

COUNCIL ACTION FORM

SUBJECT: 2020 FEDERAL AIRPORT IMPROVEMENTS PROGRAM

BACKGROUND:

As 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 Improvement 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:

Project Year	Projects
FFY 2020	Electrical Vault & Terminal Demolition
FFY 2021	South Apron Rehabilitation
FFY 2022	Hangar Repairs - Replace Doors (Iowa DOT Funded)
FFY 2023	Hangar Repairs (Iowa DOT Funded)
FFY 2024	South Apron Expansion

FINANCING	TOTALS	FFY 2020	FFY 2021	FFY 2022	FFY 2023	FFY 2024
Federal Funding	\$1,698,570	\$360,000	\$753,570			\$585,000
State Funding	\$300,000			\$150,000	\$150,000	
Airport Construction Fund	\$248,730	\$40,000	\$83,730	\$30,000	\$30,000	\$65,000
Total	\$2,247,300	\$400,000	\$837,300	\$180,000	\$180,000	\$650,000

Federal Fiscal Year (FFY) 2020 = Ames Fiscal Year 2021; due to the Federal grant process.

The remaining projects are in the Long Range Needs Assessment (LRNA) include:

- Relocation of the Fuel Farm (\$675,000)
- New Maintenance Hangar (\$1,000,000)
- Relocate the Automated Weather Observing System [AWOS] (\$80,000)
- Expansion of Landside Parking to the North (\$500,000).

If should be noted that projects shown in the LRNA do not obligate funding and may change in priority after adoption of the updated Airport Master Plan in 2019.

ALTERNATIVES:

1. Approve the 2020 Federal Airport Improvements Program.
2. Approve the 2020 Federal Airport Improvements Program with identified changes.

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 Ames Municipal Airport will be available in the respective year of the City's Capital Improvement Plan. Projects shown represent improvements necessary to meet current and future demands of the Ames Municipal Airport.

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)
PREAPPLICATION FEDERAL FISCAL YEAR 2020
CHECKLIST**

Please attach the following documents with your application.

- Sponsor Identification Sheet for the Airport
- Capital Improvement Program (CIP) Data Sheet (one for each project listed in the first three years of the CIP) and detailed cost estimate for each data sheet
- Five-Year CIP
- Long-Range Needs Assessment
- Verification of an updated airport layout plan (ALP) (when applying for new construction of buildings or airfield expansion)
- Verification of completed environmental processing in accordance with National Environmental Policy Act of 1969
- 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 and 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 Airport Capital Improvement Plan (ACIP) Data Sheet, include a copy of a completed Federal Aviation Administration's snow removal equipment spreadsheet.
- If requesting federal assistance for general aviation apron expansion, include a copy of a completed FAA 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 three years.
 - 2) A statement that runway approach surfaces are clear of obstructions (the FFA Airport 5010 should show at least a 20:1 clear approach).
 - 3) Justification for the project.
- System for Award Management (SAM) registration is up to date (www.sam.gov)

Please e-mail this form with supporting documents identified in the checklist to shane.wright@iowadot.us.

Attn.: Program Manager
Office of Aviation
Iowa Department of Transportation
800 Lincoln Way
Ames, IA 50010

E-mail: shane.wright@iowadot.us
FAX: 515-233-7983
Phone: 515-239-1048

AIRPORT SPONSOR IDENTIFICATION SHEET

***** PLEASE ONLY SUBMIT IT YOU HAVE CHANGES FROM PREVIOUS YEAR. *****

Airport name Ames Municipal Airport (AMW)

Airport sponsor(s) name City of Ames, Iowa

Contact person Damion Pregitzer

Title Traffic Engineer

Email address dpregitzer@city.ames.ia.us

Physical mailing address 515 Clark Avenue

P.O. Box (if applicable) _____

City Ames

State Iowa

ZIP code 50010

Phone 515-239-5275

U.S. Congressional District number Iowa 4th District

Tax Identification Number 42-6004218

Dun and Bradstreet number (DUNS) 061320917

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

Please email (PDF) your completed preapplication, Capital Improvement Program (CIP), long-range needs assessment, signed CIP data sheets, and all supporting documents to your state agency and Federal Aviation Administration planner at jeff.deitering@faa.gov.



