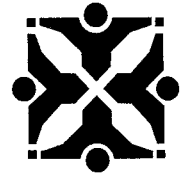


City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: R 54-15

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: 4/6/2015

Re: Public Hearing – Reconstruction of Runway 13-31 (Phase I), and Taxiway B at the Intersection with Runway 20, at the Columbia Regional Airport

Documents Included With This Agenda Item

Council memo, Resolution/Ordinance

Supporting documentation includes: ACIP Data Sheet and Maps, Pavement Condition Index

Executive Summary

Setting a public hearing for May 4, 2015 for the reconstruction of Runway 13-31 (Phase I), and Taxiway B at the intersection with Runway 20, which includes installation of edge lighting and guidance signs. In addition, an aeronautical obstruction survey was performed on the proposed Runway 13-31 new alignment.

Discussion

Columbia Regional Airport's paved airfield surfaces total nearly 1.3 million square feet with pavements ranging from excellent to poor condition. The runway and taxiway pavements are nearly 50 years old, dating back to initial airport development in the late 1960's. A Pavement Condition Index inspection was performed in 2008 to identify which pavements needed to be rehabilitated. Runway 13-31, which serves as the cross-wind for the airport, was identified and recommended for replacement. This project will replace the current low weight bearing asphalt runway with a high weight bearing concrete runway that will be capable of landing regional jets. This project will include replacing the current asphalt taxiway in the intersection with concrete, new lighting system, new directional signage and new pavement centerline and runway markings. Staff expects to receive a grant offer from the Federal Aviation Administration (FAA) in May 2015 to fund 90% of the total estimated project cost of \$3,502,000.

The City of Columbia entered into an agreement with Burns and McDonnell Engineering Company, Inc., in December of 2013, for the design of the reconstruction project, and to prepare bid documents.

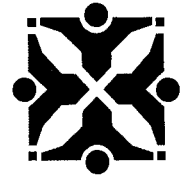
Fiscal Impact

Short-Term Impact: The engineer's estimate for the construction project is \$3,502,000 with FAA's share of \$3,151,800, and City local match of share \$350,200

Long-Term Impact: Approx. \$2,000 per year for lighting and markings.

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Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Economic Development, Transportation

Strategic Plan Impact: Customer Focused Government, Growth Management

Comprehensive Plan Impact: Mobility, Connectivity, and Accessibility

Suggested Council Action

Following Council discussion and public input, Council should make a motion directing staff to proceed with plans and specification for the reconstruction of Runway 13-31 (Phase I), and Taxiway B at the intersection with Runway 20 project.

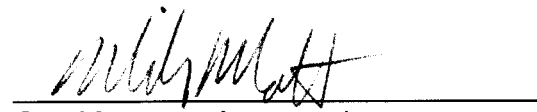
Legislative History

08/4/14 (Ord 22157) Appropriating FAA grant funds for costs relating to the design of the reconstruction and realignment of Runway 13/31 and Taxiway B

01/21/14 (R13-14) Authorizing amendment #1 to the agreement with Burns & McDonnell to include specific federal provisions as required by the FAA.

12/16/13 (R265-13) Authorizing an agreement with Burns & McDonnell for design of the reconstruction of Runway 13-31 and Taxiway B.


Department Approved


City Manager Approved

A RESOLUTION

declaring the necessity for the reconstruction of Runway 13-31 (Phase I) and Taxiway B at the Columbia Regional Airport; stating the nature of and the estimate of the cost of the improvement; providing for payment for the improvement; providing for compliance with the prevailing wage law; and setting a public hearing.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The Council deems the reconstruction of Runway 13-31 (Phase I) and Taxiway B, at the intersection of Runway 20, by replacing the asphalt taxiway with concrete, the installation of a new lighting system, directional signage and pavement centerline and runway markings at the Columbia Regional Airport, all in accordance with City of Columbia Street and Storm Sewer Specifications and Standards, necessary to the welfare and improvements of the City.

SECTION 2. The nature and scope of the improvement shall consist of furnishing all labor, materials, transportation, insurance and all other items, accessories and incidentals thereto necessary for the complete construction of the improvements.

