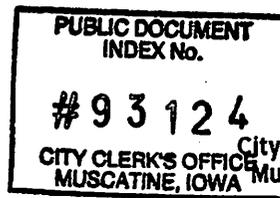




MUSCATINE



City Hall, 215 Sycamore St.
Muscatine, IA 52761-3840
(563) 262-4141
Fax (563) 262-4142

COMMUNITY DEVELOPMENT

MEMORANDUM

Planning,
Zoning,
Building Safety,
Construction Inspection Services,
Public Health,
Housing Inspections,
Code Enforcement

To: Mayor and City Council Members

Cc: Gregg Mandsager, City Administrator
Dave Gobin, Director of Community Development

From: Adam Thompson, Community Development Coordinator

Date: June 30, 2015

Re: Approve submission of Reconstruct Runway 6/24 and Associated Taxiways Project Grant Application

Introduction: The City of Muscatine received funding from the FAA to complete pre-design and final design of the Main Runway 6/24 Reconstruction Project. The City of Muscatine continues to utilize Anderson Bogert Engineers & Surveyors, Inc., for design and consultant services at the Muscatine Municipal Airport. Bid opening was conducted and 7 bids were received.

BACKGROUND: The Runway Reconstruction Project continues to move forward with the support of FAA partners and the Muscatine City Council. Anderson Bogert has successfully completed design. Bid opening was conducted on June 25, 2015 and 7 bids were received. The apparent low bidder was Manatts from Brooklyn, Iowa in the amount of \$4,510,247.14.

After reviewing bid proposals with the FAA, the FAA determined funding was not available to fund the expanded project in full. The original project was expanded to include the FAA standard turnaround area along the taxiway on the northeast end of the runway. The turnaround section of the project was in a separate Bid Schedule B. The Schedule B bid from the low bidder was originally \$524,547.30 and the FAA has determined they do not have funding at this time to fund the turnaround section. The turnaround will be removed from the runway reconstruction project and included in FY17 taxiway reconstruction project. With Schedule B removed the total bid amount is \$3,985,699.84.

City Staff recommends City Council award a contract to the low bidder, Manatts, Inc., once a grant agreement from the FAA is approved. The City of Muscatine's use of force account staff time was approved by the FAA in the amount of \$35,725.92. The construction observation and oversight agreement with Anderson Bogert is \$130,538.55. Administrative funds are requested in the amount not to exceed \$10,000.00 and there is a \$1,500.00 cost for the required engineering review. This will bring the total project cost to \$4,163,464.31 for the grant application.

In an effort to reduce project cost, city staff will conduct concrete testing and some construction observation. Anderson Bogert has subcontracted local engineers and construction observers who have worked closely with city staff on previous local construction projects and a different qualified geotechnical firm was subcontracted at a savings of nearly \$21,000. This was done to again help lower project cost. City staff continues to work closely with Anderson Bogert as well as with its state and federal partners.

The FAA grant application total project cost is \$4,163,464.31 with the FAA to fund 90% of this cost or \$3,747,117. The local share of \$416,347.31 will be funded from the 2016 bond issue. \$431,800 was budgeted as the local share for this project. The grant application includes construction material, labor, construction oversight, and project management. The grant application deadline is July 2nd. Based on the continued support of the runway reconstruction project from the City Council, the application has been submitted. Once the grant is awarded by the FAA, City Council will review and approve the final agreement.

RECOMMENDATION/RATIONALE: It is recommended City Council approve the submission of the FAA grant application for the Reconstruction of Runway 6/24 and Associated Taxiways Project.

1. Grant Application

Application for Federal Assistance SF-424

* 1. Type of Submission <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application		* 2. Type of Application <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision		* If Revision, select appropriate letter(s): - Select One - * Other (Specify)
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* 3. Date Received:	4. Application Identifier: MMA-LA-1
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5a. Federal Entity Identifier:	* 5b. Federal Award Identifier: AIP No. 3-19-0063-020
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State Use Only:

6. Date Received by State:	7. State Application Identifier:
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8. APPLICANT INFORMATION:

* a. Legal Name: City of Muscatine, Iowa

* b. Employer/Taxpayer Identification Number (EIN/TIN): 42-6005008	*c. Organizational DUNS: 08-029-2048
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d. Address:

