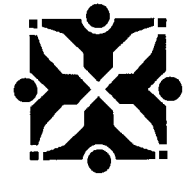


# City of Columbia

701 East Broadway, Columbia, Missouri 65201



**Agenda Item Number:** R 75-15

**Department Source:** Public Works

**To:** City Council

**From:** City Manager & Staff

**Council Meeting Date:** 5/4/2015

**Re:** Setting a Public Hearing for the Relocation of Rangeline Road for Runway 13/31 Improvements and Runway Safety Area at the Columbia Regional Airport

## Documents Included With This Agenda Item

Council memo, Resolution/Ordinance

**Supporting documentation includes:** ACIP Data Sheet, Engineers Estimated Cost of Construction

## Executive Summary

Setting a public hearing for June 1, 2015 for the relocation of Rangeline Road for Runway 13/31 improvements and Runway Safety Area. The project is estimated to cost \$1,585,475 with 90% reimbursement from the Federal Aviation Administration (FAA). The City will be responsible for a 10% local match.

## Discussion

Runway 13/31 improvements will be necessary to accommodate increased load factors of existing narrow body transports and large cabin business jets during a future closure of Runway 2/20 for rehabilitation, reconstruction and extension. The lengthening of Runway 13/31, and associated parallel Taxiway B, to 5,500 feet would relocate the Runway Safety Area beyond the existing alignment of South Rangeline Road. Therefore, South Rangeline Road will need to be realigned so it will not encroach upon the proposed Runway 13/31 Runway Safety Area. This project will not require any land acquisition. Staff expects to receive a grant offer from the FAA in May of 2015 to fund 90% of the total estimated project cost of \$1,585,475.

The City of Columbia entered into an agreement with Burns and McDonnell Engineering Company in October of 2014, for the design of the relocation of Rangeline Road project, and to prepare bid documents.

## Fiscal Impact

**Short-Term Impact:** The engineer's estimate for the construction project is \$1,585,475. FAA will reimburse the City 90%, or \$1,426,927. The City's local match is \$158,547, and will be paid from Transportation Sales Tax funds.

**Long-Term Impact:** None

# City of Columbia

701 East Broadway, Columbia, Missouri 65201



## 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

Adopt the resolution setting a public hearing for June 1, 2015.

## Legislative History

**10/20/14** (R199-14) Authorizing a professional engineering services agreement with Burns & McDonnell Engineering, Inc. for design services for relocation and reconstruction of a portion of Rangeline Road adjacent to the Columbia Regional Airport.

**9/02/14** (Ord 22119) Appropriating FAA grant funds relating to design and relocation of Rangeline Road as part of the reconstruction and realignment of Runway 13/31 and Taxiway B project.

  
\_\_\_\_\_  
Department Approved

  
\_\_\_\_\_  
City Manager Approved

## **A RESOLUTION**

declaring the necessity for realignment and reconstruction of a portion of Rangeline Road as it relates to Runway 13/31 improvements and relocation of the Runway Safety Area 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 COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The City Council deems the realignment and reconstruction of a portion of Rangeline Road as it relates to Runway 13/31 improvements and relocation of the Runway Safety Area at the Columbia Regional Airport, all in accordance with City of Columbia Street and Storm Sewer Specifications and Standards, necessary to the welfare and improvement 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 of this improvement is \$1,585,475.00.

SECTION 4. Payment for this improvement shall be made 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 \$1,426,927.00, of the project costs, and the City's local match is \$158,547.00.

SECTION 5. Any work done in connection with the construction of the improvement specified above shall be in compliance with the provisions of the prevailing wage laws of the State of Missouri. 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 June 1, 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.

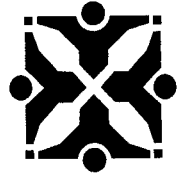
ATTEST:

\_\_\_\_\_  
City Clerk

\_\_\_\_\_  
Mayor and Presiding Officer

APPROVED AS TO FORM:

\_\_\_\_\_  
City Counselor



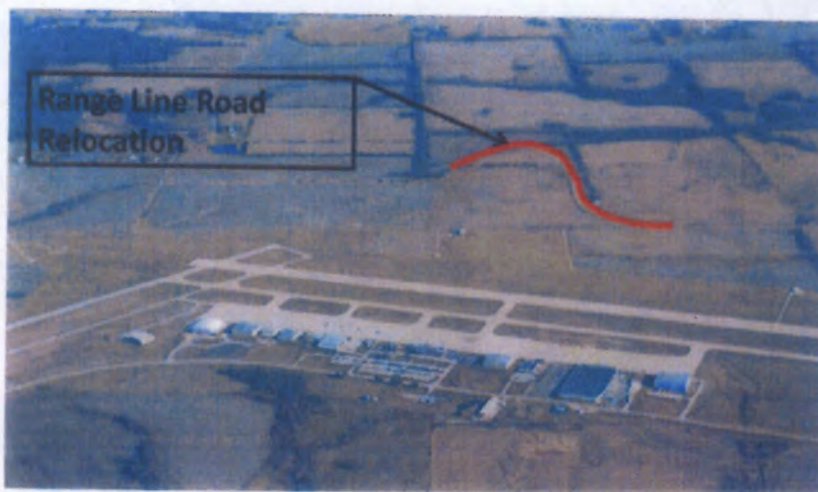
## SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

ACIP Data Sheet, Engineers Estimated Cost of Construction

## ACIP DATA SHEET

<b>AIRPORT</b>	Columbia Regional Airport	<b>LOCID</b>	<b>COU</b>	<b>LOCAL PRIORITY</b>	2
<b>PROJECT DESCRIPTION</b>	Range Line Road: Construction			Identify FFY that you desire to construct (FFY: Oct 1 – Sept 30)	2015

**SKETCH:**



**JUSTIFICATION:**

In accordance with the 2009 airport master plan and pending 2012/13 environmental assessment it will be necessary to acquire property in the vicinity north of the airport to accommodate the extension of Runway 2-20 and Runway 13-31. As part of this effort, it will also be necessary to relocate Missouri State Route H and Range Line Road. These actions will be in compliance with the FAA Advisory Circulars to permit these airport improvements.