**FIVE-YEAR AIRPORT
CAPITAL IMPROVEMENT PROGRAM (CIP)**
Attach additional sheets if necessary.

Airport name, LOCID, city, state Ames Municipal Airport (AMW), Ames, Iowa

Prepared by Bolton & Menk

Sponsor's email dpregitzer@city.ames.ia.us

Date prepared November 2019

Sponsor's signature _____

Sponsor's phone 515-239-5275

Printed name Damion Pregitzer

FY	Detailed project/scope description	Funding source	Total estimated cost
2020	Electrical Vault & Terminal Demolition	Federal	\$ 360,000
		State	\$ 0
		Local	\$ 40,000
		Total	\$ 400,000
2021	South Apron Rehabilitation	Federal	\$ 753,570
		State	\$ 0
		Local	\$ 83,730
		Total	\$ 837,300
2022	Hangar Repairs - Replace Doors (Iowa DOT Funded)	Federal	\$ 0
		State	\$ 150,000
		Local	\$ 30,000
		Total	\$ 180,000
2023	Hangar Repairs (Iowa DOT Funded)	Federal	\$ 0
		State	\$ 150,000
		Local	\$ 30,000
		Total	\$ 180,000
2024	South Apron Expansion	Federal	\$ 585,000
		State	\$ 0
		Local	\$ 65,000
		Total	\$ 650,000