* Street1: City Hall
 Street 2: 215 Sycamore Street
 * City: Muscatine
 County: Muscatine
 * State: Iowa
 Province:
 Country: United States
 *Zip/ Postal Code: 52761

e. Organizational Unit:

Department Name: Community Development	Division Name: Muscatine Municipal Airport
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f. Name and contact information of person to be contacted on matters involving this application:

Prefix: Mr. First Name: Adam
 Middle Name: J.
 * Last Name: Thompson
 Suffix:

Title: Community Development Coordinator

Organizational Affiliation:

* Telephone Number: (563) 262-4141 Fax Number: (563) 264-4142

* Email: athompson@muscatineiowa.gov

Application for Federal Assistance SF-424

*9. Type of Applicant 1: Select Applicant Type:

C. City or Township Government

Type of Applicant 2: Select Applicant Type:

- Select One -

Type of Applicant 3: Select Applicant Type:

- Select One -

* Other (specify):

* 10. Name of Federal Agency:

Federal Aviation Administration (FAA)

11. Catalog of Federal Domestic Assistance Number:

20.106

CFDA Title:

Airport Improvement Program

*12. Funding Opportunity Number:

3-19-0063-020

Title:

Reconstruct Runway 6/24 and Associated Taxiways

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

City of Muscatine and Muscatine County, Iowa

* 15. Descriptive Title of Applicant's Project:

For the last six years, the airport has experienced nine pavement blow-ups on the main runway and its parallel taxiway. In 2013, The City hired a consultant to perform a petrographic analysis, which concluded that ASR was causing expansion in the concrete that slowly caused the control and expansion joints in the pavement to close, making the pavement vulnerable to blow-ups in hot weather. The consultant expects these blow-ups to continue. Therefore, the City decided to pursue an aggressive plan to fully reconstruct Runway 6/24 and its parallel and connecting taxiways. This project includes the reconstruction of Runway 6/24 and associated taxiways.

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424

16. Congressional Districts Of:

*a. Applicant: Second

*b. Program/Project: Second

Attach an additional list of Program/Project Congressional Districts if needed.

17. Proposed Project:

*a. Start Date: 03/01/2016

*b. End Date: 11/30/2016

18. Estimated Funding (\$):

*a. Federal	3,747,117.00
*b. Applicant	416,347.31
*c. State	
*d. Local	
*e. Other	
*f. Program Income	
*g. TOTAL	4,163,464.31

***19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- a. This application was made available to the State under the Executive Order 12372 Process for review on _____
- b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- c. Program is not covered by E.O. 12372

***20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation on next page.)**

- Yes
- No

21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: Mr.

*First Name: DeWayne

Middle Name: M.

*Last Name: Hopkins

Suffix:

*Title: Mayor

*Telephone Number: (563) 264-1550

Fax Number: (563) 264-0750

* Email: mayor@muscatineiowa.gov

*Signature of Authorized Representative:



*Date Signed:

7/2/15

Application for Federal Assistance SF-424

***Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

Application for Federal Assistance (Development Projects)

PART II – PROJECT APPROVAL INFORMATION

SECTION A	
<p>Item 1. Does this assistance request require State, local, regional, or other priority rating?</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Name of Governing Body: City of Muscatine, Iowa</p> <p>Priority: No. 1</p>
<p>Item 2. Does this assistance request require State, or local advisory, educational or health clearances?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Name of Agency or Board: (Attach Documentation)</p>
<p>Item 3. Does this assistance request require clearinghouse review in accordance with OMB Circular A-95?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>(Attach Comments)</p>
<p>Item 4. Does this assistance request require State, local, regional, or other planning approval?</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Name of Approving Agency: City of Muscatine, Iowa</p> <p>Date:</p>
<p>Item 5. Is the proposal project covered by an approved comprehensive plan?</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Check one: State <input type="checkbox"/> Local <input checked="" type="checkbox"/> Regional <input type="checkbox"/></p> <p>Location of Plan: City of Muscatine, Iowa</p>
<p>Item 6. Will the assistance requested serve a Federal installation?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Name of Federal Installation: Federal Population benefiting from Project:</p>
<p>Item 7. Will the assistance requested be on Federal land or installation?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Name of Federal Installation: Location of Federal Land: Percent of Project: %</p>
<p>Item 8. Will the assistance requested have an impact or effect on the environment?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>(See instructions for additional information to be provided.)</p>
<p>Item 9. Will the assistance requested cause the displacement of individuals, families, businesses, or farms?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>Number of: Individuals: Families: Businesses: Farms:</p>
<p>Item 10. Is there other related Federal assistance on this project previous, pending, or anticipated?</p> <p style="text-align: center;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>(See instructions for additional information to be provided.)</p>