SECTION 3. The estimated cost for this improvement is \$3,502,000.00.

SECTION 4. Payment for this improvement shall be made from Federal Aviation Administration Grant funds, transportation sales tax funds and such other funds as may be lawfully appropriated. Subject to the availability of grant funds, the Federal Aviation Administration (FAA) shall reimburse the City 90%, or \$3,151,800.00, of the project costs, and the City's local match is \$350,200.00.

SECTION 5. The contract for the improvement shall provide that not less than the prevailing hourly rate of wages, as found by the Department of Labor and Industrial Relations of Missouri, shall be paid to all workers performing work under the contract. The contractor's bond shall guarantee the faithful performance of the prevailing hourly wage clause in the contract. The City shall also cause to be inserted into the contract a stipulation that all laborers and mechanics employed by the contractor or subcontractors in the performance of work under the contract shall be paid wages at rates not less than those prevailing on similar construction in the locality as determined by the Secretary of Labor in accordance with the Davis-Bacon Act.

SECTION 6. A public hearing in respect to this improvement will be held in the Council Chamber of the City Hall Building, 701 E. Broadway, Columbia, Missouri, at 7:00 p.m. on May 4, 2015. The City Clerk shall cause notice of this hearing to be published in a newspaper published in the City.

ADOPTED this _____ day of _____, 2015.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor



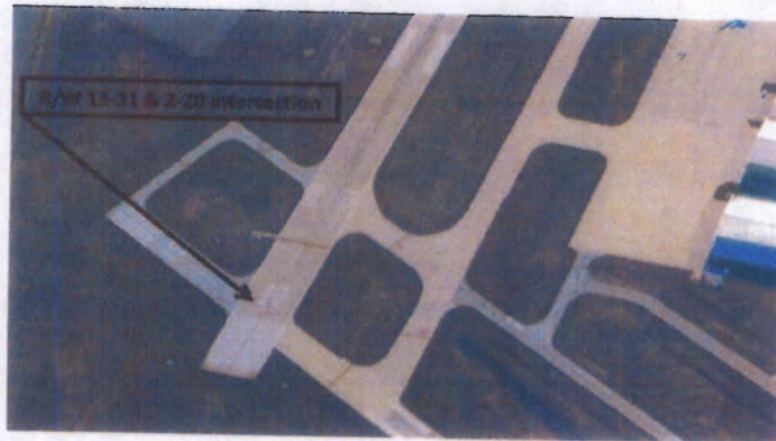
SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

ACIP Data Sheet and Maps, Pavement Condition Index

ACIP DATA SHEET

AIRPORT	Columbia Regional Airport	LOCID	COU	LOCAL PRIORITY	1
PROJECT DESCRIPTION	R/W 13-31 & 2-20 Intersection: Construction			Identify FFY that you desire to construct (FFY: Oct 1 – Sept 30)	2015

SKETCH:



JUSTIFICATION:

Current Project: Provided as reference for budgeting. Project limits are approximately the boundaries of Runway 2-20 OFA.

COST ESTIMATE: (Attach detailed cost estimate)					
Federal (90%)	\$ 3,151,800.	State ()%	\$ 0.00	Local (10%)	\$ 350,200. Total \$ 3,502,000.

SPONSOR'S VERIFICATION:	Date	(See instruction sheet)
For each and every project as applicable	10-2009	Date of approved ALP with project shown.
	7-2013	Date of environmental determination (ROD, FONSI, CE) or cite CE paragraph # (307-312) in Order 1050.1E
FAA USE ONLY		Date of land acquisition or signed purchase agreement
		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, hangars, etc.)
		Date statement submitted for completed airside development
FAA Verification (initial/date)		Date statement submitted for runway approaches are clear of obstructions

SPONSOR' SIGNATURE:	<i>John D. Glascock</i>	Date:	2/20/15
PRINTED NAME:	John D. Glascock, P.E.	Title:	Director of Public Works
PHONE NUMBER:	573-874-7250		

FAA USE ONLY

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

ENGINEERS ESTIMATED COST OF CONSTRUCTION
COLUMBIA REGIONAL AIRPORT
COLUMBIA, MISSOURI
RUNWAY 2-20 & 13-31 INTERSECTION (CONSTRUCTION)