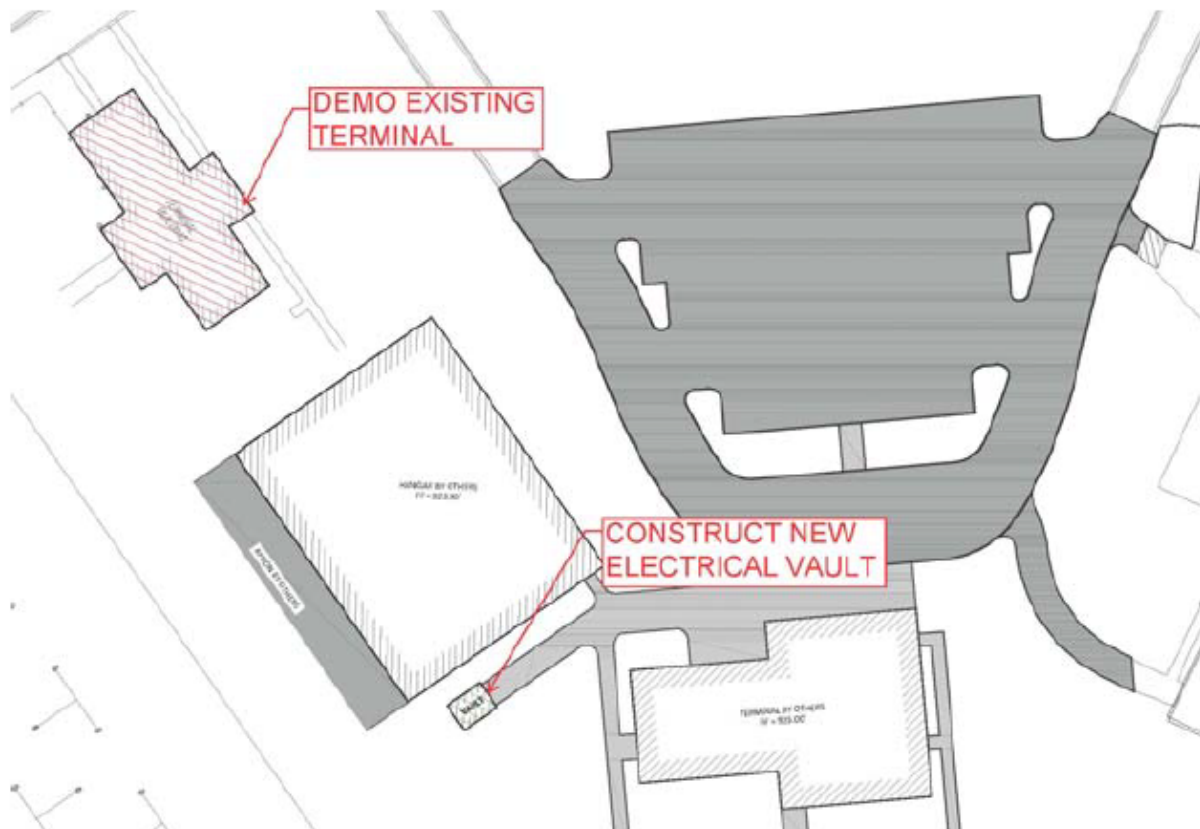
FEDERAL AVIATION ADMINISTRATION

CIP DATA SHEET

CAPITAL IMPROVEMENT PROGRAM (CIP)
AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	Ames Municipal Airport, AMW, Ames, IA		
AIP Project Type:	Click here to enter text		
Local Priority:	1 - Very High	Federal Share:	\$ 360,000.00
FFY Requested:	2020	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$40,000.00
		Total Project Cost:	\$ 400,000.00

With the opening of the new terminal building in the summer of 2017, the old terminal building is no longer needed except to house the existing electrical vault in the basement. The purpose of this project is to relocate the electrical equipment to a new vault building near the new terminal and demolish the old terminal building.



SPONSOR SIGNATURE BLOCK			
Signature:		Date:	11/6/2018
Printed Name:	Damion Pregitzer	Title:	Traffic Engineer
Phone Number:	515-239-5275	Email:	dpregitzer@city.ames.ia.us