PART II – SECTION C

The Sponsor hereby represents and certifies as follows:

1. Compatible Land Use – The Sponsor has taken the following actions to assure compatible usage of land adjacent to or in the vicinity of the airport:

Height Zoning Ordinance (adopted 2-05-76)
Land use planning/zoning (adopted 6-06-2002)
Comprehensive plan in place with airport land use included

2. Defaults – The Sponsor is not in default on any obligation to the United States or any agency of the United States Government relative to the development, operation, or maintenance of any airport, except as stated herewith:

Not applicable.

3. Possible Disabilities – There are no facts or circumstances (including the existence of effective or proposed leases, use agreements or other legal instruments affecting use of the Airport or the existence of pending litigation or other legal proceedings) which in reasonable probability might make it impossible for the Sponsor to carry out and complete the Project or carry out the provisions of the Grant Assurances, either by limiting its legal or financial ability or otherwise, except as follows:

Not applicable.

4. Consistency with Local Plans – The project is reasonably consistent with plans (existing at the time of submission of this application) of public agencies that are authorized by the State in which the project is located to plan for the development of the area surrounding the airport.

Yes.

5. Consideration of Local Interest – It has given fair consideration to the interest of communities in or near where the project may be located.

Yes.

6. Consultation with Users – In making a decision to undertake any airport development project under Title 49, United States Code, it has undertaken reasonable consultations with affected parties using the airport which project is proposed.

Yes.

7. Public Hearings – In projects involving the location of an airport, an airport runway or a major runway extension, it has afforded the opportunity for public hearings for the purpose of considering the economic, social, and environmental effects of the airport or runway location and its consistency with goals and objectives of such planning as has been carried out by the community and it shall, when requested by the Secretary, submit a copy of the transcript of such hearings to the Secretary. Further, for such projects, it has on its management board either voting representation from the communities where the project is located or has advised the communities that they have the right to petition the Secretary concerning a proposed project.

Not applicable.

8. Air and Water Quality Standards – In projects involving airport location, a major runway extension, or runway location it will provide for the Governor of the state in which the project is located to certify in writing to the Secretary that the project will be located, designed, constructed, and operated so as to comply with applicable and air and water quality standards. In any case where such standards have not been approved and where applicable air and water quality standards have been promulgated by the Administrator of the Environmental Protection Agency, certification shall be obtained from such Administrator. Notice of certification or refusal to certify shall be provided within sixty days after the project application has been received by the Secretary.

Not applicable.

PART II – SECTION C (Continued)

9. Exclusive Rights – There is no grant of an exclusive right for the conduct of any aeronautical activity at any airport owned or controlled by the Sponsor except as follows:

No exclusive rights granted.

10. Land – (a) The sponsor holds the following property interest in the following areas of land* which are to be developed or used as part of or in connection with the Airport subject to the following exceptions, encumbrances, and adverse interests, all of which areas are identified on the aforementioned property map designated as Exhibit "A":

Tracts 1, 2, 3, & 4 (all fee simple interest) are associated with this project & are identified on the 7/19/2006 Exhibit A Property Map.**

The Sponsor further certifies that the above is based on a title examination by a qualified attorney or title company and that such attorney or title company has determined that the Sponsor holds the above property interests.

(b) The Sponsor will acquire within a reasonable time, but in any event prior to the start of any construction work under the Project, the following property interest in the following areas of land* on which such construction work is to be performed, all of which areas are identified on the aforementioned property map designated as Exhibit "A":

Not applicable.

(c) The Sponsor will acquire within a reasonable time, and if feasible prior to the completion of all construction work under the Project, the following property interest in the following areas of land* which are to be developed or used as part of or in connection with the Airport as it will be upon completion of the Project, all of which areas are identified on the aforementioned property map designated as Exhibit "A"

Not applicable.

