



# Federal Emergency Management Agency

Washington, D.C. 20472

**MAY 04 2006**

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

The Honorable Betty Burch  
Mayor, City of Riverside  
2950 Northwest Vivion Road  
Riverside, MO 64150

IN REPLY REFER TO:

Case No.: 04-07-A556P  
Community Name: City of Riverside, MO  
Community No.: 290296  
Effective Date of This Revision: **AUG 31 2006**

Dear Mayor Burch:

The Flood Insurance Study report and Flood Insurance Rate Map for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Federal Insurance and Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Kansas City, Missouri, at (816) 283-7002, or the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Sincerely,

Kevin C. Long, CFM, Project Engineer  
Engineering Management Section  
Mitigation Division

For: William R. Blanton Jr., CFM, Acting Chief  
Engineering Management Section  
Mitigation Division

List of Enclosures:

Letter of Map Revision Determination Document  
Annotated Flood Insurance Rate Map  
Annotated Flood Insurance Study Report

cc: (See attached list.)

Courtesy Copies List – City of Riverside

The Honorable Kay Barnes  
Mayor, City of Kansas City, Missouri

The Honorable Harlan Shaver, Jr.  
Mayor, City of Northmoor

The Honorable Charles E. Kutz  
Mayor, City of Parkville

The Honorable Joe Reardon  
Mayor, Unified Government of Wyandotte  
County / Kansas City, Kansas

Mr. Brent Miles  
Director  
Planning & Economic Development  
City of Riverside

Mr. Donald N. Booth, P.E., CBO  
Building Official  
City of Kansas City, Missouri

Ms. Beverly Baker  
City Clerk  
City of Northmoor

Mr. Sean Ackerson  
Director  
Community Development Department  
City of Parkville

Mr. Steve Speise  
Manager  
Urban Planning & Land Use  
Unified Government of Wyandotte County / Kansas City, Kansas

Ms. Lori Miller, CFM  
Hydrologist  
Flood Plain Management Services  
Hydrology and Hydraulics Section  
U.S. Army Corps of Engineers,  
Kansas City District



**Federal Emergency Management Agency**  
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**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT**

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Riverside Platte County Missouri	CHANNELIZATION CHANNEL RELOCATION LEVEE	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS LEVEE CERTIFICATION NEW TOPOGRAPHIC DATA FLOODWAY
	COMMUNITY NO.: 290296		
IDENTIFIER	Missouri River Levee System – Unit L-385	APPROXIMATE LATITUDE & LONGITUDE: 39.154, -94.642 SOURCE: USGS QUADRANGLE DATUM: NAD 83	

FLOODING SOURCE(S) & REVISED REACH(ES)	Burlington Creek – from the confluence with the Missouri River to approximately 370 feet upstream of Paradise Valley Road
	Line Creek – from the confluence with the Missouri River to approximately 5,180 feet upstream of U.S. Highway 69

SUMMARY OF REVISIONS						
Burlington Creek			Line Creek			
Effective Flooding:	Zone AE	BFEs*	Floodway	Zone AE	BFEs*	Floodway
Revised Flooding:	Zone AE	BFEs	Floodway	Zone AE	BFEs	Floodway
Increases:	NONE	NONE	NONE	NONE	NONE	NONE
Decreases:	YES	YES	NONE	YES	YES	YES

ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES
TYPE: FIRM* NO.: 290296 0001 B Date: June 4, 1987	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: June 4, 1987 FLOODWAY DATA TABLE: 1 PROFILES: 01P, 03P through 05P

\* FIRM – Flood Insurance Rate Map; \*\* FBFM – Flood Boundary and Floodway Map; \*\*\* FHBM – Flood Hazard Boundary Map

**DETERMINATION**

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

*Kevin C. Long*  
Kevin C. Long, CFM, Project Engineer  
Engineering Management Section  
Mitigation Division



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	COMMUNITY NO.: 290296		
IDENTIFIER	Missouri River Levee System – Unit L-385	APPROXIMATE LATITUDE & LONGITUDE: 39.154, -94.642 SOURCE: USGS QUADRANGLE    DATUM: NAD 83	

FLOODING SOURCE(S) & REVISED REACH(ES)	Missouri River – from approximately River Mile 371.3 to approximately River Mile 376.1
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**SUMMARY OF REVISIONS**

Effective Flooding:	Zone AE	BFEs*	Floodway
Revised Flooding:	Zone AE	BFEs	Floodway
Increases:	NONE	NONE	NONE
Decreases:	YES	YES	YES