PROJECT NO.: AIP 3-29-0022-JX
Burns & McDonnell No. xxx
February 10, 2015

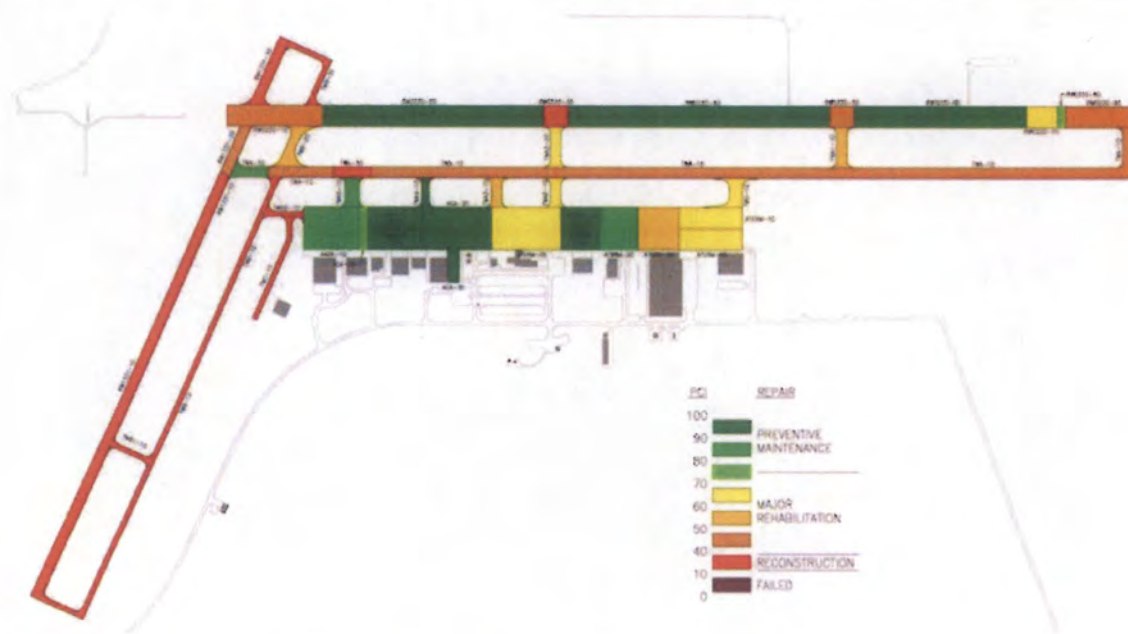
ITEM NO.	FAA ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	TOTAL PROJECT COST		AIP ELIGIBLE COST	TOTAL SPONSOR COST
					UNIT COST	TOTAL		
1					\$0.00	\$0.00	\$0.00	\$0.00
2		RUNWAY 2-20 & 13-31 INTERSECTION	LS	1.00	\$3,502,000.00	\$3,502,000.00	\$3,151,800.00	\$350,200.00
		TOTAL COST						
		Anticipated Completion Date	2015			\$3,502,000.00	\$3,151,800.00	\$350,200.00

1.3.2 Pavement Condition Index (PCI)

Airport paved surfaces at Columbia Regional Airport totals over 3.1 million square feet (71.8 acres) and range from good to poor condition.

Exhibit 1-4 maps the Pavement Condition Index (PCI) for the runways, taxiways, and apron from a July 2008 Pavement Condition Index (PCI) inspection. A PCI is a visual analysis of the primary distress manifestations exhibited on the surface of a pavement. This study provides data regarding each major section of airfield pavement as well as a five year projection of the PCI values. PCI values range from 0, representing pavement that has failed and is no longer usable, to 100, which represent new pavement in pristine condition. The PCI values are then broken down into categories indicating what type of repair work needs to occur and includes reconstruction (0 to 40), major rehabilitation (40 to 75), or preventative maintenance (75 to 100).

Exhibit 1-4
COLUMBIA EXISTING PAVEMENT PCI (2008 INSPECTION)



Source: 2008 Pavement Condition Index (PCI) Study