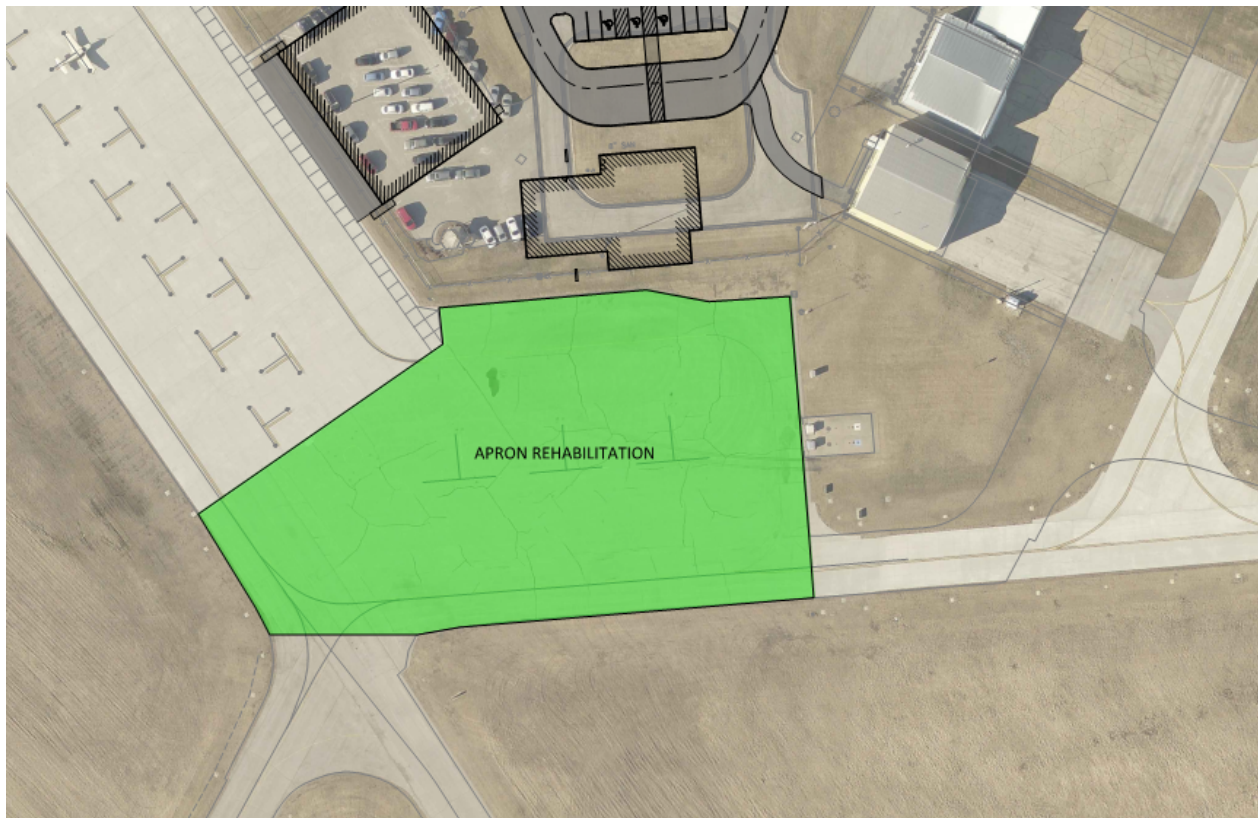
FEDERAL AVIATION ADMINISTRATION

CIP DATA SHEET

CAPITAL IMPROVEMENT PROGRAM (CIP)
AIRPORTS DIVISION - CENTRAL REGION

SEE INSTRUCTIONS TO COMPLETE THIS INFORMATION			
Airport Name, LOCID, City, State:	Ames Municipal Airport, AMW, Ames, IA		
AIP Project Type:	Click here to enter text		
Local Priority:	2 - High	Federal Share:	\$ 753,570.00
FFY Requested:	2021	State Share:	\$0
Provide Detailed Project Scope and Justification Below. You must attach a sketch/drawing that clearly identifies the scope of the project.		Local Share:	\$83,730.00
		Total Project Cost:	\$ 837,300.00

The south apron at the Ames Municipal Airport has deteriorated significantly over the past several years. In 2015, a PCI rating of 49 was given to the south apron pavement. With the opening of the new terminal in 2017, this apron pavement has become much more heavily used. Transient aircraft often park on this pavement area to load and unload since the new terminal now abuts the south apron pavement. This project would consist of the reconstruction of the existing south apron pavement.



SPONSOR SIGNATURE BLOCK			
Signature:		Date:	11/6/2018
Printed Name:	Damion Pregitzer	Title:	Traffic Engineer
Phone Number:	515-239-5275	Email:	dpregitzer@city.ames.ia.us



LONG-RANGE NEEDS ASSESSMENT YEARS SIX TO 20

Attach additional sheets if necessary.

Airport name Ames Municipal Airport (AMW)

Estimated FY	Description of project	Funding source	Total estimated cost
2028	Fuel Farm Relocation	Federal \$ State \$ Local \$ 675,000 Total \$ 675,000	
2032	Maintenance Hangar	Federal \$ 600,000 State \$ 150,000 Local \$ 250,000 Total \$ 1,000,000	
2033	Relocate AWOS	Federal \$ 72,000 State \$ Local \$ 8,000 Total \$ 80,000	
2035	Expand Landside Parking to North	Federal \$ 450,000 State \$ 0 Local \$ 50,000 Total \$ 500,000	
		Federal \$ State \$ Local \$ Total \$	
		Federal \$ State \$ Local \$ Total \$	



Real People. Real Solutions.