This project includes the construction for Range Line Road.

**COST ESTIMATE:** (Attach detailed cost estimate)

Federal (90%)	\$ 1,693,863.	State ( )%	\$ 0.00	Local (10%)	\$ 188,208.	Total	\$ 1,882,071.
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<b>SPONSOR'S VERIFICATION:</b>	<b>Date</b>	(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
<b>FAA USE ONLY</b> FAA Verification: (initial/date)		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
		Date statement submitted for runway approaches are clear of obstructions

**SPONSOR'S SIGNATURE:**

*John D. Glascock*

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 \$

<b>ENGINEERS ESTIMATED COST OF CONSTRUCTION</b> <b>COLUMBIA REGIONAL AIRPORT</b> <b>COLUMBIA, MISSOURI</b> <b>RANGE LINE ROAD RELOCATION: Construction &amp; Construction Services</b>  <b>PROJECT NO.: AIP 3-29-0022-XX</b> <b>Burns &amp; McDonnell No. xxx</b> <b>February 10, 2015</b>								
ITEM NO.	FAA ITEM NO.	DESCRIPTION OF WORK	UNITS	ESTIMATED QUANTITY	TOTAL PROJECT COST		AIP ELIGIBLE COST	TOTAL SPONSOR COST
					UNIT COST	TOTAL	TOTAL	
1		MOBILIZATION	LS	1.00	\$151,413.60	\$151,413.60	\$136,272.24	\$15,141.36
2		TRAFFIC CONTROL (TEMPORARY SIGNAGE, MARKING, BARRICADES)	LS	1.00	\$41,600.00	\$41,600.00	\$37,440.00	\$4,160.00
3		DEMOLITION	SY	5,400.00	\$6.24	\$33,696.00	\$30,326.40	\$3,369.60
4		UTILITY RELOCATION: (ELECTRIC/TELEPHONE)	LS	1.00	\$156,000.00	\$156,000.00	\$140,400.00	\$15,600.00
5		UTILITY RELOCATION: (WATER)	LS	1.00	\$182,000.00	\$182,000.00	\$163,800.00	\$18,200.00
6		EARTHWORK	CY	35,000.00	\$10.40	\$364,000.00	\$327,600.00	\$36,400.00
7		ASPHALT (ASSUME 6-INCHES)	TON	2,600.00	\$98.80	\$256,880.00	\$231,192.00	\$25,688.00
8		AGGREGATE BASE (ASSUME 12-INCHES)	SY	8,200.00	\$27.88	\$187,616.00	\$168,854.40	\$18,761.60
9		FLY ASH STABILIZATION (ASSUME 12-INCHES)	SY	8,200.00	\$6.76	\$55,432.00	\$49,888.80	\$5,543.20
10		FLY ASH	TON	700.00	\$78.00	\$54,600.00	\$49,140.00	\$5,460.00
11		PAVEMENT MARKINGS	SF	5,200.00	\$1.82	\$9,464.00	\$8,517.60	\$946.40
12		SEEDING	AC	40.00	\$1,248.00	\$49,920.00	\$44,928.00	\$4,992.00
13		MULCHING	AC	40.00	\$1,040.00	\$41,600.00	\$37,440.00	\$4,160.00
14		SIGNAGE	LS	1.00	\$10,400.00	\$10,400.00	\$9,360.00	\$1,040.00
15		STORM SEWERS (ASSUME 24-INCH RCP)	LS	200.00	\$67.60	\$13,520.00	\$12,168.00	\$1,352.00
16		STORM SEWERS (END SECTIONS - INCLUDES RIP-RAP)	EA	4.00	\$676.00	\$2,704.00	\$2,433.60	\$270.40
17		REMOVE AND RELOCATE AIRPORT FENCING (Removed & Placed in R/W 13-31 E-side package)	LF		\$46.80			
18		PRIME COAT	GAL	4,200.00	\$2.86	\$12,012.00	\$10,810.80	\$1,201.20
19		TACK COAT	GAL	2,200.00	\$2.86	\$6,292.00	\$5,662.80	\$629.20
20		EROSION CONTROL	LF	1.00	\$36,400.00	\$36,400.00	\$32,760.00	\$3,640.00
		<b>TOTAL ESTIMATED CONSTRUCTION COST OF BASE BID</b>				<b>\$1,965,549.60</b>	<b>\$1,498,994.64</b>	<b>\$166,554.96</b>
		<b>ESTIMATED CONSTRUCTION SERVICES &amp; ADMINISTRATION COST</b>				<b>\$216,521.45</b>	<b>\$194,869.30</b>	<b>\$21,652.14</b>
		<b>TOTAL COST</b>				<b>\$1,882,071.05</b>	<b>\$1,693,863.94</b>	<b>\$188,207.10</b>
		Anticipated Completion Date		2015				