ 2,387,000.00
	Federal	\$	\$	\$	\$	\$
	State	\$	\$	\$	\$	\$
	Local	\$	\$	\$	\$	\$
	Total	\$	\$	\$	\$	\$
	Federal	\$	\$	\$	\$	\$
	State	\$	\$	\$	\$	\$
	Local	\$	\$	\$	\$	\$
	Total	\$	\$	\$	\$	\$
	Federal	\$	\$	\$	\$	\$
	State	\$	\$	\$	\$	\$
	Local	\$	\$	\$	\$	\$
	Total	\$	\$	\$	\$	\$

AIRPORT LONG RANGE NEEDS ASSESSMENT

FFY 2023 – FFY 2027

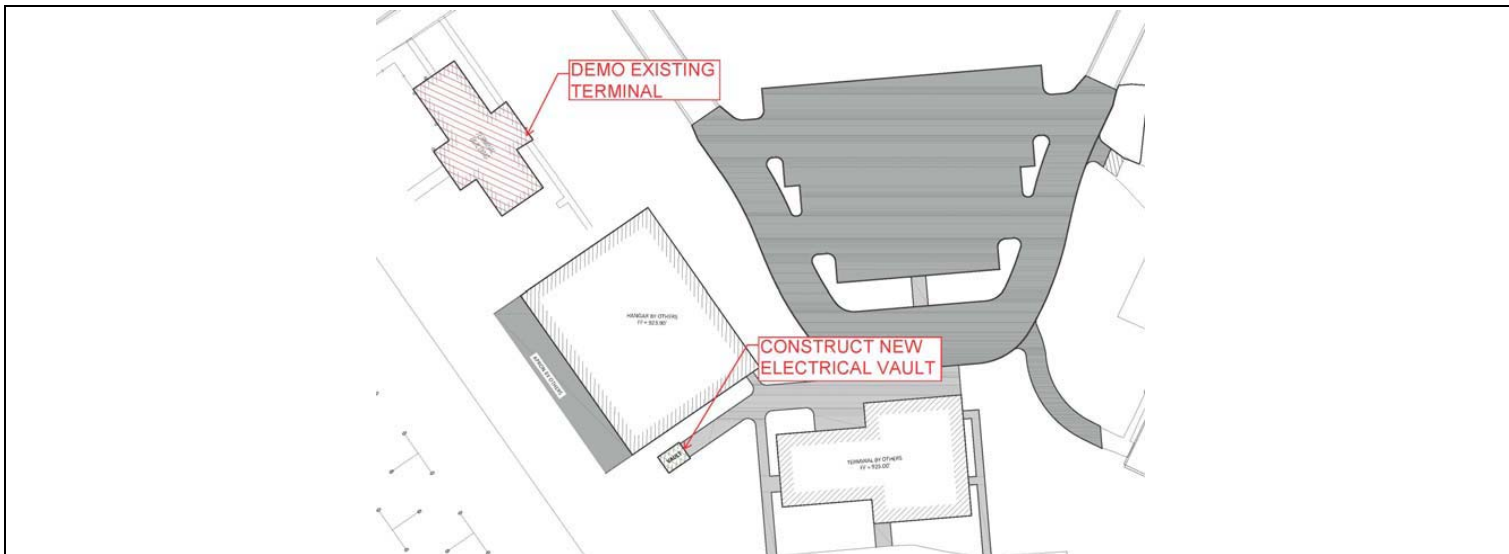
Airport Name: Ames Municipal Airport

Description of Project (include estimated Fiscal Year)	Funding Source	Total Estimated Cost
Runway 01/19 Extension Design & Grading (2023)	Federal: 90% State: Local: 10% Total: 100%	\$ 1,759,320.00 \$ \$ 195,480.00 \$ 1,954,800.00
Road Relocation for Runway 01/19 Extension (2024)	Federal: 90% State: Local: 10% Total: 100%	\$ 1,285,740.00 \$ \$ 142,860.00 \$ 1,428,600.00
Runway 01/19 - 2000' Extension Paving (2025)	Federal: 90% State: Local: 10% Total: 100%	\$ 3,928,500.00 \$ \$ 436,500.00 \$ 4,365,000.00
	Federal: State: Local: Total:	\$ \$ \$ \$
	Federal: State: Local: Total:	\$ \$ \$ \$
	Federal: State: Local: Total:	\$ \$ \$ \$

CIP DATA SHEET

AIRPORT	Ames Municipal Airport	LOCID	AMW	LOCAL PRIORITY	1
PROJECT DESCRIPTION	Electrical Vault & Terminal Demolition	Identify FFY that you desire to construct (FFY: Oct. 1-Sept. 30)			2020

SKETCH:



JUSTIFICATION:

With the construction of a new terminal building in 2015-2016 the existing terminal building is no longer needed expect to house the existing electrical vault in the basement. This project will relocate the electrical vault and demo the old building

COST ESTIMATE: (Attach detailed cost estimate)

Federal(90%)	\$356,400.00	State	\$0	Local (10%)	\$39,600.00	Total	\$396,000.00
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SPONSOR'S VERIFICATION:

For each and every project as applicable

Date	(see instruction sheet or point mouse over each date box for more information)
12/2008 Required	<ul style="list-style-type: none"> - Date of approved ALP with project shown - Date of environmental determination (ROD, FONSI, CE), or cite CE paragraph # (307-312) in Order 1050.1E - Date of land acquisition or signed purchase agreement
9/10/12	<ul style="list-style-type: none"> - Date of pavement maintenance program - Snow removal equipment inventory & sizing worksheet (for SRE acquisition) - Apron sizing worksheet (for apron projects) - Revenue producing facilities (for fuel farms, hangers, etc.) - Date statement submitted for completed airside development - Date statement submitted for runway approaches are clear of obstructions

FAA USE ONLY

FAA Verification: (initial/date)

SPONSOR'S SIGNATURE: DATE: 11/22/2016

PRINTED NAME: Damion Pregitzer TITLE: Traffic Engineer

PHONE NUMBER: 515-239-5275

FAA USE ONLY

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

ELECTRICAL VAULT & TERMINAL DEMOLITION

No.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL	Federal 90%	State 0%	Local 10%
1	MOBILIZATION	1	LF	\$ 43,800.00	\$ 43,800.00	\$ 39,420.00	\$ -	\$ 4,380.00
2	TRENCHING	485	LF	\$ 5.50	\$ 2,667.50	\$ 2,400.75	\$ -	\$ 266.75
3	NO. 8 AWG L824C CABLE, INSTALLED IN DUCT BANK OR CONDUIT	2524	LF	\$ 1.65	\$ 4,164.60	\$ 3,748.14	\$ -	\$ 416.46
4	NO. 6 AWG 600V CABLE, INSTALLED IN DUCT BANK OR CONDUIT	160	LF	\$ 1.95	\$ 312.00	\$ 280.80	\$ -	\$ 31.20
5	NO. 8 AWG 600V CABLE, INSTALLED IN DUCT BANK OR CONDUIT	336	LF	\$ 1.55	\$ 520.80	\$ 468.72	\$ -	\$ 52.08
6	AIRPORT VAULT, 11'x16', COMPLETE	1	LS	\$ 110,000.00	\$ 110,000.00	\$ 99,000.00	\$ -	\$ 11,000.00
7	INSTALLATION OF VAULT EQUIPMENT, COMPLETE, IN PLACE	1	LS	\$ 33,000.00	\$ 33,000.00	\$ 29,700.00	\$ -	\$ 3,300.00
8	L-828 CONSTANT CURRENT REGULATOR, 10KW, COMPLETE, IN PLACE	1	EA	\$ 14,300.00	\$ 14,300.00	\$ 12,870.00	\$ -	\$ 1,430.00
9	L-828 CONSTANT CURRENT REGULATOR, 7.5KW, COMPLETE, IN PLACE	2	EA	\$ 12,100.00	\$ 24,200.00	\$ 21,780.00	\$ -	\$ 2,420.00
10	INSTALL EXISTING 25KW REGULATOR, COMPLETED, IN PLACE	1	EA	\$ 11,000.00	\$ 11,000.00	\$ 9,900.00	\$ -	\$ 1,100.00
11	CONDUIT, 2" PVC, IN TRENCH	358	LF	\$ 12.10	\$ 4,331.80	\$ 3,898.62	\$ -	\$ 433.18
12	CONDUIT, 4" PVC, IN TRENCH	150	LF	\$ 15.40	\$ 2,310.00	\$ 2,079.00	\$ -	\$ 231.00
13	DUCT BANK, CONCRETE ENCASED, WITH (6) 3" CONDUITS & (4) 2" CONDUITS	52	LF	\$ 192.50	\$ 10,010.00	\$ 9,009.00	\$ -	\$ 1,001.00
14	REMOVAL OF TERMINAL BUILDING	1	LS	\$ 75,000.00	\$ 75,000.00	\$ 67,500.00	\$ -	\$ 7,500.00
	Subtotal			\$	\$ 335,616.70	\$ 302,055.03	\$ -	\$ 33,561.67
	PROJECT DEVELOPMENT / SCOPING					\$ -	\$ -	\$ -
	DESIGN ENGINEERING (8%)			\$	\$ 26,849.34	\$ 24,164.40	\$ -	\$ 2,684.93
	CONSTRUCTION ENGINEERING (10%)			\$	\$ 33,561.67	\$ 30,205.50	\$ -	\$ 3,356.17
	GRANT ADMINISTRATION				\$ -	\$ -	\$ -	\$ -
	DISADVANTAGED BUSINESS ENTERPRISE (DBE) PLAN				\$ -	\$ -	\$ -	\$ -
	ENVIRONMENTAL CATEx				\$ -	\$ -	\$ -	\$ -
	ESTIMATED CITY ADMINISTRATION				\$ -	\$ -	\$ -	\$ -
	ELECTRICAL VAULT & TERMINAL DEMOLITION			\$	\$ 396,000.00	\$ 356,400.00	\$ -	\$ 39,600.00