\* BFEs – Base Flood Elevations

ANNOTATED MAPPING ENCLOSURES	ANNOTATED STUDY ENCLOSURES
TYPE: FIRM*    NO.: 290296 0001 B    Date: June 4, 1987	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: June 4, 1987 FLOODWAY DATA TABLE: 1 PROFILES: 01P, 03P through 05P

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**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**OTHER COMMUNITIES AFFECTED BY THIS REVISION**

**CID Number: 200363    Name: City of Kansas City, Kansas**

AFFECTED MAP PANELS			AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM	NO.: 200363 0025 B	Date: August 3, 1981	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 21, 1998 FLOODWAY DATA TABLE: 2 PROFILES: 01P and 02P
TYPE: FIRM	NO.: 200363 0035 A	Date: August 3, 1981	
TYPE: FBFM	NO.: 200363 0025	Date: August 3, 1981	

**CID Number: 290173    Name: City of Kansas City, Missouri**

AFFECTED MAP PANELS			AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM	NO.: 290173 0055 B	Date: August 5, 1986	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: September 14, 1990 FLOODWAY DATA TABLE: 2 PROFILES: 04P and 25P
TYPE: FIRM	NO.: 290173 0060 B	Date: August 5, 1986	
TYPE: FIRM	NO.: 290173 0075 B	Date: August 5, 1986	
TYPE: FBFM	NO.: 290173 0075	Date: August 5, 1986	

**CID Number: 290293    Name: City of Northmoor, Missouri**

AFFECTED MAP PANELS			AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM	NO.: 290293 0001 C	Date: January 16, 2004	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: January 16, 2004 FLOODWAY DATA TABLE: 3 PROFILE: 02P

**CID Number: 290294    Name: City of Parkville, Missouri**

AFFECTED MAP PANELS			AFFECTED PORTIONS OF THE FLOOD INSURANCE STUDY REPORT
TYPE: FIRM	NO.: 290294 0001 B	Date: May 15, 1978	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: May 15, 1978 FLOODWAY DATA TABLE: 2 PROFILE: 01P

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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## LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

### COMMUNITY INFORMATION

#### APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the modified channel rests with your community. We may request that your community submit a description and schedule of channel maintenance activities.

#### COMMUNITY REMINDERS

For the Missouri River and Burlington Creek, we based this determination on the 1-percent-annual-chance flood discharges computed in the FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards in this area.

For Line Creek, we based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic analysis. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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### LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

#### COMMUNITY INFORMATION (CONTINUED)

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Robert G. Bissell  
Director, Federal Insurance and Mitigation Division  
Federal Emergency Management Agency, Region VII  
9221 Ward Parkway, Suite 300  
Kansas City, MO 64114  
(816) 283-7002

#### STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

Please note that as part of this revision, the format of one of the map panels has changed. Previously, flood hazard information was shown on both FIRM Panel 290296 0001 B and Flood Boundary and Floodway Map (FBFM) Panel 290296 0001. In the new format, all BFEs, cross sections, zone designations, and floodplain and floodway boundary delineations are shown on FIRM Panel 0001 B, and FBFM Panel 0001 has been eliminated. Some flood insurance zone designations were changed to reflect the new format. Areas previously shown on the FIRM as Zones A1-A30 are now designated Zone AE; those shown as Zone B are now designated Zone X (shaded); and those shown as Zone C are now designated Zone X (unshaded). In addition, all zone designations and reach determinations were removed from the profile panels in the FIS report.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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**LETTER OF MAP REVISION  
DETERMINATION DOCUMENT (CONTINUED)**

**PUBLIC NOTIFICATION OF REVISION**

Within 90 days of the second publication in the local newspaper, a citizen may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised BFEs presented in this LOMR may be changed.

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below.

LOCAL NEWSPAPER Name: *The Landmark*  
Dates: 05/25/2006 06/01/2006

**PUBLIC NOTIFICATION**

FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BFE (FEET NGVD)		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Burlington Creek	At confluence with Missouri River	762	760	0001 B
	Approximately 100 feet downstream of State Highway 9	762	760	
Line Creek	At confluence with Missouri River	757	756	
	Approximately 7,200 feet upstream of U.S. Highway 69	769	768	
Missouri River	Approximately at River Mile 372.3	757	756	
	Approximately at River Mile 376.1	762	760	

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

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