*State the character of property interest in each area and list and identify for each all exceptions, encumbrances, and adverse interests of every kind and nature, including liens, easements, leases, etc. The separate areas of land need only be identified here by the area numbers shown on the property map.

**which is incorporated herein by reference

PART III – BUDGET INFORMATION – CONSTRUCTION

SECTION A – GENERAL			
1. Federal Domestic Assistance Catalog Number: <u>20-106</u>			
2. Functional or Other Breakout: <u>AIP</u>			
SECTION B – CALCULATION OF FEDERAL GRANT			
Cost Classification	Use only for revisions		Total Amount Required
	Latest Approved Amount	Adjustment + or (-)	
1. Administration expense	\$	\$	\$ 10,000.00
2. Preliminary expense			
3. Land, structures, right-of-way			
4. Architectural engineering basic fees			
5. Other Architectural engineering fees			1,500.00
6. Project inspection fees			166,264.47
7. Land development			
8. Relocation Expenses			
9. Relocation payments to Individuals and Businesses			
10. Demolition and removal			
11. Construction and project improvement			3,985,699.84
12. Equipment			
13. Miscellaneous			
14. Total (Lines 1 through 13)			4,163,464.31
15. Estimated Income (if applicable)			
16. Net Project Amount (Line 14 minus 15)			4,163,464.31
17. Less: Ineligible Exclusions			
18. Add: Contingencies			
19. Total Project Amt. (Excluding Rehabilitation Grants)			4,163,464.31
20. Federal Share requested of Line 19			3,747,117.00
21. Add Rehabilitation Grants Requested (100 Percent)			
22. Total Federal grant requested (lines 20 & 21)			3,747,117.00
23. Grantee share			416,347.31
24. Other shares			
25. Total Project (Lines 22, 23 & 24)	\$	\$	\$ 4,163,464.31

SECTION C – EXCLUSIONS

Classification	Ineligible for Participation (1)	Excluded From Contingency Provision (2)
a.	\$	\$
b.		
c.		
d.		
e.		
f.		
g. Totals	\$	\$

SECTION D – PROPOSED METHOD OF FINANCING NON-FEDERAL SHARE

27. Grantee Share		
a. Securities		\$
b. Mortgages		
c. Appropriations (By Applicant)		
d. Bonds		416,347.31
e. Tax Levies		
f. Non Cash		
g. Other (Explain)		
h. TOTAL - Grantee share		416,347.31
28. Other Shares		
a. State		
b. Other		
c. Total Other Shares		
29. TOTAL		\$ 416,347.31

SECTION E – REMARKS

Empty box for remarks.

PART IV – PROGRAM NARRATIVE (Attach – See Instructions)

**PART IV
PROGRAM NARRATIVE**
(Suggested Format)

PROJECT : 3-19-0063-020
AIRPORT : Muscatine Municipal Airport, Muscatine, Iowa
1. Objective: Reconstruct Runway 6/24 and Associated Taxiways
2. Benefits Anticipated: Eliminate expensive emergency patching for pavement blow-ups. Substantially decrease runway closures for emergency repairs. Improve airport safety by decreasing foreign object debris (F.O.D.) from existing crumbling pavement.
3. Approach: (See approved Scope of Work in Final Application) Remove existing failing pavement/replace with new PCC pavement. Existing pavement will be removed, crushed, and reused as rock base for the new pavement.
4. Geographic Location: Runway 6/24 and associated taxiways, Muscatine Municipal Airport, Muscatine, Iowa
5. If Applicable, Provide Additional Information: For the last six years, the airport has experienced nine pavement blow-ups on the main runway and its parallel taxiway; these blow-ups have required emergency patching. These pavements are approximately twenty years old and were designed with a twenty year design life. According to the November 2014 Iowa DOT Pavement Management Report, the PCI of 85% of Runway 6/24 was listed as 65. In 2013, The City hired a consultant to perform a petrographic analysis, which concluded that ASR was causing expansion in the concrete that slowly caused the control and expansion joints in the pavement to close, making the pavement vulnerable to blow-ups in hot weather. The consultant expects these blow-ups to continue.
6. Sponsor's Representative: (include address & telephone number) Adam J. Thompson City of Muscatine City Hall 215 Sycamore Street Muscatine, Iowa 52761 Phone: (563) 262-4141