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	\$ 4,000.00	\$ 3,600.00	\$ -	\$ 400.00		
				ESTIMATED CITY ADMINISTRATION		\$ -	\$ -	\$ -		
				ELECTRICAL VAULT & TERMINAL DEMOLITION	\$ 400,000.00	\$ 360,000.00	\$ -	\$ 40,000.00		

SOUTH APRON REHABILITATION

No.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL	Federal 90%	State 0%	Local 10%
1	MOBILIZATION	1	LS	\$ 60,000.00	\$ 60,000.00	\$ 54,000.00	\$ -	\$ 6,000.00
2	CONSTRUCTION SURVEY	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 13,500.00	\$ -	\$ 1,500.00
3	EMBANKMENT	3,000	CY	\$ 8.00	\$ 24,000.00	\$ 21,600.00	\$ -	\$ 2,400.00
4	PAVEMENT REMOVAL	7,600	SY	\$ 4.00	\$ 30,400.00	\$ 27,360.00	\$ -	\$ 3,040.00
5	TRIM, SHAPE & COMPACT SUBGRADE	8,200	SY	\$ 4.00	\$ 32,800.00	\$ 29,520.00	\$ -	\$ 3,280.00
6	GEOTEXTILE FABRIC	8,200	SY	\$ 2.00	\$ 16,400.00	\$ 14,760.00	\$ -	\$ 1,640.00
7	6" AGGREGATE SUBBASE	8,200	SY	\$ 7.00	\$ 57,400.00	\$ 51,660.00	\$ -	\$ 5,740.00
8	6" PCC PAVEMENT	7,600	SY	\$ 55.00	\$ 418,000.00	\$ 376,200.00	\$ -	\$ 41,800.00
9	6" SUBDRAINS, PERFORATED	900	LF	\$ 15.00	\$ 13,500.00	\$ 12,150.00	\$ -	\$ 1,350.00
10	6" SUBDRAIN CLEANOUTS	6	EA	\$ 500.00	\$ 3,000.00	\$ 2,700.00	\$ -	\$ 300.00
11	6" SUBDRAIN OUTLETS	1	EA	\$ 500.00	\$ 500.00	\$ 450.00	\$ -	\$ 50.00
12	TIE DOWNS	12	EA	\$ 250.00	\$ 3,000.00	\$ 2,700.00	\$ -	\$ 300.00
13	PAVEMENT MARKING	1	LS	\$ 4,000.00	\$ 4,000.00	\$ 3,600.00	\$ -	\$ 400.00
14	SILT FENCE	1,000	LF	\$ 4.00	\$ 4,000.00	\$ 3,600.00	\$ -	\$ 400.00
15	SEEDING AND FERTILIZING	1	ACRE	\$ 2,800.00	\$ 2,800.00	\$ 2,520.00	\$ -	\$ 280.00
16	MULCHING	1	ACRE	\$ 2,500.00	\$ 2,500.00	\$ 2,250.00	\$ -	\$ 250.00
17	TOPSOIL	500	CY	\$ 6.00	\$ 3,000.00	\$ 2,700.00	\$ -	\$ 300.00
18	FIELD OFFICE	1	EA	\$ 1,000.00	\$ 1,000.00	\$ 900.00	\$ -	\$ 100.00
Subtotal					\$ 691,300.00	\$ 622,170.00	\$ -	\$ 69,130.00
PROJECT DEVELOPMENT / SCOPING					\$ 2,000.00	\$ 1,800.00	\$ -	\$ 200.00
DESIGN ENGINEERING (10%)					\$ 69,000.00	\$ 62,000.00	\$ -	\$ 6,900.00
CONSTRUCTION ENGINEERING (10%)					\$ 69,000.00	\$ 62,000.00	\$ -	\$ 6,900.00
GRANT ADMINISTRATION					\$ 2,000.00	\$ 1,800.00	\$ -	\$ 200.00
DISADVANTAGED BUSINESS ENTERPRISE (DBE) PLAN					\$ 1,500.00	\$ 1,350.00	\$ -	\$ 150.00
ENVIRONMENTAL CATEX					\$ 1,500.00	\$ 1,350.00	\$ -	\$ 150.00
ESTIMATED CITY ADMINISTRATION					\$ 1,000.00	\$ 900.00	\$ -	\$ 100.00
SOUTH APRON REHABILITATION					\$ 837,300.00	\$ 753,570.00	\$ -	\$ 83,730.00